Supplementary table 1: List of targets included in the "KRAS effectors" shRNA library.

Mouse.symbol	Human.Symbol	Library.name	Subset
Akt1	AKT1	KRAS effectors	Known RAS pathway gene
Mapk1	MAPK1	KRAS effectors	Known RAS pathway gene
Ralgds	RALGDS	KRAS effectors	Known RAS pathway gene
Rasa1	RASA1	KRAS effectors	Known RAS pathway gene
Sqstm1	SQSTM1	KRAS effectors	Known RAS pathway gene
Nup205	NUP205	KRAS effectors	Negative control
Trp53	TP53	KRAS effectors	Negative control
Dusp13	DUSP13	KRAS effectors	Negative control
Higd2a	HIGD2B	KRAS effectors	Negative control
Mab21l2	MAB21L2	KRAS effectors	Negative control
Oas2	OAS2	KRAS effectors	Negative control
Pdcd2	PDCD2	KRAS effectors	Negative control
Slc20a2	SLC20A2	KRAS effectors	Negative control
Slc25a34	SLC25A34	KRAS effectors	Negative control
Zbtb8b	ZBTB8B	KRAS effectors	Negative control
Tbk1	TBK1	KRAS effectors	Positive control
Chuk	CHUK	KRAS effectors	Candidate KRAS interactors
Dvl2	DVL2	KRAS effectors	Candidate KRAS interactors
Faf2	FAF2	KRAS effectors	Candidate KRAS interactors
Ikbkb	IKBKB	KRAS effectors	Candidate KRAS interactors
Map3k3	MAP3K3	KRAS effectors	Candidate KRAS interactors
Myo9a	MYO9A	KRAS effectors	Candidate KRAS interactors
Nfatc2ip	NFATC2IP	KRAS effectors	Candidate KRAS interactors
Nsfl1c	NSFL1C	KRAS effectors	Candidate KRAS interactors
Ptk2	PTK2	KRAS effectors	Candidate KRAS interactors
Rad23a	RAD23A	KRAS effectors	Candidate KRAS interactors
Radil	RADIL	KRAS effectors	Candidate KRAS interactors
Rapgef4	RAPGEF4	KRAS effectors	Candidate KRAS interactors
Rassf8	RASSF8	KRAS effectors	Candidate KRAS interactors
Rgl3	RGL3	KRAS effectors	Candidate KRAS interactors
Rgs12	RGS12	KRAS effectors	Candidate KRAS interactors
Tbcb	TBCB	KRAS effectors	Candidate KRAS interactors
Tbce	TBCE	KRAS effectors	Candidate KRAS interactors
Tbcel	TBCEL	KRAS effectors	Candidate KRAS interactors
Tln1	TLN1	KRAS effectors	Candidate KRAS interactors
Ubl4b	UBL4B	KRAS effectors	Candidate KRAS interactors
Ubqln2	UBQLN2	KRAS effectors	Candidate KRAS interactors
Uhrf1	UHRF1	KRAS effectors	Candidate KRAS interactors
Uhrf2	UHRF2	KRAS effectors	Candidate KRAS interactors
Abl1	ABL1	KRAS effectors	OncoSig predictions
Appl1	APPL1	KRAS effectors	OncoSig predictions
Arhgap26	ARHGAP26	KRAS effectors	OncoSig predictions
Arhgdia	ARHGDIA	KRAS effectors	OncoSig predictions
Arhgef1	ARHGEF1	KRAS effectors	OncoSig predictions
Ipo7	IPO7	KRAS effectors	OncoSig predictions

Map3k6	MAP3K6	KRAS effectors	OncoSig predictions
Mink1	MINK1	KRAS effectors	OncoSig predictions
Rab1	RAB1	KRAS effectors	OncoSig predictions
Rab13	RAB13	KRAS effectors	OncoSig predictions
Rab14	RAB14	KRAS effectors	OncoSig predictions
Rab25	RAB25	KRAS effectors	OncoSig predictions
Rab27a	RAB27A	KRAS effectors	OncoSig predictions
Rab3d	RAB3D	KRAS effectors	OncoSig predictions
Rab8a	RAB8A	KRAS effectors	OncoSig predictions
Rhog	RHOG	KRAS effectors	OncoSig predictions
Rhot1	RHOT1	KRAS effectors	OncoSig predictions
Rps6ka5	RPS6KA5	KRAS effectors	OncoSig predictions
Rras2	RRAS2	KRAS effectors	OncoSig predictions
Tbc1d4	TBC1D4	KRAS effectors	OncoSig predictions
Vav3	VAV3	KRAS effectors	OncoSig predictions
Ywhah	YWHAH	KRAS effectors	OncoSig predictions

Supplementary table 2: List of targets included in the "KRAS interactors" shRNA library.

Bait	Prey.Human.Symbol	Mouse.symbol	Subset	Mean	logp	Background \ Qualifier	FDR	NSAF
KRAS	ATP2A2	Atp2a2	PPI	2.669587428	0.987495	-3.70488492	gdp	0.102921	-2.66959
KRAS	ATP2A2	Atp2a2	PPI	2.949349399	0.539903	-3.70488492	gtp	0.288468	-2.94935
KRAS	CSE1L	Cse1l	PPI	2.72679236	0.814565	-3.70488492	gdp	0.153262	-2.72679
KRAS	CSE1L	Cse1l	PPI	2.829559233	0.665187	-3.70488492	gtp	0.216179	-2.82956
KRAS	FANCI	Fanci	PPI	2.872854598	0.651684	-3.70488492	gdp	0.223006	-2.87285
KRAS	FANCI	Fanci	PPI	2.896629008	0.615258	-3.70488492	gtp	0.242517	-2.89663
KRAS	FKBP8	Fkbp8	PPI	3.459476109	0.464822	-3.70488492	gtp	0.342908	-3.45948
KRAS	FKBP8	Fkbp8	PPI	3.543795879	0.460088	-3.70488492	gdp	0.346667	-3.5438
KRAS	FNTA	Fnta	PPI	2.43697327	3.454266	-3.70488492	gdp	0.000351	-2.43697
KRAS	FNTA	Fnta	PPI	2.43368675	2.599255	-3.70488492	gtp	0.002516	-2.43369
KRAS	HAX1	Hax1	PPI	2.895579413	0.667095	-3.70488492	gdp	0.215231	-2.89558
KRAS	HAX1	Hax1	PPI	2.852652328	0.482479	-3.70488492	gtp	0.329246	-2.85265
KRAS	HNRNPF	Hnrnpf	PPI	2.686082016	0.478855	-2.84581176	gdp	0.332005	-2.68608
KRAS	HNRNPF	Hnrnpf	PPI	3.022767559	0.296487	-2.84581176	gtp	0.505258	-3.02277
KRAS	HSD17B12	Hsd17b12	PPI	2.983193826	0.465496	-3.70488492	gdp	0.342377	-2.98319
KRAS	HSD17B12	Hsd17b12	PPI	3.037176754	0.413386	-3.70488492	gtp	0.386024	-3.03718
KRAS	IRS4	Irs4	PPI	2.584444216	0.498661	-3.05409767	gdp	0.317204	-2.58444
KRAS	IRS4	Irs4	PPI	2.51202367	0.467001	-3.05409767	gtp	0.341192	-2.51202
KRAS	MAD2L1	Mad2l1	PPI	2.728242426	0.940775	-3.70488492	gdp	0.114611	-2.72824
KRAS	MAD2L1	Mad2l1	PPI	2.757866009	0.613958	-3.70488492	gtp	0.243244	-2.75787
KRAS	MAN1B1	Man1b1	PPI	3.596757843	0.539693	-3.70488492	gdp	0.288607	-3.59676
KRAS	MON2	Mon2	PPI	2.979447234	0.987495	-3.70488492	gdp	0.102921	-2.97945
KRAS	MON2	Mon2	PPI	2.957275371	0.944479	-3.70488492	gtp	0.113637	-2.95728
KRAS	NUP188	Nup188	PPI	3.211780702	0.932547	-3.70488492	gtp	0.116803	-3.21178
KRAS	NUP188	Nup188	PPI	3.393010485	0.668789	-3.70488492	gdp	0.214393	-3.39301
KRAS	NUP205	Nup205	PPI	3.629939911	0.51865	-3.70488492	gdp	0.302935	-3.62994
KRAS	PCNA	Pcna	PPI	2.69179992	0.705924	-3.70488492	gdp	0.196823	-2.6918
KRAS	PCNA	Pcna	PPI	3.084601404	0.44908	-3.70488492	gtp	0.355566	-3.0846
KRAS	PFKP	Pfkp	PPI	2.626046746	0.661928	-3.70488492	gtp	0.217807	-2.62605
KRAS	PFKP	Pfkp	PPI	2.506246533	0.658589	-3.70488492	gdp	0.219488	-2.50625
KRAS	PGAM5	Pgam5	PPI	2.889062017	0.471002	-3.70488492	gtp	0.338064	-2.88906
KRAS	PGAM5	Pgam5	PPI	3.496260532	0.313861	-3.70488492	gdp	0.485444	-3.49626
KRAS	PIK3R2	Pik3r2	PPI	3.609273522	0.537119	-3.70488492	gtp	0.290323	-3.60927
KRAS	PKP1	Pkp1	PPI	3.318423423	0.44439	-3.70488492	gdp	0.359426	-3.31842
KRAS	POF1B	Pof1b	PPI	3.024000023	0.516267	-3.70488492	gdp	0.304602	-3.024
KRAS	PRKDC	Prkdc	PPI	2.371798236	0.616247	-2.90611047	gtp	0.241965	-2.3718
KRAS	PRKDC	Prkdc	PPI	2.424378525	0.561628	-2.90611047	gdp	0.274392	-2.42438
KRAS	RAP1A	Rap1a	PPI	3.233808716	0.527098	-3.70488492	gtp	0.2971	-3.23381
KRAS	RAP1A	Rap1a	PPI	3.79524974	0.227655	-3.70488492	gdp	0.592032	-3.79525
KRAS	RAP1GDS1	Rap1gds1	PPI	2.123386243	3.757739	-3.70488492	gdp	0.000175	-2.12339
KRAS	RAP1GDS1	Rap1gds1	PPI	2.303293821	3.019906	-3.70488492	gtp	0.000955	-2.30329
KRAS	RGL2	Rgl2	PPI	2.744788238	2.211186	-3.70488492	gtp	0.006149	-2.74479
KRAS	RPN1	Rpn1	PPI	2.928270843	0.508329	-3.70488492	gtp	0.310221	-2.92827
KRAS	RPN1	Rpn1	PPI	2.991401314	0.505313	-3.70488492	gdp	0.312383	-2.9914
KRAS	SAAL1	Saal1	PPI	3.276792449	0.855464	-3.70488492	gtp	0.139488	-3.27679
KRAS	SAAL1	Saal1	PPI	3.361112219	0.674199	-3.70488492	gdp	0.211739	-3.36111
KRAS	SDF4	Sdf4	PPI	3.519219246	0.462188	-2.77799202	gtp	0.344995	-3.51922
KRAS	SDF4	Sdf4	PPI	3.779630275	0.399613	-2.77799202	gdp	0.398462	-3.77963
KRAS	SEC61B	Sec61b	PPI	2.65023213	0.665187	-3.70488492	gtp	0.216179	-2.65023
KRAS	SEC61B	Sec61b	PPI	3.035581896	0.512471	-3.70488492	gdp	0.307277	-3.03558
KRAS	SFPQ	Sfpq	PPI	2.973312267	0.616247	-3.70488492	gtp	0.241965	-2.97331
KRAS	SFPQ	Sfpq	PPI	2.948487567	0.577748	-3.70488492	gdp	0.264394	-2.94849
KRAS	SLC25A13	Slc25a13	PPI	3.58190602	0.455385	-3.70488492	gdp	0.350441	-3.58191
KRAS	SLC25A5	Slc25a5	PPI	2.499498203	0.472362	-3.00300992	gdp	0.337006	-2.4995
KRAS	SLC25A5	Slc25a5	PPI	2.47317038	0.467229	-3.00300992	gtp	0.341013	-2.47317
KRAS	SMC1A	Smc1a	PPI	3.086024206	0.782602	-3.70488492	gdp	0.164968	-3.08602
KRAS	SMC1A	Smc1a	PPI	3.277910848	0.508329	-3.70488492	gtp	0.310221	-3.27791
KRAS	STRAP	Strap	PPI	2.62734193	1.234289	-3.37389170	gdp	0.058306	-2.62734
KRAS	STRAP	Strap	PPI	2.647757511	1.043713	-3.37389170	gtp	0.090425	-2.64776
KRAS	TIMM44	Timm44	PPI	2.843147671	0.562322	-3.70488492	gdp	0.273954	-2.84315
KRAS	TIMM44	Timm44	PPI	2.845978077	0.530503	-3.70488492	gtp	0.294779	-2.84598
KRAS	USP11	Usp11	PPI	3.283610399	0.527098	-3.70488492	gtp	0.2971	-3.28361
KRAS	USP11	Usp11	PPI	3.400114852	0.51652	-3.70488492	gdp	0.304424	-3.40011
KRAS	WDR6	Wdr6	PPI	3.58650233	0.554523	-3.70488492	gtp	0.278918	-3.5865
KRAS	WDR6	Wdr6	PPI	3.619669578	0.511067	-3.70488492	gdp	0.308271	-3.61967
KRAS	XPO1	Xpo1	PPI	2.740677453	0.858108	-3.70488492	gdp	0.138641	-2.74068
KRAS	XPO1	Xpo1	PPI	2.759898275	0.663562	-3.70488492	gtp	0.216989	-2.7599

KRAS	XPOT	Xpot	PPI	2.554565597	0.793579	-3.70488492	gdp	0.16085	-2.55457
KRAS	XPOT	Xpot	PPI	2.681099193	0.609298	-3.70488492	gtp	0.245868	-2.6811
-	AP2B1	Ap2b1	control						
-	-	Gm14725	control						
-	MAP4K4	Map4k4	control						
-	MLST8	Mlst8	control						
-	NME2	Nme2	control						
-	NOP58	Nop58	control						
-	OGFR	Ogfr	control						
-	PDCD11	Pdcd11	control						
	PDCD2	Pdcd2	control						
-	PGGT1B	Pggt1b	control						
-	RAD21	Rad21	control						
-	RASL10A	Rasl10a	control						
-	RRP1	Rrp1	control						
-	SSRP1	Ssrp1	control						
-	STX8	Stx8	control						
-	SUPT5H	Supt5h	control						
	TBK1	Tbk1	control						
	TP53	Trp53	control						
-	TRIM32	Trim32	control						
-	UBR4	Ubr4	control						

Supplementary table 3: Sequences of shRNAs used in primary spheroid screens.

TRCID	Clone.ID	Legacy.Clo	Construct.T	Vector	Target.Gen	Gene.Symb	Taxon	Target.Regi	Target.Seq
TRCN0000	TRCN0000	NM_00959	shRNA	pLKO_005	11350	Abl1	mouse	3UTR	GGAAGGAAGCTGTCGCTTTAA
TRCN0000	TRCN0000	NM_00959	shRNA	pLKO_005	11350	Abl1	mouse	CDS	CGTGTGGGCATTTGGAGTATT
TRCN0000	TRCN0000	NM_00959	shRNA	pLKO_005	11350	Abl1	mouse	3UTR	CAGGGCTCTTGTGCCTATAAA
TRCN0000	TRCN0000	NM_00959	shRNA	pLKO_005	11350	Abl1	mouse	CDS	CTCCGGGTCTTGGGTTATAAT
TRCN0000	TRCN0000	NM_00965	shRNA	pLKO_005	11651	Akt1	mouse	CDS	CCACAGTCATTGAGCGCACCT
TRCN0000	TRCN0000	NM_00965	shRNA	pLKO_005	11651	Akt1	mouse	CDS	TCTGAGACTGACACCAGGTAT
TRCN0000	TRCN0000	NM_00965	shRNA	pLKO_005	11651	Akt1	mouse	CDS	TGGCACCTTTATTGGCTACAA
TRCN0000	TRCN0000	NM_02791	shRNA	pLKO_005	71770	Ap2b1	mouse	3UTR	CCAGTCATCTTGTGCTGACAT
TRCN0000	TRCN0000	NM_02791	shRNA	pLKO_005	71770	Ap2b1	mouse	CDS	CGCAAACACTTGCCAATTCAT
TRCN0000	TRCN0000	NM_02791	shRNA	pLKO_005	71770	Ap2b1	mouse	CDS	ACCGCCAAGGGCATATCTATA
TRCN0000	TRCN0000	NM_02791	shRNA	pLKO_005	71770	Ap2b1	mouse	CDS	AGTGGTGCTTTCAGCCGTAAA
TRCN0000	TRCN0000	NM_14522	shRNA	pLKO_005	72993	Appl1	mouse	3UTR	TGAACTTGATAACCGGTTATA
TRCN0000	TRCN0000	NM_14522	shRNA	pLKO_005	72993	Appl1	mouse	CDS	TGATCATGATGCCGCAATTAA
TRCN0000	TRCN0000	NM_14522	shRNA	pLKO_005	72993	Appl1	mouse	CDS	TGTCATCAGTCTGCTATATAT
TRCN0000	TRCN0000	NM_14522	shRNA	pLKO_005	72993	Appl1	mouse	CDS	GCAGTACTTTCAACTCAACTT
TRCN0000(	TRCN0000(	NM_17516	shRNA	pLKO.1	71302	Arhgap26	mouse	3UTR	CCCAGAACAAAGAGAGGGAAT
TRCN0000(	TRCN0000(	NM_17516	shRNA	pLKO.1	71302	Arhgap26	mouse	CDS	CGGCAACATTTCTACGAAGTA
TRCN0000(	TRCN0000(	NM_17516	shRNA	pLKO.1	71302	Arhgap26	mouse	CDS	CGGAGTCGAATGATCGAGAAT
TRCN0000(	TRCN0000(	NM_17516	shRNA	pLKO.1	71302	Arhgap26	mouse	CDS	CCCAGAGAACTACGTGGAATT
TRCN0000(	TRCN0000(	NM_17516	shRNA	pLKO.1	71302	Arhgap26	mouse	CDS	CCAGTTTCAAAGAAGTTTCAT
TRCN0000	TRCN0000	NM_13379	shRNA	pLKO.1	192662	Arhgdia	mouse	3UTR	GCCTGGCCTGTCAGTATTTAT
TRCN0000	TRCN0000	NM_13379	shRNA	pLKO.1	192662	Arhgdia	mouse	CDS	GAGTGGAATCTCACCATCAAA
TRCN0000	TRCN0000	NM_13379	shRNA	pLKO.1	192662	Arhgdia	mouse	CDS	CAGTCGTTTGTCTTGAAGGAA
TRCN0000	TRCN0000	NM_13379	shRNA	pLKO.1	192662	Arhgdia	mouse	CDS	TCCGGCATGAAGTACATCCAA
TRCN0000	TRCN0000	NM_13379	shRNA	pLKO.1	192662	Arhgdia	mouse	CDS	AGCTTCAAGAAACAGTCGTTT
TRCN0000	TRCN0000	NM_00848	shRNA	pLKO.1	16801	Arhgef1	mouse	3UTR	AGAGGGAGATTGGCTGAACTT
TRCN0000	TRCN0000	NM_00848	shRNA	pLKO.1	16801	Arhgef1	mouse	CDS	CCTTGACTTCTATCACAGTTT
TRCN0000	TRCN0000	NM_00848	shRNA	pLKO.1	16801	Arhgef1	mouse	CDS	CCTACAGTTAAAGGACATGAT
TRCN0000	TRCN0000	NM_00848	shRNA	pLKO.1	16801	Arhgef1	mouse	CDS	CCTGATCTGATCTCTGAGGAT
TRCN0000	TRCN0000	NM_00848	shRNA	pLKO.1	16801	Arhgef1	mouse	CDS	GTGACCAAAGACAAAGCTATA
TRCN0000(	TRCN0000(	NM_00972	shRNA	pLKO.1	11938	Atp2a2	mouse	3UTR	GCCTCTCTAACTGTATGATAA
TRCN0000(	TRCN0000(	NM_00972	shRNA	pLKO.1	11938	Atp2a2	mouse	CDS	GCCGTTTGTAATTCTGCTTAT
TRCN0000(	TRCN0000(	NM_00972	shRNA	pLKO.1	11938	Atp2a2	mouse	CDS	CCAGGATTGAAGTAGCCTCTT
TRCN0000(	TRCN0000(	NM_00972	shRNA	pLKO.1	11938	Atp2a2	mouse	CDS	CCGAGCTGTTAATCAAGACAA
TRCN0000(	TRCN0000(	NM_00972	shRNA	pLKO.1	11938	Atp2a2	mouse	CDS	CCTGGTGATATAGTGGAAATT
TRCN0000(	TRCN0000(	NM_00770	shRNA	pLKO.1	12675	Chuk	mouse	3UTR	GCTCTCTTGAAGGTTGATGTA
TRCN0000(	TRCN0000(	NM_00770	shRNA	pLKO.1	12675	Chuk	mouse	CDS	CCTAAATATGACTTCTGCAAA
TRCN0000(	TRCN0000(	NM_00770	shRNA	pLKO.1	12675	Chuk	mouse	CDS	GCAGCAATGTTAAGTCTTCTT
TRCN0000(	TRCN0000(	NM_00770	shRNA	pLKO.1	12675	Chuk	mouse	CDS	GCTGACAATACTGTCATGTTT
TRCN0000(	TRCN0000(	NM_00770	shRNA	pLKO.1	12675	Chuk	mouse	CDS	GCGTGCCATTGATCTCTATAA
TRCN0000	TRCN0000	NM_02356	shRNA	pLKO.1	110750	Cse1l	mouse	CDS	GCAGATCTTCATTCTACTATT
TRCN0000	TRCN0000	NM_02356	shRNA	pLKO.1	110750	Cse1l	mouse	CDS	CCACCAAGTTTATCAAGAGTT
TRCN0000	TRCN0000	NM_02356	shRNA	pLKO.1	110750	Cse1l	mouse	CDS	GCCAATGAACTTGTAAACCTA
TRCN0000	TRCN0000	NM_02356	shRNA	pLKO.1	110750	Cse1l	mouse	CDS	GAAGCAATATGCTTGTCTATA
TRCN0000	TRCN0000	NM_02356	shRNA	pLKO.1	110750	Cse1l	mouse	CDS	CGCAAGCCAATGAACTTGTAA
TRCN0000(	TRCN0000(	NM_01384	shRNA	pLKO.1	27389	Dusp13	mouse	3UTR	GCCTCTGCTGTTTCCAGAGAT
TRCN0000(	TRCN0000(	NM_01384	shRNA	pLKO.1	27389	Dusp13	mouse	CDS	GTTGCTCGTTACATCAGAGAT
TRCN0000(	TRCN0000(	NM_01384	shRNA	pLKO.1	27389	Dusp13	mouse	CDS	GCCAGAGACAAGGGTCGTCTA
TRCN0000(	TRCN0000(	NM_01384	shRNA	pLKO.1	27389	Dusp13	mouse	CDS	CCTCTGGAGTACTATGGCATT
TRCN0000(	TRCN0000(	NM_01384	shRNA	pLKO.1	27389	Dusp13	mouse	CDS	CGAGATATCTGTCCCAACTCA
TRCN0000(	TRCN0000(	NM_00788	shRNA	pLKO.1	13543	Dvl2	mouse	CDS	CGAGCTTTCTTCGTACACCTA
TRCN0000(	TRCN0000(	NM_00788	shRNA	pLKO.1	13543	Dvl2	mouse	CDS	GCTGTGAGAGTTACCTAGTTA
TRCN0000	TRCN0000	NM_00788	shRNA	pLKO_005	13543	Dvl2	mouse	3UTR	ACCCATCTTGAGGCCACATTG
TRCN0000	TRCN0000	NM_00788	shRNA	pLKO_005	13543	Dvl2	mouse	CDS	CTGTGAGAGTTACCTAGTTAA
TRCN0000	TRCN0000	NM_00788	shRNA	pLKO_005	13543	Dvl2	mouse	CDS	TAGGCGAGACGAAGGTGATTT

TRCN0000	TRCN0000	NM_17839	shRNA	pLKO.1	76577	Faf2	mouse	CDS	CGGTTTACCTATTACACGATA
TRCN0000	TRCN0000	NM_17839	shRNA	pLKO.1	76577	Faf2	mouse	CDS	CCATGACTTCTTATTCTCCTT
TRCN0000	TRCN0000	NM_17839	shRNA	pLKO.1	76577	Faf2	mouse	CDS	CCACAGGATCTACAGCTATGT
TRCN0000	TRCN0000	NM_17839	shRNA	pLKO.1	76577	Faf2	mouse	CDS	CCTGTGTTCCTTCAGAGGAAT
TRCN0000	TRCN0000	NM_17839	shRNA	pLKO.1	76577	Faf2	mouse	CDS	CCTTGCTTTGGAGCAGCATAA
TRCN0000	TRCN0000	NM_14594	shRNA	pLKO_005	208836	Fanci	mouse	3UTR	ACCTGTAAGACGGTGGAAATT
TRCN0000	TRCN0000	NM_14594	shRNA	pLKO_005	208836	Fanci	mouse	CDS	ATGTAAGCTGGGAGCTAATAT
TRCN0000	TRCN0000	NM_14594	shRNA	pLKO_005	208836	Fanci	mouse	CDS	CTTCAGAACCAAGCGGTGAAA
TRCN0000	TRCN0000	NM_14594	shRNA	pLKO_005	208836	Fanci	mouse	CDS	CAGAGATCATAGGATTACTAA
TRCN0000	TRCN0000	NM_14594	shRNA	pLKO_005	208836	Fanci	mouse	CDS	CCGTTATTCTGCACATCGTAT
TRCN0000	TRCN0000	NM_01022	shRNA	pLKO.1	14232	Fkbp8	mouse	3UTR	GCAAGGATTGAGGGTCAAATA
TRCN0000	TRCN0000	NM_01022	shRNA	pLKO.1	14232	Fkbp8	mouse	CDS	GCTGAAGGTCAAGTGTCTGAA
TRCN0000	TRCN0000	NM_01022	shRNA	pLKO.1	14232	Fkbp8	mouse	CDS	GCTCTCAAAGCTGGTAAAGAA
TRCN0000	TRCN0000	NM_01022	shRNA	pLKO.1	14232	Fkbp8	mouse	CDS	GTACCGAAAGATGCTAGGCAA
TRCN0000	TRCN0000	NM_01022	shRNA	pLKO.1	14232	Fkbp8	mouse	CDS	AGGTGAATATAGTGAGGCCAT
TRCN0000	TRCN0000	NM_00803	shRNA	pLKO.1	14272	Fnta	mouse	3UTR	GCTATCACTGTAACCAACTAA
TRCN0000	TRCN0000	NM_00803	shRNA	pLKO.1	14272	Fnta	mouse	CDS	GAACTACATCACTGCGATAAT
TRCN0000	TRCN0000	NM_00803	shRNA	pLKO.1	14272	Fnta	mouse	CDS	CAGAGCAGAATGGGCTGATAT
TRCN0000	TRCN0000	NM_00803	shRNA	pLKO.1	14272	Fnta	mouse	CDS	CCCTTCAGAGTAAACACTGCA
TRCN0000	TRCN0000	NM_00108	shRNA	pLKO_005	628053	Gm14725	mouse	CDS	CTCGTATAATGACACAGAATA
TRCN0000	TRCN0000	NM_00108	shRNA	pLKO_005	628053	Gm14725	mouse	CDS	CACTCATGTTACCTTAGATAT
TRCN0000	TRCN0000	NM_00108	shRNA	pLKO_005	628053	Gm14725	mouse	CDS	ATGAGGAAGAAGAGTATTATA
TRCN0000	TRCN0000	NM_00108	shRNA	pLKO_005	628053	Gm14725	mouse	CDS	TCCAACTCAGGCTACACATAA
TRCN0000	TRCN0000	NM_00108	shRNA	pLKO_005	628053	Gm14725	mouse	CDS	TCACACCAGAGCAGGCATTTA
TRCN0000	TRCN0000	NM_01182	shRNA	pLKO.1	23897	Hax1	mouse	CDS	CCAGCCCAAATCGTATTTCAA
TRCN0000	TRCN0000	NM_01182	shRNA	pLKO.1	23897	Hax1	mouse	CDS	CACGGCAACTTTGGCTTTGAT
TRCN0000	TRCN0000	NM_01182	shRNA	pLKO.1	23897	Hax1	mouse	CDS	GCAGACACTACGAGACTCAAT
TRCN0000	TRCN0000	NM_01182	shRNA	pLKO.1	23897	Hax1	mouse	CDS	TCAGCTTTGGATGATCCCTTT
TRCN0000	TRCN0000	NM_01182	shRNA	pLKO.1	23897	Hax1	mouse	CDS	CGGCAACTTTGGCTTTGATGA
TRCN0000	TRCN0000	NM_02593	shRNA	pLKO.1	67044	Higd2a	mouse	3UTR	CGCCATGGAAACCATTACAAA
TRCN0000	TRCN0000	NM_02593	shRNA	pLKO.1	67044	Higd2a	mouse	CDS	GCATCTGCTATGAAGTCTCAA
TRCN0000	TRCN0000	NM_02593	shRNA	pLKO.1	67044	Higd2a	mouse	CDS	GAGAACCCAATGGTGCCTATA
TRCN0000	TRCN0000	NM_02593	shRNA	pLKO.1	67044	Higd2a	mouse	CDS	GCACAGGGTTTCACGGTCGTA
TRCN0000	TRCN0000	NM_02593	shRNA	pLKO.1	67044	Higd2a	mouse	CDS	GTTAGCGGCATCTGCTATGAA
TRCN0000	TRCN0000	NM_13383	shRNA	pLKO_005	98758	Hnrnpf	mouse	CDS	GCAGGTGTTCATTTCATTTAT
TRCN0000	TRCN0000	NM_13383	shRNA	pLKO_005	98758	Hnrnpf	mouse	CDS	GCTCAATTGAGGACGTACAAA
TRCN0000	TRCN0000	NM_13383	shRNA	pLKO_005	98758	Hnrnpf	mouse	CDS	AGCATGGGACACCGGTATATT
TRCN0000	TRCN0000	NM_13383	shRNA	pLKO_005	98758	Hnrnpf	mouse	3UTR	AGTATGTTGAGTGGATCTTTA
TRCN0000	TRCN0000	NM_13383	shRNA	pLKO_005	98758	Hnrnpf	mouse	CDS	AGCAACGGAGAACGACATTTA
TRCN0000	TRCN0000	NM_01965	shRNA	pLKO.1	56348	Hsd17b12	mouse	CDS	CCCAGTTCCATTGTTGACAAT
TRCN0000	TRCN0000	NM_01965	shRNA	pLKO.1	56348	Hsd17b12	mouse	CDS	CGGAATCGCTACCTGAAGAAA
TRCN0000	TRCN0000	NM_01965	shRNA	pLKO.1	56348	Hsd17b12	mouse	CDS	CAAGATAAACTGAATCAGGTT
TRCN0000	TRCN0000	NM_01965	shRNA	pLKO.1	56348	Hsd17b12	mouse	CDS	CATGGGCTCAATAAACTCAAT
TRCN0000	TRCN0000	NM_01965	shRNA	pLKO.1	56348	Hsd17b12	mouse	CDS	CTTTCTGGAAATTCCCGACTT
TRCN0000	TRCN0000	NM_01054	shRNA	pLKO.1	16150	Ikbkb	mouse	3UTR	GCTGCACATTTGAATCTGTAA
TRCN0000	TRCN0000	NM_01054	shRNA	pLKO.1	16150	Ikbkb	mouse	CDS	GCTCTTAGATACCTTCACGAA
TRCN0000	TRCN0000	NM_01054	shRNA	pLKO.1	16150	Ikbkb	mouse	CDS	CTTACCTGAATCAGACAAGAA
TRCN0000	TRCN0000	NM_01054	shRNA	pLKO.1	16150	Ikbkb	mouse	CDS	GCATCTAGTAGAGCGGATGAT
TRCN0000	TRCN0000	NM_01054	shRNA	pLKO.1	16150	Ikbkb	mouse	CDS	CGTTGTTAGTGAAGACTTGAA
TRCN0000	TRCN0000	NM_18151	shRNA	pLKO.1	233726	Ipo7	mouse	CDS	CGCATGAAGTTCGATGTGTTT
TRCN0000	TRCN0000	NM_18151	shRNA	pLKO.1	233726	Ipo7	mouse	CDS	CGCTTCCCAAATAATGTTGAA
TRCN0000	TRCN0000	NM_18151	shRNA	pLKO.1	233726	Ipo7	mouse	CDS	CCAGTTCTGAAGGATCGCTTT
TRCN0000	TRCN0000	NM_18151	shRNA	pLKO.1	233726	Ipo7	mouse	CDS	GCTGTAGAAATGACACAACAT
TRCN0000	TRCN0000	NM_18151	shRNA	pLKO.1	233726	Ipo7	mouse	CDS	TCATCAAACATGACTATCCAA
TRCN0000	TRCN0000	NM_01057	shRNA	pLKO.1	16370	Irs4	mouse	3UTR	CCGAGTTGATTTCTATTGTTT
TRCN0000	TRCN0000	NM_01057	shRNA	pLKO.1	16370	Irs4	mouse	CDS	CGACGACATTTACGTGAGAAT
TRCN0000	TRCN0000	NM_01057	shRNA	pLKO.1	16370	Irs4	mouse	CDS	GCCAGAGCTTTCGATGAAGAT

TRCN0000[illegible]	TRCN0000[illegible]	NM_01057	shRNA	pLKO.1	16370	Irs4	mouse	CDS	CCATTTGCTATGATGCTCAAA
TRCN0000[illegible]	TRCN0000[illegible]	NM_01183	shRNA	pLKO.1	23937	Mab21l2	mouse	3UTR	CCTTCCAAACAATGTGAATTT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01183	shRNA	pLKO.1	23937	Mab21l2	mouse	3UTR	GCTTCCATTTGAACTCTGATT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01183	shRNA	pLKO.1	23937	Mab21l2	mouse	CDS	CAACCAGATGGGAGTCTTCAA
TRCN0000[illegible]	TRCN0000[illegible]	NM_01183	shRNA	pLKO.1	23937	Mab21l2	mouse	CDS	GCTGTAGAAACAAGTGCCTCT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01183	shRNA	pLKO.1	23937	Mab21l2	mouse	CDS	CCAGATGGGAGTCTTCAACTT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01949	shRNA	pLKO.1	56150	Mad2l1	mouse	3UTR	CCAGGATATAAAGAAGCGTTT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01949	shRNA	pLKO.1	56150	Mad2l1	mouse	CDS	GCTCAGTGATTAGACAGATTA
TRCN0000[illegible]	TRCN0000[illegible]	NM_01949	shRNA	pLKO.1	56150	Mad2l1	mouse	CDS	GCAGAAATATGGACTCACCTT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01949	shRNA	pLKO.1	56150	Mad2l1	mouse	CDS	GACCGCAATTTATTACCAATT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01949	shRNA	pLKO.1	56150	Mad2l1	mouse	CDS	GTGGCATTTATCCGTCGGAAA
TRCN0000[illegible]	TRCN0000[illegible]	NM_00102	shRNA	pLKO.1	227619	Man1b1	mouse	CDS	CCATACTCTGATGTGAACATT
TRCN0000[illegible]	TRCN0000[illegible]	NM_00102	shRNA	pLKO.1	227619	Man1b1	mouse	CDS	GAAGTAGAGAAGATGAAGCAA
TRCN0000[illegible]	TRCN0000[illegible]	NM_00102	shRNA	pLKO.1	227619	Man1b1	mouse	CDS	GACGGTGGAAAGCCTATTCTA
TRCN0000[illegible]	TRCN0000[illegible]	NM_00102	shRNA	pLKO.1	227619	Man1b1	mouse	CDS	GAGCCCTGAGATTGCACATTT
TRCN0000[illegible]	TRCN0000[illegible]	NM_00102	shRNA	pLKO.1	227619	Man1b1	mouse	3UTR	TAGGATTCTCCTATCCAATTC
TRCN0000[illegible]	TRCN0000[illegible]	NM_01194	shRNA	pLKO_005	26406	Map3k3	mouse	CDS	TCGATAAAGCCATTGACATTT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01194	shRNA	pLKO_005	26406	Map3k3	mouse	CDS	AGACCCAGCTCTATGATAAAG
TRCN0000[illegible]	TRCN0000[illegible]	NM_01194	shRNA	pLKO_005	26406	Map3k3	mouse	CDS	CGGCATCAAGGCAACCTATTC
TRCN0000[illegible]	TRCN0000[illegible]	NM_01194	shRNA	pLKO_005	26406	Map3k3	mouse	3UTR	AGGAGGAGCTACTCGGATAAG
TRCN0000[illegible]	TRCN0000[illegible]	NM_01194	shRNA	pLKO_005	26406	Map3k3	mouse	CDS	GACTTCCTGAGGCGCATATTT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01669	shRNA	pLKO_005	53608	Map3k6	mouse	CDS	GAGAGCACTATTAGCTTCTAT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01669	shRNA	pLKO_005	53608	Map3k6	mouse	3UTR	GACATCAAAGGACACAGATAC
TRCN0000[illegible]	TRCN0000[illegible]	NM_01669	shRNA	pLKO.1	53608	Map3k6	mouse	CDS	CACAGACTCTTGCGGCTATTT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01669	shRNA	pLKO.1	53608	Map3k6	mouse	CDS	CTACAGGAACTGAGTGTAGAT
TRCN0000[illegible]	TRCN0000[illegible]	NM_00869	shRNA	pLKO_005	26921	Map4k4	mouse	CDS	GCCGACATCTGTAGCATATAT
TRCN0000[illegible]	TRCN0000[illegible]	NM_00869	shRNA	pLKO_005	26921	Map4k4	mouse	CDS	CCTGACGATAAGAAAGAAGTA
TRCN0000[illegible]	TRCN0000[illegible]	NM_00869	shRNA	pLKO_005	26921	Map4k4	mouse	CDS	CGTACTATGGTGCTTTCATTA
TRCN0000[illegible]	TRCN0000[illegible]	NM_00869	shRNA	pLKO_005	26921	Map4k4	mouse	CDS	GCACCTATGGACAAGTCTATA
TRCN0000[illegible]	TRCN0000[illegible]	NM_01194	shRNA	pLKO.1	26413	Mapk1	mouse	3UTR	GCTGTGGAGTTGATGGTGTTA
TRCN0000[illegible]	TRCN0000[illegible]	NM_01194	shRNA	pLKO.1	26413	Mapk1	mouse	CDS	GACATGGAGTTGGACGACTTA
TRCN0000[illegible]	TRCN0000[illegible]	NM_01194	shRNA	pLKO.1	26413	Mapk1	mouse	CDS	GCTGAATCACATCCTGGGTAT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01194	shRNA	pLKO.1	26413	Mapk1	mouse	CDS	TCAACAAAGTTCGAGTTGCTA
TRCN0000[illegible]	TRCN0000[illegible]	NM_01194	shRNA	pLKO.1	26413	Mapk1	mouse	CDS	CAAGGGTTATACCAAGTCCAT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01671	shRNA	pLKO.1	50932	Mink1	mouse	CDS	CGGATTAAGTTCCTGGTCATT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01671	shRNA	pLKO.1	50932	Mink1	mouse	CDS	CCCAGGCTCAAGTCAAAGAAA
TRCN0000[illegible]	TRCN0000[illegible]	NM_01671	shRNA	pLKO.1	50932	Mink1	mouse	CDS	CGACCTGGTAAAGAACACAAA
TRCN0000[illegible]	TRCN0000[illegible]	NM_01671	shRNA	pLKO.1	50932	Mink1	mouse	CDS	GCTTGCTGATAGCAATGGCTA
TRCN0000[illegible]	TRCN0000[illegible]	NM_01671	shRNA	pLKO.1	50932	Mink1	mouse	CDS	CCATCGCAATATTGCCACCTA
TRCN0000[illegible]	TRCN0000[illegible]	NM_01998	shRNA	pLKO_005	56716	Mlst8	mouse	CDS	TATGATCTCAACTCCAATAAC
TRCN0000[illegible]	TRCN0000[illegible]	NM_01998	shRNA	pLKO_005	56716	Mlst8	mouse	CDS	CTTAGCATCAAGAGTAGTAAC
TRCN0000[illegible]	TRCN0000[illegible]	NM_01998	shRNA	pLKO.1	56716	Mlst8	mouse	CDS	GCTTAGCATCAAGAGTAGTAA
TRCN0000[illegible]	TRCN0000[illegible]	NM_01998	shRNA	pLKO.1	56716	Mlst8	mouse	CDS	GCATCAGGACTCTCAGGTAAA
TRCN0000[illegible]	TRCN0000[illegible]	NM_01998	shRNA	pLKO.1	56716	Mlst8	mouse	CDS	GTATGATCTCAACTCCAATAA
TRCN0000[illegible]	TRCN0000[illegible]	NM_15339	shRNA	pLKO_005	67074	Mon2	mouse	CDS	CTTAACGTCAATAGGCTTATT
TRCN0000[illegible]	TRCN0000[illegible]	NM_15339	shRNA	pLKO_005	67074	Mon2	mouse	CDS	TCCACCTGGCACACCATTATT
TRCN0000[illegible]	TRCN0000[illegible]	NM_15339	shRNA	pLKO_005	67074	Mon2	mouse	CDS	GATCATGTACCCGGCTATATT
TRCN0000[illegible]	TRCN0000[illegible]	NM_15339	shRNA	pLKO_005	67074	Mon2	mouse	3UTR	TAATTATCTGGGTACAGTAAT
TRCN0000[illegible]	TRCN0000[illegible]	NM_17301	shRNA	pLKO_005	270163	Myo9a	mouse	CDS	TGGATAGTGTTTCGTATTAAT
TRCN0000[illegible]	TRCN0000[illegible]	NM_17301	shRNA	pLKO_005	270163	Myo9a	mouse	3UTR	TGCTCTCATTTCTAGCATTTA
TRCN0000[illegible]	TRCN0000[illegible]	NM_17301	shRNA	pLKO_005	270163	Myo9a	mouse	CDS	GGTGATTGACTCCCTTATAAA
TRCN0000[illegible]	TRCN0000[illegible]	NM_17301	shRNA	pLKO_005	270163	Myo9a	mouse	CDS	TGACCCTTCAGGATCGAATTA
TRCN0000[illegible]	TRCN0000[illegible]	NM_17301	shRNA	pLKO_005	270163	Myo9a	mouse	CDS	ATCCGCTATAAAGACCTATAT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01090	shRNA	pLKO.1	18020	Nfatc2ip	mouse	CDS	TCAACCTCATTCCAGATAATT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01090	shRNA	pLKO.1	18020	Nfatc2ip	mouse	CDS	GTGTCTCCAAACAGGATTCTT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01090	shRNA	pLKO_005	18020	Nfatc2ip	mouse	3UTR	GCGCTGTTGAAATCCTGATTT
TRCN0000[illegible]	TRCN0000[illegible]	NM_01090	shRNA	pLKO_005	18020	Nfatc2ip	mouse	CDS	GATGAGGCAGATCTGACAAAT

TRCN0000(	TRCN0000(	NM_00870	shRNA	pLKO.1	18103	Nme2	mouse	CDS	GTTGGCAGGAACATCATTCAT
TRCN0000(	TRCN0000(	NM_00870	shRNA	pLKO.1	18103	Nme2	mouse	CDS	AGAACACCTGAAGCAGCATTA
TRCN0000(	TRCN0000(	NM_00870	shRNA	pLKO.1	18103	Nme2	mouse	CDS	AGTGCTGAGAAAGAGATCCAT
TRCN0000(	TRCN0000(	NM_00870	shRNA	pLKO.1	18103	Nme2	mouse	CDS	AGACCAATCCAGCTGATTCAA
TRCN0000(	TRCN0000(	NM_00870	shRNA	pLKO.1	18103	Nme2	mouse	CDS	GACTACAAGTCTTGTGCCCAT
TRCN0000(	TRCN0000(	NM_01886	shRNA	pLKO.1	55989	Nop58	mouse	CDS	CCTTATTAGATGACTTGGATA
TRCN0000(	TRCN0000(	NM_01886	shRNA	pLKO.1	55989	Nop58	mouse	CDS	CCAAACACAAAGGAAAGATTT
TRCN0000(	TRCN0000(	NM_01886	shRNA	pLKO.1	55989	Nop58	mouse	3UTR	CATCATGCTTACGATTCAGTT
TRCN0000(	TRCN0000(	NM_01886	shRNA	pLKO.1	55989	Nop58	mouse	CDS	GCAACATTCTACATCTGTGTA
TRCN0000(	TRCN0000(	NM_01886	shRNA	pLKO.1	55989	Nop58	mouse	3UTR	CCGAACACATCATGCTTACGA
TRCN0000(	TRCN0000(	NM_19832	shRNA	pLKO.1	386649	Nsfl1c	mouse	CDS	GTAGTGCTAAAGCTCTGGAAA
TRCN0000(	TRCN0000(	NM_19832	shRNA	pLKO.1	386649	Nsfl1c	mouse	CDS	AGCTACCAAGACCCATCCAAT
TRCN0000(	TRCN0000(	NM_19832	shRNA	pLKO.1	386649	Nsfl1c	mouse	CDS	CCCAGGTATTAAACACCAGCT
TRCN0000(	TRCN0000(	NM_19832	shRNA	pLKO.1	386649	Nsfl1c	mouse	CDS	GATATGGAGGATCATCGGGAT
TRCN0000(	TRCN0000(	NM_19832	shRNA	pLKO.1	386649	Nsfl1c	mouse	CDS	CCAGAGGAAGAGTCTGCCTAT
TRCN0000(	TRCN0000(	NM_19830	shRNA	pLKO_005	227699	Nup188	mouse	CDS	TCAAGACTCTACGCTACAATT
TRCN0000(	TRCN0000(	NM_19830	shRNA	pLKO_005	227699	Nup188	mouse	CDS	CCATCATTGATTTGGTTCATA
TRCN0000(	TRCN0000(	NM_19830	shRNA	pLKO_005	227699	Nup188	mouse	CDS	CCAACATGACTCAGATGATTA
TRCN0000(	TRCN0000(	NM_19830	shRNA	pLKO_005	227699	Nup188	mouse	3UTR	TGCCCACCCGCTGACATTATT
TRCN0000(	TRCN0000(	NM_19830	shRNA	pLKO_005	227699	Nup188	mouse	CDS	GCAGAAGGGACCCGAACATTA
TRCN0000(	TRCN0000(	NM_02751	shRNA	pLKO_005	70699	Nup205	mouse	CDS	TGGCGCCATCTGGAGTATTAT
TRCN0000(	TRCN0000(	NM_02751	shRNA	pLKO_005	70699	Nup205	mouse	CDS	CAAGTGAACCAGCACGATATA
TRCN0000(	TRCN0000(	NM_14522	shRNA	pLKO.1	246728	Oas2	mouse	3UTR	CCCACCAAATTCTCTGGATAA
TRCN0000(	TRCN0000(	NM_14522	shRNA	pLKO.1	246728	Oas2	mouse	CDS	CCAACCAATAATGTGGGCAAA
TRCN0000(	TRCN0000(	NM_14522	shRNA	pLKO.1	246728	Oas2	mouse	CDS	CCCAACCAATAATGTGGGCAA
TRCN0000(	TRCN0000(	NM_14522	shRNA	pLKO.1	246728	Oas2	mouse	CDS	GCAGAGAATACTCCTGCAATT
TRCN0000(	TRCN0000(	NM_14522	shRNA	pLKO.1	246728	Oas2	mouse	CDS	CGCAGAAGCTAGAAGGGTATA
TRCN0000(	TRCN0000(	NM_03137	shRNA	pLKO.1	72075	Ogfr	mouse	CDS	CCAGTCTAGGATGACAAGGTA
TRCN0000(	TRCN0000(	NM_03137	shRNA	pLKO.1	72075	Ogfr	mouse	CDS	AGCCACAACAATCTGCGTATT
TRCN0000(	TRCN0000(	NM_03137	shRNA	pLKO.1	72075	Ogfr	mouse	CDS	GCAAAGATACCGGCACAACTA
TRCN0000(	TRCN0000(	NM_03137	shRNA	pLKO_005	72075	Ogfr	mouse	3UTR	GCTCTGTTGTTGGCTCTTCTT
TRCN0000(	TRCN0000(	NM_01104	shRNA	pLKO_005	18538	Pcna	mouse	3UTR	CCAAGTTTGTACCTGAGTATT
TRCN0000(	TRCN0000(	NM_01104	shRNA	pLKO_005	18538	Pcna	mouse	CDS	AGCTTGGCAATGGGAACATTA
TRCN0000(	TRCN0000(	NM_01104	shRNA	pLKO_005	18538	Pcna	mouse	CDS	TCCGAAGGCTTCGACACATAC
TRCN0000(	TRCN0000(	NM_01104	shRNA	pLKO_005	18538	Pcna	mouse	CDS	AGGAGTACAGCTGTGTAATAA
TRCN0000(	TRCN0000(	NM_01104	shRNA	pLKO_005	18538	Pcna	mouse	CDS	GACTATGAAATGAAGTTAATG
TRCN0000(	TRCN0000(	NM_01105	shRNA	pLKO.1	18572	Pdcd11	mouse	3UTR	CTGCTTTAGTTGCTGTTGTTT
TRCN0000(	TRCN0000(	NM_01105	shRNA	pLKO.1	18572	Pdcd11	mouse	CDS	CCCAGAAGATTGTCAGATGTT
TRCN0000(	TRCN0000(	NM_01105	shRNA	pLKO.1	18572	Pdcd11	mouse	CDS	CGGTGTTATCATACGGGTCAA
TRCN0000(	TRCN0000(	NM_01105	shRNA	pLKO.1	18572	Pdcd11	mouse	CDS	CCTCAATGATACCTTCCACTT
TRCN0000(	TRCN0000(	NM_01105	shRNA	pLKO.1	18572	Pdcd11	mouse	CDS	GCAGAAGAACAAAGGTGCTAA
TRCN0000(	TRCN0000(	NM_00879	shRNA	pLKO_005	18567	Pdcd2	mouse	CDS	GCAAAGCACGAATCCAAGGAA
TRCN0000(	TRCN0000(	NM_00879	shRNA	pLKO_005	18567	Pdcd2	mouse	CDS	CCCTTGAACCAGAGCAGATTC
TRCN0000(	TRCN0000(	NM_00879	shRNA	pLKO_005	18567	Pdcd2	mouse	CDS	CAGAAACAGAAGATGAAATTT
TRCN0000(	TRCN0000(	NM_01970	shRNA	pLKO_005	56421	Pfkp	mouse	CDS	ACGAAAGCTGCAGTGTAAATT
TRCN0000(	TRCN0000(	NM_01970	shRNA	pLKO_005	56421	Pfkp	mouse	CDS	GACACGTGCGACCGCATTAAA
TRCN0000(	TRCN0000(	NM_01970	shRNA	pLKO_005	56421	Pfkp	mouse	CDS	GCCATTTGATATCGGAGATTT
TRCN0000(	TRCN0000(	NM_01970	shRNA	pLKO_005	56421	Pfkp	mouse	3UTR	TGACGGAGTCAGCAGTAATAA
TRCN0000(	TRCN0000(	NM_01970	shRNA	pLKO_005	56421	Pfkp	mouse	CDS	TCGGAATGGTGATATCGATAA
TRCN0000(	TRCN0000(	NM_02827	shRNA	pLKO.1	72542	Pgam5	mouse	3UTR	CCATCTTGTAAATGTTGGGAT
TRCN0000(	TRCN0000(	NM_02827	shRNA	pLKO.1	72542	Pgam5	mouse	3UTR	CCAACTTCTCAGCTCAATTAA
TRCN0000(	TRCN0000(	NM_02827	shRNA	pLKO_005	72542	Pgam5	mouse	CDS	CTGGAGAAGACGAGTTGACAT
TRCN0000(	TRCN0000(	NM_02827	shRNA	pLKO_005	72542	Pgam5	mouse	CDS	GCCTGGGATTAAAGTTTAATA
TRCN0000(	TRCN0000(	NM_17262	shRNA	pLKO_005	225467	Pggt1b	mouse	CDS	TGGTGAACAAAGACGATATAA
TRCN0000(	TRCN0000(	NM_17262	shRNA	pLKO_005	225467	Pggt1b	mouse	3UTR	GACTATATGTTTGTAGGTTAT
TRCN0000(	TRCN0000(	NM_17262	shRNA	pLKO_005	225467	Pggt1b	mouse	CDS	CACTGTGCCTGATGGGTAAAC
TRCN0000(	TRCN0000(	NM_17262	shRNA	pLKO_005	225467	Pggt1b	mouse	CDS	GCGCATCCTGCATTTGCTATA

TRCN0000(	TRCN0000(	NM_00884	shRNA	pLKO.1	18709	Pik3r2	mouse	CDS	CCTGTGTCCAAGTACCAACAA
TRCN0000(	TRCN0000(	NM_00884	shRNA	pLKO.1	18709	Pik3r2	mouse	CDS	CGACAGAGGAAGATCAACGAA
TRCN0000(	TRCN0000(	NM_00884	shRNA	pLKO.1	18709	Pik3r2	mouse	CDS	CGGGAACAACAAGTTGATCAA
TRCN0000(	TRCN0000(	NM_00884	shRNA	pLKO.1	18709	Pik3r2	mouse	CDS	ACCGCCTTGTATGATGCTGTT
TRCN0000(	TRCN0000(	NM_01964	shRNA	pLKO.1	18772	Pkp1	mouse	3UTR	GCCTCCTAGTTCCATATCTAA
TRCN0000(	TRCN0000(	NM_01964	shRNA	pLKO.1	18772	Pkp1	mouse	CDS	CGATAGGAATATGATGGGAAA
TRCN0000(	TRCN0000(	NM_01964	shRNA	pLKO.1	18772	Pkp1	mouse	CDS	GCAAGTGATGATGACCGTCAA
TRCN0000(	TRCN0000(	NM_01964	shRNA	pLKO.1	18772	Pkp1	mouse	CDS	CAATGGTATGAGTCAGTTAAT
TRCN0000(	TRCN0000(	NM_01964	shRNA	pLKO.1	18772	Pkp1	mouse	CDS	GCCGCCTATCTCCTGCAACAA
TRCN0000(	TRCN0000(	NM_18157	shRNA	pLKO.1	69693	Pof1b	mouse	CDS	CCCAGGAAACAATGTAATTTA
TRCN0000(	TRCN0000(	NM_18157	shRNA	pLKO.1	69693	Pof1b	mouse	CDS	CCCAATTAAACCAGTACCAAA
TRCN0000(	TRCN0000(	NM_18157	shRNA	pLKO.1	69693	Pof1b	mouse	CDS	CAAACGATTGTGATCGAGAAA
TRCN0000(	TRCN0000(	NM_18157	shRNA	pLKO.1	69693	Pof1b	mouse	CDS	GCTGATCTAAGTCGCAAGAAT
TRCN0000:	TRCN0000:	NM_18157	shRNA	pLKO.1	69693	Pof1b	mouse	CDS	GCTGTCCACGTTTAGCAACAT
TRCN0000(	TRCN0000(	NM_01115	shRNA	pLKO.1	19090	Prkdc	mouse	CDS	GCGACATATTATGGAAGAATT
TRCN0000(	TRCN0000(	NM_01115	shRNA	pLKO.1	19090	Prkdc	mouse	CDS	CCAGCCTTAGACCTTCTGATT
TRCN0000(	TRCN0000(	NM_01115	shRNA	pLKO.1	19090	Prkdc	mouse	CDS	CCACCCAACAACAATATGATT
TRCN0000(	TRCN0000(	NM_01115	shRNA	pLKO.1	19090	Prkdc	mouse	CDS	GCCATACAAATGTGGAATTAA
TRCN0000(	TRCN0000(	NM_01115	shRNA	pLKO.1	19090	Prkdc	mouse	CDS	GCTGCATACAACTGTGCCATT
TRCN0000:	TRCN0000:	NM_00798	shRNA	pLKO_005	14083	Ptk2	mouse	CDS	GCCTTAACAATGCGTCAGTTT
TRCN0000:	TRCN0000:	NM_00798	shRNA	pLKO_005	14083	Ptk2	mouse	CDS	CCTGGCATCTTTGATATTATA
TRCN0000:	TRCN0000:	NM_00798	shRNA	pLKO_005	14083	Ptk2	mouse	3UTR	TATCCAGACTGTGTTGCAATA
TRCN0000(	TRCN0000(	NM_02667	shRNA	pLKO.1	68328	Rab13	mouse	3UTR	GAGCATTTCTTGCCTCCTATT
TRCN0000(	TRCN0000(	NM_02667	shRNA	pLKO.1	68328	Rab13	mouse	CDS	GCCAAGAACGATTCAAGACAA
TRCN0000(	TRCN0000(	NM_02667	shRNA	pLKO.1	68328	Rab13	mouse	CDS	CCAAGAACGATTCAAGACAAT
TRCN0000(	TRCN0000(	NM_02667	shRNA	pLKO.1	68328	Rab13	mouse	CDS	CGAGAGCACAGAATCCGATTT
TRCN0000(	TRCN0000(	NM_02667	shRNA	pLKO.1	68328	Rab13	mouse	CDS	GATGAGAAATCCTTCGAGAAT
TRCN0000:	TRCN0000:	NM_02669	shRNA	pLKO_005	68365	Rab14	mouse	3UTR	CCTTTGATTGTCCTTGTGATA
TRCN0000:	TRCN0000:	NM_02669	shRNA	pLKO_005	68365	Rab14	mouse	CDS	CAGAGAGATGTTACCTATGAA
TRCN0000:	TRCN0000:	NM_02669	shRNA	pLKO_005	68365	Rab14	mouse	CDS	ACCAATCCAAACACTGTAATA
TRCN0000:	TRCN0000:	NM_02669	shRNA	pLKO_005	68365	Rab14	mouse	CDS	ATCACCAGAAGAAGTACATAT
TRCN0000(	TRCN0000(	NM_00899	shRNA	pLKO.1	19324	Rab1a	mouse	3UTR	GCCAGAAATTACAGGTTTATT
TRCN0000(	TRCN0000(	NM_00899	shRNA	pLKO.1	19324	Rab1a	mouse	CDS	GAAAGCTACATCAGCACAATT
TRCN0000(	TRCN0000(	NM_00899	shRNA	pLKO.1	19324	Rab1a	mouse	CDS	CGAACAATCACTTCCAGTTAT
TRCN0000(	TRCN0000(	NM_01689	shRNA	pLKO.1	53868	Rab25	mouse	3UTR	CCTGCCTTCAGCTTTCAGATA
TRCN0000(	TRCN0000(	NM_01689	shRNA	pLKO.1	53868	Rab25	mouse	CDS	CCTGGTATTTGACCTGACCAA
TRCN0000:	TRCN0000:	NM_01689	shRNA	pLKO_005	53868	Rab25	mouse	3UTR	ATATCTCCACCTCCCTTACTG
TRCN0000:	TRCN0000:	NM_01689	shRNA	pLKO_005	53868	Rab25	mouse	CDS	GCTGGCTAAAGGAGCTGTATG
TRCN0000(	TRCN0000(	NM_02363	shRNA	pLKO.1	11891	Rab27a	mouse	3UTR	GCCAGTTTAAGAGAAGTGTTT
TRCN0000(	TRCN0000(	NM_02363	shRNA	pLKO.1	11891	Rab27a	mouse	CDS	CGAAACTGGATAAGCCAGCTA
TRCN0000(	TRCN0000(	NM_02363	shRNA	pLKO.1	11891	Rab27a	mouse	CDS	GCTTCTGTTCGACCTGACAAA
TRCN0000(	TRCN0000(	NM_02363	shRNA	pLKO.1	11891	Rab27a	mouse	CDS	CCAGTACACTGATGGCAAGTT
TRCN0000(	TRCN0000(	NM_02363	shRNA	pLKO.1	11891	Rab27a	mouse	CDS	GACAAACATAAGCCACGCGAT
TRCN0000(	TRCN0000(	NM_03187	shRNA	pLKO.1	19340	Rab3d	mouse	3UTR	CGGTGCAAATTATGTTCTTAA
TRCN0000(	TRCN0000(	NM_03187	shRNA	pLKO.1	19340	Rab3d	mouse	CDS	CAAACTGCTCTTGATCGGGAA
TRCN0000(	TRCN0000(	NM_03187	shRNA	pLKO.1	19340	Rab3d	mouse	CDS	CATCATCTGTGACAAGATGAA
TRCN0000(	TRCN0000(	NM_03187	shRNA	pLKO.1	19340	Rab3d	mouse	CDS	CTACCGACATGACAAGAGGAT
TRCN0000(	TRCN0000(	NM_03187	shRNA	pLKO.1	19340	Rab3d	mouse	CDS	CCGACATGACAAGAGGATCAA
TRCN0000(	TRCN0000(	NM_02312	shRNA	pLKO.1	17274	Rab8a	mouse	3UTR	CCATGAAATGAATCTGTCTTT
TRCN0000(	TRCN0000(	NM_02312	shRNA	pLKO.1	17274	Rab8a	mouse	CDS	CGCCTTCAACTCCACATTCAT
TRCN0000(	TRCN0000(	NM_02312	shRNA	pLKO.1	17274	Rab8a	mouse	CDS	CGGAATTGGATTCGGAACATT
TRCN0000(	TRCN0000(	NM_02312	shRNA	pLKO.1	17274	Rab8a	mouse	CDS	CTACGACATTACCAATGAGAA
TRCN0000(	TRCN0000(	NM_02312	shRNA	pLKO.1	17274	Rab8a	mouse	CDS	CTCGATGGCAAGAGGATTAAA
TRCN0000:	TRCN0000:	NM_00900	shRNA	pLKO_005	19357	Rad21	mouse	CDS	TCATCGATGAGCCCATTATAG
TRCN0000:	TRCN0000:	NM_00900	shRNA	pLKO_005	19357	Rad21	mouse	3UTR	GCACCAGAAATTATGTGACTA
TRCN0000:	TRCN0000:	NM_00900	shRNA	pLKO_005	19357	Rad21	mouse	CDS	GCTTAGCGATTATTCTGATAT
TRCN0000:	TRCN0000:	NM_00900	shRNA	pLKO_005	19357	Rad21	mouse	CDS	TGCGTTGGAGCCCATTGATAT

TRCN0000	TRCN0000	NM_00901	shRNA	pLKO.1	19358	Rad23a	mouse	CDS	GAAGAACTTTGTGGTTGTCAT
TRCN0000	TRCN0000	NM_00901	shRNA	pLKO.1	19358	Rad23a	mouse	3UTR	CCCTAAGCTTTGATCCTCTAT
TRCN0000	TRCN0000	NM_00901	shRNA	pLKO.1	19358	Rad23a	mouse	CDS	CGATGTTCCCATCAAGGAATA
TRCN0000	TRCN0000	NM_00901	shRNA	pLKO.1	19358	Rad23a	mouse	CDS	GAATCCATTTCTGGCTCTGTT
TRCN0000	TRCN0000	NM_17870	shRNA	pLKO.1	231858	Radil	mouse	CDS	CACCCACTATAAGAGTGTCTT
TRCN0000	TRCN0000	NM_17870	shRNA	pLKO.1	231858	Radil	mouse	CDS	GAAGGAGATGCGATTCAGGAT
TRCN0000	TRCN0000	NM_00905	shRNA	pLKO.1	19730	Ralgds	mouse	CDS	GCCTGCAACAACTACAGCATT
TRCN0000	TRCN0000	NM_00905	shRNA	pLKO.1	19730	Ralgds	mouse	CDS	CGCCAATGTGTTCTATGCCAT
TRCN0000	TRCN0000	NM_00905	shRNA	pLKO.1	19730	Ralgds	mouse	CDS	GATGCAGAACTATTCAAGAAA
TRCN0000	TRCN0000	NM_00905	shRNA	pLKO.1	19730	Ralgds	mouse	CDS	CGGAAGAACACTTTGGAACAT
TRCN0000	TRCN0000	NM_00905	shRNA	pLKO.1	19730	Ralgds	mouse	CDS	GCACCTACAGAGCCTTCACTA
TRCN0000	TRCN0000	NM_14554	shRNA	pLKO.1	109905	Rap1a	mouse	CDS	GCCAAGGGTTTGCACTAGTTT
TRCN0000	TRCN0000	NM_14554	shRNA	pLKO.1	109905	Rap1a	mouse	CDS	GCTCAGTCTACGTTTAATGAT
TRCN0000	TRCN0000	NM_14554	shRNA	pLKO.1	109905	Rap1a	mouse	CDS	CAGTGGTGTAACTGTGCCTTT
TRCN0000	TRCN0000	NM_14554	shRNA	pLKO.1	109905	Rap1a	mouse	CDS	CCGAGCAATTTACAGCAATGA
TRCN0000	TRCN0000	NM_14554	shRNA	pLKO.1	109905	Rap1a	mouse	CDS	CGGGTAGTTGGCAAAGAACAA
TRCN0000	TRCN0000	NM_14554	shRNA	pLKO.1	229877	Rap1gds1	mouse	3UTR	CCTGCCTAATAAGATTTCTAA
TRCN0000	TRCN0000	NM_14554	shRNA	pLKO.1	229877	Rap1gds1	mouse	CDS	CCAGGAACGATGGAAATTGTA
TRCN0000	TRCN0000	NM_14554	shRNA	pLKO.1	229877	Rap1gds1	mouse	CDS	CGTTTGGTTGAATGGTGTGAA
TRCN0000	TRCN0000	NM_14554	shRNA	pLKO.1	229877	Rap1gds1	mouse	CDS	CTCAGAATAATGCAGAAACAA
TRCN0000	TRCN0000	NM_14554	shRNA	pLKO.1	229877	Rap1gds1	mouse	CDS	CATGTAATCATGCAGAATGAA
TRCN0000	TRCN0000	NM_01968	shRNA	pLKO.1	56508	Rapgef4	mouse	CDS	GCTGGGTCTTTGGATGTTAAA
TRCN0000	TRCN0000	NM_01968	shRNA	pLKO.1	56508	Rapgef4	mouse	CDS	GCCGAGCAAGTTTAAGAAGTT
TRCN0000	TRCN0000	NM_01968	shRNA	pLKO.1	56508	Rapgef4	mouse	CDS	GCTCCTTCATATTAAAGCCTT
TRCN0000	TRCN0000	NM_01968	shRNA	pLKO.1	56508	Rapgef4	mouse	CDS	CTCCTTCATATTAAAGCCTTA
TRCN0000	TRCN0000	NM_01968	shRNA	pLKO.1	56508	Rapgef4	mouse	CDS	GTGGTGCTGAAATCTAATGAT
TRCN0000	TRCN0000	NM_14545	shRNA	pLKO_005	218397	Rasa1	mouse	CDS	ATGATGGGAGGCCGCTATTAT
TRCN0000	TRCN0000	NM_14545	shRNA	pLKO_005	218397	Rasa1	mouse	CDS	GAAATCTGGAAGCTATCTTAT
TRCN0000	TRCN0000	NM_14545	shRNA	pLKO_005	218397	Rasa1	mouse	3UTR	CAGTATGCCCACCGTGGTAAT
TRCN0000	TRCN0000	NM_14545	shRNA	pLKO_005	218397	Rasa1	mouse	CDS	CTCAGACCTAATAGGTTATTA
TRCN0000	TRCN0000	NM_14521	shRNA	pLKO.1	75668	Rasl10a	mouse	3UTR	CCCAGCTAACTCCCAATCATT
TRCN0000	TRCN0000	NM_14521	shRNA	pLKO.1	75668	Rasl10a	mouse	CDS	CCCGACAGTTTCGATTATGTT
TRCN0000	TRCN0000	NM_14521	shRNA	pLKO.1	75668	Rasl10a	mouse	CDS	CGAGTGCTCAGCCAAATACAA
TRCN0000	TRCN0000	NM_14521	shRNA	pLKO.1	75668	Rasl10a	mouse	CDS	CCAATTCTTGTTTGGTGACTA
TRCN0000	TRCN0000	NM_14521	shRNA	pLKO.1	75668	Rasl10a	mouse	CDS	CGCCATCATCCGCCAATTCTT
TRCN0000	TRCN0000	NM_02776	shRNA	pLKO.1	71323	Rassf8	mouse	3UTR	GCAAAGCCTTTGTTTGTATTT
TRCN0000	TRCN0000	NM_02776	shRNA	pLKO.1	71323	Rassf8	mouse	CDS	CCCAGTAATCTTCGTATTCTA
TRCN0000	TRCN0000	NM_02776	shRNA	pLKO.1	71323	Rassf8	mouse	CDS	CAGGAGGTTGTAATAGCCTTA
TRCN0000	TRCN0000	NM_02776	shRNA	pLKO.1	71323	Rassf8	mouse	CDS	CCCGAATTCCTGAAAGAACTT
TRCN0000	TRCN0000	NM_02776	shRNA	pLKO.1	71323	Rassf8	mouse	CDS	GAGCTAGAGCAGTTGACCAAA
TRCN0000	TRCN0000	NM_00905	shRNA	pLKO.1	19732	Rgl2	mouse	3UTR	GCCACAATATTAGAGCAGAAA
TRCN0000	TRCN0000	NM_00905	shRNA	pLKO.1	19732	Rgl2	mouse	CDS	GTGTTATTAGTCGTGTCCTTA
TRCN0000	TRCN0000	NM_00905	shRNA	pLKO.1	19732	Rgl2	mouse	CDS	CCTCCGACCTAACTCTGATAT
TRCN0000	TRCN0000	NM_00905	shRNA	pLKO.1	19732	Rgl2	mouse	CDS	CCTAACTCTGATATCCAGCAA
TRCN0000	TRCN0000	NM_00905	shRNA	pLKO.1	19732	Rgl2	mouse	CDS	GATGCGGAACTGTTTCTTAAT
TRCN0000	TRCN0000	NM_02362	shRNA	pLKO.1	71746	Rgl3	mouse	3UTR	CTTGGATTCTACTACTATCAA
TRCN0000	TRCN0000	NM_02362	shRNA	pLKO.1	71746	Rgl3	mouse	CDS	GCGACGCATCAGCCTCACAAA
TRCN0000	TRCN0000	NM_02362	shRNA	pLKO.1	71746	Rgl3	mouse	CDS	GCGAAATCATCCTCAGGACTT
TRCN0000	TRCN0000	NM_02362	shRNA	pLKO.1	71746	Rgl3	mouse	CDS	CATCAACAATAACCACGGGAA
TRCN0000	TRCN0000	NM_17340	shRNA	pLKO_005	71729	Rgs12	mouse	CDS	AGGCAAGTCTAACTCTATTAA
TRCN0000	TRCN0000	NM_17340	shRNA	pLKO_005	71729	Rgs12	mouse	CDS	TGCCATGGTTGTGGGCTATTT
TRCN0000	TRCN0000	NM_17340	shRNA	pLKO.1	71729	Rgs12	mouse	CDS	GCTTTCGGAATGCAGAACCTT
TRCN0000	TRCN0000	NM_17340	shRNA	pLKO.1	71729	Rgs12	mouse	CDS	CCTTTGGAAGATCTAGGAGAT
TRCN0000	TRCN0000	NM_01956	shRNA	pLKO.1	56212	Rhog	mouse	3UTR	CCAAAGTTGTTGCTGCCTATT
TRCN0000	TRCN0000	NM_01956	shRNA	pLKO.1	56212	Rhog	mouse	CDS	CCACTGTGTTTGACAATTACA
TRCN0000	TRCN0000	NM_01956	shRNA	pLKO.1	56212	Rhog	mouse	CDS	CTGCTATACAACTAACGCCTT
TRCN0000	TRCN0000	NM_01956	shRNA	pLKO.1	56212	Rhog	mouse	CDS	GACGGCGTCAAGGAGGTGTTT

TRCN0000	TRCN0000	NM_02153	shRNA	pLKO_005	59040	Rhot1	mouse	CDS	GCTCAACTTCTTCCAGAGAAT
TRCN0000	TRCN0000	NM_02153	shRNA	pLKO_005	59040	Rhot1	mouse	CDS	CAACACACATTGTCGATTATT
TRCN0000	TRCN0000	NM_02153	shRNA	pLKO_005	59040	Rhot1	mouse	CDS	GATATCTCAGAGTCGGAATTT
TRCN0000	TRCN0000	NM_02153	shRNA	pLKO_005	59040	Rhot1	mouse	CDS	GATGATCATAAGTCCTATTAT
TRCN0000	TRCN0000	NM_13393	shRNA	pLKO.1	103963	Rpn1	mouse	3UTR	CCCATGAAGAATGTAGAATTA
TRCN0000	TRCN0000	NM_13393	shRNA	pLKO.1	103963	Rpn1	mouse	CDS	CGTCCTTGATTATGGGCCTTT
TRCN0000	TRCN0000	NM_13393	shRNA	pLKO.1	103963	Rpn1	mouse	CDS	CCAAGCTATGAATACCTCTAT
TRCN0000	TRCN0000	NM_13393	shRNA	pLKO.1	103963	Rpn1	mouse	CDS	GCACTGAAGATGCGGTTTGTA
TRCN0000	TRCN0000	NM_13393	shRNA	pLKO.1	103963	Rpn1	mouse	CDS	CGGGATGAGATTGGTAATGTT
TRCN0000	TRCN0000	NM_15358	shRNA	pLKO.1	73086	Rps6ka5	mouse	3UTR	CGAGGGAAAGTAAAGGGAATT
TRCN0000	TRCN0000	NM_15358	shRNA	pLKO.1	73086	Rps6ka5	mouse	CDS	GCGTGGAAGAATGTATCCCAA
TRCN0000	TRCN0000	NM_15358	shRNA	pLKO.1	73086	Rps6ka5	mouse	CDS	GCTTCATCTCATCTTAGATTA
TRCN0000	TRCN0000	NM_15358	shRNA	pLKO.1	73086	Rps6ka5	mouse	CDS	CCCAATATTGTGAAACTACAT
TRCN0000	TRCN0000	NM_15358	shRNA	pLKO.1	73086	Rps6ka5	mouse	CDS	CCATGCCTGAAATTGTGCTAT
TRCN0000	TRCN0000	NM_02584	shRNA	pLKO_005	66922	Rras2	mouse	CDS	GTGATGAGTTTCCCATGATTT
TRCN0000	TRCN0000	NM_02584	shRNA	pLKO_005	66922	Rras2	mouse	CDS	GTCCGGGTTATAAGGAAATTT
TRCN0000	TRCN0000	NM_02584	shRNA	pLKO_005	66922	Rras2	mouse	CDS	TAAGAGTCCCTTGAGGTTTAG
TRCN0000	TRCN0000	NM_02584	shRNA	pLKO_005	66922	Rras2	mouse	3UTR	GACCGATGATCACCGTGTTAG
TRCN0000	TRCN0000	NM_01092	shRNA	pLKO.1	18114	Rrp1	mouse	3UTR	GACGGAAGAAACTCTTGGTTT
TRCN0000	TRCN0000	NM_01092	shRNA	pLKO.1	18114	Rrp1	mouse	CDS	CGCCTCTACAAAGTGATCCAA
TRCN0000	TRCN0000	NM_01092	shRNA	pLKO.1	18114	Rrp1	mouse	CDS	CAGAGCATCTTTCAGACGATT
TRCN0000	TRCN0000	NM_01092	shRNA	pLKO.1	18114	Rrp1	mouse	CDS	TCAGAGCATCTTTCAGACGAT
TRCN0000	TRCN0000	NM_01092	shRNA	pLKO.1	18114	Rrp1	mouse	CDS	TCACTCCAGATGAACTGCTAA
TRCN0000	TRCN0000	NM_03023	shRNA	pLKO_005	78935	Saal1	mouse	CDS	GACAGCCTAATTCGGGTATTA
TRCN0000	TRCN0000	NM_03023	shRNA	pLKO_005	78935	Saal1	mouse	CDS	ATGTTTACATGCGCATCTTAC
TRCN0000	TRCN0000	NM_03023	shRNA	pLKO_005	78935	Saal1	mouse	3UTR	GTGGCGGATTTACCTTATATA
TRCN0000	TRCN0000	NM_03023	shRNA	pLKO_005	78935	Saal1	mouse	CDS	CAGTGGAAGACTTCGTTAAAG
TRCN0000	TRCN0000	NM_03023	shRNA	pLKO_005	78935	Saal1	mouse	CDS	GGCTTGTTTCCGGGAGATATG
TRCN0000	TRCN0000	NM_01134	shRNA	pLKO.1	20318	Sdf4	mouse	3UTR	GCCCAGGTTTATTAAAGATAT
TRCN0000	TRCN0000	NM_01134	shRNA	pLKO.1	20318	Sdf4	mouse	CDS	CCTCAAGTACAGTGAGTTCTT
TRCN0000	TRCN0000	NM_01134	shRNA	pLKO.1	20318	Sdf4	mouse	CDS	CACCTCAACAAGGACTTCCAT
TRCN0000	TRCN0000	NM_01134	shRNA	pLKO.1	20318	Sdf4	mouse	CDS	GCCAAGACATTGATGACAACT
TRCN0000	TRCN0000	NM_01134	shRNA	pLKO.1	20318	Sdf4	mouse	CDS	CATGCTCAAGTTCATGGTCAA
TRCN0000	TRCN0000	NM_02417	shRNA	pLKO_005	66212	Sec61b	mouse	CDS	AGATTGGGCTACATCCATCTG
TRCN0000	TRCN0000	NM_02417	shRNA	pLKO_005	66212	Sec61b	mouse	CDS	AGTGCTGGTGATGAGTCTTCT
TRCN0000	TRCN0000	NM_02417	shRNA	pLKO_005	66212	Sec61b	mouse	CDS	TGGCGATTCTACACGGAAGAT
TRCN0000	TRCN0000	NM_02417	shRNA	pLKO_005	66212	Sec61b	mouse	CDS	GATCCACTGTTCGGCAGAGAA
TRCN0000	TRCN0000	NM_02417	shRNA	pLKO_005	66212	Sec61b	mouse	CDS	GGCAAGTACACGCGATCATAG
TRCN0000	TRCN0000	NM_02360	shRNA	pLKO.1	71514	Sfpq	mouse	3UTR	CCACTTAAATTCTTGGCATTT
TRCN0000	TRCN0000	NM_02360	shRNA	pLKO.1	71514	Sfpq	mouse	CDS	CCAGTCATTGTGGAACCACTT
TRCN0000	TRCN0000	NM_02360	shRNA	pLKO.1	71514	Sfpq	mouse	CDS	GCCAGTTTGGTCCTATTGAAA
TRCN0000	TRCN0000	NM_02360	shRNA	pLKO.1	71514	Sfpq	mouse	CDS	CCAGGAAGAATTAAGGCGCAT
TRCN0000	TRCN0000	NM_02360	shRNA	pLKO.1	71514	Sfpq	mouse	CDS	AGAAGAAAGTTACAGCAGGAT
TRCN0000	TRCN0000	NM_01139	shRNA	pLKO.1	20516	Slc20a2	mouse	CDS	CCCATCTCCAATGGTACATTT
TRCN0000	TRCN0000	NM_01139	shRNA	pLKO.1	20516	Slc20a2	mouse	CDS	CGGCGTGCTGTTCATACTAAT
TRCN0000	TRCN0000	NM_01139	shRNA	pLKO.1	20516	Slc20a2	mouse	CDS	GAGTTACACAAGAAGCTGCTA
TRCN0000	TRCN0000	NM_01139	shRNA	pLKO.1	20516	Slc20a2	mouse	3UTR	CCACAGCTCATCTTCCAGAAT
TRCN0000	TRCN0000	NM_01139	shRNA	pLKO.1	20516	Slc20a2	mouse	CDS	GCCACTTCTTTCTGGCTTCAT
TRCN0000	TRCN0000	NM_01582	shRNA	pLKO.1	50799	Slc25a13	mouse	CDS	CGGTTCCTAAATCCCGGATTA
TRCN0000	TRCN0000	NM_01582	shRNA	pLKO.1	50799	Slc25a13	mouse	CDS	CGCATGACCTTAGCAGACATT
TRCN0000	TRCN0000	NM_01582	shRNA	pLKO.1	50799	Slc25a13	mouse	CDS	GCGGTGGTTCTATGTCGATTT
TRCN0000	TRCN0000	NM_01582	shRNA	pLKO.1	50799	Slc25a13	mouse	CDS	GCTGAGCTTAAAGCAATATTT
TRCN0000	TRCN0000	NM_01582	shRNA	pLKO.1	50799	Slc25a13	mouse	CDS	CCTTAACAACATGGAACTCAT
TRCN0000	TRCN0000	NM_00101	shRNA	pLKO_005	384071	Slc25a34	mouse	CDS	TTGGGTACAGGATCGACAGTG
TRCN0000	TRCN0000	NM_00101	shRNA	pLKO_005	384071	Slc25a34	mouse	3UTR	TGGTTGGCCAAAGCTAGTTAT
TRCN0000	TRCN0000	NM_00101	shRNA	pLKO_005	384071	Slc25a34	mouse	CDS	GTGTCCGTTTCTACTGCTATA
TRCN0000	TRCN0000	NM_00101	shRNA	pLKO_005	384071	Slc25a34	mouse	CDS	GCTCAGACAGTGGCTACTATG

TRCN0000(	TRCN0000(	NM_00101	shRNA	pLKO_005	384071	Slc25a34	mouse	CDS	GGTGGCATGATCAGCAGTATA
TRCN0000(	TRCN0000(	NM_00745	shRNA	pLKO.1	11740	Slc25a5	mouse	3UTR	GCAACTATTTACCAGTTGAAA
TRCN0000(	TRCN0000(	NM_00745	shRNA	pLKO.1	11740	Slc25a5	mouse	CDS	GCTCTCAACTTTGCCTTCAAA
TRCN0000(	TRCN0000(	NM_00745	shRNA	pLKO.1	11740	Slc25a5	mouse	CDS	GCTGCCTACTTTGGTATCTAT
TRCN0000(	TRCN0000(	NM_00745	shRNA	pLKO.1	11740	Slc25a5	mouse	CDS	GCAAGCAAATCACGGCAGATA
TRCN0000(	TRCN0000(	NM_00745	shRNA	pLKO.1	11740	Slc25a5	mouse	CDS	GCCTTTGTGCTTGTCTTGTAT
TRCN0000(	TRCN0000(	NM_01971	shRNA	pLKO.1	24061	Smc1a	mouse	CDS	GCTTCAAATGCGGCTGAAGTA
TRCN0000(	TRCN0000(	NM_01101	shRNA	pLKO.1	18412	Sqstm1	mouse	CDS	GAGGTTGACATTGATGTGGAA
TRCN0000(	TRCN0000(	NM_01101	shRNA	pLKO_005	18412	Sqstm1	mouse	3UTR	TAGTACAACTGCTAGTTATTT
TRCN0000(	TRCN0000(	NM_01101	shRNA	pLKO_005	18412	Sqstm1	mouse	CDS	TGTGGTGGGAACTCGCTATAA
TRCN0000(	TRCN0000(	NM_01101	shRNA	pLKO_005	18412	Sqstm1	mouse	CDS	GTCTCTACAGATGCCAGAATC
TRCN0000(	TRCN0000(	NM_18299	shRNA	pLKO_005	20833	Ssrp1	mouse	CDS	GCAGAGGAGTTTGACAGCAAT
TRCN0000(	TRCN0000(	NM_18299	shRNA	pLKO_005	20833	Ssrp1	mouse	CDS	GCGTACATGCTGTGGCTTAAT
TRCN0000(	TRCN0000(	NM_18299	shRNA	pLKO_005	20833	Ssrp1	mouse	CDS	CCGTCAGGGTATCATCTTTAA
TRCN0000(	TRCN0000(	NM_18299	shRNA	pLKO_005	20833	Ssrp1	mouse	CDS	CCTACCTTTCTACACCTGCAT
TRCN0000(	TRCN0000(	NM_01149	shRNA	pLKO.1	20901	Strap	mouse	3UTR	GCCAACTTACAATCTCCATTT
TRCN0000(	TRCN0000(	NM_01149	shRNA	pLKO.1	20901	Strap	mouse	CDS	CGCATATATGACTTGAACAAA
TRCN0000(	TRCN0000(	NM_01149	shRNA	pLKO.1	20901	Strap	mouse	CDS	GCAAAGCCAAAGATCGGATTT
TRCN0000(	TRCN0000(	NM_01149	shRNA	pLKO.1	20901	Strap	mouse	CDS	GCAGTAAGTCTGGAGCCAATT
TRCN0000(	TRCN0000(	NM_01149	shRNA	pLKO.1	20901	Strap	mouse	CDS	GTAAGTCTGGAGCCAATTAAA
TRCN0000(	TRCN0000(	NM_01876	shRNA	pLKO.1	55943	Stx8	mouse	3UTR	CCCTGTCTTCTGTCAGTGATT
TRCN0000(	TRCN0000(	NM_01876	shRNA	pLKO.1	55943	Stx8	mouse	CDS	CGTGTCAGATAGCCCAAGAAA
TRCN0000(	TRCN0000(	NM_01876	shRNA	pLKO.1	55943	Stx8	mouse	CDS	GCTCCTGGCATCGTTTAAGAA
TRCN0000(	TRCN0000(	NM_01876	shRNA	pLKO.1	55943	Stx8	mouse	CDS	GAGAAGATTCAAGAACGAAAT
TRCN0000(	TRCN0000(	NM_01876	shRNA	pLKO.1	55943	Stx8	mouse	CDS	GTCAACTTCCTGTGGGATGAT
TRCN0000(	TRCN0000(	NM_01367	shRNA	pLKO.1	20924	Supt5	mouse	3UTR	CCAGGGCAATCACTCTGTATT
TRCN0000(	TRCN0000(	NM_01367	shRNA	pLKO.1	20924	Supt5	mouse	CDS	CCAGAGTAGAACTGCATTCTA
TRCN0000(	TRCN0000(	NM_01367	shRNA	pLKO_005	20924	Supt5	mouse	3UTR	CCAAGTGTGCAGTGCAGACAT
TRCN0000(	TRCN0000(	NM_01367	shRNA	pLKO_005	20924	Supt5	mouse	CDS	GCTGAGGAGGAATACGAATAT
TRCN0000(	TRCN0000(	NM_01367	shRNA	pLKO_005	20924	Supt5	mouse	CDS	CCCGGGATGTGACCAATTTAA
TRCN0000(	TRCN0000(	NM_00108	shRNA	pLKO_005	210789	Tbc1d4	mouse	CDS	CATGTCAGAAGGAGATCTTAA
TRCN0000(	TRCN0000(	NM_00108	shRNA	pLKO_005	210789	Tbc1d4	mouse	3UTR	TTCTAGGAAGTGCTGATTATT
TRCN0000(	TRCN0000(	NM_00108	shRNA	pLKO_005	210789	Tbc1d4	mouse	CDS	CTCACCTACTTTGCCTATTTG
TRCN0000(	TRCN0000(	NM_00108	shRNA	pLKO_005	210789	Tbc1d4	mouse	CDS	AGTGCCAAGACGCAGATTAAA
TRCN0000(	TRCN0000(	NM_00108	shRNA	pLKO_005	210789	Tbc1d4	mouse	CDS	ACGCCTATGAGGTAGAATATC
TRCN0000(	TRCN0000(	NM_02554	shRNA	pLKO.1	66411	Tbcb	mouse	CDS	GTCCGATATGATGAGCCGTTA
TRCN0000(	TRCN0000(	NM_02554	shRNA	pLKO.1	66411	Tbcb	mouse	CDS	GTGAATGGGAAACGCTACTTT
TRCN0000(	TRCN0000(	NM_02554	shRNA	pLKO.1	66411	Tbcb	mouse	CDS	CGCAGAGTTCAAGTGTAAACT
TRCN0000(	TRCN0000(	NM_02554	shRNA	pLKO.1	66411	Tbcb	mouse	CDS	GCAGAACACAGTTCGATCCTT
TRCN0000(	TRCN0000(	NM_02554	shRNA	pLKO.1	66411	Tbcb	mouse	CDS	TGTATGTAGGACTCACAGATT
TRCN0000(	TRCN0000(	NM_17833	shRNA	pLKO.1	70430	Tbce	mouse	3UTR	CCAACCGTAAGAGTTTAACGA
TRCN0000(	TRCN0000(	NM_17833	shRNA	pLKO.1	70430	Tbce	mouse	CDS	GCCACGAAGGTACTATGTATT
TRCN0000(	TRCN0000(	NM_17833	shRNA	pLKO.1	70430	Tbce	mouse	CDS	CCTTTGGAAATGAATGGAGAA
TRCN0000(	TRCN0000(	NM_17833	shRNA	pLKO.1	70430	Tbce	mouse	CDS	CCAACTCTAACTAGAACATTT
TRCN0000(	TRCN0000(	NM_17833	shRNA	pLKO.1	70430	Tbce	mouse	CDS	CTTTGGAAATGAATGGAGAAA
TRCN0000(	TRCN0000(	NM_17303	shRNA	pLKO.1	272589	Tbcel	mouse	CDS	GTCAGTAAGATTGTGTCAAAT
TRCN0000(	TRCN0000(	NM_17303	shRNA	pLKO.1	272589	Tbcel	mouse	CDS	GCCGAACTGAAGAAACAGCTA
TRCN0000(	TRCN0000(	NM_17303	shRNA	pLKO.1	272589	Tbcel	mouse	3UTR	GTTTGTATGTACGATAATTTC
TRCN0000(	TRCN0000(	NM_17303	shRNA	pLKO_005	272589	Tbcel	mouse	CDS	GCATGCTTCTCTACTACTTTG
TRCN0000(	TRCN0000(	NM_17303	shRNA	pLKO_005	272589	Tbcel	mouse	CDS	CGTGTCAGAACTCGATCTTTC
TRCN0000(	TRCN0000(	NM_17303	shRNA	pLKO_005	272589	Tbcel	mouse	3UTR	TATAGACGAGGACAGTTATTT
TRCN0000(	TRCN0000(	NM_01978	shRNA	pLKO_005	56480	Tbk1	mouse	CDS	GCTGGCCGAGAACAATCATAT
TRCN0000(	TRCN0000(	NM_01978	shRNA	pLKO_005	56480	Tbk1	mouse	3UTR	GGGAACAGAACCGCGGTTTAA
TRCN0000(	TRCN0000(	NM_01159	shRNA	pLKO_005	21856	Timm44	mouse	CDS	ATGGTTCAAGCTACCAGATAA
TRCN0000(	TRCN0000(	NM_01159	shRNA	pLKO_005	21856	Timm44	mouse	CDS	CAAAGATAACAACGTTGTATT
TRCN0000(	TRCN0000(	NM_01159	shRNA	pLKO_005	21856	Timm44	mouse	CDS	TTTGTCAGGCTTGCTAGATAA
TRCN0000(	TRCN0000(	NM_01159	shRNA	pLKO_005	21856	Timm44	mouse	CDS	CATCCTAGAGGCCATGATTTC

TRCN0000	TRCN0000	NM_01160	shRNA	pLKO_005	21894	Tln1	mouse	3UTR	CGCTCCAAGAGTATTATTAAT
TRCN0000	TRCN0000	NM_01160	shRNA	pLKO_005	21894	Tln1	mouse	CDS	TGGTGAAGACGATGCAATTTG
TRCN0000	TRCN0000	NM_01160	shRNA	pLKO_005	21894	Tln1	mouse	CDS	GCGCTCACTGGAACCATTAAC
TRCN0000	TRCN0000	NM_05308	shRNA	pLKO_005	69807	Trim32	mouse	CDS	GCCGCAAGGAAATTCTCCATT
TRCN0000	TRCN0000	NM_05308	shRNA	pLKO_005	69807	Trim32	mouse	CDS	CCCAAGTTTGTCACCTGTGAT
TRCN0000	TRCN0000	NM_05308	shRNA	pLKO_005	69807	Trim32	mouse	CDS	GCATTGATAGCTTCGTGCTAA
TRCN0000	TRCN0000	NM_05308	shRNA	pLKO_005	69807	Trim32	mouse	CDS	GCTAGAATGTCCCATCTGCAT
TRCN0000	TRCN0000	NM_05308	shRNA	pLKO_005	69807	Trim32	mouse	CDS	GCTATCATCTGAGAAGATATT
TRCN0000	TRCN0000	NM_01164	shRNA	pLKO.1	22059	Trp53	mouse	3UTR	CGAAATTCTATCCAGCCAGTT
TRCN0000	TRCN0000	NM_01164	shRNA	pLKO.1	22059	Trp53	mouse	CDS	CTACAAGAAGTCACAGCACAT
TRCN0000	TRCN0000	NM_01164	shRNA	pLKO.1	22059	Trp53	mouse	3UTR	CTACAATGAAATCTCACCCTA
TRCN0000	TRCN0000	NM_01164	shRNA	pLKO.1	22059	Trp53	mouse	CDS	CTCCAGAAGATATCCTGCCAT
TRCN0000	TRCN0000	NM_02626	shRNA	pLKO.1	67591	Ubl4b	mouse	CDS	GATGACAAATACCTCTCAGAT
TRCN0000	TRCN0000	NM_02626	shRNA	pLKO.1	67591	Ubl4b	mouse	3UTR	GCAGAATGATTCTAGCACCAT
TRCN0000	TRCN0000	NM_02626	shRNA	pLKO.1	67591	Ubl4b	mouse	3UTR	CCGTTAAGTAGCTGGAAGATA
TRCN0000	TRCN0000	NM_02626	shRNA	pLKO.1	67591	Ubl4b	mouse	CDS	GCCAGGTTCTAGACAAACATT
TRCN0000	TRCN0000	NM_02626	shRNA	pLKO.1	67591	Ubl4b	mouse	CDS	CAACGCTTCCATCAATGTCAT
TRCN0000	TRCN0000	NM_01879	shRNA	pLKO.1	54609	Ubqln2	mouse	3UTR	GCTAGGTATGTCTCACAATTT
TRCN0000	TRCN0000	NM_01879	shRNA	pLKO.1	54609	Ubqln2	mouse	CDS	CCTACTGAACAACCCAGATAT
TRCN0000	TRCN0000	NM_01879	shRNA	pLKO.1	54609	Ubqln2	mouse	CDS	GCAAACTTGCAGGCCCTAATA
TRCN0000	TRCN0000	NM_01879	shRNA	pLKO.1	54609	Ubqln2	mouse	CDS	CTACTGAACAACCCAGATATA
TRCN0000	TRCN0000	NM_01879	shRNA	pLKO.1	54609	Ubqln2	mouse	CDS	CCCAACCAGCAGTTCATTCAA
TRCN0000	TRCN0000	NM_00116	shRNA	pLKO_005	69116	Ubr4	mouse	CDS	GAGAGCTCTCCTCGGGTTAAA
TRCN0000	TRCN0000	NM_00116	shRNA	pLKO_005	69116	Ubr4	mouse	3UTR	TCTCTCCGTGTGCACTCATTT
TRCN0000	TRCN0000	NM_01093	shRNA	pLKO_005	18140	Uhrf1	mouse	CDS	CACACACTCTTCGATTATGAT
TRCN0000	TRCN0000	NM_01093	shRNA	pLKO_005	18140	Uhrf1	mouse	CDS	ATGGAGTGGACATTGTCAAAG
TRCN0000	TRCN0000	NM_01093	shRNA	pLKO_005	18140	Uhrf1	mouse	CDS	CTGTAGCTCCAGTGCCGTTAA
TRCN0000	TRCN0000	NM_01093	shRNA	pLKO_005	18140	Uhrf1	mouse	CDS	TCATGTACCATGTCAAGTATG
TRCN0000	TRCN0000	NM_14487	shRNA	pLKO.1	109113	Uhrf2	mouse	3UTR	CCTGGACAGTAACAAGTCTTA
TRCN0000	TRCN0000	NM_14487	shRNA	pLKO.1	109113	Uhrf2	mouse	CDS	CCAGACACTAACAAACATGAA
TRCN0000	TRCN0000	NM_14487	shRNA	pLKO.1	109113	Uhrf2	mouse	CDS	GCTGATGAAGACGTTATTTAT
TRCN0000	TRCN0000	NM_14487	shRNA	pLKO.1	109113	Uhrf2	mouse	CDS	GCAACAGATATGATGGCATTT
TRCN0000	TRCN0000	NM_14487	shRNA	pLKO.1	109113	Uhrf2	mouse	CDS	CGGAAGAGGAATACTGGTATT
TRCN0000	TRCN0000	NM_14562	shRNA	pLKO.1	236733	Usp11	mouse	CDS	GCAGAACCATAAACGACGAAA
TRCN0000	TRCN0000	NM_14562	shRNA	pLKO.1	236733	Usp11	mouse	CDS	GCCCTGATTGTGGCAATGTTT
TRCN0000	TRCN0000	NM_14562	shRNA	pLKO.1	236733	Usp11	mouse	CDS	GCAGCCTATGTCTTGTTCTAT
TRCN0000	TRCN0000	NM_14562	shRNA	pLKO.1	236733	Usp11	mouse	CDS	CCTACTATGGTCTGATACTTT
TRCN0000	TRCN0000	NM_14613	shRNA	pLKO.1	57257	Vav3	mouse	3UTR	CCAGCATTTCTCGTCTTAAAT
TRCN0000	TRCN0000	NM_14613	shRNA	pLKO.1	57257	Vav3	mouse	CDS	GAACTTATTAACAGGGTGAAT
TRCN0000	TRCN0000	NM_14613	shRNA	pLKO.1	57257	Vav3	mouse	CDS	CCATCCACATATGTGGAAGAA
TRCN0000	TRCN0000	NM_14613	shRNA	pLKO.1	57257	Vav3	mouse	CDS	CCATTCTCTCAAAGAAGGGTT
TRCN0000	TRCN0000	NM_14613	shRNA	pLKO.1	57257	Vav3	mouse	CDS	GTGTACCTAAACCAGTAGATT
TRCN0000	TRCN0000	NM_03139	shRNA	pLKO_005	83669	Wdr6	mouse	CDS	TGCCATGGTGGCTACCTATAC
TRCN0000	TRCN0000	NM_03139	shRNA	pLKO_005	83669	Wdr6	mouse	CDS	GACAATCGCTTTCGGTCTTAC
TRCN0000	TRCN0000	NM_03139	shRNA	pLKO_005	83669	Wdr6	mouse	CDS	CCCATAGCTGTGGCGTCAATA
TRCN0000	TRCN0000	NM_03139	shRNA	pLKO_005	83669	Wdr6	mouse	3UTR	ACCATAGTTCTCGCAAGTATT
TRCN0000	TRCN0000	NM_00103	shRNA	pLKO.1	103573	Xpo1	mouse	3UTR	CCCATTGTAAAGCAACTTCAA
TRCN0000	TRCN0000	NM_00103	shRNA	pLKO.1	103573	Xpo1	mouse	CDS	CCCAAGTTAAAGCAAAGCATT
TRCN0000	TRCN0000	NM_00103	shRNA	pLKO.1	103573	Xpo1	mouse	CDS	CGTGTTATCAAAGGTCCGTTT
TRCN0000	TRCN0000	NM_00103	shRNA	pLKO.1	103573	Xpo1	mouse	CDS	GCAGAACATGAACACGAAATA
TRCN0000	TRCN0000	NM_00103	shRNA	pLKO.1	103573	Xpo1	mouse	CDS	CCAGTTAACAACCAAATGTTT
TRCN0000	TRCN0000	NM_00108	shRNA	pLKO_005	73192	Xpot	mouse	CDS	CAGTATCTTCAACAAGAATAT
TRCN0000	TRCN0000	NM_00108	shRNA	pLKO_005	73192	Xpot	mouse	CDS	CTTCAGCAGCCTGATGCTAAA
TRCN0000	TRCN0000	NM_00108	shRNA	pLKO_005	73192	Xpot	mouse	CDS	TACAAGTTGCTCCAGAAATAA
TRCN0000	TRCN0000	NM_00108	shRNA	pLKO_005	73192	Xpot	mouse	CDS	GCAGATGCACAGACAGTATTG
TRCN0000	TRCN0000	NM_01173	shRNA	pLKO.1	22629	Ywhah	mouse	3UTR	CCTCCCTTCAGCTAATGGAAA
TRCN0000	TRCN0000	NM_01173	shRNA	pLKO.1	22629	Ywhah	mouse	CDS	GCGATCTTCTTGGAGGGTTAT

TRCN0000(	TRCN0000(	NM_01173	shRNA	pLKO.1	22629	Ywhah	mouse	CDS	GCTTGACAAGTTCCTTATCAA
TRCN0000(	TRCN0000(	NM_01173	shRNA	pLKO.1	22629	Ywhah	mouse	CDS	GCTGAATGAACCACTATCTAA
TRCN0000(	TRCN0000(	NM_01173	shRNA	pLKO.1	22629	Ywhah	mouse	CDS	GCCAAACAAGCCTTCGATGAT
TRCN0000(	TRCN0000(	NM_15354	shRNA	pLKO.1	215627	Zbtb8b	mouse	CDS	CGAGAATGTGATCGAAGTCAT
TRCN0000(	TRCN0000(	NM_15354	shRNA	pLKO.1	215627	Zbtb8b	mouse	CDS	GTCTAGACTGTACAATATCAT
TRCN0000(	TRCN0000(	NM_15354	shRNA	pLKO.1	215627	Zbtb8b	mouse	3UTR	GCAGACAAACACTGACACAAA
TRCN0000(	TRCN0000(	NM_15354	shRNA	pLKO.1	215627	Zbtb8b	mouse	CDS	CAGAGCAAAGATGACTTGGAT

Supplementary table 4: Results of RNAi screens in primary spheroids (3D) or adherent cells (2D). Results represented as Log2 fold change between endpoint (T2) and initial timepoint (T1).

TRCID	SYMBOL	screen	Condition	log2FC
TRCN0000012348	Chuk	effector	2D	0.20215188
TRCN0000012349	Chuk	effector	2D	0.122775308
TRCN0000012350	Chuk	effector	2D	-0.073588973
TRCN0000012351	Chuk	effector	2D	-0.095106022
TRCN0000012352	Chuk	effector	2D	-0.226983731
TRCN0000012358	Trp53	effector	2D	0.196726207
TRCN0000012362	Trp53	effector	2D	-0.496513703
TRCN0000025162	Map3k6	effector	2D	-0.106734566
TRCN0000025163	Map3k6	effector	2D	0.090290004
TRCN0000025334	Mink1	effector	2D	-0.201929474
TRCN0000025335	Mink1	effector	2D	-0.173175757
TRCN0000025336	Mink1	effector	2D	0.641441484
TRCN0000025337	Mink1	effector	2D	0.661373407
TRCN0000025338	Mink1	effector	2D	0.122912789
TRCN0000026867	Ikbkb	effector	2D	0.036561238
TRCN0000026891	Ikbkb	effector	2D	1.313134308
TRCN0000026894	Ikbkb	effector	2D	1.107412944
TRCN0000026913	Ikbkb	effector	2D	-0.593484422
TRCN0000026945	Ikbkb	effector	2D	0.638665713
TRCN0000030464	Nsfl1c	effector	2D	-0.034419711
TRCN0000030465	Nsfl1c	effector	2D	0.283197852
TRCN0000030466	Nsfl1c	effector	2D	-0.137976148
TRCN0000030467	Nsfl1c	effector	2D	-0.378287673
TRCN0000030468	Nsfl1c	effector	2D	-0.220336466
TRCN0000037207	Rgs12	effector	2D	-0.194521364
TRCN0000037208	Rgs12	effector	2D	-0.290493812
TRCN0000040623	Uhrf2	effector	2D	0.354577549
TRCN0000040624	Uhrf2	effector	2D	0.457633312
TRCN0000040625	Uhrf2	effector	2D	-0.084682228
TRCN0000040626	Uhrf2	effector	2D	0.153557487
TRCN0000040627	Uhrf2	effector	2D	0.069280125
TRCN0000054548	Trp53	effector	2D	0.467813356
TRCN0000054550	Trp53	effector	2D	-0.159025431
TRCN0000054728	Mapk1	effector	2D	0.125223562
TRCN0000054729	Mapk1	effector	2D	0.250764997
TRCN0000054730	Mapk1	effector	2D	-0.076369597
TRCN0000054731	Mapk1	effector	2D	-0.108651967
TRCN0000054732	Mapk1	effector	2D	-0.369909589
TRCN0000055073	Ralgds	effector	2D	0.401305192
TRCN0000055074	Ralgds	effector	2D	0.585211008
TRCN0000055075	Ralgds	effector	2D	0.389296956
TRCN0000055076	Ralgds	effector	2D	0.034917027
TRCN0000055077	Ralgds	effector	2D	1.251152662
TRCN0000068438	Slc20a2	effector	2D	0.556413974
TRCN0000068439	Slc20a2	effector	2D	0.017082884
TRCN0000068440	Slc20a2	effector	2D	-0.051376188
TRCN0000068441	Slc20a2	effector	2D	0.132266554
TRCN0000068442	Slc20a2	effector	2D	1.079193071
TRCN0000075813	Oas2	effector	2D	-0.588213837
TRCN0000075814	Oas2	effector	2D	0.113515513
TRCN0000075815	Oas2	effector	2D	-0.359026647
TRCN0000075816	Oas2	effector	2D	0.057392755
TRCN0000075817	Oas2	effector	2D	-0.021044923
TRCN0000076388	Ywhah	effector	2D	0.322173253
TRCN0000076389	Ywhah	effector	2D	-0.127210981
TRCN0000076390	Ywhah	effector	2D	-0.038974236
TRCN0000076391	Ywhah	effector	2D	0.314688484
TRCN0000076392	Ywhah	effector	2D	0.466381308
TRCN0000077728	Rhog	effector	2D	-0.216849562
TRCN0000077729	Rhog	effector	2D	0.143205265
TRCN0000077731	Rhog	effector	2D	0.121616045
TRCN0000077732	Rhog	effector	2D	-0.215437649
TRCN0000079078	Rps6ka5	effector	2D	-0.110956575
TRCN0000079079	Rps6ka5	effector	2D	0.016794045
TRCN0000079080	Rps6ka5	effector	2D	0.044003768
TRCN0000079081	Rps6ka5	effector	2D	-0.199277464
TRCN0000079082	Rps6ka5	effector	2D	-0.342212319
TRCN0000081028	Dusp13	effector	2D	-0.155847486
TRCN0000081029	Dusp13	effector	2D	-0.274225677
TRCN0000081030	Dusp13	effector	2D	0.090268818
TRCN0000081031	Dusp13	effector	2D	0.246353614
TRCN0000081032	Dusp13	effector	2D	0.089192053
TRCN0000089443	Rab3d	effector	2D	0.253345654
TRCN0000089444	Rab3d	effector	2D	-0.347887457
TRCN0000089445	Rab3d	effector	2D	2.240531567
TRCN0000089446	Rab3d	effector	2D	0.469042582
TRCN0000089447	Rab3d	effector	2D	0.716972445
TRCN0000089778	Tbcb	effector	2D	-0.299777188
TRCN0000089779	Tbcb	effector	2D	0.139146746

TRCN0000089780	Tbcb	effector	2D	0.238806459
TRCN0000089781	Tbcb	effector	2D	-0.015075406
TRCN0000089782	Tbcb	effector	2D	1.230770526
TRCN0000092093	Ubqln2	effector	2D	0.474546235
TRCN0000092094	Ubqln2	effector	2D	-0.175618289
TRCN0000092095	Ubqln2	effector	2D	-0.124813503
TRCN0000092096	Ubqln2	effector	2D	0.227719949
TRCN0000092097	Ubqln2	effector	2D	0.228557143
TRCN0000094889	Arhgap26	effector	2D	-0.122956106
TRCN0000094890	Arhgap26	effector	2D	-0.227976706
TRCN0000094891	Arhgap26	effector	2D	0.140181461
TRCN0000094892	Arhgap26	effector	2D	0.044085804
TRCN0000094893	Arhgap26	effector	2D	-0.58111282
TRCN0000097124	Vav3	effector	2D	-0.730424332
TRCN0000097125	Vav3	effector	2D	0.066897061
TRCN0000097126	Vav3	effector	2D	-0.166971666
TRCN0000097127	Vav3	effector	2D	-0.419171343
TRCN0000097128	Vav3	effector	2D	1.572727883
TRCN0000097190	Dvl2	effector	2D	0.022353679
TRCN0000097191	Dvl2	effector	2D	0.528000909
TRCN0000098619	Sqstm1	effector	2D	0.616277717
TRCN0000099152	Nfatc2ip	effector	2D	1.719325151
TRCN0000099153	Nfatc2ip	effector	2D	0.076025057
TRCN0000100250	Rab25	effector	2D	0.158594612
TRCN0000100251	Rab25	effector	2D	0.464897569
TRCN0000100420	Rab8a	effector	2D	0.36022348
TRCN0000100421	Rab8a	effector	2D	0.503902185
TRCN0000100422	Rab8a	effector	2D	-0.14397694
TRCN0000100423	Rab8a	effector	2D	1.571528263
TRCN0000100424	Rab8a	effector	2D	-0.755901219
TRCN0000100575	Rab27a	effector	2D	-0.000657596
TRCN0000100576	Rab27a	effector	2D	0.147013958
TRCN0000100577	Rab27a	effector	2D	0.127728893
TRCN0000100578	Rab27a	effector	2D	0.463693245
TRCN0000100579	Rab27a	effector	2D	0.227339265
TRCN0000100855	Rab13	effector	2D	-0.123494176
TRCN0000100856	Rab13	effector	2D	-0.075572278
TRCN0000100857	Rab13	effector	2D	-0.322169057
TRCN0000100858	Rab13	effector	2D	0.351514408
TRCN0000100859	Rab13	effector	2D	-0.287423211
TRCN0000100860	Rab1	effector	2D	0.026578238
TRCN0000106160	Arhgdia	effector	2D	-0.471740166
TRCN0000106161	Arhgdia	effector	2D	0.473801316
TRCN0000106162	Arhgdia	effector	2D	-0.197157722
TRCN0000106163	Arhgdia	effector	2D	0.20468938
TRCN0000106164	Arhgdia	effector	2D	1.72018118
TRCN0000106165	Ipo7	effector	2D	-0.027262032
TRCN0000106166	Ipo7	effector	2D	-0.30801835
TRCN0000106167	Ipo7	effector	2D	0.223994402
TRCN0000106168	Ipo7	effector	2D	0.176933002
TRCN0000106169	Ipo7	effector	2D	0.256759896
TRCN0000110000	Rapgef4	effector	2D	0.400995268
TRCN0000110001	Rapgef4	effector	2D	-0.480377473
TRCN0000110002	Rapgef4	effector	2D	-0.469148685
TRCN0000110003	Rapgef4	effector	2D	-0.144821337
TRCN0000110004	Rapgef4	effector	2D	0.304218621
TRCN0000110050	Arhgef1	effector	2D	0.022710631
TRCN0000110051	Arhgef1	effector	2D	-0.209286953
TRCN0000110052	Arhgef1	effector	2D	0.037269743
TRCN0000110053	Arhgef1	effector	2D	-0.009552203
TRCN0000110054	Arhgef1	effector	2D	0.063833014
TRCN0000110085	Rgl3	effector	2D	-0.041032172
TRCN0000110086	Rgl3	effector	2D	-0.103569735
TRCN0000110087	Rgl3	effector	2D	0.483818771
TRCN0000110088	Rgl3	effector	2D	-0.088924386
TRCN0000115451	Tbce	effector	2D	-0.154253999
TRCN0000115452	Tbce	effector	2D	0.818055906
TRCN0000115453	Tbce	effector	2D	-0.242122452
TRCN0000115454	Tbce	effector	2D	0.874416369
TRCN0000115455	Tbce	effector	2D	-0.047843845
TRCN0000121037	Rassf8	effector	2D	-0.347981551
TRCN0000121038	Rassf8	effector	2D	-0.141876683
TRCN0000121039	Rassf8	effector	2D	-0.270194493
TRCN0000121040	Rassf8	effector	2D	0.261837782
TRCN0000121041	Rassf8	effector	2D	0.155557495
TRCN0000126894	Higd2a	effector	2D	-0.026218925
TRCN0000126895	Higd2a	effector	2D	0.775490672
TRCN0000126896	Higd2a	effector	2D	0.123617597
TRCN0000126897	Higd2a	effector	2D	0.550640351
TRCN0000126898	Higd2a	effector	2D	0.077599067
TRCN0000173648	Zbtb8b	effector	2D	0.103758227

TRCN0000175051	Zbtb8b	effector	2D	0.349959492
TRCN0000175067	Ubl4b	effector	2D	0.708825971
TRCN0000175305	Rad23a	effector	2D	0.33340558
TRCN0000175719	Rad23a	effector	2D	0.756343718
TRCN0000175881	Ubl4b	effector	2D	0.328832848
TRCN0000176323	Ubl4b	effector	2D	0.544260435
TRCN0000176426	Rad23a	effector	2D	-0.188155898
TRCN0000176620	Mab21l2	effector	2D	-0.111179285
TRCN0000176922	Mab21l2	effector	2D	0.190618297
TRCN0000181372	Mab21l2	effector	2D	1.565409144
TRCN0000181814	Mab21l2	effector	2D	-0.002136636
TRCN0000181912	Mab21l2	effector	2D	0.069774401
TRCN0000189602	Faf2	effector	2D	0.109324559
TRCN0000189633	Faf2	effector	2D	0.367014377
TRCN0000189634	Faf2	effector	2D	0.236724279
TRCN0000189858	Tbcel	effector	2D	1.034056274
TRCN0000191032	Faf2	effector	2D	0.052662625
TRCN0000191263	Faf2	effector	2D	0.296740675
TRCN0000193497	Rad23a	effector	2D	0.016668005
TRCN0000193767	Ubl4b	effector	2D	-0.317396492
TRCN0000194160	Ubl4b	effector	2D	0.232197231
TRCN0000194376	Zbtb8b	effector	2D	-0.164570231
TRCN0000194543	Zbtb8b	effector	2D	0.379446654
TRCN0000201067	Radil	effector	2D	0.276865915
TRCN0000202494	Radil	effector	2D	0.305092389
TRCN0000216306	Tbcel	effector	2D	-0.296955686
TRCN0000216402	Tbcel	effector	2D	0.223528872
TRCN0000235991	Map3k3	effector	2D	-0.774248201
TRCN0000235992	Map3k3	effector	2D	0.522358712
TRCN0000235993	Map3k3	effector	2D	0.006775286
TRCN0000238133	Sqstm1	effector	2D	-0.533764372
TRCN0000238135	Sqstm1	effector	2D	0.173635129
TRCN0000238206	Rab25	effector	2D	-0.481163224
TRCN0000238207	Rab25	effector	2D	-0.429316682
TRCN0000241612	Tbc1d4	effector	2D	-0.161439698
TRCN0000241613	Tbc1d4	effector	2D	0.04436504
TRCN0000241614	Tbc1d4	effector	2D	-0.400587873
TRCN0000241615	Tbc1d4	effector	2D	-1.159751146
TRCN0000241616	Tbc1d4	effector	2D	0.248819897
TRCN0000251964	Tbcel	effector	2D	0.592656743
TRCN0000253281	Slc25a34	effector	2D	0.127573013
TRCN0000253282	Slc25a34	effector	2D	-0.399164313
TRCN0000253283	Slc25a34	effector	2D	-0.821489975
TRCN0000253284	Slc25a34	effector	2D	-0.293089838
TRCN0000253285	Slc25a34	effector	2D	0.895629744
TRCN0000257058	Sqstm1	effector	2D	-0.057894905
TRCN0000257242	Map3k3	effector	2D	-0.059759694
TRCN0000257269	Map3k3	effector	2D	-0.565274998
TRCN0000257562	Tbcel	effector	2D	0.120192452
TRCN0000257567	Tbcel	effector	2D	-0.561973361
TRCN0000100860	Rab1	effector	3D	-5.677756353
TRCN0000100862	Rab1	effector	2D	-0.377897573
TRCN0000100862	Rab1	effector	3D	-1.288389023
TRCN0000100863	Rab1	effector	2D	0.327355967
TRCN0000100863	Rab1	effector	3D	-4.111598479
TRCN0000274704	Tbk1	effector	2D	-0.589445782
TRCN0000274705	Tbk1	effector	2D	-0.884540275
TRCN0000287263	Tln1	effector	2D	-1.327653563
TRCN0000294831	Tln1	effector	2D	0.172383744
TRCN0000294832	Tln1	effector	2D	0.24479753
TRCN0000302343	Uhrf1	effector	2D	-0.641864041
TRCN0000302357	Akt1	effector	2D	-0.520523773
TRCN0000304673	Uhrf1	effector	2D	-0.898780154
TRCN0000304683	Akt1	effector	2D	-0.417203784
TRCN0000304684	Akt1	effector	2D	-0.736397405
TRCN0000305108	Rgs12	effector	2D	-0.270592653
TRCN0000305163	Nfatc2ip	effector	2D	0.079953388
TRCN0000305172	Rgs12	effector	2D	-0.340467248
TRCN0000305815	Pdcd2	effector	2D	-0.933576586
TRCN0000306169	Rhot1	effector	2D	-0.39152154
TRCN0000306170	Rras2	effector	2D	-0.801999271
TRCN0000306372	Rab14	effector	2D	0.123893073
TRCN0000308909	Nfatc2ip	effector	2D	-0.512759817
TRCN0000311096	Uhrf1	effector	2D	-0.335371478
TRCN0000311102	Uhrf1	effector	2D	-0.510343759
TRCN0000311416	Pdcd2	effector	2D	-0.690596071
TRCN0000311476	Rhot1	effector	2D	-0.257516232
TRCN0000311478	Rras2	effector	2D	0.148655307
TRCN0000321753	Abl1	effector	2D	-0.175736694
TRCN0000321817	Abl1	effector	2D	-0.477576103
TRCN0000321819	Abl1	effector	2D	-0.042327949

TRCN0000321899	Ptk2	effector	2D	-0.004208691
TRCN0000321963	Ptk2	effector	2D	-0.244380074
TRCN0000322307	Rasa1	effector	2D	-0.062672451
TRCN0000322308	Rasa1	effector	2D	-0.498184761
TRCN0000322310	Rasa1	effector	2D	-0.738898294
TRCN0000322311	Rasa1	effector	2D	0.084705843
TRCN0000324446	Pdcd2	effector	2D	-0.736244067
TRCN0000326200	Rhot1	effector	2D	0.261811528
TRCN0000326201	Rras2	effector	2D	-0.73100648
TRCN0000329562	Dvl2	effector	2D	-0.078511894
TRCN0000329563	Dvl2	effector	2D	-0.269470241
TRCN0000329564	Dvl2	effector	2D	-0.307404063
TRCN0000332297	Rab14	effector	2D	0.334304107
TRCN0000332372	Rab14	effector	2D	-0.10821147
TRCN0000332373	Rab14	effector	2D	-0.361550011
TRCN0000337573	Rhot1	effector	2D	-0.565030446
TRCN0000339087	Map3k6	effector	2D	-0.666552864
TRCN0000339101	Myo9a	effector	2D	-0.516204945
TRCN0000339164	Myo9a	effector	2D	-0.611331713
TRCN0000339165	Myo9a	effector	2D	-0.181720358
TRCN0000339166	Myo9a	effector	2D	-0.535763205
TRCN0000339167	Myo9a	effector	2D	-1.200105218
TRCN0000340759	Appl1	effector	2D	-0.344536128
TRCN0000340817	Appl1	effector	2D	-0.255170862
TRCN0000340818	Appl1	effector	2D	0.35607742
TRCN0000346379	Nup205	effector	2D	2.621844112
TRCN0000346452	Nup205	effector	2D	1.936802381
TRCN0000350696	Ptk2	effector	2D	-0.73941628
TRCN0000351011	Map3k6	effector	2D	-0.616647731
TRCN0000352539	Appl1	effector	2D	-0.337813719
TRCN0000354089	Rras2	effector	2D	-0.003770609
TRCN0000374364	Abl1	effector	2D	-0.597210577
TRCN0000012348	Chuk	effector	3D	-4.831844383
TRCN0000012349	Chuk	effector	3D	3.072060963
TRCN0000012350	Chuk	effector	3D	0.24207109
TRCN0000012351	Chuk	effector	3D	0.602500187
TRCN0000012352	Chuk	effector	3D	-1.559926991
TRCN0000012358	Trp53	effector	3D	-0.246788062
TRCN0000012362	Trp53	effector	3D	-2.94108817
TRCN0000025162	Map3k6	effector	3D	-0.652385776
TRCN0000025163	Map3k6	effector	3D	-1.248594817
TRCN0000025334	Mink1	effector	3D	1.265813252
TRCN0000025335	Mink1	effector	3D	-0.761582999
TRCN0000025336	Mink1	effector	3D	0.603734204
TRCN0000025337	Mink1	effector	3D	-2.465230668
TRCN0000025338	Mink1	effector	3D	-0.272202936
TRCN0000026867	Ikbkb	effector	3D	-0.935925935
TRCN0000026891	Ikbkb	effector	3D	0.566083516
TRCN0000026894	Ikbkb	effector	3D	-0.751055411
TRCN0000026913	Ikbkb	effector	3D	-2.194597568
TRCN0000026945	Ikbkb	effector	3D	-1.853780839
TRCN0000030464	Nsfl1c	effector	3D	-1.632612498
TRCN0000030465	Nsfl1c	effector	3D	-4.073090932
TRCN0000030466	Nsfl1c	effector	3D	2.301315593
TRCN0000030467	Nsfl1c	effector	3D	-1.193884975
TRCN0000030468	Nsfl1c	effector	3D	0.290639888
TRCN0000037207	Rgs12	effector	3D	1.348324579
TRCN0000037208	Rgs12	effector	3D	-0.640259193
TRCN0000040623	Uhrf2	effector	3D	0.301183968
TRCN0000040624	Uhrf2	effector	3D	-0.166969733
TRCN0000040625	Uhrf2	effector	3D	-0.344274665
TRCN0000040626	Uhrf2	effector	3D	-0.632447432
TRCN0000040627	Uhrf2	effector	3D	0.533377277
TRCN0000054548	Trp53	effector	3D	-1.2514312
TRCN0000054550	Trp53	effector	3D	-2.175992967
TRCN0000054728	Mapk1	effector	3D	-2.63726451
TRCN0000054729	Mapk1	effector	3D	-2.692578355
TRCN0000054730	Mapk1	effector	3D	-1.838592361
TRCN0000054731	Mapk1	effector	3D	0.580988708
TRCN0000054732	Mapk1	effector	3D	-1.769237046
TRCN0000055073	Ralgds	effector	3D	0.66737131
TRCN0000055074	Ralgds	effector	3D	-2.457601034
TRCN0000055075	Ralgds	effector	3D	-1.42917064
TRCN0000055076	Ralgds	effector	3D	-2.378827995
TRCN0000055077	Ralgds	effector	3D	-3.693870777
TRCN0000068438	Slc20a2	effector	3D	-1.783424018
TRCN0000068439	Slc20a2	effector	3D	0.993064507
TRCN0000068440	Slc20a2	effector	3D	-2.575274268
TRCN0000068441	Slc20a2	effector	3D	-3.125405274
TRCN0000068442	Slc20a2	effector	3D	-0.174522758
TRCN0000075813	Oas2	effector	3D	-2.909752167

TRCN0000075814	Oas2	effector	3D	-0.664384435
TRCN0000075815	Oas2	effector	3D	0.08991018
TRCN0000075816	Oas2	effector	3D	-1.664778229
TRCN0000075817	Oas2	effector	3D	0.052657662
TRCN0000076388	Ywhah	effector	3D	1.365090239
TRCN0000076389	Ywhah	effector	3D	1.39376646
TRCN0000076390	Ywhah	effector	3D	-2.135187014
TRCN0000076391	Ywhah	effector	3D	0.547299682
TRCN0000076392	Ywhah	effector	3D	0.425413833
TRCN0000077728	Rhog	effector	3D	-0.539932525
TRCN0000077729	Rhog	effector	3D	0.832148345
TRCN0000077731	Rhog	effector	3D	-2.347000095
TRCN0000077732	Rhog	effector	3D	0.981511763
TRCN0000079078	Rps6ka5	effector	3D	2.694897099
TRCN0000079079	Rps6ka5	effector	3D	0.776439512
TRCN0000079080	Rps6ka5	effector	3D	1.179946506
TRCN0000079081	Rps6ka5	effector	3D	0.031750672
TRCN0000079082	Rps6ka5	effector	3D	0.781626689
TRCN0000081028	Dusp13	effector	3D	1.913212748
TRCN0000081029	Dusp13	effector	3D	-1.223109026
TRCN0000081030	Dusp13	effector	3D	1.91241186
TRCN0000081031	Dusp13	effector	3D	-0.678633653
TRCN0000081032	Dusp13	effector	3D	-1.558073808
TRCN0000089443	Rab3d	effector	3D	-2.010919266
TRCN0000089444	Rab3d	effector	3D	0.441410655
TRCN0000089445	Rab3d	effector	3D	-2.471933924
TRCN0000089446	Rab3d	effector	3D	-0.757659338
TRCN0000089447	Rab3d	effector	3D	-2.419025473
TRCN0000089778	Tbcb	effector	3D	-0.447446098
TRCN0000089779	Tbcb	effector	3D	0.479059706
TRCN0000089780	Tbcb	effector	3D	-1.037075572
TRCN0000089781	Tbcb	effector	3D	0.009902073
TRCN0000089782	Tbcb	effector	3D	-1.094728004
TRCN0000092093	Ubqln2	effector	3D	-0.554676697
TRCN0000092094	Ubqln2	effector	3D	2.107362714
TRCN0000092095	Ubqln2	effector	3D	-2.32104526
TRCN0000092096	Ubqln2	effector	3D	0.749912706
TRCN0000092097	Ubqln2	effector	3D	-0.246856993
TRCN0000094889	Arhgap26	effector	3D	-1.682266899
TRCN0000094890	Arhgap26	effector	3D	-0.298726367
TRCN0000094891	Arhgap26	effector	3D	-1.743166814
TRCN0000094892	Arhgap26	effector	3D	0.327493638
TRCN0000094893	Arhgap26	effector	3D	-0.151283625
TRCN0000097124	Vav3	effector	3D	0.147196325
TRCN0000097125	Vav3	effector	3D	0.565059495
TRCN0000097126	Vav3	effector	3D	-0.349666413
TRCN0000097127	Vav3	effector	3D	-0.230578556
TRCN0000097128	Vav3	effector	3D	-2.307644637
TRCN0000097190	Dvl2	effector	3D	0.42868882
TRCN0000097191	Dvl2	effector	3D	0.195598642
TRCN0000098619	Sqstm1	effector	3D	-1.169756325
TRCN0000099152	Nfatc2ip	effector	3D	-1.447382757
TRCN0000099153	Nfatc2ip	effector	3D	-1.150774501
TRCN0000100250	Rab25	effector	3D	0.534378923
TRCN0000100251	Rab25	effector	3D	2.440393694
TRCN0000100420	Rab8a	effector	3D	-0.906927066
TRCN0000100421	Rab8a	effector	3D	0.242233725
TRCN0000100422	Rab8a	effector	3D	0.150863803
TRCN0000100423	Rab8a	effector	3D	-1.627173286
TRCN0000100424	Rab8a	effector	3D	-1.519535638
TRCN0000100575	Rab27a	effector	3D	-5.368392473
TRCN0000100576	Rab27a	effector	3D	-0.452437083
TRCN0000100577	Rab27a	effector	3D	-3.133954153
TRCN0000100578	Rab27a	effector	3D	-2.171175797
TRCN0000100579	Rab27a	effector	3D	-0.560203483
TRCN0000100855	Rab13	effector	3D	-0.355017756
TRCN0000100856	Rab13	effector	3D	0.444390341
TRCN0000100857	Rab13	effector	3D	1.660594601
TRCN0000100858	Rab13	effector	3D	-2.193070067
TRCN0000100859	Rab13	effector	3D	-0.868179739
TRCN0000106160	Arhgdia	effector	3D	-6.891068276
TRCN0000106161	Arhgdia	effector	3D	1.676963302
TRCN0000106162	Arhgdia	effector	3D	-2.20585754
TRCN0000106163	Arhgdia	effector	3D	0.375392777
TRCN0000106164	Arhgdia	effector	3D	-1.19075846
TRCN0000106165	Ipo7	effector	3D	0.893413618
TRCN0000106166	Ipo7	effector	3D	-0.184938213
TRCN0000106167	Ipo7	effector	3D	1.519367175
TRCN0000106168	Ipo7	effector	3D	-3.53253248
TRCN0000106169	Ipo7	effector	3D	1.641646193
TRCN0000110000	Rapgef4	effector	3D	-2.217072637

TRCN0000110001	Rapgef4	effector	3D	1.021725858
TRCN0000110002	Rapgef4	effector	3D	-2.667726332
TRCN0000110003	Rapgef4	effector	3D	-1.544994104
TRCN0000110004	Rapgef4	effector	3D	-1.553449956
TRCN0000110050	Arhgef1	effector	3D	-3.466555915
TRCN0000110051	Arhgef1	effector	3D	-0.753742159
TRCN0000110052	Arhgef1	effector	3D	0.071989875
TRCN0000110053	Arhgef1	effector	3D	1.001607132
TRCN0000110054	Arhgef1	effector	3D	-1.166907364
TRCN0000110085	Rgl3	effector	3D	-1.924698162
TRCN0000110086	Rgl3	effector	3D	0.304232578
TRCN0000110087	Rgl3	effector	3D	0.949667525
TRCN0000110088	Rgl3	effector	3D	1.370781268
TRCN0000115451	Tbce	effector	3D	-0.624966701
TRCN0000115452	Tbce	effector	3D	3.136037349
TRCN0000115453	Tbce	effector	3D	0.026196731
TRCN0000115454	Tbce	effector	3D	1.846797316
TRCN0000115455	Tbce	effector	3D	-0.061287606
TRCN0000121037	Rassf8	effector	3D	-0.634442856
TRCN0000121038	Rassf8	effector	3D	-0.305096491
TRCN0000121039	Rassf8	effector	3D	-2.111200893
TRCN0000121040	Rassf8	effector	3D	-1.210170427
TRCN0000121041	Rassf8	effector	3D	1.694021254
TRCN0000126894	Higd2a	effector	3D	-3.644894545
TRCN0000126895	Higd2a	effector	3D	-1.604651781
TRCN0000126896	Higd2a	effector	3D	-2.462394925
TRCN0000126897	Higd2a	effector	3D	-1.595596059
TRCN0000126898	Higd2a	effector	3D	-3.119587359
TRCN0000173648	Zbtb8b	effector	3D	-2.07081724
TRCN0000175051	Zbtb8b	effector	3D	-2.041230335
TRCN0000175067	Ubl4b	effector	3D	-1.6078688
TRCN0000175305	Rad23a	effector	3D	1.59130258
TRCN0000175719	Rad23a	effector	3D	-1.648404666
TRCN0000175881	Ubl4b	effector	3D	1.018183734
TRCN0000176323	Ubl4b	effector	3D	-1.488967524
TRCN0000176426	Rad23a	effector	3D	-1.757734825
TRCN0000176620	Mab21l2	effector	3D	-1.369935682
TRCN0000176922	Mab21l2	effector	3D	-2.607927707
TRCN0000181372	Mab21l2	effector	3D	-1.80370224
TRCN0000181814	Mab21l2	effector	3D	-2.282172218
TRCN0000181912	Mab21l2	effector	3D	-2.969342892
TRCN0000189602	Faf2	effector	3D	-1.910857603
TRCN0000189633	Faf2	effector	3D	-1.050228448
TRCN0000189634	Faf2	effector	3D	0.033060222
TRCN0000189858	Tbcel	effector	3D	0.964969275
TRCN0000191032	Faf2	effector	3D	-1.423396464
TRCN0000191263	Faf2	effector	3D	-2.772802293
TRCN0000193497	Rad23a	effector	3D	-0.661192193
TRCN0000193767	Ubl4b	effector	3D	-2.546943087
TRCN0000194160	Ubl4b	effector	3D	3.052552953
TRCN0000194376	Zbtb8b	effector	3D	1.268483934
TRCN0000194543	Zbtb8b	effector	3D	-1.123559819
TRCN0000201067	Radil	effector	3D	-1.348412731
TRCN0000202494	Radil	effector	3D	-1.353832559
TRCN0000216306	Tbcel	effector	3D	-0.305839806
TRCN0000216402	Tbcel	effector	3D	1.19329091
TRCN0000235991	Map3k3	effector	3D	-0.134646102
TRCN0000235992	Map3k3	effector	3D	-2.961518439
TRCN0000235993	Map3k3	effector	3D	-2.841322298
TRCN0000238133	Sqstm1	effector	3D	-2.288519437
TRCN0000238135	Sqstm1	effector	3D	-3.531594244
TRCN0000238206	Rab25	effector	3D	-2.404301057
TRCN0000238207	Rab25	effector	3D	-3.429625261
TRCN0000241612	Tbc1d4	effector	3D	-1.378924362
TRCN0000241613	Tbc1d4	effector	3D	-5.337018419
TRCN0000241614	Tbc1d4	effector	3D	-1.762988734
TRCN0000241615	Tbc1d4	effector	3D	1.041442002
TRCN0000241616	Tbc1d4	effector	3D	-2.85097482
TRCN0000251964	Tbcel	effector	3D	-0.427665222
TRCN0000253281	Slc25a34	effector	3D	-0.91749437
TRCN0000253282	Slc25a34	effector	3D	3.024164052
TRCN0000253283	Slc25a34	effector	3D	-3.903184826
TRCN0000253284	Slc25a34	effector	3D	-0.429020664
TRCN0000253285	Slc25a34	effector	3D	-2.778605477
TRCN0000257058	Sqstm1	effector	3D	-2.887975079
TRCN0000257242	Map3k3	effector	3D	1.549516264
TRCN0000257269	Map3k3	effector	3D	0.570015177
TRCN0000257562	Tbcel	effector	3D	-2.917249237
TRCN0000257567	Tbcel	effector	3D	-2.552542166
TRCN0000274704	Tbk1	effector	3D	-3.487729758
TRCN0000274705	Tbk1	effector	3D	-0.596628094

TRCN0000287263	Tln1	effector	3D	-0.45783346
TRCN0000294831	Tln1	effector	3D	-3.993938101
TRCN0000294832	Tln1	effector	3D	-1.14739795
TRCN0000302343	Uhrf1	effector	3D	-3.641016645
TRCN0000302357	Akt1	effector	3D	-0.34887399
TRCN0000304673	Uhrf1	effector	3D	-4.120155127
TRCN0000304683	Akt1	effector	3D	0.348996764
TRCN0000304684	Akt1	effector	3D	-1.822165151
TRCN0000305108	Rgs12	effector	3D	-1.925504778
TRCN0000305163	Nfatc2ip	effector	3D	-1.994447659
TRCN0000305172	Rgs12	effector	3D	2.433287701
TRCN0000305815	Pdcd2	effector	3D	-1.601201439
TRCN0000306169	Rhot1	effector	3D	-3.407991061
TRCN0000306170	Rras2	effector	3D	0.196840488
TRCN0000306372	Rab14	effector	3D	0.019833067
TRCN0000308909	Nfatc2ip	effector	3D	-4.836483475
TRCN0000311096	Uhrf1	effector	3D	-1.784881247
TRCN0000311102	Uhrf1	effector	3D	-3.322476592
TRCN0000311416	Pdcd2	effector	3D	-1.919898804
TRCN0000311476	Rhot1	effector	3D	4.447423597
TRCN0000311478	Rras2	effector	3D	-0.516804362
TRCN0000321753	Abl1	effector	3D	-3.003246868
TRCN0000321817	Abl1	effector	3D	-2.514516461
TRCN0000321819	Abl1	effector	3D	-3.020919835
TRCN0000321899	Ptk2	effector	3D	-2.990312514
TRCN0000321963	Ptk2	effector	3D	-3.252418096
TRCN0000322307	Rasa1	effector	3D	-0.98442517
TRCN0000322308	Rasa1	effector	3D	-1.990216803
TRCN0000322310	Rasa1	effector	3D	-1.186488864
TRCN0000322311	Rasa1	effector	3D	-2.447934102
TRCN0000324446	Pdcd2	effector	3D	-3.184738136
TRCN0000326200	Rhot1	effector	3D	-4.061914614
TRCN0000326201	Rras2	effector	3D	-0.807640718
TRCN0000329562	Dvl2	effector	3D	-3.044054382
TRCN0000329563	Dvl2	effector	3D	-2.795640123
TRCN0000329564	Dvl2	effector	3D	-3.273212882
TRCN0000332297	Rab14	effector	3D	-1.275600921
TRCN0000332372	Rab14	effector	3D	-1.831516495
TRCN0000332373	Rab14	effector	3D	-3.24351777
TRCN0000337573	Rhot1	effector	3D	-2.55659059
TRCN0000339087	Map3k6	effector	3D	1.222822565
TRCN0000339101	Myo9a	effector	3D	-0.689531631
TRCN0000339164	Myo9a	effector	3D	0.390085871
TRCN0000339165	Myo9a	effector	3D	-4.437834941
TRCN0000339166	Myo9a	effector	3D	2.987799763
TRCN0000339167	Myo9a	effector	3D	-3.01170268
TRCN0000340759	Appl1	effector	3D	-1.362645288
TRCN0000340817	Appl1	effector	3D	1.058317645
TRCN0000340818	Appl1	effector	3D	-2.556171905
TRCN0000346379	Nup205	effector	3D	-3.209059769
TRCN0000346452	Nup205	effector	3D	-2.843732088
TRCN0000350696	Ptk2	effector	3D	-1.896660864
TRCN0000351011	Map3k6	effector	3D	0.282791739
TRCN0000352539	Appl1	effector	3D	0.950067874
TRCN0000354089	Rras2	effector	3D	-2.224186947
TRCN0000374364	Abl1	effector	3D	2.560455512
TRCN0000012358	Trp53	interactor	2D	-0.722329293
TRCN0000012362	Trp53	interactor	2D	-0.661823238
TRCN0000012378	Fkbp8	interactor	2D	1.758794741
TRCN0000012379	Fkbp8	interactor	2D	-0.886683798
TRCN0000012380	Fkbp8	interactor	2D	0.686032867
TRCN0000012381	Fkbp8	interactor	2D	1.100715379
TRCN0000012382	Fkbp8	interactor	2D	-0.646321348
TRCN0000012428	Atp2a2	interactor	2D	2.423832701
TRCN0000012429	Atp2a2	interactor	2D	0.148083365
TRCN0000012430	Atp2a2	interactor	2D	-0.057015467
TRCN0000012431	Atp2a2	interactor	2D	-0.07450226
TRCN0000012432	Atp2a2	interactor	2D	-0.118665455
TRCN0000012838	Mad2l1	interactor	2D	-0.69979779
TRCN0000012839	Mad2l1	interactor	2D	2.264228825
TRCN0000012840	Mad2l1	interactor	2D	-0.874215838
TRCN0000012841	Mad2l1	interactor	2D	0.438556646
TRCN0000012842	Mad2l1	interactor	2D	-0.270780359
TRCN0000023859	Prkdc	interactor	2D	0.614505327
TRCN0000023860	Prkdc	interactor	2D	0.866397251
TRCN0000023861	Prkdc	interactor	2D	0.380605782
TRCN0000023862	Prkdc	interactor	2D	0.287608681
TRCN0000023863	Prkdc	interactor	2D	1.39545984
TRCN0000025085	Pik3r2	interactor	2D	-0.182418778
TRCN0000025086	Pik3r2	interactor	2D	0.945193284
TRCN0000025087	Pik3r2	interactor	2D	-0.549442751

TRCN0000025088	Pik3r2	interactor	2D	1.342334756
TRCN0000030814	Usp11	interactor	2D	-0.486635064
TRCN0000030816	Usp11	interactor	2D	0.865006463
TRCN0000030817	Usp11	interactor	2D	0.529148404
TRCN0000030818	Usp11	interactor	2D	0.293646545
TRCN0000037104	Mlst8	interactor	2D	1.70031847
TRCN0000037105	Mlst8	interactor	2D	0.361646615
TRCN0000037108	Mlst8	interactor	2D	0.637246686
TRCN0000041403	Hsd17b12	interactor	2D	-0.440319182
TRCN0000041404	Hsd17b12	interactor	2D	-0.158116331
TRCN0000041405	Hsd17b12	interactor	2D	-1.164324263
TRCN0000041406	Hsd17b12	interactor	2D	-0.334296502
TRCN0000041407	Hsd17b12	interactor	2D	-0.397732984
TRCN0000054518	Nme2	interactor	2D	1.106678139
TRCN0000054519	Nme2	interactor	2D	1.463725773
TRCN0000054520	Nme2	interactor	2D	0.347906118
TRCN0000054521	Nme2	interactor	2D	0.642901211
TRCN0000054522	Nme2	interactor	2D	-0.011033631
TRCN0000054548	Trp53	interactor	2D	-0.566385693
TRCN0000054550	Trp53	interactor	2D	-1.171745614
TRCN0000054753	Slc25a5	interactor	2D	1.00892861
TRCN0000054754	Slc25a5	interactor	2D	-0.461296238
TRCN0000054755	Slc25a5	interactor	2D	0.469325114
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TRCN0000054757	Slc25a5	interactor	2D	-0.236983502
TRCN0000055268	Rap1a	interactor	2D	-0.23129545
TRCN0000055269	Rap1a	interactor	2D	0.513903368
TRCN0000055270	Rap1a	interactor	2D	0.331622909
TRCN0000055271	Rap1a	interactor	2D	1.016467116
TRCN0000055272	Rap1a	interactor	2D	0.446999084
TRCN0000069203	Slc25a13	interactor	2D	0.255240003
TRCN0000069204	Slc25a13	interactor	2D	-0.441310461
TRCN0000069205	Slc25a13	interactor	2D	0.0801302
TRCN0000069206	Slc25a13	interactor	2D	1.061128779
TRCN0000069207	Slc25a13	interactor	2D	-0.39879804
TRCN0000088833	Strap	interactor	2D	0.708822705
TRCN0000088834	Strap	interactor	2D	0.383379003
TRCN0000088835	Strap	interactor	2D	-0.277787865
TRCN0000088836	Strap	interactor	2D	-0.914755841
TRCN0000088837	Strap	interactor	2D	0.899771035
TRCN0000092758	Supt5h	interactor	2D	3.24868781
TRCN0000092758	Supt5h	interactor	3D	-2.094863324
TRCN0000094039	Rpn1	interactor	2D	-0.005066377
TRCN0000094040	Rpn1	interactor	2D	-0.337708829
TRCN0000094041	Rpn1	interactor	2D	-0.208440811
TRCN0000094042	Rpn1	interactor	2D	0.995804297
TRCN0000094043	Rpn1	interactor	2D	0.491661364
TRCN0000092759	Supt5h	interactor	2D	1.496944006
TRCN0000092759	Supt5h	interactor	3D	-1.570378158
TRCN0000100870	Stx8	interactor	2D	-0.380620715
TRCN0000100871	Stx8	interactor	2D	0.500122913
TRCN0000100872	Stx8	interactor	2D	0.157978535
TRCN0000100873	Stx8	interactor	2D	0.661921858
TRCN0000100874	Stx8	interactor	2D	1.458451027
TRCN0000101020	Hax1	interactor	2D	0.009732686
TRCN0000101021	Hax1	interactor	2D	-0.96258626
TRCN0000101022	Hax1	interactor	2D	0.453057518
TRCN0000101023	Hax1	interactor	2D	0.35314955
TRCN0000101024	Hax1	interactor	2D	0.408894454
TRCN0000102240	Sfpq	interactor	2D	-0.356172709
TRCN0000102241	Sfpq	interactor	2D	2.446738473
TRCN0000102242	Sfpq	interactor	2D	1.638595537
TRCN0000102243	Sfpq	interactor	2D	-0.370243229
TRCN0000102244	Sfpq	interactor	2D	-0.467407807
TRCN0000102670	Rasl10a	interactor	2D	0.078793895
TRCN0000102671	Rasl10a	interactor	2D	-0.375849025
TRCN0000102672	Rasl10a	interactor	2D	0.61735971
TRCN0000102673	Rasl10a	interactor	2D	-0.350586095
TRCN0000102674	Rasl10a	interactor	2D	-0.111212075
TRCN0000105790	Rap1gds1	interactor	2D	-0.499820873
TRCN0000105791	Rap1gds1	interactor	2D	1.062888516
TRCN0000105792	Rap1gds1	interactor	2D	0.147655967
TRCN0000105793	Rap1gds1	interactor	2D	-0.64748398
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TRCN0000105820	Irs4	interactor	2D	-0.478127618
TRCN0000105822	Irs4	interactor	2D	-0.599888222
TRCN0000105823	Irs4	interactor	2D	0.09618585
TRCN0000105824	Irs4	interactor	2D	-0.133045569
TRCN0000108492	Ogfr	interactor	2D	1.615280974
TRCN0000108493	Ogfr	interactor	2D	-0.124436591
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TRCN0000109034	Smc1a	interactor	2D	1.08757168
TRCN0000110135	Rgl2	interactor	2D	-0.11511984
TRCN0000110136	Rgl2	interactor	2D	0.988904783
TRCN0000110137	Rgl2	interactor	2D	-0.074490135
TRCN0000110138	Rgl2	interactor	2D	0.785858515
TRCN0000110139	Rgl2	interactor	2D	0.150746361
TRCN0000113195	Pdcd11	interactor	2D	-0.305551262
TRCN0000113196	Pdcd11	interactor	2D	-0.142270965
TRCN0000113197	Pdcd11	interactor	2D	0.037535602
TRCN0000113198	Pdcd11	interactor	2D	0.611046288
TRCN0000113199	Pdcd11	interactor	2D	-0.465439227
TRCN0000114821	Sdf4	interactor	2D	0.566324257
TRCN0000114822	Sdf4	interactor	2D	-0.351804578
TRCN0000114823	Sdf4	interactor	2D	0.010980681
TRCN0000114824	Sdf4	interactor	2D	-0.221964475
TRCN0000114825	Sdf4	interactor	2D	-0.515266384
TRCN0000123344	Pkp1	interactor	2D	-0.308439129
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TRCN0000123346	Pkp1	interactor	2D	-0.800117639
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TRCN0000126574	Xpo1	interactor	2D	0.42964835
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TRCN0000126576	Xpo1	interactor	2D	-0.734587143
TRCN0000126577	Xpo1	interactor	2D	0.106520167
TRCN0000126578	Xpo1	interactor	2D	0.975149398
TRCN0000174506	Cse1l	interactor	2D	2.592478317
TRCN0000174691	Cse1l	interactor	2D	8.098692761
TRCN0000174952	Cse1l	interactor	2D	3.222798905
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TRCN0000176293	Cse1l	interactor	2D	9.3030112
TRCN0000176629	Pgam5	interactor	2D	0.87324277
TRCN0000176773	Nop58	interactor	2D	-0.735651285
TRCN0000176800	Man1b1	interactor	2D	0.71061573
TRCN0000177756	Pof1b	interactor	2D	0.865698055
TRCN0000181316	Nop58	interactor	2D	0.588825255
TRCN0000182634	Man1b1	interactor	2D	0.945972365
TRCN0000190208	Fnta	interactor	2D	0.003241037
TRCN0000192669	Fnta	interactor	2D	2.780275819
TRCN0000192962	Fnta	interactor	2D	2.089522527
TRCN0000197520	Nop58	interactor	2D	5.630455442
TRCN0000197580	Man1b1	interactor	2D	-0.463874246
TRCN0000197581	Nop58	interactor	2D	-0.8572067
TRCN0000197655	Pof1b	interactor	2D	-0.263653721
TRCN0000197660	Pgam5	interactor	2D	-0.626758524
TRCN0000197925	Nop58	interactor	2D	0.714566169
TRCN0000198192	Pof1b	interactor	2D	0.125601131
TRCN0000198533	Pof1b	interactor	2D	-0.467823577
TRCN0000200285	Man1b1	interactor	2D	0.37964636
TRCN0000200401	Pof1b	interactor	2D	-0.639733448
TRCN0000202095	Fnta	interactor	2D	-0.229435965
TRCN0000219602	Man1b1	interactor	2D	0.315779013
TRCN0000243480	Wdr6	interactor	2D	-0.112313998
TRCN0000243481	Wdr6	interactor	2D	-0.130044888
TRCN0000243482	Wdr6	interactor	2D	0.813670723
TRCN0000243483	Wdr6	interactor	2D	0.66050108
TRCN0000248189	Mon2	interactor	2D	-0.690634419
TRCN0000248190	Mon2	interactor	2D	-0.153216697
TRCN0000248191	Mon2	interactor	2D	0.043965869
TRCN0000248192	Mon2	interactor	2D	0.40362733
TRCN0000251560	Xpot	interactor	2D	0.071171684
TRCN0000251561	Xpot	interactor	2D	0.539939907
TRCN0000251562	Xpot	interactor	2D	0.625127403
TRCN0000251564	Xpot	interactor	2D	1.301146429
TRCN0000254254	Saal1	interactor	2D	-0.283327356
TRCN0000254255	Saal1	interactor	2D	0.245208574
TRCN0000254256	Saal1	interactor	2D	0.66092593
TRCN0000265281	Pggt1b	interactor	2D	0.422694186
TRCN0000265307	Pggt1b	interactor	2D	0.433665121
TRCN0000265487	Saal1	interactor	2D	0.015803621
TRCN0000265497	Saal1	interactor	2D	-0.005466275
TRCN0000274698	Pfkp	interactor	2D	0.186372997
TRCN0000274699	Pfkp	interactor	2D	1.897738567
TRCN0000274701	Pfkp	interactor	2D	-0.109263971
TRCN0000274704	Tbk1	interactor	2D	-2.986448919
TRCN0000274705	Tbk1	interactor	2D	-3.655156852

TRCN0000274764	Pfkp	interactor	2D	2.273500383
TRCN0000274765	Pfkp	interactor	2D	0.170469301
TRCN0000276847	Rad21	interactor	2D	1.991522897
TRCN0000276904	Rad21	interactor	2D	3.120611939
TRCN0000276908	Rad21	interactor	2D	0.511553303
TRCN0000276909	Rad21	interactor	2D	0.380787202
TRCN0000277509	Fanci	interactor	2D	0.606696185
TRCN0000277511	Fanci	interactor	2D	-0.098087632
TRCN0000277582	Fanci	interactor	2D	0.143799816
TRCN0000277583	Fanci	interactor	2D	0.523742546
TRCN0000277585	Fanci	interactor	2D	-0.012373542
TRCN0000279544	Pgam5	interactor	2D	-0.008849873
TRCN0000287377	Pcna	interactor	2D	4.144865587
TRCN0000294805	Pcna	interactor	2D	0.5143264
TRCN0000294870	Pcna	interactor	2D	0.486885655
TRCN0000294871	Pcna	interactor	2D	-2.283413176
TRCN0000294872	Pcna	interactor	2D	1.016616762
TRCN0000297693	Pgam5	interactor	2D	0.192791013
TRCN0000301162	Ssrp1	interactor	2D	0.49895236
TRCN0000301237	Ssrp1	interactor	2D	0.453928854
TRCN0000301238	Ssrp1	interactor	2D	0.476311102
TRCN0000301240	Ssrp1	interactor	2D	0.738473803
TRCN0000302691	Ap2b1	interactor	2D	0.097607438
TRCN0000302759	Ap2b1	interactor	2D	0.114912441
TRCN0000270630	Gm14725	interactor	2D	0.624992898
TRCN0000304939	Ap2b1	interactor	2D	-1.3329853
TRCN0000305481	Hnrnpf	interactor	2D	1.802950488
TRCN0000305482	Hnrnpf	interactor	2D	0.733178257
TRCN0000305483	Hnrnpf	interactor	2D	2.727231368
TRCN0000305815	Pdcd2	interactor	2D	-3.244550802
TRCN0000309854	Hnrnpf	interactor	2D	0.710953216
TRCN0000311147	Sec61b	interactor	2D	0.638514349
TRCN0000311180	Ap2b1	interactor	2D	0.529726055
TRCN0000311416	Pdcd2	interactor	2D	-3.062962164
TRCN0000316494	Ogfr	interactor	2D	-0.360314116
TRCN0000316520	Sec61b	interactor	2D	0.806808743
TRCN0000316595	Sec61b	interactor	2D	0.143029848
TRCN0000316958	Trim32	interactor	2D	0.617615358
TRCN0000316959	Trim32	interactor	2D	-0.169275106
TRCN0000316960	Trim32	interactor	2D	1.480943043
TRCN0000316961	Trim32	interactor	2D	-0.503915825
TRCN0000317035	Trim32	interactor	2D	-0.09879617
TRCN0000322213	Map4k4	interactor	2D	0.091528752
TRCN0000322214	Map4k4	interactor	2D	1.581938279
TRCN0000322217	Map4k4	interactor	2D	0.277912168
TRCN0000322226	Map4k4	interactor	2D	-0.787368338
TRCN0000324446	Pdcd2	interactor	2D	-3.044997496
TRCN0000328273	Nup188	interactor	2D	0.417349675
TRCN0000328341	Nup188	interactor	2D	0.306899418
TRCN0000328342	Nup188	interactor	2D	1.377735377
TRCN0000328343	Nup188	interactor	2D	0.693467525
TRCN0000341872	Ubr4	interactor	2D	0.833691509
TRCN0000341874	Ubr4	interactor	2D	0.240495634
TRCN0000345832	Pggt1b	interactor	2D	0.513656426
TRCN0000345859	Pggt1b	interactor	2D	-0.298220537
TRCN0000346379	Nup205	interactor	2D	1.203375911
TRCN0000346452	Nup205	interactor	2D	-0.216700305
TRCN0000270630	Gm14725	interactor	3D	1.502135316
TRCN0000351669	Hnrnpf	interactor	2D	-0.185729305
TRCN0000366291	Timm44	interactor	2D	0.738838132
TRCN0000366292	Timm44	interactor	2D	1.457501269
TRCN0000366293	Timm44	interactor	2D	-0.369546044
TRCN0000366901	Mlst8	interactor	2D	0.908931277
TRCN0000366954	Mlst8	interactor	2D	1.106684484
TRCN0000270687	Gm14725	interactor	2D	-0.308959074
TRCN0000374827	Nup188	interactor	2D	1.814918466
TRCN0000374940	Timm44	interactor	2D	2.837725405
TRCN0000375317	Sec61b	interactor	2D	1.573990502
TRCN0000375368	Sec61b	interactor	2D	1.112648672
TRCN0000012358	Trp53	interactor	3D	-0.974181939
TRCN0000012362	Trp53	interactor	3D	-1.417098505
TRCN0000012378	Fkbp8	interactor	3D	-1.089581861
TRCN0000012379	Fkbp8	interactor	3D	1.709721575
TRCN0000012380	Fkbp8	interactor	3D	-0.9469291
TRCN0000012381	Fkbp8	interactor	3D	0.696691861
TRCN0000012382	Fkbp8	interactor	3D	0.053578483
TRCN0000012428	Atp2a2	interactor	3D	-1.24454452
TRCN0000012429	Atp2a2	interactor	3D	-1.499717714
TRCN0000012430	Atp2a2	interactor	3D	0.971228371
TRCN0000012431	Atp2a2	interactor	3D	0.090856039
TRCN0000012432	Atp2a2	interactor	3D	-1.657742347

TRCN0000012838	Mad2l1	interactor	3D	0.657022403
TRCN0000012839	Mad2l1	interactor	3D	-1.943854338
TRCN0000012840	Mad2l1	interactor	3D	-0.81165372
TRCN0000012841	Mad2l1	interactor	3D	-1.773992167
TRCN0000012842	Mad2l1	interactor	3D	-0.572666884
TRCN0000023859	Prkdc	interactor	3D	-0.968349441
TRCN0000023860	Prkdc	interactor	3D	-1.835679783
TRCN0000023861	Prkdc	interactor	3D	-1.438117625
TRCN0000023862	Prkdc	interactor	3D	1.459998745
TRCN0000023863	Prkdc	interactor	3D	-1.063969709
TRCN0000025085	Pik3r2	interactor	3D	-0.09264113
TRCN0000025086	Pik3r2	interactor	3D	-1.295592894
TRCN0000025087	Pik3r2	interactor	3D	-1.934383593
TRCN0000025088	Pik3r2	interactor	3D	-2.002539074
TRCN0000030814	Usp11	interactor	3D	-0.405235334
TRCN0000030816	Usp11	interactor	3D	-0.984034532
TRCN0000030817	Usp11	interactor	3D	-1.449444265
TRCN0000030818	Usp11	interactor	3D	-1.850325325
TRCN0000037104	Mlst8	interactor	3D	-1.544328011
TRCN0000037105	Mlst8	interactor	3D	0.333051026
TRCN0000037108	Mlst8	interactor	3D	2.087973375
TRCN0000041403	Hsd17b12	interactor	3D	-1.439244023
TRCN0000041404	Hsd17b12	interactor	3D	-0.555957008
TRCN0000041405	Hsd17b12	interactor	3D	-2.090650033
TRCN0000041406	Hsd17b12	interactor	3D	-1.085849082
TRCN0000041407	Hsd17b12	interactor	3D	-1.573461305
TRCN0000054518	Nme2	interactor	3D	-1.244472238
TRCN0000054519	Nme2	interactor	3D	-1.409327029
TRCN0000054520	Nme2	interactor	3D	0.052370159
TRCN0000054521	Nme2	interactor	3D	0.968701406
TRCN0000054522	Nme2	interactor	3D	0.925802506
TRCN0000054548	Trp53	interactor	3D	-1.290227623
TRCN0000054550	Trp53	interactor	3D	-0.19937499
TRCN0000054753	Slc25a5	interactor	3D	-1.462255517
TRCN0000054754	Slc25a5	interactor	3D	3.586949255
TRCN0000054755	Slc25a5	interactor	3D	-1.464839433
TRCN0000054756	Slc25a5	interactor	3D	-1.537649732
TRCN0000054757	Slc25a5	interactor	3D	-0.914224335
TRCN0000055268	Rap1a	interactor	3D	-0.147537053
TRCN0000055269	Rap1a	interactor	3D	-0.197395611
TRCN0000055270	Rap1a	interactor	3D	0.698165676
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TRCN0000055272	Rap1a	interactor	3D	-1.266351675
TRCN0000069203	Slc25a13	interactor	3D	1.027907011
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TRCN0000069206	Slc25a13	interactor	3D	-2.216076197
TRCN0000069207	Slc25a13	interactor	3D	-1.248097183
TRCN0000088833	Strap	interactor	3D	-1.776802523
TRCN0000088834	Strap	interactor	3D	-0.544342089
TRCN0000088835	Strap	interactor	3D	-0.601557731
TRCN0000088836	Strap	interactor	3D	-1.199494707
TRCN0000088837	Strap	interactor	3D	-1.51812037
TRCN0000270687	Gm14725	interactor	3D	1.032900912
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TRCN0000094039	Rpn1	interactor	3D	0.528154523
TRCN0000094040	Rpn1	interactor	3D	0.91852765
TRCN0000094041	Rpn1	interactor	3D	-0.12183928
TRCN0000094042	Rpn1	interactor	3D	-0.615760023
TRCN0000094043	Rpn1	interactor	3D	-0.801484361
TRCN0000270688	Gm14725	interactor	3D	0.964914822
TRCN0000270689	Gm14725	interactor	2D	0.715273266
TRCN0000270689	Gm14725	interactor	3D	0.355816556
TRCN0000100870	Stx8	interactor	3D	-1.247441158
TRCN0000100871	Stx8	interactor	3D	-0.853262357
TRCN0000100872	Stx8	interactor	3D	-0.858444107
TRCN0000100873	Stx8	interactor	3D	0.493878418
TRCN0000100874	Stx8	interactor	3D	-1.580538326
TRCN0000101020	Hax1	interactor	3D	1.486439049
TRCN0000101021	Hax1	interactor	3D	-1.422633986
TRCN0000101022	Hax1	interactor	3D	0.720305202
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TRCN0000102240	Sfpq	interactor	3D	-0.122826591
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TRCN0000102670	Rasl10a	interactor	3D	3.115920317
TRCN0000102671	Rasl10a	interactor	3D	-0.667046197
TRCN0000102672	Rasl10a	interactor	3D	-0.171611034

TRCN0000102673	Rasl10a	interactor	3D	-1.087498818
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TRCN0000105790	Rap1gds1	interactor	3D	-0.740693689
TRCN0000105791	Rap1gds1	interactor	3D	-1.661338697
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TRCN0000105820	Irs4	interactor	3D	-0.179675889
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TRCN0000108492	Ogfr	interactor	3D	-1.51021664
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TRCN0000109034	Smc1a	interactor	3D	-0.07432481
TRCN0000110135	Rgl2	interactor	3D	1.271029466
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TRCN0000110137	Rgl2	interactor	3D	-1.21651601
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TRCN0000113196	Pdcd11	interactor	3D	-0.469904399
TRCN0000113197	Pdcd11	interactor	3D	0.304232252
TRCN0000113198	Pdcd11	interactor	3D	-0.810117437
TRCN0000113199	Pdcd11	interactor	3D	-1.314486736
TRCN0000114821	Sdf4	interactor	3D	-1.08515993
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TRCN0000125214	Rrp1	interactor	3D	-1.763894152
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TRCN0000125216	Rrp1	interactor	3D	-0.499640152
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TRCN0000174952	Cse1l	interactor	3D	-1.329628039
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TRCN0000176293	Cse1l	interactor	3D	-1.232706125
TRCN0000176629	Pgam5	interactor	3D	-0.914924128
TRCN0000176773	Nop58	interactor	3D	-0.247220807
TRCN0000176800	Man1b1	interactor	3D	-6.484832511
TRCN0000177756	Pof1b	interactor	3D	-0.772984731
TRCN0000181316	Nop58	interactor	3D	-1.078294132
TRCN0000182634	Man1b1	interactor	3D	-3.472182784
TRCN0000190208	Fnta	interactor	3D	1.005777853
TRCN0000192669	Fnta	interactor	3D	-0.92018587
TRCN0000192962	Fnta	interactor	3D	-1.204199596
TRCN0000197520	Nop58	interactor	3D	-1.147154482
TRCN0000197580	Man1b1	interactor	3D	-0.458747733
TRCN0000197581	Nop58	interactor	3D	1.468641608
TRCN0000197655	Pof1b	interactor	3D	0.657152042
TRCN0000197660	Pgam5	interactor	3D	1.692714849
TRCN0000197925	Nop58	interactor	3D	-1.086484922
TRCN0000198192	Pof1b	interactor	3D	-0.450904667
TRCN0000198533	Pof1b	interactor	3D	0.034665346
TRCN0000200285	Man1b1	interactor	3D	-1.954749249
TRCN0000200401	Pof1b	interactor	3D	-0.701801358
TRCN0000202095	Fnta	interactor	3D	-1.204452094
TRCN0000219602	Man1b1	interactor	3D	-1.388936809
TRCN0000243480	Wdr6	interactor	3D	-0.273659259
TRCN0000243481	Wdr6	interactor	3D	-0.302899145
TRCN0000243482	Wdr6	interactor	3D	-0.771456614
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TRCN0000248189	Mon2	interactor	3D	1.455418689
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TRCN0000248192	Mon2	interactor	3D	-0.514881449
TRCN0000251560	Xpot	interactor	3D	0.200298474
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TRCN0000251562	Xpot	interactor	3D	0.484992181
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TRCN0000254254	Saal1	interactor	3D	0.91498902
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TRCN0000265487	Saal1	interactor	3D	0.200298474
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TRCN0000270690	Gm14725	interactor	2D	1.914104061
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TRCN0000348959	Supt5h	interactor	2D	0.081460431
TRCN0000274698	Pfkp	interactor	3D	1.746357985
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TRCN0000274701	Pfkp	interactor	3D	1.917096882
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TRCN0000274764	Pfkp	interactor	3D	-0.922062422
TRCN0000274765	Pfkp	interactor	3D	-0.317689198
TRCN0000276847	Rad21	interactor	3D	-1.803188418
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TRCN0000287377	Pcna	interactor	3D	-1.415904563
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TRCN0000294871	Pcna	interactor	3D	-1.799540416
TRCN0000294872	Pcna	interactor	3D	-0.93260794
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TRCN0000301162	Ssrp1	interactor	3D	-0.763364729
TRCN0000301237	Ssrp1	interactor	3D	1.961693452
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TRCN0000302691	Ap2b1	interactor	3D	-0.756332267
TRCN0000302759	Ap2b1	interactor	3D	-1.917034233
TRCN0000348959	Supt5h	interactor	3D	-0.692370213
TRCN0000304939	Ap2b1	interactor	3D	-1.876804248
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TRCN0000309854	Hnrnpf	interactor	3D	-0.595345042
TRCN0000311147	Sec61b	interactor	3D	-1.391592257
TRCN0000311180	Ap2b1	interactor	3D	-0.650259718
TRCN0000311416	Pdcd2	interactor	3D	0.040854385
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TRCN0000316520	Sec61b	interactor	3D	-1.048710894
TRCN0000316595	Sec61b	interactor	3D	-0.973162596
TRCN0000316958	Trim32	interactor	3D	-0.565534543
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TRCN0000316960	Trim32	interactor	3D	0.957137588
TRCN0000316961	Trim32	interactor	3D	-0.9391688
TRCN0000317035	Trim32	interactor	3D	-0.561836072
TRCN0000322213	Map4k4	interactor	3D	-2.388770678
TRCN0000322214	Map4k4	interactor	3D	-0.822311412
TRCN0000322217	Map4k4	interactor	3D	-2.118289793
TRCN0000322226	Map4k4	interactor	3D	0.136568938
TRCN0000324446	Pdcd2	interactor	3D	-2.382329509
TRCN0000328273	Nup188	interactor	3D	-1.025728769
TRCN0000328341	Nup188	interactor	3D	3.867817631
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TRCN0000328343	Nup188	interactor	3D	-1.231352786
TRCN0000341872	Ubr4	interactor	3D	-1.447340004
TRCN0000341874	Ubr4	interactor	3D	-0.564518628
TRCN0000345832	Pggt1b	interactor	3D	1.647669611
TRCN0000345859	Pggt1b	interactor	3D	-3.457531074
TRCN0000346379	Nup205	interactor	3D	-0.665066148
TRCN0000346452	Nup205	interactor	3D	-1.392741077
TRCN0000374424	Supt5h	interactor	2D	3.974269876
TRCN0000351669	Hnrnpf	interactor	3D	-1.325756508
TRCN0000366291	Timm44	interactor	3D	-2.410250194
TRCN0000366292	Timm44	interactor	3D	-1.202068131
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TRCN0000374424	Supt5h	interactor	3D	-1.091521239
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TRCN0000374940	Timm44	interactor	3D	-2.040267923
TRCN0000375317	Sec61b	interactor	3D	-0.770515641
TRCN0000375368	Sec61b	interactor	3D	-1.472713605

Supplementary table 5: Differential gene expression analysis between UHRF1-depleted cells (siUHRF1) and control cells (siNeg).

Symbol	geneID	logFC	AveExpr	t	P.Value	adj.P.Val	B	A549.siNe	A549.siNe	A549.siNe	A549.siKR	A549.siKR	A549.siKR	A549.siUH	A549.siUH	A549.siUH	H358.siNe	H358.siNe	H358.siNe	H358.siKR	H358.siKR	H358.siKR	H358.siUH	H358.siUH	H358.siUHRF1.3
TSPAN6	ENSG0000	-0.04518	6.263401	-0.55081	0.588737	0.693522	-7.25905	5.496078	5.564777	5.472309	6.105344	5.896744	6.033699	5.729647	5.80423	5.828013	6.658034	6.698259	6.649702	7.282489	7.313241	7.270374	6.393148	6.442973	6.477211
DPM1	ENSG0000	-0.19979	6.331709	-2.97552	0.008298	0.025046	-3.66781	6.579898	6.541767	6.505617	5.790912	5.797458	5.804577	6.247331	6.273954	6.152831	6.568148	6.61638	6.705318	6.321126	6.455213	6.350875	6.560905	6.488751	6.547417
SCYL3	ENSG0000	-0.29971	4.479283	-5.10827	8.03E-05	0.000639	1.252522	4.461995	4.538284	4.43574	4.464421	4.360275	4.518705	4.31208	4.265167	4.252911	4.707004	4.905185	4.687318	4.895737	4.824228	4.888167	4.394709	4.442079	4.461559
C1orf112	ENSG0000	-0.13282	3.982995	-1.08527	0.292546	0.4112	-6.46298	3.895419	3.928996	3.955676	3.633621	3.574682	3.655458	3.904396	4.184903	4.00079	4.832603	4.827642	4.885889	3.551365	3.428092	3.429496	4.595365	4.504286	4.646745
CFH	ENSG0000	0.026071	7.266688	0.24024	0.812939	0.871693	-7.45475	6.629166	6.632773	6.658412	8.269936	8.21757	8.304883	7.023954	7.14988	7.032107	6.995878	7.094988	7.012753	7.949015	7.971181	7.943872	6.640993	6.808757	6.65333
FUCA2	ENSG0000	0.357304	6.453442	2.997464	0.007915	0.024078	-3.57779	6.429698	6.540462	6.491655	7.518782	7.521162	7.446607	6.802362	7.000265	6.987354	5.8117	5.798468	5.902963	6.034731	5.921708	6.033424	6.136844	6.051838	6.06165
GCLC	ENSG0000	-0.50501	7.203774	-8.63491	1.02E-07	3.67E-06	7.706028	7.564631	7.71446	7.661344	6.354972	6.3444	6.360147	7.332305	7.288631	7.206466	7.920734	7.862095	7.950579	6.721082	6.877487	6.797917	7.31633	7.272966	7.315162
NFYA	ENSG0000	-0.2762	5.646267	-5.21898	6.36E-05	0.000529	1.289889	5.899743	5.875476	5.8172	5.565938	5.539998	5.694423	5.490461	5.564476	5.466856	5.93795	5.8294	5.945268	5.517738	5.455925	5.473701	5.64029	5.764723	5.687573
STPG1	ENSG0000	0.110772	3.398605	1.091188	0.290005	0.408277	-6.2177	3.408783	3.335139	3.029452	3.647423	3.588725	3.655458	3.632324	3.335526	3.808383	3.629659	3.5985	3.613714	3.663745	3.520297	3.517722	3.6717	3.546022	3.421736
NIPAL3	ENSG0000	-0.45132	5.724502	-5.13588	7.58E-05	0.00061	1.081708	5.406168	5.355074	5.27123	5.272812	5.326156	5.280077	5.347317	5.327507	5.274297	6.661699	6.581374	6.628807	5.999094	6.050991	6.000398	5.926779	5.945351	5.915037
LAS1L	ENSG0000	-0.15764	6.172232	-2.58711	0.018894	0.048098	-4.40424	6.869957	6.78051	6.792012	6.352868	6.256968	6.326315	6.434968	6.522796	6.466555	5.931893	5.861181	5.945268	5.706336	5.62404	5.782968	5.906981	5.906389	6.015662
ENPP4	ENSG0000	0.067674	3.407344	0.687777	0.500619	0.617558	-6.77857	2.245129	2.332462	2.351095	2.359902	2.366112	2.258349	2.576877	2.357042	2.643847	4.634266	4.514003	4.48516	5.311659	5.206274	5.28547	4.442647	4.592839	4.72199
SEMA3F	ENSG0000	0.396377	2.416577	2.533047	0.021138	0.052556	-3.75654	2.629805	2.206444	2.916938	2.143217	2.398361	2.481849	3.238915	2.871824	3.453254	2.589954	2.561038	2.615819	2.727949	2.642244	2.528806	2.731965	2.841019	2.629903
ANKIB1	ENSG0000	0.130468	6.376988	2.723711	0.014189	0.038364	-4.16888	6.25238	6.353919	6.237656	6.468179	6.362903	6.435578	6.389189	6.369847	6.233947	6.290151	6.378811	6.158558	6.59844	6.545754	6.631735	6.458728	6.489849	6.452569
CYP51A1	ENSG0000	0.150851	2.052625	1.21782	0.239478	0.351495	-5.75579	2.19231	2.308123	2.326135	1.978268	2.520598	2.22781	2.576877	2.324112	2.697131	2.243849	2.500824	2.671369	2.24051	2.190279	2.294605	2.639009	2.552239	2.302316
KRIT1	ENSG0000	-0.11537	5.310892	-1.51528	0.147579	0.241494	-6.09324	5.572986	5.51514	5.673707	5.737065	5.607073	5.724812	5.712047	5.653324	5.640119	5.082702	5.105486	5.052059	5.329703	5.226323	5.276301	4.762075	4.695442	4.918728
RAD52	ENSG0000	-0.30484	2.639733	-1.95451	0.066831	0.130339	-4.72513	4.014302	3.804029	3.955676	3.376187	3.48743	3.432575	3.814892	3.491964	3.641718	2.30136	2.453955	1.877881	2.096181	2.06228	2.497588	1.833493	1.956613	2.119598
BAD	ENSG0000	0.36349	5.026331	4.903289	0.000124	0.000896	0.728526	4.674285	4.774231	4.799861	5.195063	5.48099	5.302231	5.147073	5.013152	5.092354	4.561593	4.842882	5.020321	5.291546	5.322591	5.260115	5.291204	5.198461	5.03025
LAP3	ENSG0000	-0.03659	7.464694	-0.38996	0.701278	0.7871	-7.45564	7.422812	7.514918	7.425407	7.620255	7.575059	7.635128	7.443134	7.456621	7.392614	7.621448	7.646285	7.646112	7.131234	7.091402	7.138713	7.581045	7.603961	7.571239
HS3ST1	ENSG0000	-0.13419	3.155999	-0.72869	0.475841	0.595031	-6.81925	1.12723	1.226787	1.358564	2.063099	2.333126	2.064596	2.144798	1.901414	2.239236	5.554185	5.538823	5.742345	4.25337	4.367677	4.223448	5.494399	5.292118	5.161062
HECW1	ENSG0000	-0.17716	-0.51387	-0.58797	0.564076	0.674344	-5.70633	2.744313	2.693541	2.776595	2.661411	2.633282	2.784269	2.144798	2.451551	2.588518	0.190076	0.106501	0.230035	0.171976	0.26996	0.186984	0.257084	0.19538	0.214669
MAD1L1	ENSG0000	-0.38775	4.432282	-5.49854	3.55E-05	0.000339	2.073393	5.118357	5.08834	5.297149	4.031135	4.343809	4.210498	4.688362	4.583078	4.73921	4.64911	4.655361	4.765977	3.997531	3.839509	3.799527	4.54867	4.432969	4.261717
LASP1	ENSG0000	-0.29854	8.563625	-2.47204	0.023973	0.058099	-4.85566	8.914228	8.930712	8.872358	8.072425	8.099937	7.977888	8.421982	8.445989	8.357279	8.704895	8.612261	8.71838	8.850198	8.779118	8.772408	8.575416	8.525852	8.586154
SNX11	ENSG0000	0.149406	4.997536	2.28364	0.035148	0.078516	-4.79283	5.411954	5.291319	5.22134	5.041505	5.152684	5.159862	5.574674	5.503276	5.515873	4.893087	4.580969	4.783729	4.785003	4.711399	4.688381	4.787047	4.84029	4.86164
M6PR	ENSG0000	0.417065	7.285199	7.79911	4.28E-07	1.10E-05	6.234281	6.361064	6.282324	6.309455	6.945516	6.911849	6.948776	6.940263	6.975295	6.886305	7.684048	7.672111	7.690481	7.970451	7.955877	7.930784	7.952001	7.932799	7.971762
KLHL13	ENSG0000	-0.28886	3.100202	-2.73206	0.013941	0.037844	-3.66235	1.642349	2.068355	1.853768	2.661411	2.811499	2.557474	1.966276	2.255906	2.274723	4.561593	4.532919	4.348702	4.679202	4.739573	4.667494	4.042177	4.11758	4.037057
CYP26B1	ENSG0000	-0.63126	2.231284	-4.60893	0.000234	0.001467	0.576231	3.114469	3.155816	3.466347	2.359902	2.299368	2.258349	2.724622	2.825515	2.723053	3.134522	3.055486	2.966075	1.498836	1.495836	1.456457	2.26534	2.535313	2.570068
ICA1	ENSG0000	-0.44226	4.353789	-2.46921	0.024113	0.05832	-4.29967	5.190829	5.234335	5.049003	3.966538	4.376555	4.28655	4.154215	4.55497	4.380548	4.187508	4.260723	4.16352	4.460809	4.588991	4.550681	4.166333	3.967936	4.150354
DBNDD1	ENSG0000	0.380998	5.05061	2.265111	0.036477	0.080888	-4.80263	4.478633	4.401188	4.631806	5.999011	6.11136	6.083584	4.576101	4.405576	4.570996	4.678347	4.658809	4.711369	5.62099	5.50599	5.528785	5.271431	5.35134	5.187851
ALS2	ENSG0000	-0.07192	5.873984	-1.48955	0.154166	0.249806	-6.22154	6.218111	6.233079	6.24932	6.408639	6.3361	6.491278	6.161755	6.331009	6.302172	5.522291	5.593905	5.506132	5.574833	5.577973	5.605829	5.323569	5.341637	5.428683
CASP10	ENSG0000	-0.4332	2.787299	-3.1394	0.005824	0.019031	-2.57109	3.27548	3.260998	3.39613	3.06262	3.132285	3.03415	2.576877	3.043491	3.044176	2.881509	2.841532	2.902498	3.259174	3.445301	3.126936	2.731965	2.447571	2.419973
CFLAR	ENSG0000	-0.38879	6.937281	-3.90114	0.001098	0.005034	-1.73002	7.121978	7.088935	7.124316	6.466234	6.432686	6.655165	6.510216	6.517343	6.495043	7.171937	7.245345	7.160321	7.34681	7.388012	7.405807	6.923841	7.025007	7.015808
TFPI	ENSG0000	0.499709	6.520081	4.123786	0.000673	0.003399	-1.07302	7.685412	7.679903	7.715207	8.369583	8.12605	8.296171	8.42954	8.439277	8.485387	5.004057	5.051412	5.035219	4.818614	4.824228	4.807727	5.036515	5.006099	5.044977
NDUFAF7	ENSG0000	0.314558	4.333872	3.298316	0.004122	0.014456	-2.58565	4.595114	4.55906	4.520694	4.727426	4.544465	4.735009	5.071794	4.971227	5.072328	3.857636	3.836353	4.012537	4.330668	4.307781	4.134921	4.078031	4.07722	3.930053
RBM5	ENSG0000	0.058954	5.82482	0.74403	0.466744	0.58654	-7.06435	5.623734	5.675946	5.703085	5.768983	5.543607	5.935541	5.961819	5.851216	5.942765	5.8825	5.92128	5.827947	6.065207	6.08981	6.132014	5.647126	5.821673	5.925024
SLC7A2	ENSG0000	1.653192	1.927679	4.959887	0.00011	0.000818	1.366681	7.482461	7.506252	7.458803	9.492958	9.381004	9.589463	9.184726	9.104562	9.157562	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.214669
ARF5	ENSG0000	-0.15897	5.814951	-1.3938	0.180848	0.282529	-6.37032	6.104784	6.083368	6.089793	5.753112	5.830334	5.584228	5.726144	5.737018	5.920533	5.625347	5.629491	5.77187	6.118076	6.123609	6.12947	5.777454	5.623718	5.518482
SARM1	ENSG0000	0.013219	4.350171	0.087889	0.930964	0.954761	-6.95611	4.357924	4.275018	4.429894	5.626427	5.518152	5.640377	3.928981	4.070428	3.832397	3.75845	3.907656	3.707046	4.758606	4.743056	4.72927	4.108069	4.288934	4.014786
POLDIP2	ENSG0000	-0.18559	7.738119	-6.0446	1.17E-05	0.000144	2.82493	8.29218	8.282584	8.282174	7.852484	7.919343	7.859001	8.088556	8.038633	8.06848	7.569237	7.502072	7.624461	7.263841	7.264991	7.256454	7.431181	7.404613	7.415617
PLXND1	ENSG0000	0.134287	6.175111	1.035377	0.314607	0.434196	-6.84688	6.375943	6.381882	6.511164	6.477868	6.669124	6.508848	6.489704	6.409631	6.462714	6.015891	6.167502	6.009185	5.451713	5.436694	5.323798	6.329765	6.309971	6.20624
AK2	ENSG0000	-0.14662	7.758216	-3.84807	0.001234	0.005545	-1.91726	7.958303	7.943058	7.914124	7.412663	7.387976	7.354201	7.652304	7.669853	7.676667	8.041326	7.993881	8.028162	7.568155	7.578454	7.637819	7.991146	7.964756	8.00038
CD38	ENSG0000	0.101128	0.29708	0.317343	0.754743	0.828182	-5.93078	1.384302	1.708084	1.499186	2.21912	2.366112	2.697781	1.917967	1.549165	1.962896	0.669294	0.748206	0.993481	0.562188	0.671977	0.707101	0.63264	0.871168	0.409347
FKBP4	ENSG0000	0.128651	8.22417	2.559392	0.020015	0.050348	-4.6767	7.681824	7.642066	7.68669	7.686095	7.563551	7.640935	7.793714	7.664108	7.654949	8.845649	8.748372	8.793375	8.625604	8.574874	8.54462	9.040142	8.972687	8.972281
KDM1A	ENSG0000	0.043593	6.647203	0.832722	0.416235	0.538258	-7.09686	6.862581	6.819776	6.760919	6.631604	6.627218	6.637848	6.748129	6.722383	6.746384	6.501209	6.457152	6.509664	6.630092	6.719367	6.626333	6.663082	6.616959	6.636412
RBM6	ENSG0000	-0.25144	5.910472	-3.91946	0.001055	0.004881	-1.56961	6.271602	6.332962	6.262537	5.759481	5.760718	5.743822	5.80795	5.916187	5.975483	6.047047	5.994071	5.881925	5.882915	5.8476	5.810222	5.812844	5.804117	5.923032
CAMKK1	ENSG0000	0.110587	4.232175	1.47798	0.157208	0.253838	-5.80978	5.350006	5.256764	5.399401	5.420792	5.503402	5.261353	5.59402	5.506949	5.500968	3.265521	3.232543	3.305013	3.259174	3.357127	3.253801	3.209363	3.171908	3.162857
RECQL	ENSG0000	-0.17817	5.197488	-3.1008	0.006332	0.020312	-3.20079	5.596044	5.673567	5.666267	5.380038	5.510796	5.380668	5.300979	5.546744	5.451432	5.159875	5.130539	4.996595	4.914988	5.012067	4.735974	4.978075	5.009167	4.849107
VPS50	ENSG0000	-0.10143	4.408454	-1.63602	0.119714	0.205631	-5.77247	4.445163	4.468622	4.320409	4.456603	4.284653	4.427589	4.487843	4.397684	4.45204	4.569418	4.606195	4.524909	4.679202	4.623418	4.670996	4.357681	4.318914	4.499478
HSPB6	ENSG0000	0.939952	0.828985	1.768158	0.094485	0.170954	-4.56277	4.405107	4.574447	4.681852	5.895822	6.084358	6.000211	5.494585	5.510612	5.482116	0.106501	0.398185	0.230035	0.106501	0.190544	0.106501	0.183756	0.572487	0.106501
ARHGAP33	ENSG0000	0.33562	1.794359	2.108474	0.049704	0.103167	-4.36017	2.165157	1.81559	2.351095	2.325974	2.193078	1.956998	2.376953	2.777669	2.530983	2.163418	1.8028	2.038602	2.096181	2.169719	2.121111	2.283004	1.82352	2.200755
NDUFAB1	ENSG0000	-0.17821	6.417417	-3.2767	0.004321	0.014979	-3.01494	7.149082	7.000566	7.065207	6.515985	6.484302	6.481604	6.876914	6.896284	6.852943	6.190934	6.192701	6.295675	5.775111	5.940035	5.921732	6.219429	6.03538	5.946753
PDK4	ENSG0000	2.050706	4.433113	7.879713	3.71E-07	9.83E-06	6.829529	5.190829	5.607787	5.384366	8.506044	8.338847	8.464421	7.55299	7.642567	7.636313	1.787595	1.8028	1.653508	2.852992	2.875953	2.689384	1.903678	1.737342	2.06284
ARX	ENSG0000	-0.01328	0.801111	-0.07515	0.940949	0.961954	-6.10435	1.286899	1.631689	1.202741	2.063099	2.193078	2.029614	1.317361	1.367163	1.445026	1.239286	1.190799	1.061592	2.027088	1.766169	1.876113	1.250674	1.329561	0.805046
SLC25A13	ENSG0000	-0.24287	5.732155	-4.17223	0.000606	0.003125	-0.94737	6.295276	6.353919	6.315808	6.371699	6.327751	6.465334	6.011586	6.060626	6.007476	5.35583	5.489323	5.301295	5.274879	5.317927	5.161481	5.226496	5.157568	5.217405
ST7	ENSG0000	0.373881	5.116379	6.256015	7.66E-06	0.000105	3.574606	5.291568	5.401827	5.390399	5.982771	5.885412	5.961294	5.771031	5.663233	5.680369	4.295234	4.331577	4.536922	4.881128	4.707838	4.817241	4.777733	4.826442	4.7174
CDC27	ENSG0000	-0.13407	6.292628	-2.67603	0.015688	0.041563	-4.20949	7.205977	7.37254	7.212082	6.94272	6.911849	6.925177	7.171619	7.259535	7.248347	5.756222	5.657342	5.798311	5.28231	5.250999	5.217641	5.492503	5.428995	5.536833
HCCS	ENSG0000	0.048349	6.432696	0.743254	0.467202	0.586952	-7.11783	6.947703	6.890125	6.872872	6.911603	6.800118	6.891478	6.748129	6.846424	6.812769	5.868298	5.80937	5.85938	6.293811	6.214238	6.203889	6.083665	5.998805	6.059839
DVL2	ENSG0000	-0.32	5.455288	-6.51388	4.63E-06	7.06E-05	4.013035	6.001113	5.898074	6.003871	5.800209	5.751385	5.743822	5.804633	5.629937	5.605699	5.358091	5.247382	5.383428	5.256131	5.170503	5.156493	4.958973	4.940116	5.109451
PRSS22	ENSG0000	-0.05779	1.519078	-0.36194	0.721732	0.803033	-7.12623	1.010037	0.940485	0.756332	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	5.847534	5.861181	6.084781	5.206215	5.377412	5.198354	6.004695	6.1187	5.78729
UPF1	ENSG0000	-0.08862	7.346425	-2.33841	0.031479	0.071923	-5.02151	7.462386	7.442692	7.545155	7.095279	7.251199	7.155579	7.346063	7.323414	7.378412	7.450862	7.425185	7.498046	7.330773	7.246703	7.216868	7.467358	7.362652	7.402096
SKAP2	ENSG0000	0.213707	6.579665	1.324371	0.202438	0.308015	-6.53409	6.635362	6.61304	6.545359	7.628977	7.47749	7.598299	7.137744	7.142816	7.157405	6.292517	6.167502	6.250794	5.881693	6.003857	5.969444	6.006025	6.1187	6.109724
SLC25A5	ENSG0000	-0.18674	8.947061	-4.77318	0.000164	0.00112	0.049521	9.517453	9.465854	9.453607	8.961464	8.975787	8.914062	9.265373	9.293707	9.309917	8.887131	8.765467	8.829382	8.528369	8.506068	8.496577	8.647925	8.645038	8.639893
MCUB	ENSG0000	0.278259	3.073306	1.811163	0.087337	0.160654	-5.15379	3.142584	2.870177	2.5366	3.456785	3.734793	3.666886	3.277716	3.431409	3.023464	3.113269	3.390227	3.172678	3.18974	3.243672	3.053703	3.26375	3.337278	3.487904
HOXA11	ENSG0000	1.033492	-1.24811	3.284605	0.004247	0.014797	-1.86489	2.165157	2.039077	1.706811	3.255206	3.546181	3.608819	2.696258	3.196885	2.915195	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
POLR2J	ENSG0000	0.303281	5.244498	5.30155	5.35E-05	0.000464	1.560254	5.45743	5.509814	5.328907	5.598277	5.710229	5.663381	5.879071	5.795247	5.767022	4.742042	4.696209	4.911491	5.012045	5.112436	4.958638	5.054624	5.015283	4.914724
DHX33	ENSG0000	-0.2158	6.379795	-5.089	8.37E-05	0.00066	0.9241	6.776612	6.725287	6.723177	6.288261	6.366983	6.452185	6.599072	6.576214	6.395797	6.457606	6.503919	6.467919	6.065207	5.971557	5.996216	6.262357	6.328511	6.204601
THSD7A	ENSG0000	0.741055	2.933707	2.514862	0.021948	0.054104	-3.67685	3.603403	3.714268	3.783005	6.077576	6.074412	6.213949	4.6145	4.59693	4.534865	1.199504	1.875739	1.718241	2.009285	2.398985	1.775589	1.387593	1.368306	1.703111
LIG3	ENSG0000	-0.27633	5.162086	-3.48034	0.002768	0.010555	-2.37346	5.812748	5.811984	5.901987	5.640298	5.529116	5.671913	5.296262	5.450851	5.375831	4.942125	4.925369	4.963598	4.633447	4.492955	4.62479	4.865346	4.936897	4.819433
RPAP3	ENSG0000	-0.00898	5.606456	-0.13705	0.892561	0.928265	-7.2798	5.864307	5.936292	5.901987	5.904469	5.965622	5.97515	6.040078	6.080481	6.176476	5.389369	5.446069	5.401609	5.206215	5.363901	5.227188	5.168285	5.152027	5.280993
ACSM3	ENSG0000	-0.61393	1.962454	-3.41977	0.003161	0.011694	-1.93518	2.725848	2.836538	2.865896	1.326771	1.164793	1.714252	2.01302	2.147141	2.165532	2.736149	2.877496	2.845681	2.661114	2.21055	2.382676	2.479639	2.295039	2.48622
REXO5	ENSG0000	-0.23082	1.946022	-1.44835	0.165221	0.263373	-5.39103	3.373632	3.505362	3.296854	2.48816	2.264801	2.719893	3.137083	3.506713	3.218306	2.356666	2.135404	2.152295	1.054048	0.837535	1.046067	1.903678	1.707432	2.003758
CIAPIN1	ENSG0000	-0.05469	7.119134	-1.05124	0.307467	0.426828	-6.92459	7.738761	7.744812	7.645668	7.364381	7.373854	7.355967	7.601591	7.539647	7.58423	6.730485	6.640128	6.739507	6.714917	6.702469	6.674237	6.791268	6.709457	6.694778
SPPL2B	ENSG0000	0.153426	4.027224	1.858983	0.079951	0.150488	-5.26469	3.903656	3.704977	4.087767	4.87551	4.720591	4.809079	3.953155	4.128801	4.170531	3.87668	3.605665	3.707046	4.480326	4.349511	4.288734	3.7814	3.835933	3.865145
FAM214B	ENSG0000	-0.24323	5.582337	-1.6828	0.11019	0.192782	-5.89884	5.667929	5.546688	5.618241	6.236693	6.457769	6.302701	5.198536	5.088621	5.160337	5.534334	5.531317	5.599302	5.559624	5.589628	5.507395	5.448178	5.568634	5.437082
PRKAR2B	ENSG0000	0.030165	3.505555	0.121011	0.905063	0.937309	-6.77173	2.725848	2.76681	3.133821	4.746789	4.648682	4.713128	3.158032	3.232814	3.340558	3.637124	3.799336	3.647349	3.783794	4.056619	3.805912	3.493521	3.458949	3.398988
MSL3	ENSG0000	-0.00129	4.507927	-0.01953	0.984639	0.990029	-7.06652	4.735558	4.856254	4.781616	4.803367	4.782991	4.839695	4.637058	4.753535	4.556652	4.227618	4.242453	4.253631	4.647902	4.51757	4.591911	4.302461	4.446612	4.335451
CREBBP	ENSG0000	0.188738	6.861651	3.963398	0.000957	0.004519	-1.57877	6.853042	6.898301	6.97174	6.910172	6.862132	6.966224	7.275922	7.138087	7.219045	6.726991	6.761374	6.637899	6.723131	6.702469	6.731544	6.853916	6.747615	6.76206
TSPOAP1	ENSG0000	-0.13128	-1.42074	-0.74319	0.467237	0.586952	-5.90556	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.814181	1.725977	1.653508	2.542344	2.451029	2.416453	1.354562	1.513652	1.739782
GCFC2	ENSG0000	0.107649	4.66134	1.852594	0.080905	0.151771	-5.46247	4.846543	4.856254	4.938064	5.004446	4.987618	4.803913	5.015513	4.928048	5.010523	4.290508	4.47541	4.434686	4.624704	4.600559	4.642737	4.595365	4.49993	4.4056
WDR54	ENSG0000	0.4053	4.811166	6.37748	6.03E-06	8.66E-05	3.805876	4.405107	4.223893	4.294909	4.955356	4.807214	4.894191	4.536652	4.583078	4.807433	4.85838	4.851948	4.881185	5.20426	5.306201	5.115953	5.299906	5.294635	5.246367
CROT	ENSG0000	0.354139	3.563318	2.711928	0.014546	0.039113	-3.56732	3.662849	3.61855	3.443319	4.674482	4.662026	4.78306	4.111894	4.09991	4.093134	3.0698	3.232543	3.052298	3.532792	3.366191	3.462206	3.209363	3.034117	3.375875
KMT2E	ENSG0000	0.655817	6.003345	9.735301	1.77E-08	1.00E-06	9.638436	5.699026	5.71581	5.722344	6.61238	6.523209	6.649416	6.548402	6.670928	6.528503	5.393783	5.491258	5.285361	6.0834	6.069144	6.06837	5.844414	5.821673	5.769665
RHBDD2	ENSG0000	0.109613	6.665342	3.012922	0.007656	0.02348	-3.59422	6.466308	6.400708	6.47472	7.112797	7.076608	7.084923	6.600985	6.60563	6.622742	6.476454	6.379856	6.491259	7.03828	6.938007	6.944028	6.502735	6.543738	6.483982
IBTK	ENSG0000	-0.42471	6.863108	-7.57241	6.41E-07	1.52E-05	5.862811	7.311129	7.260468	7.212082	6.862152	6.850524	6.99711	6.686381	6.76748	6.644947	7.039485	7.041173	7.036746	6.511793	6.656107	6.667239	6.729001	6.69524	6.799453
ZNF195	ENSG0000	-0.19015	4.89431	-2.73292	0.013916	0.03779	-3.92244	4.961483	4.949684	4.933939	4.927344	4.681813	4.76722	4.864381	4.922558	4.945952	5.1779	5.150274	4.963598	5.164598	5.093459	5.044848	4.746244	4.857415	4.836464
MYCBP2	ENSG0000	0.135361	5.993022	1.690236	0.108738	0.19104	-5.97739	5.792929	5.779158	5.882858	6.044055	6.051781	6.300868	6.237523	6.239047	6.104345	5.97965	6.206905	5.818136	6.05331	5.998038	6.021128	5.966946	5.879817	5.938889
FBXL3	ENSG0000	0.496621	4.53973	4.169974	0.000609	0.003136	-0.77194	3.691678	3.872022	3.745844	4.910272	4.86605	4.839695	4.851577	4.831761	4.745547	4.509673	4.599033	4.478947	4.973543	5.043483	5.025827	4.647431	4.699246	4.567359
PDK2	ENSG0000	-0.22775	2.833463	-2.49089	0.023061	0.056387	-4.10651	2.137484	1.591918	2.274882	1.888135	2.117603	2.064596	1.816207	1.658879	1.962896	4.048869	4.219284	4.209279	4.667899	4.693507	4.602954	3.859998	3.986735	4.029672
ITGA3	ENSG0000	0.430153	8.205808	3.182153	0.005308	0.017689	-3.41276	7.528465	7.429355	7.529523	6.988173	7.062841	6.988027	7.220985	7.190414	7.296619	8.811005	8.884572	8.896189	8.925694	8.879069	8.886765	9.797306	9.764716	9.737775
ZFX	ENSG0000	0.005195	5.41262	0.07966	0.937412	0.959854	-7.26425	5.970071	5.841962	5.84602	5.587578	5.48099	5.464914	5.869576	5.848324	5.833973	5.107097	5.226618	5.125498	5.045184	5.060335	5.161481	5.308556	5.009167	5.280993
LAMP2	ENSG0000	0.691616	7.415126	10.15696	9.39E-09	6.26E-07	10.18115	6.750589	6.73673	6.692989	8.153856	8.04752	8.177345	7.672464	7.620698	7.657472	6.929032	6.844734	6.832601	7.821879	7.832959	7.851979	7.317937	7.354835	7.343734
ITGA2B	ENSG0000	0.865608	0.449661	2.531408	0.02121	0.052658	-3.30331	2.080492	2.09705	2.221741	2.291228	3.170134	2.481849	2.957542	3.431409	3.044176	0.483018	0.398185	0.807652	0.407676	0.550009	0.533283	0.393424	0.358227	0.659518
GDE1	ENSG0000	0.60664	6.852663	11.21539	2.07E-09	1.91E-07	11.76862	6.485643	6.320848	6.371764	7.551266	7.510137	7.463907	7.127159	7.106965	7.226993	6.157584	6.195078	6.254437	7.255369	7.277055	7.315268	6.659706	6.637923	6.675978
REX1BD	ENSG0000	0.191453	4.070913	1.812535	0.087118	0.160395	-5.34956	4.192962	4.14364	4.470324	4.733909	4.801196	4.531264	4.402637	4.221128	4.388669	3.463254	3.554746	3.685623	4.143408	4.385617	4.27038	4.010719	4.005291	3.487904
CRLF1	ENSG0000	0.744109	2.244162	1.437028	0.168371	0.267407	-5.25839	3.385444	3.628412	3.745844	6.323078	6.360859	6.156332	4.528631	4.389749	4.41276	1.239286	1.265082	1.061592	1.054048	0.484926	0.957066	0.837776	0.924142	0.805046
OSBPL7	ENSG0000	-0.77394	2.361637	-4.11405	0.000688	0.003452	-0.72194	1.475543	1.465573	1.358564	1.256461	1.666451	1.526279	0.548589	0.253663	0.106501	5.077225	5.147822	5.085161	5.82303	5.560311	5.678967	4.522885	4.49993	4.637057
TMEM98	ENSG0000	-0.30208	2.106484	-1.8708	0.078212	0.147821	-4.75353	3.313074	3.58855	3.231147	2.688367	2.762786	3.051692	2.806512	3.178579	2.869505	1.891119	1.725977	1.780195	1.897591	1.993753	2.014873	1.784732	1.707432	1.844513
YBX2	ENSG0000	0.530986	-0.27887	3.916037	0.001062	0.00491	-0.85718	0.216396	0.215206	0.219246	0.258133	0.106501	0.106501	0.415731	0.253663	0.256032	2.461296	2.618839	2.558044	2.385571	2.416542	2.465679	2.855159	3.138674	2.944608
MAP3K14	ENSG0000	-0.30055	5.920338	-0.70725	0.488734	0.606427	-6.9817	8.79972	8.639698	8.704866	5.605366	5.87112	5.719334	8.33899	8.222983	8.335914	4.337085	4.247042	4.205521	4.693208	4.51757	4.70214	4.213151	4.07722	4.136669
TMEM132	ENSG0000	0.328541	5.084046	2.420675	0.026634	0.063125	-4.40301	5.817116	5.690142	5.899874	6.948306	7.197228	6.942912	5.985453	5.856983	5.951015	3.340597	3.640966	3.519989	4.441025	4.455227	4.402656	4.098126	4.328771	4.080593
AP2B1	ENSG0000	0.017825	8.669955	0.535773	0.598868	0.701973	-7.46221	9.01652	8.954919	8.977785	8.885609	8.837824	8.88775	8.938713	8.954622	8.893646	8.446151	8.456024	8.354108	8.340475	8.33658	8.3299	8.544629	8.454495	8.516533
ZNF263	ENSG0000	-0.13547	6.086329	-1.50281	0.150741	0.245653	-6.26178	6.6403	6.614281	6.568158	6.023033	6.049244	5.984314	6.452032	6.245657	6.278331	5.874627	5.868645	5.854589	5.982081	5.968584	5.923201	5.882568	5.888174	5.855713
CX3CL1	ENSG0000	0.042963	1.087068	0.367996	0.717295	0.799846	-7.08861	0.587539	0.316291	0.421314	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.726788	5.714797	5.610714	5.19838	4.916583	5.000996	5.660702	5.994168	5.749576
SPATA20	ENSG0000	0.014787	6.100482	0.275041	0.78651	0.850858	-7.24499	7.041209	7.024105	7.150322	7.438693	7.574177	7.466361	7.081285	7.041366	7.146671	4.914746	4.967692	4.859824	5.192476	5.320261	5.348066	4.841704	5.098298	4.815144
TNFRSF12	ENSG0000	-0.09925	7.920823	-0.60776	0.551165	0.661686	-7.38588	8.453073	8.38758	8.508079	7.046631	7.235665	7.089176	8.274504	8.175888	8.275339	7.931779	7.853468	8.002401	7.881505	7.853247	7.91684	8.001852	7.958421	7.844954
MAP3K9	ENSG0000	-0.18397	5.761608	-2.21984	0.039921	0.086888	-5.15433	4.081197	4.236845	4.02711	3.727576	3.574682	3.75519	3.277716	3.564249	3.572114	8.277578	8.239066	8.105067	7.378793	7.283648	7.383566	8.100405	8.106858	8.119962
RALA	ENSG0000	-0.24381	5.821497	-4.16242	0.000619	0.003176	-1.04197	5.966143	6.004148	5.869964	5.363409	5.34696	5.394483	5.650549	5.727605	5.602211	6.124772	6.160221	6.263502	5.895085	6.050991	5.896523	6.03498	5.911317	6.002519
BAIAP2L1	ENSG0000	-0.42743	7.011151	-2.48177	0.023498	0.05723	-4.7212	7.956325	7.912609	7.980613	6.426761	6.553955	6.492884	6.929642	6.903269	6.961728	6.992972	6.884306	6.942239	6.79243	6.743914	6.762242	7.027023	7.111768	7.042657
KDM7A	ENSG0000	-0.60243	3.476099	-5.32064	5.14E-05	0.00045	1.889281	3.919992	3.676739	3.773804	3.255206	3.362223	3.377995	3.388228	3.633086	3.69508	3.950439	4.01918	3.973292	3.746669	3.819851	3.658454	3.103995	3.287607	3.279535
ETV1	ENSG0000	1.401439	4.274579	2.842281	0.011035	0.031436	-3.32351	4.961483	5.147837	5.079193	7.372714	7.124387	7.240251	6.504093	6.51187	6.552194	2.763691	2.946841	2.649405	1.446877	1.591687	1.851631	3.366734	3.537548	3.466183
AGK	ENSG0000	-0.12675	6.001264	-1.19821	0.246833	0.360578	-6.63073	6.808768	6.799185	6.758588	6.07247	5.930216	5.911724	6.802362	6.730259	6.740051	5.732026	5.625972	5.694882	5.445106	5.530385	5.495593	5.496293	5.431284	5.464729
ALDH3B1	ENSG0000	-1.0159	7.207931	-6.63364	3.67E-06	5.88E-05	4.086849	8.025897	7.979155	8.076334	7.840518	8.00168	7.880634	6.922008	6.876546	6.981997	6.746966	6.725647	6.959636	7.779511	7.700378	7.735133	5.823444	6.07105	5.826176
TTC22	ENSG0000	0.439366	-0.38144	6.197157	8.61E-06	0.000115	3.740242	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.236329	3.439177	3.464463	3.629193	3.731427	3.727354	3.830273	3.667508	3.856822
PHTF2	ENSG0000	0.75938	5.492138	5.879821	1.63E-05	0.000187	2.807431	6.4453	6.570189	6.4818	6.812478	6.760349	6.781444	7.483113	7.477362	7.380449	4.391063	4.274276	4.205521	3.593793	3.591587	3.734067	4.616418	4.551348	4.632189
FARP2	ENSG0000	-0.12885	6.094569	-2.24754	0.03778	0.083155	-5.06186	5.952311	5.860909	5.84602	6.009737	6.084358	5.99342	5.559008	5.567996	5.616111	6.399536	6.381944	6.409495	6.426331	6.397808	6.433614	6.360246	6.406207	6.396253
USH1C	ENSG0000	0.738654	0.042356	3.663646	0.001851	0.007614	-1.1484	4.42241	4.406929	4.44736	5.396478	5.230876	5.431804	5.282018	5.155666	5.057123	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
GGCT	ENSG0000	-0.11862	4.776081	-2.20822	0.040852	0.088509	-4.95355	4.735558	4.760843	4.857612	4.052041	4.186495	4.154771	4.591583	4.709588	4.66091	5.252698	5.263327	5.356567	4.971246	4.901075	4.944238	5.20581	5.201146	5.161062
DBF4	ENSG0000	0.021564	4.391242	0.186344	0.854321	0.90178	-7.11451	4.569455	4.372133	4.574673	4.031135	4.051057	4.194794	4.723921	4.80814	4.782996	4.899309	4.869913	5.137382	3.617489	3.637228	3.665494	4.805497	4.773297	4.853297
TBXA2R	ENSG0000	-0.29236	0.494402	-1.04524	0.310155	0.429805	-5.45067	3.056542	2.836538	2.99819	3.142765	3.329147	2.865864	2.908934	2.420731	2.670735	0.483018	0.398185	0.683459	0.407676	0.345231	0.263213	0.63264	0.358227	0.497646
IFRD1	ENSG0000	-0.28892	6.689225	-3.86586	0.001186	0.005364	-1.74855	7.774011	7.802577	7.811643	7.110307	6.932643	7.087051	7.767542	7.668214	7.753353	6.401729	6.283738	6.463992	5.43514	5.453801	5.485683	5.930987	5.759266	5.798197
COX10	ENSG0000	-0.09555	5.195126	-1.51096	0.148668	0.243026	-6.10542	5.546927	5.562207	5.486458	5.277258	5.14795	5.227023	5.452809	5.388507	5.466856	5.074478	5.048786	5.172459	5.188526	5.149657	5.012085	5.018176	5.072132	4.950363
GTF2IRD1	ENSG0000	0.024976	6.18924	0.137452	0.892245	0.928211	-7.37512	6.688773	6.696276	6.837983	6.0017	6.028789	6.083584	6.851417	6.866575	6.900573	5.667877	5.709818	5.832828	6.253734	6.23912	6.12947	5.70232	5.682553	5.617869
PAF1	ENSG0000	-0.07859	6.02908	-1.37811	0.185557	0.287709	-6.43681	5.784032	5.718121	5.734251	5.969096	6.142633	6.006972	5.624444	5.646681	5.79784	6.275876	6.270274	6.401304	6.297483	6.308941	6.309903	6.271233	6.241181	6.137474
VPS41	ENSG0000	0.21936	5.936275	3.110744	0.006198	0.019998	-3.27851	5.956277	5.809819	5.939499	6.594678	6.403191	6.612955	6.428516	6.250046	6.340354	5.516232	5.471785	5.484585	5.996837	6.031182	5.992021	5.522553	5.447207	5.507891
ARHGAP44	ENSG0000	0.158634	-0.83498	0.683596	0.503193	0.619532	-5.68484	3.085796	3.169391	3.013906	3.714523	3.560502	3.838399	3.258446	3.285084	3.084728	0.106501	0.106501	0.106501	0.106501	0.190544	0.106501	0.106501	0.106501	0.106501
ELAC2	ENSG0000	-0.00802	6.750532	-0.17054	0.866548	0.91006	-7.44766	7.088947	7.098723	7.178485	6.737027	6.822574	6.798429	7.053603	7.091148	7.069211	6.59139	6.463081	6.573748	6.491098	6.473152	6.502067	6.587802	6.581329	6.560288
SCIN	ENSG0000	-0.60217	2.321385	-7.29362	1.06E-06	2.24E-05	5.695876	0.41387	0.582935	0.679585	1.457877	1.498102	1.422231	0.415731	0.509405	0.735084	4.980776	5.040879	5.097381	6.221239	6.187642	6.230242	4.280646	4.521577	4.510131

ARSD	ENSG0000	-0.22061	6.266247	-2.32512	0.032335	0.0735	-4.91953	6.416805	6.439039	6.403429	6.318771	6.430738	6.326315	5.853613	5.983638	5.863407	6.092554	6.108198	6.181698	6.748169	6.779969	6.729026	6.120972	6.162072	6.18645
PNPLA4	ENSG0000	-0.69231	4.300515	-3.98097	0.000921	0.004379	-1.1151	5.227386	5.349122	5.303557	4.281793	4.310303	4.249025	4.225415	4.119235	4.170531	4.266643	4.024536	4.317702	4.444342	4.363157	4.293286	4.047354	3.942484	3.856822
ADIPOR2	ENSG0000	0.390922	7.135244	8.285248	1.84E-07	5.78E-06	7.127281	7.088044	7.087148	7.095064	7.420722	7.337932	7.432448	7.473744	7.564532	7.570017	6.833984	6.819534	6.856165	6.872159	6.880653	6.789886	7.148827	7.15188	7.205548
MARK4	ENSG0000	1.060829	6.287313	5.705622	2.32E-05	0.000242	2.351741	6.364052	6.423545	6.511164	8.146585	8.215308	8.173845	7.991228	7.864922	8.093536	4.829349	4.784095	4.883539	5.49233	5.499826	5.36978	5.010245	5.027439	4.985143
CCDC124	ENSG0000	-0.14232	5.231139	-1.38544	0.183345	0.285179	-6.27323	5.83014	6.03969	6.005837	5.185634	5.550798	5.283793	5.747035	5.484771	5.559688	4.769473	4.833757	5.160861	4.82626	4.837324	4.739314	5.110102	5.018332	4.914724
PAFAH1B1	ENSG0000	0.235759	7.278758	6.358228	6.27E-06	8.92E-05	3.516319	7.788541	7.876856	7.767132	8.041399	8.001024	8.056019	8.118256	8.091569	8.151954	6.520509	6.475845	6.434595	6.656782	6.658876	6.697605	6.614207	6.614947	6.646104
KIAA0100	ENSG0000	0.351058	8.333694	2.298356	0.034125	0.076748	-5.1429	7.972567	7.982523	7.993055	9.35019	9.338006	9.384318	8.728524	8.700924	8.66453	7.972549	8.020931	7.871849	8.145939	8.077096	8.08904	7.941265	7.914098	7.947473
GAS7	ENSG0000	-0.43087	-0.19272	-0.9405	0.35978	0.481657	-5.4984	3.774862	3.888531	4.050156	3.290819	3.31232	3.405543	3.296733	3.462004	3.218306	0.190076	0.106501	0.106501	0.407676	0.26996	0.106501	0.257084	0.19538	0.106501
TRAPPC6A	ENSG0000	-0.41085	4.349302	-3.90626	0.001086	0.004997	-1.37868	4.296689	3.952741	4.019345	3.714523	3.747367	3.786958	3.277716	3.250449	3.143496	5.093595	5.019578	5.290692	5.565727	5.4665	5.420597	4.958973	4.949728	4.832225
ST7L	ENSG0000	-0.40284	3.969091	-4.4719	0.000315	0.001866	-0.05685	4.066597	4.287521	4.208773	3.456785	3.260629	3.523386	3.761137	3.736817	3.844255	4.497421	4.51019	4.548836	4.334248	4.358622	4.27499	4.213151	4.035699	4.242679
PAX6	ENSG0000	0.505387	-1.68928	2.302393	0.03385	0.076261	-3.62081	1.990546	1.591918	1.818408	1.978268	2.460774	2.064596	2.058296	2.147141	2.440135	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RPUSD1	ENSG0000	-0.18794	5.822621	-2.25777	0.037016	0.081822	-4.97258	6.214805	6.255527	6.453268	6.110336	6.430738	6.083584	6.130298	6.025209	6.079477	5.534334	5.542561	5.846165	5.441792	5.347976	5.310386	5.605616	5.605589	5.277879
RHBDF1	ENSG0000	-0.12708	5.375088	-1.0689	0.299657	0.418573	-6.68206	5.687145	5.725032	5.661287	5.254892	5.287935	5.283793	5.639419	5.599299	5.559688	5.233128	5.21026	5.238315	5.718713	5.495702	5.544145	5.110102	5.135275	5.01537
LUC7L	ENSG0000	0.04944	5.371228	0.819122	0.423746	0.545451	-6.93345	5.227386	5.231103	5.274496	5.28169	5.313527	5.352637	5.590171	5.473553	5.500968	5.534334	5.467858	5.478369	5.509846	5.460164	5.51521	5.408497	5.35134	5.353773
BAIAP3	ENSG0000	0.457073	2.289513	2.16245	0.044717	0.09489	-4.64659	2.165157	1.508929	2.166567	0.841981	1.087782	1.250575	1.70672	1.85606	1.620777	3.091698	3.381904	3.353367	4.386902	4.264807	4.12984	3.928936	3.800954	3.707454
TSR3	ENSG0000	-0.19274	5.801867	-2.44104	0.025548	0.061002	-4.64721	6.031501	6.127503	6.108212	5.684481	5.827376	5.735705	5.729647	5.629937	5.683673	5.66057	5.78433	5.948645	5.914344	5.889066	5.803856	5.909826	5.821673	5.622786
PIGQ	ENSG0000	0.266672	4.295345	3.1686	0.005467	0.018103	-2.85471	3.613482	3.7235	3.871922	4.784753	4.888929	4.992837	4.293266	4.138304	4.198517	4.082065	4.292151	4.100159	5.096674	4.92887	4.926766	4.208537	4.395944	4.177341
CRAMP1	ENSG0000	-0.33245	3.878529	-3.26403	0.004442	0.015322	-2.60289	4.296689	4.330447	4.382257	3.933121	3.517104	3.678224	3.788265	4.157125	3.808383	4.026306	4.107636	4.046548	3.95166	4.045377	4.067427	3.830273	3.916575	3.716682
TEAD3	ENSG0000	-0.05806	4.33358	-0.70854	0.487951	0.605919	-6.93931	3.509372	3.209365	3.454879	3.20008	3.362223	3.136338	2.667326	2.777669	2.892531	5.627223	5.561109	5.565981	6.057648	5.90936	6.033424	5.70396	5.613675	5.625238
DNAJC11	ENSG0000	-0.1549	6.649531	-2.52669	0.021418	0.053072	-4.58873	7.169721	7.095171	7.197533	6.534673	6.564651	6.637848	6.971664	6.834781	6.893457	6.544525	6.492369	6.522559	6.416233	6.342624	6.347596	6.449959	6.432727	6.514726
MYLIP	ENSG0000	-0.24243	5.30223	-2.40333	0.027593	0.064853	-4.60913	5.638616	5.768048	5.734251	5.615935	5.367468	5.468184	5.527156	5.38452	5.431918	5.09088	5.085124	5.013889	5.401413	5.566222	5.451472	4.874113	4.897703	4.810842
E2F2	ENSG0000	-0.00715	2.713474	-0.04527	0.964408	0.976783	-6.68415	3.672523	3.657602	3.707702	2.577385	2.660129	2.94309	3.705302	3.809996	3.90213	3.385609	3.116952	3.203153	1.27873	1.560439	1.284217	3.094024	3.022017	3.035906
PSMB1	ENSG0000	-0.08611	7.337617	-1.56063	0.136536	0.227554	-6.32776	7.500224	7.545821	7.463818	6.998979	7.043854	6.988027	7.366457	7.405395	7.389583	7.443962	7.419097	7.485703	7.303185	7.352537	7.355545	7.408227	7.370427	7.402811
SYN1	ENSG0000	-0.30762	-0.64882	-0.99465	0.333477	0.453823	-5.44439	3.593253	3.8803	3.454879	2.91067	2.762786	2.805104	3.19904	3.384264	3.543305	0.190076	0.259702	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
JARID2	ENSG0000	0.216388	4.849126	2.749387	0.01344	0.036849	-3.96176	3.701161	3.812706	3.755225	3.988393	4.240862	4.146631	3.891945	3.3682	3.614278	5.821561	5.806264	5.872475	6.051137	5.971557	6.026606	6.196311	6.13424	6.083215
CDKL5	ENSG0000	-0.5861	3.907065	-4.88678	0.000129	0.000923	1.012729	4.730936	4.584615	4.715879	5.491368	5.492239	5.596232	3.866715	3.999201	3.979442	3.322191	3.365114	3.093551	3.789021	3.68147	3.78667	2.990321	2.868308	3.021085
NADK	ENSG0000	-0.11229	5.814966	-1.549	0.139299	0.230916	-6.12603	6.106569	6.139622	6.138993	6.532815	6.504813	6.538701	5.982519	5.957035	5.923331	5.475171	5.440069	5.548285	5.577856	5.481175	5.505435	5.444259	5.504857	5.359675
CYTH3	ENSG0000	-0.71928	5.870075	-2.03902	0.056866	0.114787	-5.41162	6.642763	6.568909	6.652149	4.502891	4.56592	4.598452	5.082792	5.132077	5.136423	6.038616	6.152903	6.151739	7.155717	6.960624	7.029044	6.020575	5.997261	5.81333
ADAM22	ENSG0000	0.315327	2.967564	2.528947	0.021318	0.052871	-3.80486	2.798329	3.182839	3.104764	3.562554	3.759832	3.744443	3.571163	3.605944	3.655245	2.664903	2.687979	2.756026	3.057395	3.173121	3.396027	2.706012	2.770449	2.59029
SYPL1	ENSG0000	0.155983	6.955378	2.002805	0.060959	0.121344	-5.58487	6.72176	6.8187	6.767886	7.305749	7.075362	7.172715	6.864222	6.933604	6.916106	6.904498	6.981146	6.960751	6.839157	6.914257	6.887949	7.090465	7.095261	7.16399
CYB561	ENSG0000	0.518649	6.857538	4.179483	0.000596	0.003094	-1.11912	5.340935	5.334134	5.41428	6.538381	6.72423	6.646533	6.143489	6.095194	6.031013	7.517091	7.477872	7.528449	7.748324	7.767336	7.725481	7.926591	7.889335	7.872049
SPAG9	ENSG0000	-0.30622	7.233406	-9.29181	3.53E-08	1.69E-06	8.820689	7.656456	7.551015	7.612505	7.366469	7.353436	7.455695	7.335757	7.346145	7.26829	7.271825	7.237294	7.155459	7.001607	7.01278	7.048023	6.903289	6.887559	6.918197
CELSR3	ENSG0000	-0.0631	4.063321	-0.44755	0.659976	0.755205	-6.945	3.936145	3.8803	4.080323	3.425084	3.759832	3.445903	3.33403	3.491964	3.82044	4.404248	4.634494	4.260892	4.936342	4.875912	4.94134	4.714053	4.221756	4.641909
AASS	ENSG0000	0.815344	1.653636	2.834474	0.01122	0.031861	-2.92024	1.861169	1.374745	1.78216	3.359513	2.948483	2.980206	2.981245	2.728183	2.959482	1.586365	1.851833	1.46518	1.733794	1.993753	1.695314	1.286141	1.581179	1.81044
PLEKHG6	ENSG0000	-0.00385	1.021378	-0.01708	0.986566	0.99129	-6.72243	0.41387	1.173893	0.421314	0.635873	0.106501	0.461789	0.548589	0.726566	0.256032	3.358771	3.339557	3.240362	4.531115	4.553723	4.527685	3.290193	3.440885	3.241681
SS18L2	ENSG0000	0.282612	3.497585	1.436427	0.168539	0.26764	-5.91328	2.19231	2.470453	2.079636	3.57705	3.855857	3.643939	2.480375	3.102941	3.00245	4.468423	4.292151	4.362268	4.241981	4.255082	4.237689	4.60593	4.372311	4.488745
MPND	ENSG0000	0.208642	3.529785	2.543477	0.020687	0.051664	-3.96862	3.487617	3.298545	3.190238	3.791129	3.855857	3.700636	3.523527	3.550079	3.708117	3.64455	3.330936	3.590847	4.118714	4.034047	3.945482	3.560228	3.659719	3.805852
MGST1	ENSG0000	0.099688	8.388148	1.3669	0.188982	0.291591	-6.63961	8.759154	8.759534	8.731842	9.219712	9.125376	9.17516	9.136722	9.109402	9.104931	7.815693	7.78884	7.763231	7.875683	7.965601	7.940249	7.563085	7.591733	7.649213
CRY1	ENSG0000	-0.08071	4.919929	-0.2239	0.825432	0.880712	-7.04307	6.54082	6.546977	6.615279	5.117849	5.221894	5.139498	6.395819	6.318523	6.389741	3.591745	3.447177	3.549937	4.753268	4.689902	4.435973	3.637781	3.772348	3.591857
NFIX	ENSG0000	0.674472	4.009555	2.707791	0.014674	0.039374	-3.61325	5.153322	5.120143	5.30675	5.015132	5.128856	5.085168	5.609312	5.458458	5.670411	1.940223	2.249583	2.136592	3.575762	3.606961	3.65138	3.341669	3.32748	3.228839
ST3GAL1	ENSG0000	0.765578	3.33124	2.827241	0.011394	0.032246	-2.77374	9.176344	9.146621	9.131332	9.513123	9.513427	9.523615	9.94525	9.898351	9.944255	0.415169	0.259702	0.16959	0.171976	0.190544	0.335616	0.183756	0.433238	0.214669
IL32	ENSG0000	-0.34895	2.118616	-1.17545	0.25558	0.370317	-5.76886	2.438959	2.748839	2.274882	2.97776	3.012388	2.675323	1.317361	0.824004	1.0941	2.356666	2.212518	2.546206	3.332595	3.310934	3.387537	2.819293	2.881762	2.570068
PKD1	ENSG0000	-0.15926	6.04572	-2.13065	0.047596	0.099722	-5.23803	6.655014	6.614281	6.847881	6.318771	6.501105	6.271226	6.534451	6.318523	6.474207	5.655065	5.922715	5.799558	5.44345	5.390798	5.28547	5.878217	5.759266	5.580449
MAPK8IP2	ENSG0000	0.420154	0.983473	1.367863	0.188686	0.291323	-5.25864	1.336422	1.508929	0.898566	2.143217	2.633282	2.784269	1.317361	0.824004	0.925731	1.158593	1.152172	1.248523	2.009285	2.039797	2.23906	1.734264	1.737342	1.973284
MED24	ENSG0000	-0.17196	6.607967	-2.49155	0.02303	0.056341	-4.66191	6.764225	6.817622	6.8761	6.178467	6.327751	6.394924	6.741204	6.551532	6.661798	6.71734	6.754944	6.764628	6.71903	6.567528	6.64337	6.596658	6.584417	6.557723
RHOBTB2	ENSG0000	0.018301	6.317984	0.152506	0.880535	0.920346	-7.3392	7.198464	7.238902	7.258994	7.402524	7.567102	7.505873	7.061964	7.196113	7.019088	5.41565	5.361828	5.483033	5.19838	5.167914	5.113381	5.677494	5.697845	5.572848
HEATR5B	ENSG0000	-0.05269	5.015663	-0.71273	0.485421	0.603777	-6.9221	4.69816	4.639292	4.799861	5.408686	5.33034	5.387592	5.038289	4.922558	4.789145	5.060666	5.188951	4.963598	5.498724	5.372923	5.493616	4.783949	4.881053	4.857474
SEC62	ENSG0000	0.031071	7.086579	0.429365	0.672904	0.764452	-7.40028	7.215107	7.192288	7.174995	7.109061	6.990643	7.182701	7.419472	7.432684	7.475965	7.021772	7.020547	6.985069	6.977203	7.04418	6.993819	6.798194	6.875001	6.848549
RPS20	ENSG0000	-0.07097	9.076548	-2.06666	0.05391	0.110038	-5.6287	9.278262	9.271656	9.247428	9.104981	9.086318	8.999589	9.139029	9.170887	9.178498	9.083982	9.061417	8.968101	8.867131	8.985833	8.993769	8.9604	8.994137	9.03633
CSDE1	ENSG0000	-0.10531	9.054926	-2.15965	0.044964	0.095314	-5.46967	9.09145	9.094875	9.038348	8.747451	8.681169	8.75484	8.918137	8.963002	8.962248	9.238888	9.235916	9.222994	9.188888	9.218671	9.237049	9.127517	9.140696	9.177308
UBE3C	ENSG0000	-0.19917	7.8567	-6.78467	2.75E-06	4.80E-05	4.298269	8.372644	8.414905	8.387341	7.919429	7.970514	8.002902	8.170094	8.14558	8.167967	7.774825	7.703756	7.729933	7.377926	7.386343	7.308538	7.603624	7.527922	7.575683
REV3L	ENSG0000	-0.20476	5.197136	-1.83038	0.0843	0.156401	-5.59519	5.672757	5.651972	5.722344	5.428807	5.279302	5.587238	5.409787	5.539589	5.346947	4.799721	5.051412	4.742826	5.286012	5.352544	5.267074	4.714053	4.710599	4.731125
PAX7	ENSG0000	-0.1258	1.162346	-0.75856	0.458222	0.578792	-5.71722	7.308029	7.404459	7.36082	7.425737	7.554636	7.489072	7.259054	7.244214	7.163334	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
FAM76A	ENSG0000	-0.18584	2.665041	-2.34073	0.031332	0.071689	-4.20432	2.649532	2.674627	2.514675	2.48816	2.605925	2.557474	2.480375	2.451551	2.588518	3.463254	3.1855	3.180357	3.221013	3.375198	3.326666	3.011667	3.138674	3.093712
POMT2	ENSG0000	-0.4561	5.011428	-5.76205	2.06E-05	0.000223	2.578757	5.779563	5.745568	5.821672	5.601826	5.713437	5.566032	5.120637	5.293887	5.046897	4.826087	4.739193	4.729802	4.621778	4.480488	4.444184	4.581158	4.477953	4.488745
VTA1	ENSG0000	-0.31112	6.254633	-3.20108	0.005094	0.017133	-3.15931	6.805475	6.844314	6.812375	6.204376	6.064398	6.164417	6.375839	6.391864	6.361138	6.154986	6.110718	6.138988	6.21154	6.196562	6.218323	5.942147	5.926002	6.015662
MLXIPL	ENSG0000	0.35685	0.986916	2.153527	0.045508	0.096226	-4.14637	2.021155	1.780637	1.744977	1.393812	1.373859	1.310092	1.816207	1.945386	1.777424	1.315703	1.369793	1.360915	1.186687	1.528499	1.639204	1.65509	1.851139	1.81044
BAZ1B	ENSG0000	0.145206	7.832262	2.88485	0.010077	0.029262	-3.9745	7.921253	7.933643	7.911505	7.916582	7.887746	7.987034	8.087873	8.197072	8.039761	7.768466	7.784505	7.735482	7.441537	7.443661	7.44469	7.860115	7.851375	7.887453
RANBP9	ENSG0000	0.726929	5.509291	13.4094	1.24E-10	2.36E-08	14.67735	4.992709	5.022548	5.002498	5.733834	5.547207	5.602196	5.760796	5.842522	5.677057	5.27918	5.29248	5.28714	5.651439	5.534411	5.64909	5.936577	5.953337	6.000631
ETV7	ENSG0000	0.318856	1.685529	1.643501	0.118146	0.2036	-5.35068	1.475543	1.744817	1.78216	0.841981	1.307481	1.055701	0.670238	1.367163	0.833554	3.0698	2.958081	3.149392	3.013417	2.714997	3.116699	3.530961	3.743163	3.641153
SPRTN	ENSG0000	0.167061	4.380089	1.35939	0.191305	0.294664	-6.07069	5.32262	5.288212	5.309937	4.833866	4.7142	4.829562	5.30568	5.535999	5.396113	3.420635	3.5985	3.696374	3.899458	3.826433	3.831176	3.824254	3.757829	3.889829
EEF1AKNIV	ENSG0000	-0.02009	6.867397	-0.33728	0.739919	0.817014	-7.42168	6.576037	6.502086	6.530413	6.914459	6.917424	6.960431	6.599072	6.361757	6.4988	7.156437	7.009109	7.072262	7.226768	7.125831	7.162545	7.127599	7.037081	7.068114
DYRK4	ENSG0000	-0.40645	-0.2824	-1.03738	0.313698	0.433366	-5.41593	3.801557	4.029182	3.88052	3.237064	3.394558	3.349911	3.33403	3.318907	3.82044	0.190076	0.330605	0.106501	0.106501	0.106501	0.186984	0.106501	0.19538	0.214669
ZNF207	ENSG0000	0.175939	7.726238	3.673438	0.001811	0.007486	-2.28603	7.992013	7.92966	7.997014	7.651412	7.622756	7.651759	8.284065	8.259909	8.226338	7.615319	7.515924	7.543413	7.332563	7.330709	7.359892	7.631037	7.600914	7.657023
UQCRC1	ENSG0000	-0.11472	7.57713	-2.21495	0.04031	0.087614	-5.27426	7.813894	7.775649	7.803755	7.161705	7.311714	7.177716	7.497567	7.470795	7.513582	7.828791	7.75097	7.802635	7.396022	7.324329	7.366927	7.868548	7.836339	7.829619
STARD3NL	ENSG0000	0.07088	5.556371	1.435962	0.16867	0.267733	-6.26926	5.596044	5.654387	5.731878	5.772136	5.684306	5.657664	5.843949	5.854103	5.833973	5.389369	5.425972	5.427652	5.498724	5.566222	5.485683	5.380055	5.387157	5.394592
CD9	ENSG0000	0.144868	5.87815	1.100489	0.286045	0.4037	-6.83504	3.682132	3.537122	3.783005	2.999448	3.207016	3.216292	3.296733	3.318907	3.655245	8.049391	8.046168	8.057647	9.14128	9.218358	9.181041	8.252154	8.30492	8.235211
NCAPD2	ENSG0000	-0.06185	6.027065	-0.57444	0.572992	0.681342	-7.24599	5.899743	5.873404	5.86564	5.491368	5.637789	5.535187	5.98838	6.025209	5.903632	6.829103	6.778911	6.705983	5.455005	5.633455	5.528785	6.572622	6.562656	6.630321
GIPR	ENSG0000	-0.17855	-0.17515	-1.00015	0.330884	0.45094	-5.68487	0.503316	0.499412	0.323815	0.635873	0.389229	0.3528	0.415731	0.387194	0.515351	1.940223	1.752042	1.631268	2.044674	1.710321	2.121111	1.419885	1.581179	1.81044
PHF7	ENSG0000	-0.84329	0.797208	-4.42703	0.000347	0.002015	0.347104	1.959273	1.849715	1.921989	1.393812	1.556428	1.669505	1.160105	0.915275	1.0941	1.586365	1.369793	1.439812	1.838325	1.846087	1.610309	1.13872	1.206659	1.273688
NISCH	ENSG0000	-0.00496	5.673082	-0.07719	0.939349	0.961352	-7.31811	5.590951	5.572461	5.727119	5.615935	5.779205	5.628736	5.67619	5.492201	5.56328	5.629096	5.611808	5.624853	6.098213	5.990731	6.064381	5.66576	5.669038	5.639864
FUZ	ENSG0000	-0.54999	1.633419	-3.53599	0.00245	0.00953	-1.69813	1.519087	1.551021	1.62731	0.934951	1.2379	1.188496	1.160105	1.430416	0.925731	3.08079	2.85362	3.247691	3.388755	3.310934	3.308792	2.692858	2.770449	2.350536
IDS	ENSG0000	0.13507	7.487078	2.473232	0.023914	0.057997	-4.79298	6.1677	6.239528	6.048426	6.560435	6.70502	6.65373	6.257073	6.073067	6.061811	8.49267	8.54187	8.444571	8.827837	8.881639	8.883184	8.682025	8.742505	8.708854
ZNF200	ENSG0000	-0.26238	4.951671	-3.44453	0.002994	0.011218	-2.48804	5.2241	5.204977	5.075454	4.325376	4.551652	4.218286	4.4712	4.709588	4.640652	5.512178	5.413777	5.539356	4.955062	4.944083	5.000996	5.496293	5.356168	5.380146
LRRC23	ENSG0000	-0.08561	3.592188	-0.9882	0.336541	0.457424	-6.34318	3.944154	4.036608	4.034833	3.753334	3.89028	3.75519	3.774765	3.749274	3.946814	3.471629	3.517242	3.419749	3.783794	3.576046	3.72061	3.43152	3.413359	3.601852
HFE	ENSG0000	0.861114	3.638476	6.448704	5.25E-06	7.74E-05	4.220539	3.774862	4.150501	3.638424	5.325276	5.114368	5.167927	4.80585	4.928048	4.91817	2.777267	2.546219	2.382761	3.281595	3.310934	3.244428	2.946659	2.921385	2.84714
SCMH1	ENSG0000	0.744795	4.29741	6.62938	3.70E-06	5.92E-05	4.419043	3.476616	3.59862	3.773804	4.938614	4.877535	4.824468	4.716879	4.690335	4.613192	4.182415	3.936355	3.973292	4.673561	4.627193	4.452348	4.500412	4.405289	4.494122
FYN	ENSG0000	0.022737	1.857171	0.309577	0.760543	0.832366	-6.84807	0.587539	0.582935	0.756332	0.841981	0.828511	1.123626	0.548589	0.824004	0.629397	4.364327	4.415514	4.338442	4.589193	4.476309	4.606616	4.426844	4.423801	4.286716
HIVEP2	ENSG0000	0.437971	4.865415	5.312964	5.22E-05	0.000455	1.638841	4.846543	4.988492	4.925655	5.077635	5.049849	5.110498	5.157514	5.164994	5.165072	4.323269	4.411431	4.310722	5.066862	5.02357	5.103047	4.900099	4.847164	5.03025
ELOA	ENSG0000	-0.11458	6.969678	-3.28602	0.004234	0.014769	-3.08307	6.667162	6.624173	6.707559	6.243524	6.377132	6.311829	6.587536	6.647826	6.544946	7.60679	7.57187	7.649228	7.253008	7.238089	7.24475	7.456697	7.397606	7.549455
LYPLA2	ENSG0000	0.221717	7.017546	3.498981	0.002657	0.010208	-2.62463	5.946343	5.99083	6.029223	6.211362	6.375108	6.280554	6.335028	6.256606	6.373466	7.608215	7.606659	7.60676	8.250514	8.202263	8.198957	7.771391	7.79383	7.72147
CLCN6	ENSG0000	-0.11558	3.555396	-0.99272	0.33439	0.454935	-6.37657	3.17016	2.9974	3.419917	3.753334	3.362223	3.765857	3.388228	3.592179	3.586306	4.087524	3.919204	4.008229	4.01993	4.067774	4.12984	3.567454	3.835933	3.571657
MRC2	ENSG0000	2.137226	4.088981	4.72064	0.000184	0.001222	0.694967	2.649532	2.636038	2.739267	7.005693	7.221089	6.931113	4.877071	4.59693	4.807433	2.282443	2.632935	2.485514	4.234338	4.235431	4.351192	4.199264	4.071361	4.037057
TSPAN9	ENSG0000	0.165105	2.729181	1.117431	0.278935	0.396209	-5.83592	4.538049	4.484999	4.314076	4.092964	4.139571	4.130213	4.479546	4.59693	4.45204	1.555182	1.300837	1.631268	1.878105	1.793303	1.851631	1.880661	1.737342	1.942153
BTBD7	ENSG0000	0.439388	6.045634	7.302335	1.05E-06	2.21E-05	5.435862	5.717835	5.741029	5.703085	6.097824	6.056841	6.087841	6.346481	6.425243	6.346621	5.970815	5.98997	5.853388	6.087648	6.103425	6.123092	6.094959	6.232019	6.251386
APBA3	ENSG0000	-0.09661	3.380661	-0.89712	0.381847	0.503671	-6.40333	3.633432	3.59862	3.845818	3.441022	3.441741	3.349911	3.315502	3.250449	3.357206	3.303547	3.470912	3.549937	3.719554	3.752319	3.6725	3.644629	3.651889	3.328509
MKS1	ENSG0000	-0.2796	3.950412	-3.46812	0.002843	0.01078	-2.19991	4.152058	4.190995	4.145977	3.766043	3.855857	3.700636	3.676552	3.786013	3.655245	4.295234	4.251617	4.213027	4.376523	4.190213	4.223448	3.951202	4.263465	4.115895
ABHD5	ENSG0000	0.074107	5.18002	0.790846	0.439634	0.560683	-6.93133	4.95357	4.921884	4.892035	5.213737	5.212855	5.313181	5.218618	5.088621	5.207006	5.499947	5.481554	5.467426	5.049546	5.093459	5.105638	5.496293	5.356168	5.406045
ANOS1	ENSG0000	0.760306	-0.51122	3.267557	0.004408	0.015227	-2.02417	0.106501	0.106501	0.219246	0.395333	0.512209	0.2349	0.106501	0.253663	0.256032	1.555182	1.875739	1.248523	3.409264	3.544454	3.593499	1.903678	2.146913	2.003758
AKAP8L	ENSG0000	0.057095	5.842516	1.251197	0.227352	0.337951	-6.5443	6.239421	6.193765	6.172636	6.137487	6.049244	6.131801	6.314182	6.405702	6.325625	5.577652	5.56295	5.616386	5.542705	5.345687	5.376231	5.577264	5.524288	5.552378
MBTD1	ENSG0000	0.400274	4.289406	4.068648	0.00076	0.003749	-0.96545	3.810347	3.768792	3.88052	4.171485	4.213935	4.096805	4.111894	4.299455	4.252911	4.161861	4.322908	4.182763	5.166607	5.22881	5.151487	4.570409	4.605057	4.607598
UTP18	ENSG0000	0.097703	6.219148	1.22204	0.237918	0.349888	-6.65076	5.999192	6.088736	5.999931	6.512219	6.428788	6.372415	6.089987	6.095194	6.145661	6.286596	6.215126	6.349456	6.201776	6.205427	6.160946	6.478027	6.334638	6.340636
RNF216	ENSG0000	0.164843	6.480215	4.400329	0.000368	0.002111	-0.56781	6.764225	6.702125	6.746881	6.812478	6.77884	6.765586	6.971664	6.929505	6.949428	6.137986	6.04635	6.082734	6.254679	6.196562	6.202679	6.184612	6.235953	6.189767
TTC19	ENSG0000	-0.00472	6.192552	-0.03496	0.972508	0.982092	-7.37942	7.026197	6.951322	7.065207	6.281638	6.203217	6.188405	6.843356	6.85221	6.796075	5.589243	5.573951	5.589242	5.775111	5.940035	5.844744	5.715389	5.795257	5.826176
PTBP1	ENSG0000	0.045072	8.418747	0.742373	0.467722	0.587267	-7.31454	8.658698	8.656966	8.747202	8.515012	8.639195	8.463193	8.658121	8.603943	8.676602	8.25895	8.257663	8.404563	7.904562	7.928221	7.943872	8.498362	8.444331	8.357868
DPF1	ENSG0000	-0.01541	0.802901	-0.11738	0.907901	0.939101	-6.35465	1.12723	1.118985	0.679585	0.742604	0.92021	0.746642	0.983587	1.001115	1.171446	2.30136	2.249583	2.34226	1.99126	2.016959	1.992654	2.35157	2.315011	1.973284
SYT7	ENSG0000	0.182782	2.812388	2.452756	0.024941	0.059906	-4.44608	0.947665	1.061904	1.028027	0.934951	1.087782	0.830331	1.074544	1.001115	0.735084	5.362601	5.40559	5.41143	6.443833	6.26963	6.253788	5.63686	5.595419	5.531613
LARS2	ENSG0000	-0.00908	5.247434	-0.192	0.849959	0.899069	-7.25016	5.2241	5.175008	5.204319	5.180897	5.075006	5.159862	5.208612	5.132077	5.165072	5.491736	5.425972	5.53487	5.258017	5.238714	5.212843	5.55381	5.405901	5.507891
PIK3C2A	ENSG0000	-0.08083	5.751775	-1.57178	0.133928	0.223995	-6.09603	5.797357	5.938276	5.826129	6.173706	6.154483	6.299033	5.750487	5.874148	5.800886	5.629096	5.655617	5.461135	5.740459	5.829692	5.706532	5.465685	5.449467	5.481066
PLAUR	ENSG0000	0.317951	6.895291	2.061449	0.054457	0.110897	-5.48059	6.284277	6.317804	6.275633	7.246902	7.272016	7.154564	6.868994	6.81121	6.897731	7.108909	7.023225	7.166617	6.839787	6.731693	6.74656	7.214732	7.213028	7.172398
ANLN	ENSG0000	0.046363	6.270352	0.17843	0.860437	0.906409	-7.41642	6.968467	6.973738	6.897437	6.354972	6.399213	6.324512	7.088123	7.200655	7.001986	6.764964	6.683944	6.808027	3.904282	3.993677	3.974116	6.703814	6.624981	6.711029
WIZ	ENSG0000	0.766092	5.622511	10.48405	5.81E-09	4.24E-07	10.79219	4.855064	4.804995	5.060398	5.90734	5.962929	5.958972	5.767627	5.477302	5.725949	5.240498	5.340512	5.396673	6.052224	6.002404	6.005955	6.138057	6.121538	5.952623
RABGAP1	ENSG0000	-0.08157	6.124662	-1.86237	0.079449	0.149662	-5.73207	5.588399	5.704199	5.620809	6.087736	6.061883	6.029279	5.672555	5.767957	5.673738	6.445965	6.487528	6.434595	6.763516	6.694395	6.778568	6.31589	6.270882	6.24183
QPCTL	ENSG0000	0.005922	3.77865	0.061647	0.951543	0.968613	-6.85617	4.351916	4.223893	4.102541	4.290615	4.284653	4.170914	4.393833	3.868266	4.132351	3.349712	3.423044	3.451828	3.86027	3.738425	3.78667	3.630901	3.520448	3.387478
PPP5C	ENSG0000	0.017466	6.434937	0.396102	0.696823	0.783067	-7.36464	6.45374	6.41787	6.4818	6.211362	6.216843	6.202215	6.44139	6.471088	6.35286	6.596185	6.674605	6.722514	6.260335	6.253845	6.233798	6.741831	6.73655	6.671239
CEP68	ENSG0000	-0.56546	4.53353	-6.66389	3.46E-06	5.61E-05	4.435939	4.369865	4.197635	4.294909	4.778495	4.752128	4.879531	3.440463	3.178579	3.681923	5.123134	4.978771	4.895252	5.490727	5.512128	5.51326	4.609434	4.580516	4.59264
MAP4K3	ENSG0000	0.019289	5.453986	0.266298	0.793126	0.856054	-7.23861	5.304069	5.325066	5.248163	5.768983	5.735694	5.906913	5.392213	5.495903	5.404147	5.495847	5.525662	5.40489	5.448413	5.499826	5.650865	5.380055	5.391866	5.403191
TMEM159	ENSG0000	-0.0316	3.973609	-0.25616	0.800819	0.862128	-7.01884	3.774862	3.667203	3.736403	3.21869	3.207016	3.335661	3.423261	3.521314	3.143496	4.476768	4.506366	4.441093	5.081845	5.029288	5.068941	4.55958	4.596923	4.572451
GABRA3	ENSG0000	0.123537	1.325872	1.381301	0.184592	0.28661	-5.92618	0.318509	0.410755	0.421314	0.395333	0.828511	0.461789	0.269385	0.253663	0.629397	4.19764	4.247042	4.112253	4.718081	4.70069	4.820398	4.386563	4.242761	4.280507
BRCA1	ENSG0000	-0.37832	4.697826	-1.44405	0.166412	0.265005	-6.15155	5.53637	5.533626	5.503257	4.915985	4.813207	4.788301	5.109925	5.002785	5.041756	5.422146	5.544427	5.396673	2.67247	2.565626	2.618601	5.19652	5.193075	5.137206
ERCC1	ENSG0000	0.0516	6.075164	0.360576	0.722738	0.803617	-7.29894	6.507427	6.42071	6.501443	5.969096	6.166236	6.077174	6.591391	6.598762	6.631323	5.698525	5.561109	5.698897	6.157	6.053799	6.219519	5.60737	5.714857	5.588012
CD22	ENSG0000	-0.54816	-0.14129	-2.50322	0.022482	0.0552	-3.84197	0.882475	0.582935	0.679585	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.857636	3.709078	3.738597	1.498836	1.793303	1.610309	3.630901	3.37582	3.660409
SEMA3B	ENSG0000	-0.52277	3.571813	-4.35471	0.000406	0.002283	-0.25998	3.691678	3.695626	3.764544	2.887595	2.926537	2.741673	2.832807	2.777669	2.697131	4.421642	4.443776	4.488257	4.290695	4.235431	4.456413	4.280646	4.258317	3.831562
MBTPS2	ENSG0000	-0.13994	6.197259	-2.87834	0.010219	0.02957	-3.82648	6.833772	6.903387	6.816862	6.277206	6.200933	6.382847	6.768706	6.794778	6.826285	6.10472	6.156567	6.126123	5.27674	5.399654	5.367623	5.975118	5.830372	5.898914
PRICKLE3	ENSG0000	0.30293	4.505324	2.583082	0.019053	0.048416	-4.12914	4.467563	4.395423	4.476008	4.753186	4.971631	4.814227	4.504297	4.194045	4.45204	4.443094	4.335892	4.282459	4.450951	4.463697	4.617548	4.829736	4.90101	4.914724
EXTL3	ENSG0000	0.636658	5.703271	10.22333	8.51E-09	5.83E-07	10.36915	5.230664	5.198371	5.029808	5.1029	5.217382	5.283793	5.991301	5.899518	5.79784	6.023031	5.960931	5.962072	5.693852	5.655804	5.565001	6.600185	6.448634	6.535733
ELOVL5	ENSG0000	0.200264	7.342675	1.585334	0.130816	0.220082	-6.27707	7.045868	7.162052	7.114327	7.841269	7.894828	7.88431	7.556939	7.566293	7.47882	7.357921	7.269794	7.232272	7.047032	7.041353	7.041273	7.264481	7.204354	7.333273
KDM5D	ENSG0000	0.30596	4.182435	3.097154	0.006383	0.020424	-2.9765	3.836399	3.829904	4.057757	4.707799	4.726954	4.745826	4.591583	4.504423	4.505294	3.914031	4.040487	4.012537	4.483553	4.349511	4.398437	3.989359	3.870083	4.197255
CALCOCO1	ENSG0000	-0.28343	5.223936	-1.31756	0.204661	0.310641	-6.31229	5.616234	5.531	5.625931	5.573188	5.726197	5.516359	5.071794	4.889176	5.107194	4.641707	4.665681	4.53991	6.123258	6.144832	6.192968	4.563199	4.695442	4.572451
UBR7	ENSG0000	0.356565	5.777744	2.319699	0.032691	0.074145	-4.9003	5.210884	5.134056	5.075454	5.684481	5.613956	5.657664	6.005819	6.063123	6.114173	6.25662	6.230272	6.285921	5.477839	5.572109	5.546053	6.178727	6.224119	6.173105
MAP4K5	ENSG0000	-0.02715	6.15554	-0.38235	0.706814	0.791443	-7.33913	6.126062	6.132709	6.056036	5.746715	5.521816	5.767901	6.148732	6.15961	5.991568	6.442774	6.426122	6.356252	6.340834	6.458395	6.385395	6.305125	6.385107	6.428903
EHD3	ENSG0000	0.257257	4.117347	0.95414	0.353024	0.47435	-6.48335	3.361722	3.676739	3.597291	5.359221	5.438974	5.227023	3.632324	3.335526	3.641718	4.009149	4.066685	4.075663	4.337818	4.354074	4.381435	4.454386	4.442079	4.359215
PSMC4	ENSG0000	0.134404	7.396985	4.297035	0.000461	0.002528	-0.90072	7.074426	6.998666	7.122505	7.260438	7.223341	7.215172	7.203457	7.136902	7.252803	7.606315	7.556237	7.547501	7.676114	7.654411	7.669241	7.71842	7.678602	7.712273
MAN2B2	ENSG0000	0.286232	6.564286	5.147824	7.39E-05	0.000599	1.060229	5.952311	5.811984	5.931247	7.319824	7.430506	7.360373	6.273964	6.291095	6.233947	6.167928	6.186741	6.260789	7.340594	7.315582	7.33085	6.434237	6.398038	6.420456
SLC25A39	ENSG0000	0.044858	7.407975	1.143717	0.268164	0.384575	-6.86316	7.559427	7.526831	7.533618	7.361243	7.547464	7.403707	7.516955	7.488551	7.51729	7.328829	7.311472	7.329146	7.319981	7.19804	7.250029	7.458642	7.483942	7.36663
MVP	ENSG0000	-0.24659	7.508817	-3.73812	0.001571	0.006692	-2.11436	7.656456	7.576712	7.660096	7.829209	8.06646	7.817305	7.189535	7.181249	7.231515	7.305595	7.267537	7.235501	7.971026	7.847595	7.893794	7.123928	7.25434	7.201446
NUB1	ENSG0000	-0.06835	6.871165	-1.13783	0.270548	0.387161	-6.82263	6.914458	6.905416	6.916375	6.735413	6.693695	6.786691	6.915871	6.776637	6.855875	6.895967	6.884306	6.888168	7.130205	7.042767	7.097663	6.814227	6.791041	6.865242
PGM3	ENSG0000	0.062185	5.852645	1.458857	0.162342	0.260183	-6.25411	6.3789	6.296311	6.293448	6.547611	6.375108	6.479985	6.466799	6.310139	6.361138	5.264796	5.370266	5.271048	5.482686	5.453801	5.382653	5.351042	5.391866	5.362617
RWDD2A	ENSG0000	-0.16263	2.249091	-1.02174	0.320838	0.440538	-5.88567	2.965042	2.950996	2.739267	3.425084	3.426184	3.231764	2.908934	2.357042	2.202855	1.704765	2.074736	1.896649	2.602951	2.784257	2.647333	2.154563	2.006592	1.910335

CLK1	ENSG0000	0.596163	5.389625	4.669486	0.000205	0.001327	0.197638	5.111261	5.070363	5.16615	6.329513	5.962929	6.213949	6.215207	6.107342	6.079477	4.992463	4.851948	4.745417	5.297059	5.178243	5.418515	4.994249	4.99066	4.965925
POLR3B	ENSG0000	0.036344	4.938097	0.655547	0.520652	0.635047	-6.93518	5.515021	5.455446	5.497679	5.346585	5.194607	5.257578	5.733141	5.521547	5.59521	4.588795	4.616873	4.651854	4.35554	4.403337	4.406863	4.664377	4.460128	4.536426
ANGEL1	ENSG0000	-0.31827	4.942732	-4.5583	0.000261	0.0016	-0.07696	4.543331	4.644161	4.520694	4.031135	4.020303	4.202668	4.034706	3.956862	3.844255	5.871466	5.899582	5.850985	5.886577	5.769478	5.838529	5.763367	5.631703	5.663916
RNF14	ENSG0000	-0.37636	6.240414	-7.3475	9.63E-07	2.09E-05	5.497954	6.543459	6.500744	6.501443	6.142369	5.994917	6.154304	5.925627	6.095194	5.970082	6.468108	6.414949	6.508901	6.224136	6.331098	6.272352	6.184612	6.212188	6.23863
DNASE1L1	ENSG0000	0.224951	5.390728	1.765867	0.09488	0.171494	-5.67316	6.145295	6.059873	6.120966	6.225234	6.265735	6.311829	6.508178	6.377892	6.340354	4.237473	4.340194	4.317702	5.136171	5.068687	5.108223	4.519164	4.263465	4.45054
DDX11	ENSG0000	-0.39684	5.261528	-8.4755	1.34E-07	4.44E-06	7.577056	4.949597	4.747329	5.014266	4.082842	3.967543	4.053927	4.393833	4.497055	4.339245	6.575937	6.534276	6.463205	5.838236	5.767769	5.782968	6.134413	6.214848	6.18811
HEBP1	ENSG0000	-0.36379	4.440879	-2.54192	0.020753	0.051776	-4.15956	5.121892	5.137514	5.075454	4.619522	4.447623	4.586466	4.651903	4.59002	4.490278	4.207702	4.071868	4.268117	4.630539	4.541772	4.691833	4.108069	3.942484	3.999746
GPRC5A	ENSG0000	-0.07354	9.109104	-0.44726	0.660179	0.755377	-7.53451	9.606251	9.495963	9.523205	8.937088	8.960681	8.977675	9.469796	9.315861	9.460285	8.738467	8.707747	8.68941	9.359314	9.333454	9.355098	8.680776	8.715524	8.687307
MAMLD1	ENSG0000	0.67313	2.528006	3.334203	0.003811	0.013564	-2.1583	3.011517	2.748839	3.06005	2.97776	2.85862	3.069023	3.66196	3.592179	3.357206	2.763691	2.500824	2.638296	1.446877	1.622273	1.550722	3.350072	3.104657	3.093712
TACC3	ENSG0000	-0.01914	6.521789	-0.12534	0.901683	0.935032	-7.45718	6.843439	6.688047	6.71839	6.286057	6.495526	6.259951	6.848198	6.738093	6.717662	7.015342	6.906959	7.095294	5.399705	5.495702	5.3633	6.947571	6.965442	6.924184
UFL1	ENSG0000	-0.19088	5.456185	-3.36174	0.003588	0.01292	-2.69042	5.757007	5.725032	5.872121	5.612421	5.694082	5.73299	5.679816	5.783182	5.719525	5.44146	5.35759	5.388409	5.134119	5.313248	5.339289	5.062316	5.057388	5.157678
POLA2	ENSG0000	-0.03624	4.617879	-0.24001	0.813118	0.871819	-7.20509	4.816318	4.813666	4.363979	3.70135	4.009905	3.964146	4.528631	4.357565	4.534865	5.653226	5.659064	5.714848	3.60569	3.738425	3.760608	5.77121	5.740928	5.622786
ZC3H3	ENSG0000	0.428668	5.24187	7.278761	1.09E-06	2.29E-05	5.468889	4.48962	4.468622	4.520694	5.082724	4.987618	4.76722	5.136557	4.759705	5.07736	5.477252	5.477654	5.609292	5.929806	5.819829	5.797461	5.942147	5.866346	5.890784
CAPN1	ENSG0000	0.139477	7.42286	2.32788	0.032156	0.073151	-5.06518	6.289001	6.341981	6.383909	6.430757	6.652507	6.349549	6.222684	6.212301	6.249637	8.286803	8.212913	8.352197	8.763414	8.683556	8.678747	8.584348	8.567552	8.551763
ACP3	ENSG0000	1.628083	1.787434	4.074148	0.000751	0.003712	-0.44721	1.475543	1.420874	1.667608	2.103714	1.718467	2.5075	3.988671	3.89093	4.05282	2.100009	1.899254	1.538714	1.954519	1.793303	1.900186	1.880661	2.274787	1.775544
MDH1	ENSG0000	-0.1942	7.351136	-4.35063	0.00041	0.002296	-0.76816	7.677627	7.679903	7.592367	7.507474	7.324358	7.414764	7.407493	7.582918	7.41664	7.311439	7.27261	7.326986	7.164289	7.265597	7.238273	7.068353	7.111054	7.123801
SLC30A9	ENSG0000	-0.05245	7.068763	-1.35574	0.192441	0.295966	-6.57656	7.026197	7.07638	7.052899	7.141122	6.976026	7.211275	6.905069	6.998961	7.038572	7.043704	7.10766	7.112956	7.163787	7.245476	7.178627	7.017163	7.081482	7.05998
MTMR11	ENSG0000	0.08896	3.38032	0.369514	0.716184	0.799045	-6.73454	4.036946	4.029182	3.764544	2.97776	3.033076	3.069023	4.358069	4.019913	4.305329	3.284659	3.348126	2.948194	3.680716	3.536446	3.65138	3.022222	2.99751	3.375875
COX15	ENSG0000	-0.18267	5.960485	-3.35051	0.003678	0.013161	-2.76224	6.757423	6.927553	6.839086	6.532815	6.457769	6.564898	6.688182	6.641157	6.622742	5.445717	5.294698	5.421185	5.354592	5.246098	5.310386	5.280253	5.157568	5.227124
CCDC88C	ENSG0000	0.327092	5.280894	2.418843	0.026734	0.063272	-4.66821	4.867751	4.738249	4.720675	4.281793	4.310303	4.28655	4.437325	4.203129	4.305329	5.81005	5.877552	5.688165	6.401807	6.350638	6.334405	6.423327	6.478826	6.356957
YAF2	ENSG0000	0.133094	3.191165	1.454268	0.163595	0.26163	-5.66651	3.337603	3.370829	3.500214	3.619685	3.784444	3.838399	3.66196	3.84524	3.306673	2.966925	2.889287	3.068941	3.325419	3.348006	3.378997	3.083983	3.058015	2.912845
ZMYND11	ENSG0000	0.090463	6.533596	1.473519	0.158393	0.255319	-6.34624	6.979225	6.931542	6.991718	6.900119	6.764994	6.83181	7.192076	7.194975	7.266088	6.198522	6.096801	6.138988	6.107656	6.104779	6.012871	6.067194	6.066639	6.06346
BID	ENSG0000	0.165475	5.50945	1.350936	0.193947	0.297778	-6.40303	5.531062	5.51514	5.594921	5.122798	5.244245	5.097889	5.324334	5.27247	5.117003	5.339908	5.436055	5.565981	5.956761	5.904702	5.955152	6.015301	5.899792	5.872323
XYLT2	ENSG0000	0.394285	5.058675	6.797151	2.69E-06	4.72E-05	4.603837	4.730936	4.729112	4.662041	5.355021	5.313527	5.215396	5.082792	4.997573	5.107194	4.905504	4.984279	4.941174	5.311659	5.246098	5.271695	5.380055	5.405901	5.220652
NUDCD3	ENSG0000	-0.20384	6.426341	-4.18911	0.000584	0.003038	-1.02728	6.719429	6.606818	6.71599	6.55861	6.703408	6.626187	6.384753	6.450256	6.4988	6.244453	6.294863	6.334908	6.543836	6.455213	6.479275	6.131979	6.125784	6.113222
CHDH	ENSG0000	0.065901	2.54871	0.34131	0.736939	0.814487	-6.61648	2.080492	2.308123	2.018628	2.661411	2.835252	2.805104	1.966276	2.420731	2.408535	3.358771	3.532361	3.413246	2.781373	2.627242	2.870883	3.538334	3.297679	3.477085
GLT8D1	ENSG0000	0.460206	5.56203	7.432434	8.25E-07	1.84E-05	5.751747	4.988842	5.022548	4.946277	6.110336	5.952107	6.051247	5.527156	5.543171	5.500968	5.316853	5.34694	5.310072	6.012561	5.903146	6.051003	5.700678	5.678704	5.736026
ATP2C1	ENSG0000	0.384533	7.295723	8.71968	8.90E-08	3.36E-06	7.875974	7.451891	7.544519	7.450887	7.861394	7.692689	7.80119	7.948278	7.96043	7.957532	6.632118	6.689855	6.669617	7.008345	6.973285	7.000794	6.964089	6.891721	7.004551
SLC38A5	ENSG0000	-0.21299	2.560893	-1.23619	0.232742	0.343803	-5.5851	5.403266	5.433112	5.402389	4.803367	4.819175	4.622128	5.167879	5.122533	5.131593	0.982259	1.228418	1.360915	0.828978	0.550009	0.812339	1.482378	1.2488	1.416439
RALBP1	ENSG0000	-0.45223	6.308648	-9.27477	3.63E-08	1.73E-06	8.839376	5.85584	5.879612	5.901987	5.517909	5.507103	5.550692	5.347317	5.38452	5.300358	7.205589	7.165775	7.281299	7.240663	7.147679	7.173698	6.845768	6.804349	6.830599
RUFY3	ENSG0000	-0.09396	3.808236	-1.33268	0.199749	0.30464	-6.07551	3.623492	3.695626	3.597291	3.487804	3.759832	3.655458	3.66196	3.550079	3.306673	4.13047	4.237848	4.116262	4.352013	4.472117	4.496442	4.088113	4.041704	4.177341
CNTN1	ENSG0000	-0.10952	4.862332	-0.43945	0.665718	0.759793	-6.5949	7.545017	7.458674	7.437111	9.240351	9.184941	9.279809	7.178043	7.167391	7.329684	1.239286	1.529011	1.46518	2.749557	2.657091	2.675503	2.368215	2.465551	2.48622
WWTR1	ENSG0000	0.18314	7.936009	1.697879	0.107263	0.188867	-6.14272	7.983781	8.054701	8.028784	8.84351	8.827869	8.75885	8.162987	8.107986	8.129113	7.457729	7.437283	7.41627	7.576113	7.525836	7.588669	7.645191	7.716636	7.701856
AGPS	ENSG0000	-0.14103	6.911946	-3.28573	0.004236	0.014771	-3.0399	7.368795	7.384956	7.239911	7.42273	7.361638	7.378732	7.183162	7.237598	7.100448	6.650677	6.613718	6.621774	6.558447	6.478387	6.5303	6.521457	6.500789	6.492066
CXorf56	ENSG0000	-0.23239	5.125177	-2.96173	0.008547	0.025672	-3.50927	5.465799	5.541478	5.347631	4.87551	4.776871	4.735009	5.277239	5.331655	5.087374	5.351299	5.267851	5.332646	5.140267	5.000472	5.208029	5.117505	5.089629	5.073988
TTC27	ENSG0000	-0.32101	5.435334	-3.51767	0.00255	0.009848	-2.35572	6.040867	6.072572	6.100872	5.44865	5.36339	5.562977	5.448564	5.564476	5.584645	5.269607	5.231258	5.341234	5.338642	5.231292	5.343684	5.217339	5.168587	5.133766
ZNF582	ENSG0000	-0.00076	2.500748	-0.00723	0.994315	0.995853	-6.91015	2.051128	1.465573	1.406977	1.393812	1.307481	1.123626	1.70672	1.605065	1.38134	4.037631	4.097507	4.293123	4.457531	4.472117	4.504317	4.185243	4.216457	4.073428
PHLDB1	ENSG0000	-0.53965	5.695616	-3.18239	0.005305	0.017684	-3.1413	5.641082	5.587707	5.605332	4.93299	5.226392	4.918297	4.709802	4.474723	4.444269	6.20983	6.204547	6.225965	7.083114	6.924264	6.99312	6.002031	5.992618	5.938889
CYP24A1	ENSG0000	-0.20722	5.918184	-3.83116	0.00128	0.00571	-1.75011	6.02018	5.981241	5.999931	6.028317	6.028789	6.004722	5.817858	5.913422	5.860491	5.905864	5.9083	5.950891	6.179064	6.143514	6.221909	5.64029	5.718611	5.647122
PRDM11	ENSG0000	-0.0429	2.789072	-0.27847	0.783916	0.848944	-6.57314	3.520128	3.323044	3.322321	2.955742	3.093416	3.432575	3.004565	2.981485	2.846105	2.664903	2.485369	2.497858	3.157774	3.141796	2.95373	2.782512	2.895091	2.84714
SNAI2	ENSG0000	-0.74248	3.342846	-7.89245	3.63E-07	9.65E-06	6.635438	1.826927	1.915637	1.987129	1.104644	1.006428	1.367251	0.983587	0.824004	0.735084	6.532567	6.271401	6.562774	6.480638	6.497074	6.589794	5.757061	5.761087	5.8578
CD74	ENSG0000	-1.18224	0.795317	-5.72982	2.20E-05	0.000234	2.745153	0.41387	0.215206	0.323815	0.106501	0.25478	0.2349	0.106501	0.622068	0.39151	4.276236	4.318554	4.331562	5.377325	5.1936	5.255457	3.094024	3.215061	3.065099
ZRANB1	ENSG0000	0.108825	4.886298	1.452393	0.164109	0.262129	-6.08998	5.042051	5.227863	5.183625	5.491368	5.446705	5.414959	5.365443	5.462247	5.54523	4.541844	4.5846	4.601264	4.53734	4.608219	4.444184	4.489042	4.442079	4.461559
NCDN	ENSG0000	-0.09663	6.066438	-1.92489	0.070677	0.136239	-5.6364	5.691909	5.727328	5.731878	5.694487	5.74826	5.651925	5.61311	5.344028	5.556087	6.514442	6.477799	6.632311	6.599184	6.496042	6.579581	6.575313	6.553228	6.426093
ADGRA2	ENSG0000	0.362272	0.419996	1.487106	0.154805	0.250555	-4.99445	1.18244	1.420874	1.406977	1.840866	2.117603	1.757653	1.240874	1.367163	0.925731	0.7264	0.524532	0.807652	1.644349	1.393161	1.610309	1.017342	1.206659	1.115245
ZFP64	ENSG0000	0.164669	5.04493	2.741263	0.013673	0.037337	-3.92187	5.275788	5.181722	5.274496	5.227586	5.26188	5.280077	5.333571	5.146277	5.321722	4.864753	4.739193	4.892917	4.883573	4.732581	4.863891	5.075046	5.089629	5.174518
MNAT1	ENSG0000	-0.51554	4.272717	-7.59624	6.14E-07	1.48E-05	6.186868	4.553837	4.691972	4.711067	3.740513	3.820593	3.818042	4.154215	3.868266	4.112876	4.81954	4.824575	4.8741	4.319876	4.367677	4.342433	4.418877	4.323851	4.541628
SAMD4A	ENSG0000	-0.34541	5.553378	-1.43637	0.168555	0.26764	-6.29557	6.004946	5.805478	6.027288	4.647264	4.726954	4.772519	5.777814	5.896721	5.863407	5.726788	5.796904	5.605019	6.044597	6.034029	6.149693	5.15875	5.219805	5.302602
MRE11	ENSG0000	-0.19228	4.614745	-2.99751	0.007914	0.024078	-3.38041	4.478633	4.360345	4.476008	4.112999	4.071202	4.264152	4.225415	4.256466	4.288067	5.36934	5.35759	5.339521	4.720818	4.777434	4.595601	5.110102	5.104049	5.280993
PLEKHB1	ENSG0000	-0.15836	2.642872	-0.79459	0.437512	0.558727	-6.47036	1.681202	1.744817	1.987129	2.791417	2.366112	2.532704	0.886508	0.622068	0.515351	3.87036	4.200477	4.108233	5.132064	5.112436	4.992623	4.052512	4.30899	4.203832
SERPINB1	ENSG0000	-0.23922	7.096681	-1.33547	0.198856	0.303569	-6.61244	7.927326	7.91865	7.861895	6.438717	6.51404	6.479985	7.275922	7.456621	7.389583	6.878752	6.958238	6.955166	6.96571	7.01854	6.99172	6.92946	7.032565	6.951799
SPAST	ENSG0000	-0.14005	5.088514	-1.44852	0.165174	0.26334	-6.16293	5.37392	5.477439	5.446484	5.16659	5.109506	5.093661	5.115291	5.447033	5.291723	4.92393	4.964909	4.888235	5.186547	5.263181	5.224807	4.826728	4.822959	4.75819
OSBPL5	ENSG0000	0.056333	5.354161	0.457061	0.653257	0.749564	-7.11645	5.87482	5.91429	5.823902	5.733834	5.797458	5.657664	5.729647	5.7054	5.825024	4.569418	4.806033	4.660116	5.508262	5.366162	5.33488	4.905811	4.952919	4.894538
AQR	ENSG0000	-0.01346	6.762707	-0.23425	0.817512	0.874949	-7.43705	7.048657	6.971803	7.045272	6.848773	6.6625	6.749552	7.006734	6.947185	6.99801	6.613318	6.66349	6.562039	6.68088	6.572431	6.728186	6.607213	6.555329	6.715639
CPS1	ENSG0000	0.853514	7.818584	2.390078	0.028348	0.066224	-4.63191	10.44128	10.42799	10.44183	12.51365	12.4105	12.47357	11.57947	11.5747	11.56961	4.619268	4.623947	4.518865	3.904282	3.946112	3.910354	4.254026	4.195062	4.094818
FHL1	ENSG0000	1.009012	4.972756	8.365693	1.61E-07	5.19E-06	7.577946	5.343965	5.396065	5.30675	6.997633	6.869341	6.87556	6.602897	6.528227	6.643251	3.303547	3.373534	3.346558	4.35554	4.407733	4.315833	3.623987	3.863317	3.611778
RTF2	ENSG0000	0.010638	6.435787	0.145363	0.886088	0.924244	-7.42163	6.492486	6.429199	6.406409	6.292659	6.348532	6.269353	6.497944	6.489769	6.506283	6.348156	6.423083	6.417639	6.69904	6.68718	6.718064	6.429288	6.328511	6.370175
NLRP2	ENSG0000	-0.2907	1.53341	-1.02228	0.320588	0.440294	-5.73521	2.438959	2.534795	2.5366	2.933382	2.970101	2.885561	1.459147	1.658879	2.34318	1.490718	1.529011	1.46518	1.27873	1.793303	1.580823	1.784732	1.581179	1.942153
SLC45A4	ENSG0000	0.507341	5.157641	4.283049	0.000475	0.00259	-0.59132	5.217507	5.253581	5.248163	6.152084	6.296007	6.250487	5.63569	5.408281	5.566863	4.290508	4.283241	4.369004	4.92689	4.830791	4.882136	5.064871	4.943327	5.026544
RNF10	ENSG0000	0.038961	7.371447	0.900338	0.380179	0.502274	-7.09324	7.4941	7.570331	7.539737	7.851739	7.88348	7.80119	7.653226	7.642567	7.595675	7.098132	6.991439	7.133375	7.131748	7.173725	7.120897	7.065167	7.049801	7.055442
ZNF839	ENSG0000	-0.24464	4.00705	-2.14372	0.046393	0.097807	-4.89056	4.500523	4.435299	4.37619	3.441022	3.329147	3.377995	4.225415	4.184903	4.372382	4.425958	4.463628	4.238998	4.191564	4.028349	3.86826	4.062774	4.156841	4.122853
ZDHHC6	ENSG0000	0.249608	5.29467	2.616208	0.017782	0.045798	-4.20749	5.139438	5.204977	5.082923	5.830775	5.726197	5.778475	5.448564	5.495903	5.598715	5.136363	5.027603	5.292465	5.13822	5.112436	5.126195	5.240125	5.287071	5.323893
GRAMD1B	ENSG0000	0.28376	2.150925	1.579757	0.132089	0.22159	-4.84921	9.034683	9.041203	9.015354	9.651183	9.597649	9.660855	9.419716	9.276865	9.245703	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RNH1	ENSG0000	-0.00891	6.812565	-0.15786	0.876376	0.917338	-7.45368	7.118443	7.088935	7.155645	6.91731	7.076608	6.859464	7.009618	6.929505	7.000662	6.560316	6.468986	6.646241	6.693477	6.630946	6.688994	6.712802	6.713224	6.595729
NDUFS1	ENSG0000	-0.07999	7.523364	-1.72189	0.102738	0.182595	-6.07854	7.955334	7.979155	7.957435	7.905137	7.891291	7.938945	8.028677	8.008507	8.028112	7.230477	7.24075	7.154972	7.10056	7.096857	7.087871	6.932961	6.956728	7.079782
RB1CC1	ENSG0000	0.124596	6.346858	1.119122	0.278233	0.395694	-6.78881	5.975942	5.963819	5.988045	6.059623	6.046703	6.0137	6.081788	6.225736	6.084485	6.401729	6.434193	6.290363	7.164792	7.225693	7.169371	6.476108	6.401545	6.579383
ERP44	ENSG0000	0.265005	6.321619	3.483885	0.002746	0.010484	-2.57448	6.040867	6.043381	6.067376	6.209037	6.108926	5.99342	6.307166	6.318523	6.183495	6.214827	6.205726	6.339202	6.820137	6.776574	6.836635	6.56	6.479932	6.622978
ALAS1	ENSG0000	-0.17494	6.055063	-2.37138	0.029446	0.068206	-4.78848	6.674401	6.803545	6.654657	6.292659	6.395223	6.384578	6.735989	6.692053	6.758969	5.780019	5.694779	5.874844	5.538057	5.417203	5.495593	5.382106	5.35134	5.497221
BIRC3	ENSG0000	-0.24933	5.144433	-0.5758	0.572092	0.680614	-6.951	7.327294	7.333883	7.330549	4.96641	4.825118	5.055043	7.081285	6.775114	6.942549	3.651939	3.619889	3.843887	4.561973	4.592857	4.573316	3.603046	3.863317	3.770842
AKAP11	ENSG0000	0.057384	6.443962	1.025577	0.319077	0.438868	-6.89682	6.25238	6.296311	6.33157	6.510332	6.373081	6.642197	6.489704	6.436841	6.40983	6.505294	6.666063	6.40786	6.497497	6.515522	6.458146	6.482811	6.487651	6.535733
GLRX2	ENSG0000	0.296613	4.2339	2.586638	0.018913	0.048128	-4.05612	4.239263	4.306074	4.16017	4.540361	4.462952	4.480358	4.926746	4.889176	4.837409	4.217694	4.176619	4.335006	3.669424	3.970091	3.831176	4.203908	4.216457	4.177341
SNAPC1	ENSG0000	-0.81861	5.273598	-4.61139	0.000233	0.00146	0.015602	6.023964	5.846194	5.957896	4.218476	4.267295	4.256608	5.208612	5.335791	5.296047	5.919702	5.762057	6.009185	5.50191	5.460164	5.503472	5.110102	5.012228	4.98132
DERA	ENSG0000	-0.27675	4.911578	-2.76686	0.012953	0.035802	-3.85127	5.420591	5.410426	5.431935	4.667726	4.758354	4.71863	4.974767	5.210752	5.005251	4.899309	4.950911	4.895252	4.863895	4.922739	4.992623	4.793224	4.664642	4.7174
STRAP	ENSG0000	-0.10453	7.910416	-3.70802	0.001679	0.00704	-2.2275	7.975013	8.010604	7.999976	7.81246	7.798429	7.770399	7.85754	7.868495	7.816418	8.059497	7.97844	8.052426	7.872301	7.862084	7.869232	7.978667	7.927133	7.989953
ABCC2	ENSG0000	-0.15006	4.205674	-0.55256	0.587562	0.692482	-6.16406	8.577678	8.621295	8.667784	9.046283	8.909853	9.025621	8.593748	8.497665	8.458153	1.278001	1.467416	1.248523	0.610222	0.837535	0.593579	0.576451	0.816175	0.999041
DEF6	ENSG0000	0.292699	2.374358	2.482965	0.02344	0.057129	-4.03978	1.959273	1.551021	1.888281	1.688986	1.087782	1.669505	1.917967	1.945386	1.620777	3.340597	3.517242	3.647349	3.884887	3.793216	3.910354	3.900611	3.808018	3.753014
PLEKHO1	ENSG0000	0.745163	0.949883	3.141275	0.005801	0.018976	-2.23791	1.18244	1.002471	1.358564	2.181668	2.605925	2.374422	2.01302	1.945386	1.620777	1.073118	1.300837	1.188864	1.644349	1.282615	1.826726	1.419885	1.206659	1.665483
GCLM	ENSG0000	0.006591	6.201119	0.070172	0.944853	0.964215	-7.34653	7.6595	7.696406	7.593021	6.50655	6.623812	6.513603	7.972872	7.927237	7.824672	5.608358	5.54815	5.648575	4.344933	4.54975	4.402656	5.267	5.251241	5.201061
UBR2	ENSG0000	0.026873	5.427062	0.544994	0.592645	0.696858	-7.14475	5.030813	4.933864	5.052811	5.307999	5.270617	5.391041	4.986526	4.843429	5.057123	5.79678	5.778001	5.61497	5.954437	5.978961	5.955152	5.774336	5.764723	5.834677
EHD2	ENSG0000	0.915721	4.341868	9.039877	5.28E-08	2.27E-06	8.670872	3.701161	3.704977	3.736403	4.375995	4.56592	4.194794	4.164604	4.238905	3.968647	3.87036	4.122698	4.046548	5.170617	5.198683	5.166452	5.240125	5.069195	5.004109
DEPDC1	ENSG0000	0.512557	5.16261	1.808846	0.08771	0.161116	-5.50481	6.868906	6.827288	6.726758	6.775246	6.463496	6.614431	7.530072	7.621546	7.504269	4.455814	4.283241	4.428251	2.027088	2.016959	1.923865	4.156784	4.268595	4.335451
CCDC28A	ENSG0000	-0.32255	3.396483	-2.23984	0.038364	0.084117	-4.50565	3.623492	3.704977	3.65856	3.472378	3.188693	3.405543	3.277716	3.40015	3.064594	3.437834	3.532361	3.555853	4.143408	4.10073	4.165038	3.350072	3.366281	3.176297
RRAGD	ENSG0000	0.335269	2.134326	1.632811	0.120393	0.206548	-5.11139	2.609804	2.332462	2.661582	3.533117	3.722109	3.498018	2.858632	2.623806	2.846105	1.891119	1.851833	1.839597	1.838325	1.921808	2.014873	2.075685	2.233409	2.06284
HSF2	ENSG0000	-0.11306	3.640556	-1.10212	0.285356	0.403019	-6.20772	4.309146	4.360345	4.301326	4.122913	3.901574	4.264152	4.512454	4.467202	4.3476	3.403229	3.509623	3.513924	3.228726	3.032175	3.126936	2.935534	3.256961	3.176297
PHF20	ENSG0000	0.139899	6.707935	2.113195	0.049248	0.102455	-5.29382	7.630634	7.60446	7.631731	7.981362	7.903982	7.984753	7.864726	7.95035	7.945885	5.684183	5.645223	5.680063	5.632665	5.618361	5.58556	5.582622	5.643597	5.510546
NR1H3	ENSG0000	-0.56024	2.610159	-3.84526	0.001241	0.005569	-0.99985	4.12413	3.896716	4.02711	3.791129	3.945887	3.548316	3.178682	3.477062	3.199964	2.18395	2.23117	2.038602	1.973006	1.970168	2.058312	1.809319	2.124453	2.252429
TYMP	ENSG0000	1.001816	4.598429	3.990645	0.000902	0.004302	-1.12335	4.006674	4.108838	3.987862	5.737065	6.028789	5.801988	4.87074	4.747338	4.889843	3.702624	3.997554	4.054926	4.309002	4.425185	4.329194	5.036515	4.999943	4.938581
NCAPH2	ENSG0000	0.027963	4.968334	0.485502	0.633351	0.732268	-7.07872	5.288426	5.218099	5.231457	4.827817	5.124043	5.033133	5.35187	5.447033	5.252213	4.960093	5.014203	5.020321	4.659362	4.513497	4.492489	5.004933	4.981317	4.869935
TOMM34	ENSG0000	0.320619	6.15641	7.753007	4.64E-07	1.18E-05	6.245538	5.628712	5.649552	5.633581	6.046662	5.818465	5.850401	6.005819	5.935393	5.931692	6.371839	6.263495	6.290363	6.714917	6.634702	6.558936	6.605459	6.611923	6.649721
SEC63	ENSG0000	0.107589	6.458093	1.466447	0.160288	0.257615	-6.34165	6.707715	6.784926	6.732706	7.123947	7.041303	7.136182	6.772107	6.93633	6.812769	6.085751	6.056844	6.014564	5.947442	5.964114	5.968021	6.14773	6.189378	6.142619
KPNA6	ENSG0000	-0.37719	6.568747	-6.95879	1.98E-06	3.72E-05	4.723549	6.874155	6.883963	6.806748	6.344419	6.137866	6.329914	6.355578	6.405702	6.319266	6.877177	6.837905	6.836252	6.639526	6.575365	6.563654	6.611588	6.530987	6.591974
VIM	ENSG0000	0.005465	8.097166	0.012834	0.989906	0.993323	-7.4503	10.30828	10.35581	10.33338	10.0327	10.09369	9.933746	9.999032	10.05692	10.02217	4.948139	5.085124	4.976888	7.791929	7.712422	7.707261	5.526265	5.647541	5.491856
FAS	ENSG0000	-0.40534	4.602283	-4.37511	0.000389	0.002204	-0.27279	6.066775	6.228223	6.110041	5.396478	5.230876	5.298562	5.661594	5.689327	5.44755	4.026306	3.981119	4.096105	3.100071	3.109775	3.137101	3.962207	3.955266	3.770842
RNASET2	ENSG0000	-0.04556	3.28413	-0.40759	0.68852	0.777191	-6.66497	3.27548	3.428416	3.500214	3.591402	3.709312	3.377995	3.440463	3.506713	3.357206	3.165825	3.373534	3.133657	3.865227	3.813238	3.831176	3.083983	3.171908	3.149291
CD44	ENSG0000	0.454074	7.448501	5.453409	3.90E-05	0.000366	1.685724	9.083314	9.097984	9.096239	8.938842	8.810748	8.889885	9.29877	9.339483	9.361629	5.417818	5.477654	5.509184	5.713225	5.757473	5.797461	6.274548	6.210856	6.27031
KCNG1	ENSG0000	-0.0398	-0.10672	-0.11605	0.908938	0.93975	-5.95871	4.271448	4.115866	4.424025	6.20204	6.147385	6.079314	4.164604	4.221128	4.207726	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AGPAT4	ENSG0000	0.035922	2.26725	0.275058	0.786497	0.850858	-6.50969	1.430644	2.068355	1.585853	2.791417	2.605925	2.455733	2.144798	1.710758	2.127218	2.817246	2.829342	2.87437	3.526548	3.544454	3.6725	2.744769	2.585506	2.912845
SLAMF7	ENSG0000	-0.84138	1.374253	-9.59167	2.21E-08	1.20E-06	9.579428	0.742531	0.499412	0.598525	0.395333	0.512209	0.2349	0.269385	0.253663	0.39151	4.724629	4.790397	4.753161	4.900573	4.913495	4.897167	3.934535	4.023613	3.961444
BTN3A1	ENSG0000	0.663891	3.981833	5.840398	1.76E-05	0.000198	2.862667	3.672523	3.39414	3.544167	3.840029	3.784444	3.711713	4.283766	4.070428	4.207726	3.818776	3.709078	3.900773	4.82626	4.686287	4.663983	4.390642	4.542904	4.341429
MIPEP	ENSG0000	-0.31694	4.23797	-3.45777	0.002908	0.010963	-2.18908	4.780982	4.826575	4.848876	5.072529	4.733289	4.899045	4.358069	4.38177	4.436456	3.818776	3.817963	3.769472	4.414217	4.321825	4.355551	3.603046	3.68296	3.631427
PRKCH	ENSG0000	-0.12155	3.789259	-1.35226	0.193532	0.297417	-6.18904	3.476616	3.777682	3.764544	2.393052	2.490996	2.429135	3.258446	3.384264	3.064594	4.957113	4.84591	4.902234	4.352013	4.358622	4.385705	4.945171	4.833383	4.890466
IFNGR1	ENSG0000	-0.38523	5.82094	-5.51382	3.44E-05	0.000332	1.937869	6.572167	6.614281	6.584036	6.329513	6.317247	6.349549	6.111626	6.055619	6.038775	5.371579	5.378656	5.376759	5.458289	5.640943	5.603999	5.119964	5.146465	5.21089
B4GALT7	ENSG0000	0.184366	4.936788	2.680308	0.015547	0.041298	-4.01083	4.921476	4.817982	4.904734	5.209091	5.403664	5.327654	5.093706	4.68386	5.041756	4.703453	4.682721	4.708717	5.231389	5.02357	5.076884	4.983487	4.962447	4.958165
SH2D2A	ENSG0000	1.381624	0.700631	5.16537	7.12E-05	0.00058	1.805732	1.475543	1.374745	1.358564	1.326771	1.437317	1.250575	2.957542	2.777669	3.199964	0.982259	1.190799	1.360915	0.5125	0.671977	0.910419	1.542275	1.547811	1.222783
VRK2	ENSG0000	-0.05541	5.365914	-1.05006	0.307992	0.427432	-6.7017	5.864307	5.896035	5.867803	5.444703	5.473441	5.471446	5.940817	5.819078	5.640119	5.144243	5.331897	5.195378	4.758606	4.843827	4.987015	5.201172	5.214498	5.157678
VEZT	ENSG0000	0.159605	6.291754	2.611305	0.017965	0.046144	-4.37719	5.868521	5.759098	5.876425	6.565896	6.58581	6.583107	6.174663	6.175851	6.121501	6.310136	6.351367	6.282357	6.641694	6.664398	6.613649	6.304044	6.395695	6.324128
BRD9	ENSG0000	-0.24638	6.266923	-1.85597	0.0804	0.151233	-5.75868	6.844509	6.843256	6.940216	5.812513	5.803491	5.99342	6.67734	6.442606	6.532173	6.194733	6.19982	6.183609	6.231832	6.131604	6.225486	6.032372	6.042884	6.028687
SNX1	ENSG0000	-0.18739	7.051546	-5.72123	2.24E-05	0.000237	2.199974	6.699458	6.709113	6.740992	6.956645	7.020734	7.000501	6.428516	6.491623	6.48939	7.261599	7.3747	7.356518	7.709229	7.67416	7.653394	7.207813	7.207696	7.154684
TBPL1	ENSG0000	-0.07357	4.617339	-1.23184	0.234326	0.345676	-6.43504	4.212988	4.021717	4.050156	4.082842	3.855857	4.071231	3.690999	3.90213	4.17992	5.424305	5.370266	5.489229	5.254243	5.27526	5.234307	5.363548	5.346497	5.481066
ARNTL2	ENSG0000	-1.21872	1.289485	-3.05619	0.006974	0.021846	-2.34064	6.49112	6.403582	6.434415	4.375995	4.110665	4.249025	5.203583	5.388507	5.179186	0.190076	0.462741	0.449284	0.407676	0.190544	0.335616	0.326864	0.19538	0.106501
BCLAF1	ENSG0000	0.124229	7.741093	1.841256	0.082622	0.154103	-5.91825	8.209871	8.201906	8.203412	7.706017	7.553741	7.675291	8.356654	8.431568	8.401091	7.406232	7.507341	7.472081	7.255369	7.260745	7.26517	7.50265	7.487246	7.57378
SLC39A9	ENSG0000	0.073144	7.256748	1.328875	0.200978	0.306087	-6.62662	7.154269	7.197266	7.229012	7.441667	7.354464	7.308419	7.483113	7.458519	7.450007	7.256761	7.286053	7.218353	7.183765	7.159458	7.176165	7.133088	7.115332	7.191552
ANK1	ENSG0000	-0.3679	0.437343	-1.2267	0.236204	0.348086	-5.33505	2.19231	2.403106	2.326135	1.578054	1.817192	1.880533	1.588238	1.491012	1.50602	0.834246	0.640699	0.921995	0.562188	0.550009	0.651457	0.930351	1.024588	1.504318
TFB1M	ENSG0000	-0.77525	2.92041	-6.05673	1.14E-05	0.000141	3.497906	4.29042	4.383825	4.363979	3.376187	3.260629	3.292047	3.315502	3.535768	3.357206	2.722179	2.741	2.902498	2.385571	2.596763	2.481722	2.509956	2.410923	2.326628
RABEP1	ENSG0000	0.140848	6.105608	3.322739	0.003908	0.013831	-2.83794	6.650126	6.733307	6.659661	6.900119	6.920203	6.895126	6.911252	6.917137	6.836711	5.371579	5.444072	5.378429	5.445106	5.472807	5.441254	5.461813	5.382432	5.515842
HMGB3	ENSG0000	0.56225	7.308351	6.491582	4.83E-06	7.25E-05	3.753901	7.459595	7.498206	7.309214	7.463288	7.454668	7.492287	8.039302	8.171845	8.150164	7.063923	7.025898	7.010601	6.382056	6.439197	6.42119	7.434642	7.418526	7.496865
NUP160	ENSG0000	-0.12412	6.545848	-2.90302	0.009693	0.028384	-3.83052	6.496576	6.559918	6.545359	6.553121	6.426835	6.432233	6.445657	6.502702	6.429644	6.857341	6.754138	6.748575	6.503868	6.470003	6.526438	6.655474	6.588526	6.615597
BAK1	ENSG0000	0.062419	5.574296	0.922761	0.368695	0.490412	-6.91747	5.278958	5.343146	5.393406	4.88719	5.104628	4.844735	5.071794	5.088621	5.121883	6.132715	6.007657	6.132075	5.836975	5.829692	5.876944	6.316962	6.275986	6.386167
IKZF2	ENSG0000	-0.4867	2.962021	-5.1213	7.82E-05	0.000625	1.347596	1.602421	1.744817	1.818408	1.578054	1.718467	1.575618	1.525136	1.491012	1.826075	4.826087	4.973242	4.77868	5.379059	5.516205	5.51521	4.32821	4.348284	4.399883
GRN	ENSG0000	-0.12833	8.288465	-2.91308	0.009487	0.027895	-3.91236	8.77074	8.732068	8.803387	9.364885	9.530351	9.371279	8.652596	8.507781	8.651512	7.383666	7.382543	7.483377	8.270503	8.188277	8.205311	7.296357	7.395849	7.299894
FAM13B	ENSG0000	0.7054	5.491863	4.964479	0.000109	0.000811	0.835526	5.411954	5.343146	5.356903	6.178467	6.23258	6.227518	6.309508	6.369847	6.43161	4.565511	4.655361	4.441093	5.775111	5.695898	5.813395	4.975361	4.867593	4.86164
ARHGAP31	ENSG0000	0.151511	1.703866	0.629036	0.537461	0.64956	-6.15277	2.137484	2.470453	2.37563	2.103714	2.117603	2.132113	1.762502	1.809233	1.727075	1.865926	1.403073	1.67541	2.529911	2.770668	2.604018	2.154563	2.212266	2.226823
CENPQ	ENSG0000	-0.02183	2.675207	-0.14178	0.888872	0.925589	-6.71122	2.90065	2.886707	2.830836	2.393052	2.490996	2.652511	3.004565	3.178579	3.162566	3.584041	3.455132	3.596598	2.193986	2.21055	1.801384	3.439417	3.287607	3.279535
SARS1	ENSG0000	-0.10094	7.77206	-1.97646	0.064101	0.126069	-5.70413	7.86066	7.850238	7.850453	7.663349	7.64056	7.741641	7.774342	7.794544	7.804327	8.027192	7.9375	8.031616	7.517102	7.487412	7.450815	7.854957	7.840221	7.893568
RANBP3	ENSG0000	-0.1895	5.718005	-4.10137	0.000707	0.003533	-1.15365	5.958255	5.86717	6.017577	5.510375	5.586227	5.384134	5.643139	5.653324	5.809985	5.928855	5.873106	6.027394	5.603298	5.60119	5.557452	5.83696	5.780968	5.793844
ARID4A	ENSG0000	0.26499	3.469896	1.870709	0.078226	0.147827	-5.19881	2.688195	2.836538	2.900124	3.533117	3.329147	3.26222	3.788265	3.550079	3.60036	3.552807	3.930661	3.7997	4.264669	4.407733	4.324754	3.775173	3.793856	3.571657
EIPR1	ENSG0000	0.032828	5.483758	0.682012	0.50417	0.62015	-7.05436	5.608696	5.592753	5.600136	5.408686	5.462043	5.513197	5.69423	5.458458	5.485906	5.44359	5.40559	5.47681	5.513008	5.544428	5.455539	5.537346	5.583118	5.518482
PNPLA6	ENSG0000	0.030413	5.451977	0.410155	0.686676	0.775786	-7.16062	5.840904	5.932317	5.963976	5.824713	6.023629	5.845381	5.850398	5.807211	5.860491	4.905504	4.869913	5.013889	5.329703	5.255884	5.269387	5.228777	5.086727	4.86164
IFT88	ENSG0000	-0.29688	4.131258	-4.13703	0.000654	0.003325	-0.7102	4.584905	4.738249	4.515184	4.784753	4.752128	4.834637	4.245129	4.265167	4.189248	3.991785	3.890158	3.707046	4.222798	4.132949	4.046009	3.61006	3.772348	3.631427

ALG1	ENSG0000	0.066283	5.438778	0.810175	0.428733	0.550229	-6.91085	5.720169	5.772502	5.724733	6.095309	6.041607	5.956646	5.916435	5.888297	6.038775	5.138995	5.128054	5.168603	4.931624	4.956139	4.935528	5.14915	5.152027	4.827974
ZCCHC8	ENSG0000	-0.14169	5.470452	-1.14129	0.269147	0.385815	-6.62225	6.097621	6.144785	6.050332	5.268353	5.334513	5.230878	5.872748	6.073067	5.970082	5.276793	5.214953	5.303055	5.278599	5.350262	5.255457	5.075046	5.225092	5.06679
ABCF2	ENSG0000	-0.02687	7.451815	-0.81483	0.426135	0.547884	-7.18032	7.817714	7.770091	7.775799	7.653978	7.743	7.64816	7.797892	7.6829	7.75571	7.237247	7.202864	7.251537	7.109987	7.056131	7.12856	7.271135	7.153961	7.232336
CHPF2	ENSG0000	0.362683	7.117543	9.806954	1.59E-08	9.16E-07	9.660256	7.249446	7.254112	7.326622	7.690268	7.796162	7.697052	7.746949	7.629149	7.674178	6.510383	6.387151	6.485847	6.899599	6.832416	6.821745	6.785858	6.742093	6.790741
FUT8	ENSG0000	0.391071	5.634286	5.43012	4.09E-05	0.000381	1.68857	3.810347	3.855322	3.511328	4.746789	4.522687	4.57438	3.879385	4.128801	4.08316	6.967291	7.019876	6.936582	7.354762	7.406252	7.410005	7.376184	7.366245	7.376125
UBA6	ENSG0000	0.005058	6.029607	0.132635	0.895997	0.930694	-7.39843	5.717835	5.706529	5.631035	5.510375	5.586227	5.562977	5.736627	5.656635	5.633301	6.551455	6.594939	6.425738	6.378593	6.313634	6.339916	6.522387	6.498608	6.590719
GAB2	ENSG0000	-0.37249	2.830168	-3.00988	0.007706	0.023609	-2.90549	3.128595	3.370829	3.176339	2.740812	2.549605	2.805104	2.779728	2.916694	2.376228	3.331423	3.136872	3.195594	3.422776	3.272884	3.253801	2.946659	2.95995	3.176297
ATP6V0A1	ENSG0000	-0.22075	5.719988	-3.32616	0.003879	0.013749	-2.74312	6.732205	6.704458	6.737446	6.820115	6.709846	6.740116	6.666415	6.59359	6.665144	5.115138	5.095341	4.881185	4.739835	4.79096	4.759194	4.55958	4.664642	4.61255
PIAS1	ENSG0000	0.557652	5.32118	7.474008	7.65E-07	1.73E-05	5.839577	4.410898	4.569336	4.547936	5.218368	5.235346	5.349094	5.35187	5.412203	5.355259	5.342194	5.391149	5.281796	6.063051	5.943067	5.950836	5.697389	5.701643	5.659138
SLC4A7	ENSG0000	0.88971	5.301651	3.360837	0.003596	0.012935	-2.64661	4.538049	4.457599	4.569365	6.241251	5.962929	6.044692	6.428516	6.343387	6.325625	5.085433	5.288033	5.026725	4.994054	4.8854	4.90611	4.934035	5.060349	5.081151
APBA2	ENSG0000	-0.24176	0.314021	-1.20053	0.245953	0.359367	-5.30001	5.97203	5.871329	5.925027	5.384166	5.593209	5.380668	5.740105	5.758745	5.497217	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MAP2K3	ENSG0000	-0.19367	7.172433	-1.71704	0.10364	0.183668	-6.06985	8.280762	8.259763	8.322959	6.833761	6.887915	6.682166	8.213895	8.084213	8.180884	6.968031	6.862788	7.046758	6.245204	6.104779	6.236164	6.741831	6.650749	6.713336
TMSB10	ENSG0000	0.329648	9.445411	5.086281	8.42E-05	0.000663	0.704729	9.797285	9.770462	9.759591	9.662697	9.682348	9.534573	10.12723	10.07822	10.1106	8.929355	8.880885	8.792748	9.033525	9.172109	9.131535	9.132702	9.206492	9.255367
ASTE1	ENSG0000	0.402415	3.084986	4.839723	0.000142	0.001001	0.939177	2.609804	2.76681	2.700947	3.237064	3.188693	3.560621	3.004565	3.102941	3.044176	3.294134	3.175905	3.297971	3.599754	3.552417	3.65138	3.66498	3.546022	3.601852
RNF19A	ENSG0000	0.607099	6.700826	2.643762	0.016786	0.043808	-4.31735	7.004339	7.013795	6.952501	7.359148	7.067863	7.395144	8.207001	8.226329	8.238745	5.788424	5.87162	5.755256	6.358519	6.430582	6.329981	5.675823	5.669038	5.57792
PEX3	ENSG0000	-0.25866	3.58557	-2.93421	0.009067	0.026882	-3.24125	3.765853	3.714268	3.947516	3.392671	3.643567	3.18484	3.866715	3.633086	3.844255	3.997596	4.040487	4.021115	3.680716	3.462307	3.615478	3.698273	3.705831	3.498643
GABARAPL	ENSG0000	0.066544	5.983551	1.475863	0.157769	0.254457	-6.29924	5.717835	5.727328	5.651273	5.915919	5.827376	5.906913	5.840713	5.927193	5.937239	6.140615	6.09553	6.176908	6.306622	6.343771	6.296361	6.111117	6.084202	6.121931
SH3YL1	ENSG0000	-0.0151	4.236554	-0.20258	0.841804	0.89303	-7.00423	4.416666	4.268725	4.345467	4.290615	4.276	4.308605	4.411387	4.504423	4.404775	4.30464	4.340194	4.096105	4.390344	4.497087	4.342433	4.113016	4.123255	4.216898
FAM136A	ENSG0000	0.051026	6.635114	1.563777	0.135795	0.226584	-6.26048	6.707715	6.686868	6.634467	6.375851	6.438513	6.420466	6.614311	6.752088	6.76989	6.764964	6.814905	6.754375	6.456206	6.485682	6.50991	6.841304	6.840107	6.834843
VCL	ENSG0000	0.367974	8.023461	5.457239	3.87E-05	0.000364	1.59373	8.397648	8.351936	8.427131	8.660789	8.648442	8.655441	8.518289	8.500891	8.512116	7.153186	7.145024	7.128918	7.752677	7.680533	7.699994	7.808072	7.721788	7.770478
DEPDC1B	ENSG0000	0.111307	3.260217	0.39912	0.69464	0.781478	-6.74652	3.710582	3.786518	3.717332	3.661095	3.31232	3.711713	4.321396	4.307901	3.935772	4.054455	3.907656	3.946523	1.621093	1.357245	1.851631	3.6717	3.628139	3.698167
DAPK2	ENSG0000	-0.45288	1.806334	-4.49728	0.000298	0.001783	0.335871	1.12723	1.277811	1.146821	1.634586	1.498102	1.757653	1.240874	1.082132	1.0941	3.036317	3.339557	3.085394	3.88976	3.981932	3.945482	2.679583	2.649824	2.724423
NSMAF	ENSG0000	-0.24335	6.487763	-3.75079	0.001528	0.006555	-2.00414	7.13865	7.225157	7.204398	6.386177	6.373081	6.427202	6.767002	6.846424	6.85441	6.378535	6.311391	6.380621	5.972925	6.056601	6.044267	6.287732	6.16345	6.27031
ADSS2	ENSG0000	-0.36841	6.49497	-7.18095	1.31E-06	2.66E-05	5.159409	6.524888	6.512775	6.448939	6.466234	6.54498	6.447223	6.09814	6.114582	6.031013	6.826657	6.870244	6.894602	6.565317	6.668067	6.597176	6.56181	6.507314	6.529201
TIMP2	ENSG0000	0.580143	8.383808	4.94913	0.000113	0.000833	0.4683	8.113287	8.143783	8.121461	8.469117	8.42453	8.341446	8.537402	8.42236	8.486806	7.767191	7.73186	7.797963	9.008259	8.97217	9.014593	8.560784	8.52826	8.550474
RFC1	ENSG0000	-0.01679	6.579471	-0.1748	0.863246	0.908267	-7.4482	6.287428	6.380424	6.344057	6.438717	6.415061	6.499291	6.422036	6.432985	6.39781	7.058374	7.032559	7.010062	6.351471	6.449894	6.390715	6.869344	6.920523	7.013938
TBC1D23	ENSG0000	0.018415	4.768916	0.200518	0.84339	0.894113	-7.13399	4.726299	4.677795	4.611291	4.687901	4.758354	4.645422	4.751751	4.670823	4.929347	4.755823	4.793538	4.763423	5.192476	5.375169	5.267074	4.774615	4.664642	4.771534
CUL3	ENSG0000	-0.05422	7.217134	-0.79173	0.439129	0.56024	-7.18565	7.5437	7.526831	7.556601	7.179627	7.070367	7.102914	7.41295	7.580306	7.473103	7.060457	7.044472	7.147156	7.088423	7.070759	7.131105	7.027678	7.006704	7.067213
MYOM2	ENSG0000	-0.68808	-1.77838	-2.0732	0.053232	0.10895	-3.98383	2.416107	2.37994	2.274882	1.457877	1.2379	1.757653	1.459147	1.809233	1.564539	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
ZZZ3	ENSG0000	-0.04713	5.968407	-0.71532	0.483859	0.602154	-7.11406	6.068608	6.052567	6.089793	5.765822	5.647884	5.702775	5.97958	6.126568	6.076967	6.059601	6.056844	6.048527	6.025904	6.091177	6.119251	6.01794	5.954929	5.973944
TUBG2	ENSG0000	-0.09252	4.016518	-0.75951	0.457672	0.578404	-6.59805	4.232739	3.991467	4.195052	4.910272	4.960875	4.93257	4.348988	4.175703	4.388669	3.737768	3.884278	3.829308	3.894617	4.051009	3.968435	3.245848	3.529023	3.716682
RPL26L1	ENSG0000	-0.3454	5.747585	-3.20164	0.005088	0.017124	-3.08935	6.66474	6.565063	6.568158	5.468225	5.565074	5.547605	6.081788	6.216793	6.174129	5.544294	5.5776	5.738449	5.347525	5.379652	5.361134	5.392313	5.329416	5.453733
FLT4	ENSG0000	0.862547	0.70075	3.592654	0.002163	0.008596	-1.28745	3.041689	2.655462	3.029452	3.647423	3.945887	4.027574	3.891945	3.685883	3.498982	0.34397	0.259702	0.34382	0.407676	0.484926	0.335616	0.576451	0.504542	0.315289
NSUN2	ENSG0000	-0.22479	8.123883	-5.60165	2.87E-05	0.000286	1.861628	8.326286	8.333213	8.362622	7.592875	7.568874	7.636582	8.130232	7.993531	8.069743	8.522702	8.457014	8.469464	7.990155	7.990726	7.965424	8.320297	8.263767	8.334456
FBXO42	ENSG0000	0.036257	4.94124	0.745686	0.465768	0.585778	-6.90783	4.905158	5.185067	5.090354	4.881362	4.960875	5.024275	5.120637	5.068879	5.155586	4.92393	5.016893	4.934378	4.853955	4.882244	4.87608	5.03391	4.936897	4.95427
MFAP3	ENSG0000	1.197335	5.681326	17.5979	1.47E-12	1.05E-09	19.06464	4.871956	4.826575	4.921495	5.778422	5.713437	5.875244	6.210201	6.256606	6.258527	5.14686	5.108011	5.093319	6.126359	6.134259	6.082904	6.120972	6.087109	6.209512
MRI1	ENSG0000	-0.03278	3.975537	-0.3178	0.754405	0.82797	-6.90199	4.381709	4.468622	4.553323	4.009923	4.081169	3.888069	4.185161	4.157125	4.288067	3.838337	3.754913	3.784665	3.913883	3.993677	4.093761	3.940112	3.980496	3.922098
METTL1	ENSG0000	-0.33235	5.028087	-6.78285	2.76E-06	4.80E-05	4.586179	5.501516	5.449895	5.494882	5.137544	5.138434	5.187896	5.049544	5.03875	5.188519	5.131086	5.006104	5.162801	4.766576	4.824228	4.725907	4.76522	4.81246	4.946447
AGA	ENSG0000	0.292114	5.316612	1.844537	0.082122	0.153519	-5.52663	5.777323	5.783578	5.810467	6.795532	6.792555	6.754917	6.237523	6.273954	6.238447	4.58494	4.45968	4.482057	4.362569	4.354074	4.315833	4.602417	4.49118	4.399883
PI4K2B	ENSG0000	0.318542	4.151606	3.709389	0.001674	0.007023	-1.77964	3.128595	3.286138	3.28395	3.910405	3.6964	3.868406	3.814892	3.736817	3.681923	4.721121	4.928229	4.758301	4.74791	4.971068	4.788509	5.054624	5.089629	4.902646
BOD1L1	ENSG0000	0.247376	6.717002	3.334734	0.003807	0.013551	-2.93093	6.551345	6.587988	6.519445	6.607092	6.599745	6.874328	6.732502	6.657772	6.688357	6.487853	6.5427	6.432185	7.13893	7.145706	7.135548	6.827077	6.839246	6.795104
MAT2B	ENSG0000	0.05283	6.139524	1.009782	0.326376	0.446334	-6.86946	5.897683	5.983164	5.910407	6.257092	6.094235	6.196313	6.119658	6.161941	6.028417	6.100676	6.145548	6.184564	6.50942	6.519589	6.469252	6.12954	6.128608	6.056209
EDC4	ENSG0000	-0.24292	6.351206	-7.2652	1.12E-06	2.35E-05	5.349165	6.764225	6.766064	6.762082	6.686114	6.645807	6.602578	6.477256	6.450256	6.4988	6.20983	6.163866	6.170174	6.175078	6.126279	6.189309	5.955977	5.994168	6.01753
TRIO	ENSG0000	-0.3388	7.734704	-3.60498	0.002105	0.008406	-2.42147	8.141424	8.131698	8.199122	7.955243	8.072093	8.059816	7.622467	7.565413	7.588642	7.421443	7.440793	7.347168	7.970738	7.954751	8.032305	7.337087	7.257568	7.256264
VCAN	ENSG0000	0.216198	4.228142	0.68102	0.504782	0.620704	-6.83868	3.623492	3.439663	3.65856	4.647264	4.648682	4.98829	3.928981	3.935218	3.641718	4.977839	4.995233	4.87173	3.46257	3.68147	3.910354	5.161139	5.126826	4.946447
CLEC16A	ENSG0000	0.146411	5.057263	2.168343	0.044201	0.094188	-5.03908	4.969353	4.945746	4.900514	4.96641	4.905853	4.903882	5.049544	5.002785	4.825493	5.09088	5.152722	5.005268	5.489122	5.384121	5.341488	5.459873	5.19577	5.243178
CDH1	ENSG0000	0.067172	7.26408	0.367023	0.718008	0.800167	-7.47863	4.640181	4.624584	4.621585	5.830775	5.868245	5.918911	3.719464	3.924273	3.968647	9.66668	9.647853	9.653535	9.88054	9.8482	9.88776	9.876793	9.864435	9.899591
MTREX	ENSG0000	-0.0806	6.923212	-2.05231	0.055427	0.112424	-5.4948	7.1993	7.266796	7.250728	6.937112	6.918814	6.897554	7.171619	7.244214	7.177464	6.846917	6.875441	6.831383	6.689989	6.683559	6.644261	6.778094	6.684725	6.742993
DNAH5	ENSG0000	-0.34855	3.699138	-2.55235	0.02031	0.050957	-4.0608	2.548084	2.576149	2.812981	3.921807	3.759832	3.91707	1.648695	1.809233	1.50602	4.600298	4.91387	4.437893	5.886577	5.94458	6.12437	4.386563	4.517274	4.536426
ZFYVE16	ENSG0000	0.103925	5.635463	1.125512	0.27559	0.392956	-6.65091	5.596044	5.523092	5.638658	6.250324	6.152121	6.204178	5.830962	5.868449	5.877902	5.544294	5.485444	5.445288	5.500318	5.350262	5.435088	5.402449	5.456227	5.423057
RIPOR1	ENSG0000	-0.27531	6.049549	-2.39337	0.028159	0.06589	-4.74515	6.634125	6.712594	6.767886	6.229828	6.482423	6.37764	6.169514	5.988901	6.126365	5.554185	5.555569	5.673276	6.055481	6.046769	5.947952	5.669122	5.625718	5.692259
RAI14	ENSG0000	-0.29405	6.925523	-2.0718	0.053377	0.10921	-5.47333	7.576917	7.631684	7.615084	6.430757	6.432686	6.473492	6.700729	6.825987	6.783812	6.929032	6.968696	6.904488	6.801509	6.742175	6.706165	7.130651	7.123141	7.108985
PNKP	ENSG0000	0.035725	4.906742	0.645151	0.527208	0.640593	-6.99401	4.559062	4.435299	4.574673	4.569652	4.789085	4.639633	4.832157	4.657666	4.66091	5.242946	5.212608	5.238315	5.377325	5.432385	5.46364	5.201172	5.174064	5.164438
PHLPP2	ENSG0000	-0.43744	5.344111	-7.59374	6.17E-07	1.48E-05	6.080437	6.321645	6.220093	6.227583	5.657452	5.47722	5.705548	5.753932	5.698992	5.779429	5.264796	5.318878	5.158919	4.540442	4.429515	4.617548	4.882828	4.920695	4.926702
SPDL1	ENSG0000	-0.02832	4.340152	-0.21025	0.835901	0.887957	-7.03647	5.125418	5.059469	5.025938	4.591236	4.478119	4.668345	4.920629	5.048863	5.146036	4.373294	4.45175	4.447471	2.872818	3.162755	3.064395	4.349322	4.423801	4.4056
STAU2	ENSG0000	0.27125	5.605889	2.816493	0.011658	0.032854	-3.85414	5.086148	5.387379	5.293935	6.025677	5.879712	6.035905	6.045709	5.737018	5.88366	5.462622	5.403536	5.4389	5.890229	5.900029	5.787815	5.365622	5.419802	5.420236
SLC66A1	ENSG0000	-0.06873	4.298629	-0.78292	0.444156	0.565033	-6.68486	4.478633	4.569336	4.671981	4.857809	4.900234	4.956049	4.6445	4.436718	4.599264	4.098381	4.097507	4.249986	4.147483	3.940055	4.002193	4.113016	3.923096	4.058989
CTNS	ENSG0000	0.524099	4.152672	3.072253	0.006736	0.021319	-2.99937	3.623492	3.638208	3.55495	5.132645	4.888929	5.242382	4.583863	4.703199	4.585199	4.026306	3.997554	3.743789	4.245787	4.235431	4.306856	3.900611	3.967936	3.930053
RTN4R	ENSG0000	0.506098	1.394925	2.637813	0.016996	0.044221	-3.40136	1.12723	1.118985	1.744977	1.74141	1.666451	1.575618	1.317361	1.001115	1.01237	1.76051	2.174476	2.243088	2.760241	2.797719	2.574402	2.878584	2.618024	2.649309
PHF23	ENSG0000	0.487353	6.183409	5.827534	1.81E-05	0.000201	2.539781	6.133086	6.059873	6.036935	6.977285	6.993284	6.94056	6.768706	6.748989	6.776094	5.6347	5.542561	5.681416	5.926252	5.981913	5.847842	5.911246	5.886506	5.843128
CDH10	ENSG0000	1.386374	-0.6107	3.291981	0.004179	0.014614	-1.86159	2.649532	2.61635	2.37563	5.49519	5.26188	5.338414	3.814892	3.856799	4.063004	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
INPP4A	ENSG0000	0.178751	5.735344	1.600533	0.127399	0.215761	-6.10691	4.863535	4.774231	4.652033	5.190356	4.950037	4.859751	4.926746	4.877874	4.951444	6.156285	6.333137	6.177867	7.29586	7.266807	7.310784	6.430279	6.423558	6.396253
RAB27B	ENSG0000	-1.02457	6.966066	-9.65363	2.01E-08	1.10E-06	9.429344	8.506108	8.482055	8.445355	7.27829	7.189185	7.19064	7.146943	7.126196	6.971222	6.913747	6.898961	6.937715	5.939239	5.791513	5.855558	6.332948	6.307481	6.324128
PSMA4	ENSG0000	0.00131	7.592302	0.034004	0.97326	0.982568	-7.54154	7.904419	7.878923	7.811081	7.595548	7.459453	7.597553	7.830065	7.862057	7.882603	7.50745	7.48663	7.462666	7.306833	7.370102	7.360976	7.466392	7.507456	7.511519
LSG1	ENSG0000	-0.10182	6.228254	-1.29643	0.211684	0.319184	-6.57903	6.122537	6.110011	6.042692	5.711012	5.627623	5.820014	5.771031	5.848324	5.85464	6.548489	6.540832	6.519535	6.840417	6.692595	6.763883	6.542691	6.555329	6.565405
PARP3	ENSG0000	-0.3374	4.314379	-1.60294	0.126866	0.21499	-5.74556	5.121892	5.137514	5.079193	4.43289	4.462952	4.264152	4.411387	4.583078	4.339245	3.825326	3.830249	3.951019	4.624704	4.630959	4.677975	3.749992	4.059571	3.856822
TNC	ENSG0000	0.264713	3.558059	3.147425	0.005724	0.018789	-3.27311	1.010037	0.8079	1.028027	0.742604	0.25478	1.055701	0.670238	0.509405	0.39151	8.134595	8.229821	8.054516	7.309563	7.20121	7.266906	8.434598	8.479597	8.405009
THAP3	ENSG0000	0.209402	3.767109	2.511545	0.022099	0.054438	-4.0946	3.975752	3.952741	3.726899	3.944346	4.139571	3.868406	4.205428	4.238905	4.032233	3.844798	3.722323	3.728156	3.691919	3.520297	3.462206	3.775173	4.047684	3.856822
TDP1	ENSG0000	0.228883	4.501374	3.606247	0.002099	0.008392	-2.0374	4.186225	4.080378	3.971859	4.209199	4.455308	4.400463	4.215456	4.157125	4.261781	4.832603	4.675929	4.811193	4.883573	4.92887	5.025827	4.905811	5.080907	5.140638
AIFM2	ENSG0000	0.377642	3.783327	2.997812	0.007909	0.02407	-2.81973	6.499297	6.516763	6.451827	5.790912	6.013255	5.870309	6.795693	6.855094	6.845588	1.388276	1.616737	1.780195	1.336984	1.560439	1.775589	1.948641	2.006592	2.252429
SPATA7	ENSG0000	0.566225	3.441787	3.345839	0.003715	0.013279	-2.20398	4.073915	4.12286	4.057757	4.532944	4.318753	4.656929	4.889651	4.928048	4.88411	2.494552	2.500824	2.546206	3.181815	2.974074	3.126936	2.384669	2.618024	2.59029
MED17	ENSG0000	-0.01066	5.661312	-0.12438	0.902434	0.935402	-7.33357	5.560015	5.562207	5.440682	5.316663	5.226392	5.223158	5.547145	5.281075	5.44755	5.857155	5.826337	5.846165	6.199815	6.183802	6.223102	5.916914	5.828637	5.954574
RETSAT	ENSG0000	0.279879	5.780013	4.549009	0.000266	0.001623	-0.14095	5.539016	5.401827	5.480815	6.420746	6.371051	6.29167	5.964794	5.874148	6.015365	5.44146	5.479606	5.443693	6.067359	6.059398	6.036143	5.614363	5.513525	5.523749
CAPG	ENSG0000	0.209967	5.506156	1.236908	0.232484	0.343535	-6.61435	4.767504	4.783088	4.547936	3.51817	3.683372	3.377995	4.812472	4.741115	4.801363	6.578847	6.443221	6.561304	6.965132	6.988773	7.034492	6.811947	6.77581	6.786366
AP2S1	ENSG0000	-0.04591	6.81013	-1.41014	0.176046	0.276758	-6.49058	6.831615	6.829428	6.806748	6.600012	6.640761	6.534028	6.755021	6.784223	6.812769	7.028883	6.93425	7.087147	6.767493	6.765484	6.744068	6.966141	6.931884	7.001722
ADAM28	ENSG0000	-0.05054	3.233418	-0.62751	0.538438	0.650409	-6.89583	1.755904	1.118985	1.667608	1.578054	2.03796	1.919272	1.762502	1.760835	1.314712	5.190639	5.181778	5.10547	5.99118	6.096633	6.055029	5.02344	5.095414	5.161062
BARX2	ENSG0000	0.481274	0.163949	1.248828	0.228197	0.338826	-5.78907	1.12723	1.173893	1.406977	0.106501	0.25478	0.106501	0.269385	0.106501	0.106501	2.510897	2.877496	2.615819	2.193986	2.269709	2.330481	3.552967	3.651889	3.487904
DCUN1D1	ENSG0000	-0.03169	5.376748	-0.54585	0.592067	0.696335	-7.13011	5.391599	5.421814	5.319453	5.277258	5.270617	5.223158	5.65424	5.528791	5.37174	5.560088	5.514285	5.589242	5.317096	5.377412	5.397528	5.321433	5.391866	5.494541
JADE2	ENSG0000	0.123904	6.712179	2.470981	0.024025	0.058191	-4.71463	6.599047	6.508776	6.56149	6.542081	6.608387	6.577063	6.552364	6.463548	6.694921	6.768368	6.855293	6.888168	6.778702	6.774873	6.770428	7.104813	7.028791	6.998889
ZIC2	ENSG0000	-0.00242	2.991445	-0.01618	0.987274	0.991744	-6.6667	3.541402	3.547555	3.88052	3.325575	3.89028	3.59692	3.555458	3.535768	3.453254	2.966925	2.741	2.93917	2.566893	2.288901	2.382676	2.990321	3.287607	2.742606
TRIT1	ENSG0000	-0.08993	4.982632	-1.10755	0.283068	0.40061	-6.62541	4.965424	4.905754	4.946277	4.209199	4.384626	4.358792	4.6145	4.734864	4.534865	5.456306	5.355466	5.46271	5.370368	5.40626	5.473701	5.516966	5.478535	5.388831
ADRB1	ENSG0000	-0.71768	1.307097	-3.82331	0.001303	0.005782	-0.99618	1.719036	1.277811	1.088647	1.326771	1.437317	0.909432	0.886508	1.231675	1.564539	2.510897	2.779525	2.845681	2.638129	2.863205	2.716753	2.055273	2.169028	1.775544
CUL7	ENSG0000	-0.61376	5.79465	-5.30794	5.28E-05	0.000459	1.490368	6.448119	6.443236	6.415312	5.869565	5.984333	5.933177	5.555064	5.462247	5.62645	5.656903	5.655617	5.710877	6.067359	5.981913	5.983596	5.295562	5.299655	5.408895
CTNNA1	ENSG0000	0.155315	9.45206	2.860499	0.010615	0.03047	-4.13213	9.066674	9.043969	9.024596	9.483371	9.527164	9.510394	9.318676	9.260369	9.242066	9.619411	9.564126	9.567942	9.668725	9.603819	9.655795	9.665688	9.679299	9.673772
PHKA2	ENSG0000	-0.38227	4.728339	-6.73757	3.01E-06	5.06E-05	4.547958	5.167074	5.044814	5.159101	4.809518	4.842803	4.937296	4.6445	4.765849	4.73921	4.772865	4.945274	4.773612	4.774502	4.592857	4.684921	4.485232	4.592839	4.382594
CNTLN	ENSG0000	-0.07646	3.18986	-0.78278	0.444233	0.565081	-6.38952	4.165822	4.094678	4.167214	3.425084	3.796595	3.655458	3.814892	3.935218	4.032233	2.790717	2.980302	2.724859	2.614772	2.811056	2.647333	2.935534	2.881762	2.975687
EPHA3	ENSG0000	1.08073	1.515168	3.261935	0.004462	0.015366	-2.0082	2.165157	2.332462	1.987129	4.456603	4.439897	4.639633	3.050103	3.578282	3.468658	0.88529	0.799097	0.958181	1.248697	1.120667	1.247156	1.017342	0.572487	1.115245
HSPA5	ENSG0000	0.306065	10.80768	5.049159	9.11E-05	0.000705	0.551089	10.94237	10.90702	10.92338	11.53903	11.40819	11.44504	11.08338	11.16153	11.15708	10.25893	10.20663	10.17609	10.47497	10.537	10.48895	10.57197	10.62072	10.65155
DSG2	ENSG0000	0.271169	7.35375	4.071503	0.000755	0.003731	-1.40107	6.72176	6.814386	6.669617	7.044025	7.054012	6.953449	6.873751	6.964651	6.923112	7.757806	7.778574	7.716132	7.671877	7.666385	7.690535	8.036433	8.080119	8.123869
GEMIN8	ENSG0000	-0.14373	4.115157	-1.46475	0.160745	0.258146	-5.90818	4.630287	4.639292	4.641955	4.218476	4.352066	4.323123	4.504297	4.610649	4.313883	4.071084	3.884278	3.809637	4.059394	4.148793	3.979775	3.678389	3.999132	3.753014
OFD1	ENSG0000	-0.28075	4.742185	-1.87852	0.077095	0.146097	-5.47438	5.030813	5.181722	5.123327	4.392481	4.360275	4.249025	4.552561	4.59693	4.444269	4.829349	4.851948	4.77868	5.22369	5.253444	5.210438	4.77149	4.798342	4.7174
WDR37	ENSG0000	-0.05338	4.531804	-0.6601	0.517797	0.632666	-6.92733	5.093368	5.041126	5.105102	3.80351	3.844198	3.9455	5.120637	5.078784	5.015776	4.793054	4.790397	4.727183	4.110387	4.10073	4.12984	4.710794	4.648991	4.712796
YTHDC2	ENSG0000	0.119695	5.52427	1.399672	0.17911	0.280461	-6.28669	5.313374	5.29442	5.396406	6.371699	6.161547	6.269353	5.42715	5.447033	5.559688	5.208286	5.372368	5.178223	5.650003	5.661337	5.704825	5.299906	5.314612	5.40033
CTPS2	ENSG0000	-0.32417	4.979297	-4.33895	0.000421	0.002344	-0.51264	5.246942	5.355074	5.064177	4.797189	4.65537	4.761901	4.651903	4.62424	4.801363	5.203266	5.296913	5.219804	5.174616	5.178243	5.224807	5.054624	5.066252	5.098903
ATP6V1H	ENSG0000	-0.17987	5.969573	-2.68754	0.015313	0.040766	-4.19112	5.928287	6.03969	6.017577	5.866618	5.815483	5.956646	6.045709	6.040494	5.986227	6.112774	6.165079	6.168245	6.151938	5.986328	6.157205	5.841437	5.751959	5.847335
POLR2B	ENSG0000	0.040334	7.325663	1.117591	0.278869	0.396209	-6.88037	7.417788	7.340648	7.35389	7.512197	7.426602	7.449918	7.331152	7.443265	7.344371	7.158383	7.185635	7.141266	7.38312	7.379645	7.45336	7.255004	7.201675	7.25151
FAM214A	ENSG0000	-0.1933	5.024355	-1.53966	0.141552	0.233672	-6.06582	3.765853	3.676739	3.819232	5.041505	4.801196	4.965334	4.205428	4.324646	4.420702	5.769868	5.9886	5.75397	6.21154	6.338024	6.254955	5.284643	5.403571	5.383047
ARAP2	ENSG0000	-0.31574	4.949565	-2.81829	0.011613	0.032748	-3.84638	4.816318	4.682536	4.686762	3.714523	3.441741	3.59692	4.011872	3.856799	4.093134	6.037207	6.025131	5.965409	5.84578	5.903146	5.875427	5.862149	5.871412	5.878503
TPR	ENSG0000	-0.17278	7.619499	-3.57988	0.002225	0.008789	-2.4651	8.148374	8.180279	8.18661	8.006347	7.922119	8.170838	8.034353	8.041168	8.055149	7.267022	7.310376	7.160806	7.243045	7.244247	7.235319	7.018482	6.970173	7.100198
CP	ENSG0000	0.671018	5.789049	2.11726	0.048859	0.101817	-5.2171	5.008072	5.041126	5.018167	6.876873	7.025904	7.009506	5.697811	5.80423	5.863407	5.445717	5.98997	5.459558	5.354592	5.350262	5.278599	6.053108	6.338302	6.114968
KATNIP	ENSG0000	-0.27204	5.216807	-3.3264	0.003877	0.013745	-2.73189	5.362012	5.191734	5.287484	5.307999	5.283625	5.230878	4.857993	4.784126	4.745547	5.291059	5.288033	5.191584	5.777742	5.757473	5.832286	5.072509	5.243446	5.123395
DTNBP1	ENSG0000	-0.00116	3.479631	-0.01004	0.992103	0.994407	-6.80256	3.691678	3.976101	3.736403	3.70135	3.796595	3.632327	4.068294	3.798055	3.783962	3.255856	3.439177	3.318995	3.814873	3.560336	3.593499	3.272618	3.458949	3.079476
C12orf4	ENSG0000	0.167676	4.361317	1.947953	0.067665	0.131606	-5.27345	3.944154	3.96057	4.050156	4.605448	4.360275	4.447604	4.411387	4.562048	4.279358	4.615493	4.386688	4.66833	4.63635	4.682664	4.539229	4.54135	4.568087	4.536426
SCML1	ENSG0000	-0.20504	4.39521	-1.18607	0.251468	0.365812	-6.31072	5.269428	5.474709	5.108765	5.20443	4.928114	4.97456	5.296262	5.327507	5.313214	4.489195	4.322908	4.392334	3.048706	2.888589	2.95373	3.711377	4.041704	3.897964
WWC3	ENSG0000	0.289632	5.738211	2.44016	0.025594	0.061101	-4.54407	6.138331	6.172014	6.234306	7.284928	7.231195	7.241206	6.564183	6.530034	6.566582	4.772865	4.735932	4.758301	5.016508	4.997558	4.95577	4.891489	4.943327	4.86164
MAP4	ENSG0000	-0.06032	7.918484	-0.90056	0.380063	0.502202	-7.14356	8.212775	8.216692	8.293887	7.958707	8.009531	8.003466	7.974349	8.053778	8.079809	7.647554	7.648022	7.651992	7.929328	7.887094	7.893045	7.710283	7.732965	7.741387
GOPC	ENSG0000	-0.01703	5.21023	-0.29972	0.767929	0.837276	-7.18426	5.294704	5.424646	5.489272	5.456512	5.529116	5.445139	5.36994	5.224202	5.261087	5.046721	5.082559	5.143288	5.127945	5.049122	5.100452	5.251384	5.160331	5.048636
USP28	ENSG0000	-0.14788	4.904609	-1.90395	0.073514	0.140582	-5.46966	5.272612	5.164879	4.974661	4.857809	4.871804	4.918297	4.8959	4.883536	4.726452	5.167627	5.160041	5.085161	4.650776	4.693507	4.546874	5.144327	5.077988	5.081151
HDAC9	ENSG0000	-0.9455	2.749305	-4.70771	0.000189	0.00125	0.460357	2.90065	2.576149	2.848472	1.326771	0.625525	0.984419	0.782422	0.824004	0.39151	5.571821	5.444072	5.461135	4.774502	4.919664	4.826692	4.723786	4.891066	4.793504
TSPAN17	ENSG0000	0.291499	6.169925	6.443474	5.31E-06	7.79E-05	3.759403	5.653347	5.533626	5.705507	6.173706	6.254768	6.108942	5.78793	5.839612	5.836943	6.13667	6.084032	6.234289	6.926526	6.838942	6.813846	6.495177	6.528851	6.490722
NOP16	ENSG0000	-0.04675	6.782385	-1.39416	0.180742	0.282425	-6.51497	6.574748	6.579116	6.54671	6.37999	6.415061	6.36717	6.546418	6.560395	6.575503	7.243985	7.098166	7.23181	6.954706	6.903402	7.009811	7.101706	7.117466	7.124668
CC2D2A	ENSG0000	0.087796	4.896607	1.071674	0.298442	0.417268	-6.58654	4.659767	4.649014	4.696533	5.312338	5.157403	5.219282	4.348988	4.421231	4.475104	4.899309	4.839847	4.798774	5.401413	5.419382	5.361134	5.124869	5.101177	5.164438
RRM2B	ENSG0000	-0.06935	5.763184	-0.63074	0.536374	0.648741	-7.04915	6.706538	6.671448	6.640807	6.607092	6.589306	6.558776	6.684577	6.687205	6.608906	4.839091	4.884715	4.768526	5.354592	5.368419	5.305888	4.661004	4.801884	4.587619
ZNF800	ENSG0000	-0.32123	4.716263	-4.81722	0.000149	0.001038	0.566222	5.367978	5.281977	5.437772	4.342447	4.318753	4.264152	5.021241	5.033666	4.973208	4.86157	4.976009	5.030978	4.283307	4.394504	4.288734	4.710794	4.721863	4.622403
SNX29	ENSG0000	-0.03505	4.476859	-0.71792	0.482293	0.601213	-6.84681	4.399293	4.418344	4.307715	4.254996	4.416469	4.337497	4.283766	4.290959	4.339245	4.703453	4.793538	4.665597	4.876225	4.774033	4.79815	4.768358	4.656838	4.689552
MRPS10	ENSG0000	-0.10478	6.469428	-1.09584	0.288019	0.406202	-6.84842	6.622943	6.690403	6.56416	5.794018	5.671168	5.686023	6.271563	6.236837	6.348704	6.762407	6.763778	6.820367	6.677361	6.613925	6.653142	6.911829	6.81403	6.860046
RSF1	ENSG0000	-0.12469	5.877858	-2.56871	0.019631	0.049585	-4.44751	5.064268	5.091908	5.169662	5.156973	5.235346	5.345543	4.902122	5.150979	5.112107	6.71734	6.853036	6.66757	6.655352	6.730816	6.715523	6.585135	6.555329	6.610656
VPS13D	ENSG0000	-0.06026	5.707786	-0.88778	0.386715	0.508397	-6.91339	5.663084	5.706529	5.731878	5.707722	5.856685	6.015936	5.760796	5.629937	5.504708	5.614043	5.801592	5.492317	6.073797	5.987797	5.949395	5.62652	5.482955	5.647122
CELF2	ENSG0000	0.091205	0.490154	0.367746	0.717478	0.799988	-6.31556	0.318509	0.582935	0.512639	1.104644	0.625525	0.657796	0.782422	0.387194	0.106501	2.427256	2.632935	2.422156	2.83289	2.863205	2.647333	2.639009	2.500854	2.912845
FAM120A	ENSG0000	0.070407	8.607992	1.527934	0.144424	0.237477	-6.4593	8.528587	8.529538	8.588665	8.675178	8.748781	8.673612	8.661793	8.61377	8.569501	8.624557	8.587821	8.640143	8.525045	8.490091	8.482694	8.691149	8.659999	8.721801
R3HDM1	ENSG0000	0.241419	5.943053	2.659578	0.016239	0.042673	-4.22851	5.956277	5.979315	6.011719	6.314452	6.362903	6.460417	6.276361	6.273954	6.340354	5.766469	5.749173	5.730625	5.533393	5.443133	5.491637	5.863618	5.864653	6.000631
COL9A2	ENSG0000	-0.03033	0.934871	-0.07167	0.943676	0.963427	-6.1514	1.519087	1.465573	1.202741	1.578054	1.307481	1.475193	1.70672	1.549165	1.826075	1.315703	1.152172	1.219002	2.812503	2.962168	2.883013	1.177011	1.024588	0.872651
KITLG	ENSG0000	-0.8234	5.686796	-8.56981	1.14E-07	3.95E-06	7.762411	6.232898	6.16356	6.212339	5.720837	5.681033	5.757249	5.152303	5.237527	5.136423	5.91203	5.914084	5.813205	5.974073	6.150089	6.093383	5.262556	5.289597	5.194471
ERCC8	ENSG0000	0.342946	3.637088	4.086745	0.00073	0.003624	-0.72736	4.117062	4.065935	4.117166	4.020568	4.1009	4.154771	4.576101	4.547856	4.505294	3.206534	3.348126	3.052298	3.381853	3.120528	3.272365	3.43152	3.2466	3.421736
ADAMTS6	ENSG0000	1.568964	1.41812	5.436446	4.04E-05	0.000377	2.30724	3.071243	2.71221	2.848472	4.584077	3.967543	4.622128	4.629578	4.365678	4.428601	0.54782	0.398185	0.449284	0.787801	1.077171	1.002253	0.738851	0.572487	0.497646
H6PD	ENSG0000	0.102823	5.865068	1.989087	0.062578	0.123877	-5.47515	5.506933	5.477439	5.560557	5.863665	5.984333	5.840343	5.590171	5.646681	5.673738	5.816639	5.898124	5.856986	6.50942	6.514503	6.458146	5.968311	5.911317	5.960412
VAMP3	ENSG0000	-0.04828	6.691362	-1.18721	0.251031	0.365399	-6.73316	6.901149	6.824074	6.799965	7.040106	6.982688	6.961592	6.723746	6.779676	6.656763	6.441708	6.408817	6.463992	6.737395	6.810172	6.798718	6.472264	6.45202	6.451187
PER3	ENSG0000	0.124592	2.995766	1.483906	0.155644	0.251713	-5.92461	1.12723	1.631689	1.667608	1.888135	2.398361	1.840725	1.389995	1.85606	1.826075	4.656475	4.793538	4.763423	5.056064	4.985845	5.025827	4.835732	4.79123	4.874064
TNFRSF9	ENSG0000	-1.33582	0.810755	-7.30625	1.04E-06	2.20E-05	5.74146	1.561356	1.744817	1.667608	0.742604	0.92021	0.563119	0.670238	1.082132	0.925731	2.574485	2.516115	2.435052	1.954519	2.10622	2.121111	1.599785	1.513652	1.416439

EPN3	ENSG0000	0.28241	0.748323	3.158846	0.005584	0.018388	-2.92391	0.106501	0.215206	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	4.880563	5.051412	5.153077	5.50509	5.419382	5.40175	5.392313	5.341637	5.214151
LTBP1	ENSG0000	-0.04128	4.393797	-0.14768	0.884287	0.923109	-6.91544	4.949597	4.897622	4.76778	6.227533	6.317247	6.408603	4.779054	4.540708	4.313883	3.568508	3.547323	3.400153	3.719554	3.86531	3.658454	3.951202	3.743163	3.930053
RCN1	ENSG0000	0.350939	7.79954	6.567241	4.17E-06	6.51E-05	3.896683	8.128303	8.153634	8.103212	8.62374	8.623508	8.642837	8.506086	8.606085	8.620386	6.811892	6.904782	6.901587	7.509998	7.522799	7.522842	7.095472	7.076371	7.173236
RFC2	ENSG0000	-0.20526	5.542813	-2.19367	0.042045	0.09053	-5.11114	5.795144	5.7433	5.808216	4.999073	5.1432	5.127141	5.35187	5.412203	5.392079	6.164057	6.113234	6.182654	4.955062	5.012067	4.920894	6.029758	6.137047	6.083215
ARID1B	ENSG0000	0.057213	5.661198	0.740079	0.469077	0.588744	-7.03294	5.562619	5.538865	5.437772	5.938549	5.943937	5.988874	5.547145	5.431657	5.300358	5.600742	5.704822	5.63047	5.836975	5.857276	5.701404	5.792948	5.832106	5.785098
CLPTM1L	ENSG0000	0.096674	7.940385	2.829961	0.011329	0.032098	-4.09458	7.776817	7.715617	7.731338	7.951075	7.970514	7.938355	7.883716	7.896066	7.834367	7.884343	7.911717	7.944955	8.263714	8.152706	8.239031	8.015454	7.977343	7.949431
NEDD4L	ENSG0000	-0.48267	5.730311	-6.7428	2.98E-06	5.04E-05	4.400461	5.968108	5.761341	5.947704	5.626427	5.326156	5.532066	5.586312	5.514266	5.530627	6.088476	6.069855	6.14194	5.993445	5.929373	5.997611	5.515099	5.539222	5.585495
PPP1R3F	ENSG0000	0.40877	2.348485	2.475087	0.023823	0.057815	-3.70467	3.011517	3.209365	3.359697	4.062381	3.945887	3.936085	3.647218	3.578282	3.69508	1.352446	1.777644	1.858866	1.897591	1.591687	2.036756	1.992244	1.82352	1.546329
HEXB	ENSG0000	0.310632	7.421427	5.154151	7.29E-05	0.000591	1.019656	7.946391	8.025142	8.042257	8.760211	8.701505	8.75283	8.435987	8.471588	8.500922	6.281841	6.337447	6.297442	6.651053	6.671727	6.654912	6.398222	6.447504	6.404842
PTCD2	ENSG0000	0.14371	4.699574	2.260077	0.036846	0.081515	-4.73163	5.316463	5.181722	5.231457	5.156973	5.287935	5.341983	5.490461	5.344028	5.408147	4.156676	4.23323	4.054926	4.218931	4.381153	4.124741	4.166333	4.216457	4.376785
JKAMP	ENSG0000	0.402398	5.892767	5.326661	5.07E-05	0.000446	1.525982	6.183009	6.203694	6.027288	6.406612	6.373081	6.433907	6.662755	6.756723	6.809748	5.351299	5.265591	5.225382	5.413307	5.614563	5.497567	5.459873	5.408227	5.459242
DKK3	ENSG0000	1.058403	0.45815	1.598776	0.12779	0.216243	-4.77526	2.798329	2.49222	2.700947	6.033582	6.156841	6.011461	3.690999	3.491964	3.832397	0.190076	0.330605	0.16959	0.106501	0.416769	0.186984	0.257084	0.358227	0.214669
ARHGEF5	ENSG0000	0.226052	0.956705	1.453781	0.163728	0.261785	-5.82189	0.106501	0.215206	0.598525	0.52061	0.389229	0.2349	0.269385	0.622068	0.106501	4.009149	4.092415	4.15575	4.861416	4.817636	4.851597	4.394709	4.151298	4.329449
NFE2L3	ENSG0000	-0.28937	3.571052	-1.26358	0.222976	0.332863	-5.95467	5.034569	5.164879	5.123327	4.199863	4.149079	4.154771	4.479546	4.405576	4.3476	2.47802	2.687979	2.473063	3.083152	3.131201	3.021143	2.979529	3.009816	2.990979
MCUR1	ENSG0000	-0.01341	5.42117	-0.31	0.760227	0.832277	-7.24418	5.460225	5.546688	5.525355	5.380038	5.338674	5.291197	5.54317	5.517911	5.633301	5.552212	5.575777	5.612134	5.244764	5.253444	5.191054	5.562876	5.440404	5.534225
LIMA1	ENSG0000	-1.0423	6.988263	-5.04561	9.18E-05	0.000708	0.758579	7.658891	7.547121	7.550552	5.918767	5.868245	5.759919	5.943836	6.014928	5.986227	7.756521	7.678921	7.788888	7.697812	7.758758	7.704701	7.105433	7.105331	7.189897
LETMD1	ENSG0000	-0.1963	4.984485	-1.3364	0.198557	0.303217	-6.27323	5.588399	5.533626	5.643717	5.1029	5.008661	5.037542	5.37889	5.514266	5.504708	4.604112	4.815334	4.578198	5.053895	4.941053	5.031287	4.32821	4.563921	4.365096
SLC4A8	ENSG0000	0.105027	0.242537	0.281172	0.78188	0.847383	-6.13562	0.742531	0.582935	0.323815	1.326771	1.164793	1.367251	0.269385	0.106501	0.515351	1.676063	1.644832	1.820066	2.270712	2.307842	2.294605	1.759719	2.354144	2.350536
LAMC3	ENSG0000	0.142674	2.847894	0.879004	0.391324	0.512847	-6.11414	4.333741	4.312206	4.37619	3.999198	4.061165	4.071231	4.702691	4.519046	4.745547	1.964162	2.115463	1.933468	1.897591	1.993753	2.07955	1.512637	1.82352	1.81044
PTGER3	ENSG0000	0.319131	-1.45562	0.753862	0.460968	0.58152	-5.54857	1.791852	1.465573	1.54317	1.519216	2.366112	2.029614	1.966276	1.710758	1.564539	0.106501	0.106501	0.230035	0.106501	0.106501	0.263213	0.183756	0.19538	0.106501
MAPK9	ENSG0000	0.007548	7.787171	0.063355	0.950203	0.967829	-7.58604	6.685193	6.724138	6.662156	6.365449	6.310908	6.286123	6.749855	6.71922	6.779187	8.849269	8.844818	8.824643	9.355355	9.319085	9.374963	8.79617	8.828385	8.861209
BCAR1	ENSG0000	-0.19279	6.512888	-1.52371	0.145471	0.238648	-6.30753	6.535529	6.593033	6.681965	6.178467	6.28095	6.031491	5.958837	5.733887	5.920533	6.649755	6.752525	6.984521	6.859794	6.710498	6.687266	7.119019	7.052777	6.804871
FAM160A2	ENSG0000	-0.33525	4.440541	-5.03118	9.46E-05	0.000726	1.110389	4.969353	4.976959	4.883506	4.54774	4.701332	4.420855	4.512454	4.467202	4.45204	4.573314	4.361514	4.524909	4.301707	4.210485	4.385705	4.249541	4.328771	4.286716
HERPUD1	ENSG0000	0.239805	6.155413	4.809992	0.000152	0.001052	0.448842	6.695905	6.541767	6.593219	7.937798	7.720059	7.772384	6.753301	6.922647	6.858801	4.793054	4.765022	4.835713	6.002473	6.013985	5.976538	5.064871	4.99066	5.041309
HOMER3	ENSG0000	0.22433	3.508918	1.184817	0.251951	0.36629	-6.08301	4.29042	4.34846	4.564038	3.70135	3.878897	3.584921	4.384974	4.040332	4.570996	2.708071	2.935512	2.724859	3.436163	3.253475	3.253801	3.341669	3.356678	3.254409
RAD51	ENSG0000	-0.25782	3.474689	-1.36767	0.188744	0.291382	-6.07401	4.073915	3.896716	3.863273	2.97776	2.686486	2.998412	3.296733	3.462004	3.528681	4.782995	4.765022	4.753161	2.24051	2.169719	1.992654	4.723786	4.648991	4.597643
POLQ	ENSG0000	-0.01663	3.302082	-0.06048	0.95246	0.969145	-6.90307	3.373632	3.657602	3.607684	3.181227	3.531716	3.306732	3.617275	3.578282	3.721038	4.346223	4.439772	4.324649	1.689764	1.710321	1.900186	4.222335	4.200441	4.329449
PIK3CB	ENSG0000	-0.12342	5.857874	-1.7144	0.104132	0.184334	-5.90773	6.006859	6.041536	6.040775	6.274985	6.319354	6.237133	5.928678	5.865591	5.88366	5.730282	5.87162	5.805777	5.644247	5.589628	5.592963	5.680829	5.684473	5.708538
CYBA	ENSG0000	0.097	6.104622	1.023146	0.320192	0.439894	-6.8237	6.497937	6.66667	6.663402	6.519742	6.743187	6.479985	6.470991	6.371863	6.557606	5.259969	5.540693	5.671915	5.743154	5.831329	5.773225	5.985944	5.869726	5.644707
THOC3	ENSG0000	-0.18546	4.430571	-1.80368	0.088545	0.162164	-5.58602	4.630287	4.629503	4.66702	3.633621	3.808643	3.700636	3.965091	3.935218	4.05282	4.832603	5.011508	5.083114	4.698772	4.642195	4.631995	5.075046	5.112633	4.930673
HEBP2	ENSG0000	0.842565	5.739668	5.959621	1.38E-05	0.000164	2.85507	5.5935	5.549286	5.443586	5.918767	5.782263	5.817452	6.686381	6.636135	6.744804	5.038288	5.082559	5.162801	5.850787	5.876434	5.818141	5.692441	5.599495	5.547215
MPHOSPH	ENSG0000	0.438665	3.890361	3.080949	0.00661	0.021006	-2.88818	4.71698	4.710662	4.813395	4.839889	5.094821	4.98829	5.049544	5.263813	5.252213	3.155466	3.166245	3.117748	2.67247	2.344993	2.661487	3.52355	3.404065	3.509302
PLEKHA5	ENSG0000	0.384359	6.164679	2.395364	0.028045	0.065687	-4.70857	6.120772	6.213556	6.050332	7.722411	7.593457	7.673875	6.905069	6.897684	6.864635	5.47933	5.382832	5.351474	5.78822	5.71376	5.761774	5.293385	5.279468	5.305663
PRSS8	ENSG0000	0.626153	2.064136	4.700511	0.000192	0.001264	0.19565	0.503316	0.582935	0.421314	0.106501	0.106501	0.106501	0.548589	0.622068	0.256032	6.031553	5.985857	5.96763	6.984624	6.859146	6.876618	6.65123	6.649766	6.58695
SIKE1	ENSG0000	-0.15136	5.76149	-3.2524	0.004556	0.015628	-3.01739	5.734094	5.76358	5.703085	5.290513	5.128856	5.30954	5.631951	5.514266	5.602211	6.154986	6.247552	6.175948	5.939239	5.958132	5.905471	6.062088	6.020253	6.067072
RRP12	ENSG0000	-0.34999	7.031823	-3.07587	0.006683	0.021191	-3.50656	7.715554	7.643283	7.704957	6.977285	7.059064	6.902396	7.165166	6.971313	6.994023	6.917583	6.746865	6.817292	7.058439	6.906512	6.912567	6.785858	6.759506	6.744122
FNIP2	ENSG0000	0.319944	4.038893	2.826181	0.01142	0.0323	-3.52242	3.975752	4.021717	3.979882	4.392481	4.301803	4.627987	4.583863	4.459641	4.647437	3.980092	4.035189	3.946523	3.752032	3.826433	3.700188	4.175819	4.100421	3.814473
MSMO1	ENSG0000	-0.16938	6.017204	-3.87971	0.001151	0.00523	-1.67583	6.145295	6.168638	5.997956	5.966346	5.797458	5.872779	6.01446	6.004573	6.028417	6.306629	6.230272	6.19028	5.996837	5.989265	5.969444	5.99401	5.961279	6.088556
TTC17	ENSG0000	-0.01439	6.37117	-0.16793	0.868564	0.911439	-7.39012	6.617945	6.646185	6.601043	6.603556	6.489925	6.738763	6.915871	6.712874	6.797601	6.131394	6.050294	6.102067	6.295648	6.298326	6.341015	5.919739	5.894824	5.855713
FSTL4	ENSG0000	1.569892	3.251559	5.32294	5.11E-05	0.000448	2.109159	4.876148	4.826575	5.037516	7.277181	7.066609	7.183695	6.616205	6.472967	6.658443	0.934589	1.190799	1.248523	1.711947	1.393161	1.08859	1.286141	0.871168	1.115245
FOXN3	ENSG0000	0.579579	1.935241	1.938105	0.068937	0.133533	-4.53358	3.183753	3.347134	3.133821	3.688057	3.89028	3.445903	3.788265	3.462004	3.323715	0.982259	0.748206	0.594297	2.145912	2.084417	1.992654	1.512637	1.368306	1.170016
AKR7A2	ENSG0000	-0.07667	5.37986	-1.45512	0.16336	0.261432	-6.24675	5.227386	5.318988	5.287484	5.067404	5.162106	5.015363	5.223595	5.263813	4.934903	5.693164	5.608245	5.759107	5.692458	5.631577	5.638396	5.712133	5.64557	5.603018
MRTO4	ENSG0000	-0.18064	6.865243	-3.55337	0.002358	0.00924	-2.49816	7.032784	7.007196	6.948417	6.197356	6.145011	6.186421	6.608615	6.706499	6.688357	7.37197	7.25335	7.432839	6.814382	6.731693	6.814638	7.353376	7.252399	7.267296
USE1	ENSG0000	-0.11608	4.108962	-1.52564	0.14499	0.238243	-5.81439	4.450796	4.366251	4.382257	4.375995	4.392653	4.531264	4.225415	4.482206	4.279358	3.838337	3.970058	3.999574	4.287006	4.230476	4.293286	3.812139	3.85652	3.725851
LAMA3	ENSG0000	0.292809	5.107092	1.367188	0.188894	0.291517	-6.38817	4.511345	4.256058	4.441562	4.502891	4.335505	4.78306	4.709802	4.428995	4.380548	6.257831	6.304802	6.278785	4.604095	4.600559	4.535391	6.668972	6.640893	6.596979
AP5M1	ENSG0000	-0.05554	5.402414	-1.02646	0.318673	0.438368	-6.7414	5.111261	5.130591	4.950366	5.547654	5.375591	5.474701	5.021241	5.246342	5.072328	5.581526	5.672774	5.525857	5.911951	5.956632	5.881486	5.406484	5.431284	5.585495
ANAPC4	ENSG0000	-0.1061	5.090092	-1.97855	0.063847	0.125668	-5.38234	5.153322	5.253581	5.134153	4.97738	4.764552	4.903882	4.926746	5.03875	5.010523	5.389369	5.231258	5.26203	5.170617	5.178243	5.248442	5.161139	5.271824	5.326909
TRAPPC3	ENSG0000	-0.08398	5.920146	-1.91672	0.071772	0.137843	-5.60501	5.999192	6.015467	6.093496	6.064776	5.976344	5.968239	5.840713	5.918946	5.800886	5.857155	5.892276	5.968739	5.926252	5.918631	6.044267	5.916914	5.879817	5.921037
THRAP3	ENSG0000	-0.15741	7.556234	-2.88762	0.010018	0.029149	-3.95269	7.934379	7.928163	7.938003	7.244634	7.29361	7.340886	7.719025	7.714215	7.659151	7.566797	7.574611	7.64819	7.328082	7.385229	7.335823	7.534798	7.520416	7.490154
PHPT1	ENSG0000	0.079961	6.393128	1.708125	0.105312	0.186075	-5.95376	6.971409	6.861142	6.97676	7.264921	7.377903	7.252628	7.063352	6.998961	7.131024	5.647693	5.551865	5.734542	5.852036	5.930901	5.822871	5.692441	5.661257	5.642288
LY75	ENSG0000	0.178123	-0.08266	1.54131	0.141152	0.233173	-5.61794	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.659289	3.7289	3.630629	4.033205	4.022628	4.098971	3.883346	3.698248	3.856822
ARID4B	ENSG0000	0.185082	5.711497	2.304203	0.033727	0.076072	-4.87125	5.523064	5.644701	5.592306	6.161733	6.036494	6.16038	5.985453	6.078014	6.071932	5.57959	5.529435	5.490774	5.698025	5.767769	5.607658	5.361471	5.581058	5.453733
OPN3	ENSG0000	-0.06732	5.732378	-1.20509	0.244234	0.357221	-6.34875	7.768384	7.809638	7.796958	7.951771	8.019284	7.998952	7.724302	7.64006	7.654949	3.622156	3.709078	3.608031	4.002038	3.86531	3.862146	3.651445	3.800954	3.797179
SDCCAG8	ENSG0000	-0.31786	3.931243	-2.85681	0.010699	0.030661	-3.43978	4.721647	4.599733	4.531653	4.009923	3.784444	3.897801	4.225415	4.128801	4.08316	3.956418	3.824119	3.863099	3.825085	3.819851	3.991027	3.637781	3.713375	3.889829
PTPRN	ENSG0000	0.227909	-0.05926	0.72586	0.477532	0.596664	-5.68998	3.87042	4.164126	4.050156	4.333937	4.343809	4.154771	4.367093	4.221128	4.305329	0.106501	0.185134	0.106501	0.171976	0.26996	0.186984	0.106501	0.106501	0.106501
HHAT	ENSG0000	-0.32972	3.566019	-2.82188	0.011525	0.03255	-3.32654	4.615318	4.604738	4.681852	4.727426	4.455308	4.506036	4.205428	4.119235	4.011347	2.790717	2.841532	2.855308	3.310958	3.338827	3.075009	2.957699	2.741225	2.863849
KIF1B	ENSG0000	0.123279	5.92694	1.42551	0.171625	0.271425	-6.36735	5.364998	5.285098	5.341417	5.790912	5.87399	6.009218	5.624444	5.7054	5.534291	6.300766	6.457152	6.158558	6.242349	6.267213	6.272352	6.34456	6.32359	6.24183
FOXC1	ENSG0000	1.166137	6.189882	5.120265	7.83E-05	0.000626	1.093005	5.779563	5.90823	5.826129	7.79861	7.695125	7.769737	7.698616	7.521605	7.625187	5.117808	5.22894	5.204822	5.403118	5.493636	5.465657	5.402449	5.522142	5.414576
TBC1D22A	ENSG0000	-0.21051	4.913842	-2.64255	0.016829	0.043892	-4.06147	5.256622	5.272573	5.332045	5.400559	5.309293	5.338414	4.877071	4.703199	4.956916	4.626786	4.616873	4.626781	4.98725	5.18338	4.97856	4.616418	4.710599	4.551975
SYNE2	ENSG0000	-0.89086	6.084997	-5.85268	1.72E-05	0.000194	2.589868	5.406168	5.469231	5.690917	5.626427	5.782263	6.089965	4.31208	4.324646	4.396744	6.751271	7.012483	6.550234	8.145684	8.135249	8.157114	5.980541	6.053325	6.171428
PLEKHH1	ENSG0000	0.43791	3.220312	3.113132	0.006166	0.01994	-2.75208	3.498536	3.450822	3.688245	3.408969	3.242978	3.459109	3.602068	3.431409	3.421943	2.894025	3.126946	2.671369	3.449427	3.263212	3.281558	3.545669	3.705831	3.611778
ATP9A	ENSG0000	0.465588	6.515486	3.180773	0.005324	0.017734	-3.23721	5.1077	5.081176	5.041355	6.924414	6.917424	6.782758	5.679816	5.650007	5.70008	6.773457	6.903329	6.866912	7.534322	7.528362	7.481057	7.271688	7.21834	7.17072
FAM168A	ENSG0000	0.32742	6.346078	2.130403	0.04762	0.099757	-5.23525	6.133086	6.211917	6.158566	7.810928	7.76481	7.805074	6.54443	6.524609	6.665144	5.606458	5.721408	5.574748	6.240442	6.130274	6.162191	5.870936	5.826899	5.84102
RELT	ENSG0000	-0.05784	4.021377	-0.50027	0.623128	0.723032	-6.95429	3.919992	3.628412	4.050156	3.425084	3.574682	3.608819	3.814892	3.935218	4.021828	4.945135	4.84591	4.947938	3.835226	3.462307	3.72061	4.787047	4.81246	4.762652
GALC	ENSG0000	0.874431	7.698793	8.911343	6.50E-08	2.67E-06	8.281451	9.150834	9.176759	9.086286	10.72189	10.53758	10.57278	10.20526	10.25255	10.18155	4.957113	5.113047	4.943432	5.863229	5.949112	5.943615	5.416521	5.336761	5.510546
NOP58	ENSG0000	1.038216	7.376859	20.5777	1.07E-13	1.30E-10	21.67952	6.750589	6.788229	6.831347	7.543905	7.466124	7.611666	7.96769	8.010448	8.017022	6.848526	6.868011	6.822822	7.395594	7.429138	7.450815	7.726511	7.683411	7.740821
SZRD1	ENSG0000	-0.01344	7.753113	-0.34757	0.732311	0.810877	-7.50272	7.743932	7.702255	7.688527	7.332696	7.367759	7.331043	7.696828	7.635873	7.660828	8.013276	7.934658	8.020161	7.879363	7.853247	7.802144	8.02467	7.980863	8.013543
CUL1	ENSG0000	-0.09432	6.745996	-2.40016	0.027772	0.065166	-4.81676	7.480397	7.550367	7.521987	7.358099	7.235665	7.291907	7.306736	7.422997	7.365098	6.252981	6.217467	6.204472	5.949778	5.935475	6.021128	6.213684	6.168947	6.20624
FAM114A2	ENSG0000	0.046542	4.988582	0.680351	0.505196	0.620998	-6.94203	5.297832	5.102561	5.123327	5.367584	5.079986	5.242382	5.374422	5.380521	5.229787	4.899309	4.712893	4.835713	4.888451	4.985845	4.794943	4.67445	4.755137	4.894538
CYFIP2	ENSG0000	-0.23514	4.605775	-1.94328	0.068266	0.13254	-5.20532	5.552176	5.452673	5.483639	5.977316	5.830334	5.90932	5.071794	4.960553	4.929347	3.659289	3.811781	3.630629	4.110387	4.164465	3.939687	3.940112	3.863317	3.889829
TAB2	ENSG0000	-0.05501	6.180012	-1.36953	0.188175	0.290633	-6.45709	6.088617	6.237919	6.124589	6.346536	6.263548	6.412002	6.111626	6.048077	6.109268	6.202301	6.224465	6.174026	6.266905	6.305411	6.24559	6.170447	6.104426	6.173105
GINM1	ENSG0000	0.096665	5.736783	2.023547	0.058583	0.117604	-5.36931	5.743303	5.811984	5.81496	6.241251	6.308788	6.34244	5.866398	5.924449	5.813006	5.339908	5.384916	5.467426	5.700801	5.769478	5.731905	5.550168	5.526431	5.434288
EIF2AK2	ENSG0000	0.228649	7.153715	2.242673	0.038148	0.083797	-5.19597	6.534203	6.536539	6.508393	6.960797	6.777308	6.754917	6.591391	6.714463	6.633033	7.689892	7.678921	7.638466	7.288498	7.379645	7.377148	7.905721	7.96436	8.033527
USP36	ENSG0000	-0.13643	7.582698	-3.37542	0.003483	0.012612	-2.92339	7.871725	7.813425	7.853732	7.556762	7.483139	7.594564	7.767542	7.711034	7.810386	7.76974	7.604872	7.683405	7.239709	7.154888	7.21387	7.506414	7.46619	7.528649
KMT2C	ENSG0000	0.023387	6.346893	0.219245	0.828999	0.883261	-7.39744	6.003031	5.983164	6.036935	6.252583	6.278786	6.592126	6.477256	6.373876	6.338259	6.624627	6.781286	6.254437	6.634453	6.483602	6.605436	6.282253	6.24509	6.328649
MCOLN3	ENSG0000	0.186467	2.304542	0.763427	0.455391	0.575982	-6.20351	1.681202	1.849715	1.499186	3.57705	3.207016	3.419122	2.058296	2.255906	1.674905	2.679436	2.779525	2.7037	3.039964	3.193633	3.106389	2.666185	2.854728	2.724423
PUM2	ENSG0000	-0.05172	7.178735	-0.78113	0.445179	0.565981	-7.17849	7.527133	7.546471	7.51786	7.403541	7.418763	7.512223	7.644902	7.733937	7.585113	6.95465	6.908408	6.852565	6.938922	6.912712	6.919945	6.734628	6.650749	6.646104
MRPL43	ENSG0000	0.035397	5.73692	0.840496	0.411981	0.533732	-6.94855	5.991484	5.959918	6.023412	6.030952	6.074412	6.09843	5.991301	5.959717	5.991568	5.395984	5.344801	5.537862	5.648566	5.62404	5.576251	5.467617	5.564469	5.491856
HPF1	ENSG0000	-0.15634	4.363214	-2.24795	0.037749	0.0831	-4.71368	4.707601	4.826575	4.509652	4.701197	4.485643	4.598452	4.695544	4.583078	4.72003	4.337085	4.322908	4.395637	4.167687	4.240369	4.237689	4.036981	4.035699	4.229846
ZFR	ENSG0000	-0.10037	7.471935	-2.25477	0.037238	0.08223	-5.17894	7.790763	7.771204	7.77407	7.427738	7.544765	7.505078	7.592001	7.582918	7.583345	7.395819	7.333217	7.310023	7.352999	7.341664	7.341328	7.335501	7.337853	7.326508
ZNF280C	ENSG0000	-0.23133	4.47474	-3.15766	0.005598	0.018432	-2.99008	4.702888	4.778666	4.822347	4.082842	3.978251	3.982555	4.599263	4.696781	4.520155	4.842324	4.80914	4.818593	4.386902	4.581228	4.435973	4.519164	4.613145	4.577525
TRAF1	ENSG0000	-0.97498	3.167775	-4.23063	0.000533	0.002834	-0.4259	5.343965	5.466485	5.369174	2.255624	1.996426	2.132113	4.101117	3.868266	3.628063	3.420635	3.517242	3.567612	1.99126	2.269709	2.036756	3.209363	3.297679	3.267027
RC3H2	ENSG0000	0.089255	6.943697	1.768688	0.094394	0.170854	-5.97745	6.835926	6.821926	6.795426	6.745073	6.716257	6.704517	7.046599	7.071441	6.972573	7.065999	7.143179	6.973514	7.044303	7.055431	7.073387	7.016503	7.0902	7.032532
IL17RB	ENSG0000	-0.2621	1.56864	-1.59553	0.128516	0.217071	-5.46354	0.882475	1.631689	1.667608	0.742604	1.2379	0.746642	1.648695	1.082132	1.01237	3.688323	3.830249	3.882059	1.838325	1.993753	2.141451	3.595997	3.476789	3.601852
TRAF3IP2	ENSG0000	-0.23137	4.45762	-1.57829	0.132426	0.221925	-5.83774	5.121892	4.969219	5.033667	4.525489	4.600983	4.524999	4.437325	4.467202	4.170531	4.13047	4.181422	4.238998	4.676384	4.697103	4.667494	4.365992	4.391248	4.255399
GYG2	ENSG0000	0.615161	3.694211	3.664895	0.001846	0.007602	-1.49664	5.781799	5.741029	5.597531	5.20443	4.917027	5.131272	6.335028	6.278258	6.491277	1.865926	2.267764	1.933468	2.28558	1.921808	1.826726	2.135245	2.37332	2.350536
DCBLD2	ENSG0000	-0.28035	8.65262	-3.2372	0.004709	0.016065	-3.29584	9.130798	9.082148	9.128403	8.526261	8.492395	8.578111	8.622295	8.533218	8.516755	8.867233	8.828451	8.773521	8.107757	8.086724	8.143943	8.787495	8.81091	8.799037
SOAT1	ENSG0000	0.93761	6.197546	4.042009	0.000806	0.003933	-1.27049	5.557407	5.687786	5.538996	7.746659	7.702408	7.768411	6.973143	7.081328	7.007269	5.42646	5.450055	5.454817	5.735053	5.741888	5.826017	5.820423	5.779172	5.680517
PKP2	ENSG0000	-0.23819	6.330615	-2.26782	0.03628	0.080501	-5.00072	6.834849	6.821926	6.850072	7.25819	7.081582	7.062384	6.205178	6.171229	6.229433	5.6624	5.641742	5.769327	6.433023	6.33341	6.363917	5.870936	5.821673	5.892821
GDI2	ENSG0000	-0.07821	7.763397	-1.77381	0.093517	0.169526	-6.02006	8.253628	8.250613	8.265039	8.186129	8.05006	8.169332	8.138161	8.120626	8.13757	7.500305	7.48031	7.457145	7.150651	7.187852	7.182927	7.47314	7.423709	7.442979
PRDM1	ENSG0000	0.089985	2.589234	0.634154	0.534193	0.646817	-6.31581	3.541402	3.428416	3.28395	3.533117	3.670226	3.086148	3.457463	3.506713	3.628063	2.224158	2.267764	2.396013	2.009285	1.970168	2.276326	2.384669	2.601856	1.942153
ATG5	ENSG0000	0.026583	5.427969	0.562708	0.58078	0.687162	-7.07098	5.843047	5.850414	5.914599	6.149661	5.989635	6.011461	5.81126	5.916187	5.794788	4.871097	4.919631	4.892917	5.07758	5.198683	5.188613	5.052051	4.90431	4.969789
TMCC3	ENSG0000	0.719345	0.257926	2.764856	0.013008	0.035909	-3.34159	0.106501	0.215206	0.323815	0.52061	0.512209	0.461789	0.106501	0.106501	0.106501	3.367773	3.398501	3.254982	3.213258	3.065945	3.137101	4.175819	4.178806	4.087723
PITHD1	ENSG0000	0.008304	5.794578	0.119215	0.906465	0.938283	-7.38379	5.924244	6.024831	5.869964	4.790984	4.928114	4.899045	5.888503	6.090306	5.99689	6.298414	6.187935	6.301849	5.619524	5.629696	5.629423	6.273444	6.197469	6.260879
MTA3	ENSG0000	-0.08522	5.291201	-1.21284	0.241331	0.353824	-6.51606	5.417718	5.398948	5.47515	5.355021	5.226392	5.30589	4.968851	5.078784	5.342774	5.22076	5.290258	5.320535	5.538057	5.460164	5.449434	5.340537	5.331868	5.40033
USP13	ENSG0000	-0.12906	4.817175	-1.86618	0.078888	0.148803	-5.5154	4.345883	4.47956	4.268949	4.591236	4.836932	4.627987	4.437325	4.657666	4.261781	5.190639	5.312323	5.151125	5.508262	5.510085	5.557452	5.03391	4.946531	4.965925
ATP11B	ENSG0000	0.195478	5.561741	2.28598	0.034984	0.078299	-4.92175	5.184082	5.300601	5.187095	5.199754	5.176125	5.257578	5.753932	5.727605	5.602211	5.698525	5.8294	5.718809	5.962555	5.866886	5.946508	5.74914	5.742773	5.780706
LAMC2	ENSG0000	0.393607	6.867519	2.020695	0.058905	0.11805	-5.60615	5.679969	5.424646	5.565897	4.647264	4.628433	4.473866	4.420085	4.389749	4.534865	8.746469	8.709203	8.784427	8.450112	8.364835	8.429926	9.6446	9.597833	9.644305
CDK14	ENSG0000	-0.05367	2.582386	-0.48036	0.636929	0.735341	-6.45574	3.142584	3.142112	2.865896	3.020814	2.970101	2.924168	2.576877	3.043491	2.915195	2.650221	2.590228	2.604447	2.614772	2.686334	2.870883	2.878584	2.465551	2.706008
SEC61A1	ENSG0000	0.353508	8.747688	5.416801	4.20E-05	0.000387	1.441483	8.360352	8.389394	8.399356	8.836749	8.804745	8.843429	8.737251	8.673816	8.754863	8.764261	8.70149	8.729873	8.758094	8.72774	8.756012	9.106591	9.075601	9.101843
PPP1R12A	ENSG0000	-0.04575	6.54203	-0.94239	0.358836	0.480709	-6.97401	6.960592	6.847484	6.870716	6.836776	6.708239	6.87802	6.992225	6.983227	6.95217	6.293698	6.378811	6.309747	6.195885	6.1991	6.17458	6.103682	6.197469	6.169749
RASGRF1	ENSG0000	-0.53669	-1.39243	-2.15448	0.045423	0.096075	-4.04897	0.106501	0.106501	0.219246	0.106501	0.25478	0.2349	0.106501	0.106501	0.106501	2.056133	1.699433	1.73919	1.446877	1.681564	1.423614	1.250674	1.478665	1.416439
CROCC	ENSG0000	-0.0373	2.521765	-0.23118	0.819861	0.876587	-6.65155	2.416107	2.513665	2.621113	2.359902	2.429905	1.956998	2.01302	1.85606	1.620777	2.930935	3.232543	3.232997	3.840269	3.528394	3.571181	3.415594	3.449945	3.202807
POLR3E	ENSG0000	-0.10954	6.42159	-2.41099	0.027166	0.06404	-4.78279	6.703003	6.66667	6.712382	6.50655	6.628918	6.639299	6.704294	6.558627	6.594935	6.351563	6.386111	6.42493	6.148892	5.987797	6.142143	6.22172	6.259333	6.267173
ATP2B4	ENSG0000	-0.54776	5.539971	-5.65742	2.56E-05	0.00026	2.225779	5.533718	5.582643	5.552509	5.213737	5.212855	5.387592	4.599263	4.45204	4.490278	6.173072	6.19982	6.018854	6.122223	6.128944	6.080272	5.886907	5.8459	5.8578
ZC3H11A	ENSG0000	0.03027	7.404031	0.582135	0.56791	0.677165	-7.33198	8.038577	8.018126	8.047038	7.804012	7.703215	7.860868	8.105506	8.190807	8.168556	6.931311	6.994172	6.785547	6.747498	6.743045	6.801916	6.829332	6.818409	6.85692
RIOK2	ENSG0000	-0.16228	5.417324	-2.52643	0.02143	0.053092	-4.42885	5.814934	5.768048	5.69823	5.250376	5.279302	5.366721	5.286782	5.439365	5.367637	5.439327	5.481554	5.501542	5.338642	5.294379	5.303633	5.501961	5.52857	5.475641
YIPF1	ENSG0000	-0.04318	4.440785	-0.70897	0.487693	0.605703	-6.80354	3.96004	4.190995	4.095173	4.753186	4.648682	4.685302	4.19533	4.009594	3.935772	4.438829	4.502533	4.50975	5.302552	5.284851	5.361134	4.511692	4.460128	4.347382
NDC1	ENSG0000	0.273591	5.740892	2.791256	0.0123	0.03438	-3.98029	5.572986	5.585177	5.533555	5.346585	5.47722	5.503669	6.040078	6.114582	5.895106	6.183306	6.129481	6.056895	5.111351	5.284851	5.28547	6.296455	6.166201	6.268742
DGKG	ENSG0000	0.140161	2.686761	0.84299	0.410623	0.532359	-6.05203	4.992709	4.897622	4.950366	4.647264	4.392653	4.512384	4.938902	5.023446	5.072328	1.52331	1.152172	1.631268	0.869014	1.032323	0.957066	1.784732	1.956613	1.626848
FLYWCH1	ENSG0000	0.182141	5.114691	3.236522	0.004716	0.016081	-2.84979	5.618738	5.501788	5.64624	5.988204	6.069414	5.894815	5.81126	5.698992	5.776337	4.327889	4.45968	4.447471	4.673561	4.588991	4.6463	4.650836	4.613145	4.494122
UNKL	ENSG0000	-0.31445	4.875026	-1.50415	0.150398	0.245234	-5.82676	7.293996	7.404459	7.463818	6.05186	6.051781	5.926062	7.133784	6.94041	7.069211	3.155466	3.21391	3.203153	3.281595	3.292034	3.157218	2.946659	3.138674	2.81313
TBXAS1	ENSG0000	0.935216	0.888433	2.230931	0.03905	0.085306	-3.9255	1.959273	2.068355	1.921989	2.81607	2.633282	2.865864	2.832807	3.043491	2.670735	0.834246	0.89579	1.219002	0.656707	0.190544	0.651457	1.099384	1.329561	1.461048
PARP12	ENSG0000	0.030857	5.889815	0.433989	0.669606	0.762507	-7.3086	5.578142	5.501788	5.396406	5.171375	4.939117	5.00189	5.109925	5.268148	5.126746	6.649755	6.62434	6.632311	6.341723	6.285244	6.336612	6.85613	6.835794	6.865242
ALDH18A1	ENSG0000	-0.31463	7.060925	-5.88295	1.62E-05	0.000186	2.560705	7.926821	7.948973	7.899922	7.647983	7.708048	7.656066	7.436719	7.445181	7.455816	6.59139	6.546428	6.593295	6.35764	6.363142	6.389653	6.437198	6.432727	6.479923
TARBP1	ENSG0000	-0.08776	5.500355	-2.16791	0.044238	0.094228	-5.03292	6.416805	6.472276	6.443147	6.361268	6.334017	6.311829	6.4068	6.316432	6.35286	4.779626	4.758608	4.719298	4.745223	4.704269	4.584502	4.700972	4.613145	4.680149
GATB	ENSG0000	-0.71615	4.852011	-11.0764	2.51E-09	2.23E-07	11.70562	5.98955	5.957964	5.949748	5.009799	5.013874	5.076625	5.208612	5.136826	5.202407	4.889966	4.679329	4.8741	4.139322	4.279275	4.237689	4.240529	4.134537	4.311289
MXD1	ENSG0000	-0.2501	3.668004	-1.71503	0.104014	0.18419	-5.77795	1.519087	1.670392	1.744977	2.766336	1.909591	2.346268	2.340763	2.069791	2.005764	6.227246	6.341745	6.323684	5.04081	5.029288	4.99542	5.90413	5.914593	6.050746
CDK17	ENSG0000	0.61054	5.180916	6.446624	5.27E-06	7.76E-05	3.917849	4.937612	4.95753	5.033667	5.626427	5.518152	5.719334	5.875913	5.957035	5.88366	4.889966	4.796672	4.732417	4.973543	4.979952	4.914999	5.09268	5.003024	5.123395
DNAJC25	ENSG0000	0.163788	4.186135	1.065727	0.301048	0.420005	-6.39943	4.640181	4.624584	4.686762	4.316764	4.276	4.330328	5.009762	5.146277	4.945952	3.838337	3.811781	3.696374	4.151547	4.10615	4.139984	3.6717	3.667508	3.805852
SLC2A3	ENSG0000	0.908446	4.073905	6.665156	3.46E-06	5.61E-05	4.670103	6.37001	6.426375	6.214041	7.003011	6.955853	6.978887	7.262685	7.184693	7.263882	1.278001	2.011405	1.387696	1.573426	1.710321	2.07955	2.192442	2.169028	2.119598
CTDP1	ENSG0000	0.018639	4.686948	0.278139	0.784169	0.849154	-7.06987	4.794334	4.847837	4.835673	4.988267	4.97698	4.927828	4.709802	4.831761	4.929347	4.382206	4.394983	4.623968	4.902986	4.794321	4.94134	4.581158	4.49118	4.444998
YBX3	ENSG0000	0.02873	7.516288	0.50646	0.618863	0.719431	-7.3943	7.92328	7.87375	7.848263	7.709311	7.593457	7.640935	8.065872	7.95842	8.026811	7.27482	7.23787	7.230886	7.236365	7.100256	7.209662	7.166778	7.22693	7.120329
STYK1	ENSG0000	0.053263	1.239061	0.321623	0.751553	0.82589	-6.61713	1.010037	1.118985	1.202741	0.52061	0.625525	0.461789	0.548589	0.387194	0.515351	3.284659	3.26005	3.210672	3.611602	3.731427	3.533199	3.374993	3.628139	3.410407
WNK1	ENSG0000	-0.07159	8.200127	-0.50112	0.62254	0.722547	-7.4363	8.380781	8.442071	8.536238	9.071458	9.12387	9.247825	8.233766	8.155558	8.18497	7.781577	7.915326	7.66505	7.737889	7.742318	7.773107	7.921666	7.881404	7.903704
CCAR1	ENSG0000	0.134036	7.013195	2.303675	0.033763	0.076113	-5.02473	7.418506	7.437793	7.458803	7.728917	7.669753	7.796646	7.722545	7.685333	7.634607	6.396241	6.498155	6.478858	6.390676	6.32994	6.403403	6.479942	6.409694	6.523954
OGFR	ENSG0000	0.409949	5.96718	4.364788	0.000398	0.002245	-0.61065	5.064268	5.17164	5.045184	5.930104	6.116215	5.906913	5.422829	5.38452	5.325957	6.074798	6.201003	6.331464	6.716289	6.562608	6.612739	6.764798	6.701892	6.539638
GNA15	ENSG0000	0.348473	-0.32371	1.651198	0.116551	0.201484	-5.17733	0.318509	0.316291	0.106501	0.258133	0.106501	0.106501	0.269385	0.253663	0.106501	2.461296	2.516115	2.369387	3.157774	3.213858	3.21594	2.866919	2.665466	2.760563
PIGV	ENSG0000	-0.50228	3.999784	-5.00617	9.98E-05	0.000756	1.130469	4.615318	4.424018	4.357835	4.041626	3.683372	3.818042	3.747379	4.040332	3.856018	4.187508	4.283241	4.335006	4.234338	4.24529	4.169997	3.98397	3.890192	3.734962

PTPRU	ENSG0000	0.183882	5.739128	1.767852	0.094538	0.171027	-5.86995	3.701161	3.676739	3.431666	5.077635	5.008661	5.072334	3.539581	3.102941	3.513908	7.153837	7.196946	7.204297	8.168171	8.091856	8.100124	7.463491	7.443689	7.400665
SNRNP40	ENSG0000	-0.13344	5.731671	-2.34119	0.031303	0.071652	-4.86388	5.520388	5.704199	5.64624	5.218368	5.064996	5.268872	5.188389	5.352217	5.375831	6.348156	6.255545	6.341773	5.833186	5.841114	5.847842	6.289918	6.308726	6.287442
QSER1	ENSG0000	0.161083	6.063748	1.999772	0.061314	0.121917	-5.46967	6.231262	6.338981	6.415312	6.498957	6.444317	6.608517	6.602897	6.535438	6.383659	5.778332	5.901039	5.612134	5.571804	5.464391	5.485683	5.85183	5.868037	5.97009
MPC1	ENSG0000	0.342564	2.783683	1.664768	0.113782	0.197489	-5.28879	2.461454	2.258179	2.351095	3.308302	3.6964	3.523386	3.388228	3.302095	3.143496	2.955028	3.15652	3.026968	2.949505	2.824271	2.965187	2.843302	2.881762	2.84714
ACAA1	ENSG0000	-0.13411	5.216473	-1.17715	0.254916	0.369647	-6.53528	4.538049	4.553894	4.641955	5.660858	5.657909	5.578188	4.651903	4.690335	4.680887	5.632834	5.510473	5.612134	5.722816	5.788145	5.813395	5.315009	5.322033	5.277879
BCAT1	ENSG0000	-0.54957	6.827077	-1.99446	0.061939	0.122851	-5.6209	5.153322	5.201677	5.130553	4.569652	4.594038	4.604407	5.555064	5.602735	5.591697	8.552862	8.536491	8.480781	9.541441	9.569774	9.559644	7.655822	7.716636	7.718028
HDAC7	ENSG0000	-0.07819	6.303465	-0.7079	0.488338	0.606294	-7.14813	6.673197	6.640104	6.732706	6.164136	6.3444	6.223654	6.522384	6.377892	6.447246	5.978182	6.134444	6.01349	6.482252	6.326461	6.423268	6.123425	6.229391	5.96816
SPAG4	ENSG0000	0.689151	4.028058	8.322145	1.73E-07	5.51E-06	7.527634	3.96004	4.230384	4.095173	4.181007	4.56592	4.218286	4.772276	4.715948	4.807433	3.446357	3.682218	3.413246	4.028794	3.86531	3.78667	4.122857	4.189664	4.087723
NCKAP1	ENSG0000	0.024416	8.288109	0.794244	0.437705	0.558924	-7.26495	8.310109	8.303126	8.296299	8.369583	8.340922	8.419947	8.386918	8.362297	8.389503	8.291837	8.261071	8.226171	8.183384	8.207946	8.217038	8.24203	8.194032	8.26971
MRPS35	ENSG0000	-0.25163	7.159437	-4.63633	0.00022	0.001398	-0.14653	7.342524	7.346635	7.229012	6.498957	6.606662	6.504077	7.023954	7.041366	7.026913	7.619094	7.553924	7.612093	7.141997	7.220704	7.182927	7.349714	7.353025	7.408516
GUCY1B1	ENSG0000	0.317358	1.964388	2.444497	0.025367	0.060703	-4.22885	0.882475	0.316291	0.756332	1.104644	0.625525	0.909432	1.160105	1.491012	1.171446	4.276236	4.357275	4.402219	3.86027	4.132949	4.104162	4.507942	4.580516	4.557121
SFSWAP	ENSG0000	-0.30702	5.814974	-9.5188	2.48E-08	1.29E-06	9.280348	5.792929	5.765816	5.780922	5.502803	5.465853	5.461637	5.457042	5.447033	5.466856	6.292517	6.294863	6.339202	6.063051	5.940035	6.015629	6.020575	6.001889	6.043431
TNK2	ENSG0000	-0.30499	3.585693	-2.37477	0.029244	0.067828	-4.25967	3.944154	3.8803	3.638424	4.142539	4.231942	4.096805	3.490873	2.753138	3.254305	3.599408	3.381904	3.451828	4.179675	4.269646	4.098971	3.530961	3.520448	3.31642
MON2	ENSG0000	0.335797	5.674286	5.200685	6.61E-05	0.000545	1.278707	5.501516	5.520446	5.528093	6.263828	6.163893	6.278694	5.925627	5.938116	6.015365	5.264796	5.457995	5.217939	5.632665	5.681447	5.677227	5.442295	5.593376	5.567757
CDH3	ENSG0000	0.619497	4.009328	8.916065	6.45E-08	2.66E-06	8.259589	0.667115	0.582935	0.898566	0.635873	1.164793	1.123626	0.269385	0.726566	0.833554	8.314419	8.30932	8.302704	8.857368	8.807468	8.802058	8.946093	8.969737	8.936199
GPBP1	ENSG0000	0.049585	6.60864	1.4492	0.164987	0.263122	-6.41111	6.583748	6.593033	6.54806	6.689454	6.519549	6.491278	6.649872	6.674198	6.579055	6.67717	6.6305	6.655912	6.608822	6.612974	6.633531	6.710356	6.686643	6.685409
DGAT2	ENSG0000	-0.65783	3.038538	-3.27456	0.004341	0.015032	-2.31379	4.484137	4.440906	4.314076	3.392671	3.630051	3.445903	3.370387	3.250449	3.4839	2.693825	2.674414	2.522234	2.911671	2.756951	2.906973	2.568742	2.465551	2.760563
ZNF112	ENSG0000	0.195167	2.432558	1.689376	0.108906	0.191205	-5.29063	1.719036	2.179863	1.921989	2.181668	2.117603	2.429135	1.648695	1.988058	2.560038	2.918737	3.21391	3.187996	3.652319	3.583837	3.707028	3.236813	3.287607	3.375875
CS	ENSG0000	-0.19802	7.700314	-6.79183	2.71E-06	4.75E-05	4.325427	8.158305	8.191549	8.142166	7.972479	7.898355	7.913386	7.910197	7.956406	7.941751	7.556007	7.502551	7.523929	7.287114	7.346825	7.356089	7.391022	7.315101	7.374668
ELMO2	ENSG0000	-0.30423	5.481701	-6.24865	7.77E-06	0.000106	3.472508	5.663084	5.694843	5.799175	5.772136	5.634408	5.778475	5.461262	5.281075	5.396113	5.575711	5.471785	5.445288	5.533393	5.495702	5.574382	5.327829	5.135275	5.230349
WAPL	ENSG0000	0.05884	6.36216	1.304167	0.209091	0.316044	-6.5554	6.750589	6.734449	6.695428	6.6194	6.584058	6.687786	6.623754	6.742773	6.651711	5.984048	6.089154	6.025264	6.061972	6.016865	5.996216	6.273444	6.16345	6.151152
VMP1	ENSG0000	0.11662	7.665758	3.114571	0.006146	0.019896	-3.48896	7.062519	7.012854	6.996669	7.54667	7.552846	7.56433	7.230905	7.194975	7.23377	7.935946	7.980852	7.886007	8.29275	8.334562	8.330177	7.898578	7.99486	8.072683
APPBP2	ENSG0000	0.116772	5.801409	2.01203	0.059892	0.119688	-5.4331	5.786261	5.727328	5.607923	5.863665	5.593209	5.702775	5.69064	5.856983	5.741885	5.747627	5.766859	5.775677	6.059811	6.096633	6.114114	5.935182	5.901444	5.936917
POLD1	ENSG0000	-0.22003	5.208065	-2.70109	0.014882	0.039799	-4.09887	5.334855	5.221361	5.353819	4.640378	4.70778	4.30129	5.183289	5.03875	5.07736	5.823198	6.013056	6.132075	4.917376	4.743056	4.739314	5.811323	5.861261	5.607985
EIF4B	ENSG0000	-0.31425	9.204093	-5.58656	2.96E-05	0.000293	1.785197	9.767975	9.792012	9.738759	9.405809	9.375699	9.379985	9.345178	9.426168	9.349459	8.989276	8.96181	8.958922	9.005595	9.017998	8.999003	8.731106	8.724185	8.751567
BICRA	ENSG0000	-0.11514	3.330436	-1.19414	0.248378	0.362315	-6.0692	2.949211	3.298545	3.576275	3.647423	3.6964	3.620621	3.296733	3.250449	3.289427	3.463254	3.547323	3.608031	3.850304	3.752319	3.608189	3.43152	3.431768	3.202807
SPHK2	ENSG0000	-0.12972	4.520536	-0.982	0.3395	0.46048	-6.57428	4.762983	4.984658	4.950366	4.701197	4.607895	4.616245	4.7858	4.547856	4.795267	4.187508	4.122698	4.415294	4.902986	4.794321	4.785281	4.240529	4.195062	4.143528
RPL18	ENSG0000	-0.10955	9.094294	-3.23831	0.004698	0.01603	-3.31595	9.288915	9.255637	9.30744	9.026614	9.102925	8.962105	9.122803	9.097576	9.155779	9.126369	9.073257	9.099462	8.989653	9.013318	9.014076	8.992458	9.070103	9.048029
CA11	ENSG0000	0.101109	3.99404	0.549613	0.589539	0.694043	-6.8075	3.662849	3.439663	3.638424	4.342447	4.726954	4.668345	2.724622	2.801791	2.981126	4.026306	4.214605	4.116262	4.848959	4.994639	4.866948	4.616418	4.563921	4.525965
ISOC2	ENSG0000	0.024718	5.634447	0.451599	0.657111	0.752722	-7.21093	5.460225	5.569905	5.472309	5.704425	5.74826	5.637476	5.296262	5.447033	5.455304	5.606458	5.542561	5.770599	6.039124	5.968584	5.985004	5.844414	5.740928	5.671054
U2AF2	ENSG0000	0.1315	7.93185	3.786522	0.001412	0.006158	-2.06461	7.646674	7.622461	7.659472	7.550348	7.712864	7.54588	7.837389	7.812463	7.8403	8.205035	8.188962	8.240934	8.090928	8.029039	8.018625	8.328294	8.296469	8.258696
EPN1	ENSG0000	0.039188	7.36432	0.525027	0.606161	0.708481	-7.39248	6.675605	6.811142	6.903777	6.847279	7.138775	6.866915	6.805684	6.632777	6.743221	7.570213	7.772618	7.992075	8.104879	8.119925	8.057276	7.988457	7.99486	7.707074
MED29	ENSG0000	0.178712	6.637597	5.05938	8.91E-05	0.000694	0.832772	6.343004	6.282324	6.333137	6.686114	6.672424	6.577063	6.568102	6.476718	6.603683	6.722612	6.641871	6.61116	6.951796	6.956879	6.941855	6.759288	6.815783	6.803789
AHRR	ENSG0000	0.17776	2.871682	0.428052	0.673841	0.765138	-6.50111	3.128595	3.260998	3.06005	3.083078	2.948483	3.069023	2.806512	2.938616	3.143496	2.14259	2.193623	2.213454	4.813494	4.501207	4.569568	2.719047	2.518186	2.464474
ZNF275	ENSG0000	0.422184	4.909073	4.785101	0.00016	0.001097	0.550631	5.565217	5.533626	5.522611	5.684481	5.741991	5.951983	6.028748	6.092752	6.02321	4.161861	4.10258	4.194187	3.819988	3.846002	3.933868	4.481413	4.333674	4.394143
MTMR1	ENSG0000	0.21319	5.98203	4.834395	0.000144	0.001008	0.405144	5.611213	5.523092	5.661287	5.687824	5.620805	5.640377	5.940817	5.842522	5.897954	6.174355	6.260093	6.185519	6.345276	6.270837	6.367159	6.404287	6.293708	6.380373
GPC1	ENSG0000	0.449053	6.878975	1.163543	0.260248	0.375706	-6.71449	7.859072	7.962195	8.063177	7.483628	7.712063	7.411371	8.13288	8.004615	8.074156	4.637991	4.848932	5.000938	7.30501	7.18209	7.238273	5.886907	5.744615	5.610463
ADCK1	ENSG0000	0.249589	3.070648	1.872063	0.078029	0.147568	-4.96839	3.325391	3.7953	3.544167	3.999198	3.923901	3.858473	3.690999	3.749274	4.132351	2.444376	2.575707	2.369387	3.100071	3.032175	3.299771	2.554269	2.618024	2.570068
HAGH	ENSG0000	-0.2708	5.021529	-4.17545	0.000601	0.00311	-0.80751	6.016387	5.932317	5.929176	5.540275	5.821441	5.572123	5.665257	5.774066	5.751363	4.630531	4.532919	4.708717	4.279599	4.10073	4.12984	4.454386	4.227036	4.249053
RNF4	ENSG0000	-0.24266	7.53929	-5.29963	5.37E-05	0.000464	1.276535	8.10572	8.094381	8.059869	7.639375	7.618485	7.560506	7.669732	7.668214	7.770546	7.476576	7.386188	7.446835	7.172811	7.084554	7.104155	7.34919	7.341508	7.306021
CASP8	ENSG0000	0.094595	5.911377	2.419194	0.026715	0.063237	-4.71305	5.977894	6.004148	5.972044	5.915919	5.882565	5.778475	5.982519	6.175851	6.109268	5.949988	5.966507	5.913369	5.72145	5.690495	5.73358	5.979187	6.030859	6.065267
LIMCH1	ENSG0000	0.310797	8.22229	2.143397	0.046422	0.09781	-5.37792	9.2281	9.278718	9.273978	9.597756	9.635133	9.59807	9.814047	9.782674	9.75797	6.491976	6.732209	6.510425	7.533543	7.554369	7.536346	6.615079	6.616959	6.580647
INTS13	ENSG0000	-0.21367	5.718344	-3.47823	0.002781	0.010589	-2.52638	5.770583	5.675946	5.560557	5.1079	5.1432	5.2875	5.310366	5.268148	5.367637	6.180754	6.154125	6.194078	6.130482	6.021175	6.088153	6.008681	6.079832	6.104461
TM7SF3	ENSG0000	0.022564	7.207944	0.337316	0.739896	0.817014	-7.4356	7.233196	7.302656	7.25652	7.823901	7.74143	7.83704	7.233375	7.19725	7.185644	6.910671	6.917073	6.906804	7.068145	7.113773	7.178012	7.017822	6.995145	7.009252
DLX3	ENSG0000	-0.15051	0.128247	-1.11597	0.279542	0.396842	-6.18779	0.106501	0.106501	0.106501	0.106501	0.106501	0.3528	0.106501	0.253663	0.106501	4.109157	4.10258	4.205521	4.407437	4.509412	4.411058	4.137495	3.876817	3.716682
SPA17	ENSG0000	0.324759	3.523469	3.606746	0.002097	0.008392	-1.83235	2.798329	3.100202	2.883112	3.290819	3.151334	3.405543	3.33403	3.506713	3.421943	3.737768	3.890158	3.834184	4.393779	4.367677	4.562043	4.052512	3.948889	4.122853
CCN5	ENSG0000	-1.47405	3.202263	-7.09354	1.54E-06	3.02E-05	5.419928	6.516856	6.576571	6.622985	7.133786	7.311714	7.116522	5.077304	5.160337	5.22526	1.116489	1.335727	0.993481	1.99126	2.148862	2.23906	0.457048	0.433238	0.497646
ATP2C2	ENSG0000	-0.00521	0.907257	-0.03483	0.97261	0.982126	-7.08611	0.106501	0.215206	0.106501	0.106501	0.25478	0.563119	0.269385	0.106501	0.106501	5.621589	5.561109	5.645805	4.502766	4.525683	4.448272	5.544687	5.519992	5.713156
CDON	ENSG0000	-0.52927	-0.30678	-1.14846	0.266253	0.382586	-5.29976	3.65311	3.370829	3.586821	4.281793	4.204846	4.018682	2.957542	2.753138	3.00245	0.190076	0.106501	0.16959	0.106501	0.190544	0.106501	0.183756	0.358227	0.106501
TAF2	ENSG0000	0.44132	6.076373	6.434779	5.40E-06	7.88E-05	3.743681	5.367978	5.438728	5.267957	5.918767	5.899563	6.117296	6.059692	6.037958	6.041352	6.278265	6.279264	6.175948	6.467659	6.479431	6.441838	6.456784	6.540561	6.516048
HIPK2	ENSG0000	0.373616	7.712539	2.762074	0.013085	0.036075	-4.19597	7.664962	7.736857	7.797526	8.534176	8.573631	8.689458	8.324585	8.350592	8.302993	7.213101	7.3815	7.123949	7.056815	6.993898	7.104802	7.405709	7.346975	7.362227
TNPO3	ENSG0000	0.230274	6.982339	7.223687	1.21E-06	2.49E-05	5.202824	7.015784	6.997716	6.942271	7.137458	7.069115	7.170709	7.255413	7.24091	7.171593	6.788619	6.759769	6.783027	6.894152	6.848675	6.830385	7.041365	6.955933	6.992255
RFXANK	ENSG0000	0.188355	5.147004	2.851771	0.010815	0.03093	-3.70713	5.310279	5.303682	5.303557	5.388282	5.3593	5.280077	5.392213	5.450851	5.37991	4.748949	4.784095	4.876465	5.174616	5.22881	5.260115	5.177758	5.057388	4.926702
TMEM161A	ENSG0000	-0.22775	4.876924	-2.77635	0.012695	0.03524	-3.81112	5.722499	5.493717	5.618241	4.857809	4.950037	4.793524	5.383345	5.368459	5.404147	4.663802	4.706242	4.840568	4.534231	4.425185	4.385705	4.54135	4.625193	4.411295
LPAR2	ENSG0000	-0.1144	2.876679	-0.6047	0.553149	0.663453	-6.5891	2.9807	3.012542	3.270929	2.48816	1.666451	2.675323	2.26554	2.623806	2.274723	3.294134	3.381904	3.526028	3.840269	3.813238	3.837423	3.595997	3.595851	3.432977
CTSA	ENSG0000	-0.19168	8.4069	-3.73315	0.001588	0.006747	-2.17631	8.756882	8.74289	8.774847	9.32706	9.411691	9.316552	8.454098	8.324293	8.440685	7.80372	7.707924	7.798899	8.436438	8.446156	8.438942	7.781135	7.739446	7.707653
SUGP2	ENSG0000	-0.15008	6.178064	-3.9666	0.000951	0.004491	-1.47624	6.856229	6.827288	6.844589	6.532815	6.442385	6.574031	6.651719	6.682341	6.661798	5.823198	5.911195	5.824276	5.638468	5.499826	5.61313	5.682493	5.750126	5.780706
SLC12A2	ENSG0000	0.779803	7.051832	2.534034	0.021095	0.052491	-4.58204	6.341489	6.410744	6.438788	8.16109	8.023167	8.226925	8.284065	8.270751	8.316359	6.703185	6.870988	6.679134	6.543063	6.518574	6.483265	6.253425	6.304986	6.336153
SNX24	ENSG0000	0.325427	3.830508	4.57335	0.000253	0.001561	0.257828	4.073915	3.983805	3.96379	4.052041	4.213935	4.062605	4.101117	4.212157	4.235006	3.544892	3.431133	3.573456	3.928165	3.731427	3.904416	3.830273	4.011424	3.945834
CNN2	ENSG0000	0.061832	7.514475	0.894497	0.383209	0.504767	-7.14359	6.959605	6.884992	6.962658	6.862152	6.942245	6.855724	6.655407	6.609051	6.817288	8.122347	8.00205	8.099003	8.230245	8.166716	8.211036	8.318157	8.329673	8.395344
ABCA7	ENSG0000	0.073377	5.232865	0.400302	0.693785	0.780905	-7.03281	5.509634	5.460976	5.653783	7.040106	7.082823	6.937025	5.910274	5.78015	5.909288	4.337085	4.529155	4.497508	4.690417	4.645922	4.725907	4.203908	4.273707	3.87342
SNCAIP	ENSG0000	0.378143	-0.93892	1.584507	0.131004	0.220269	-5.08443	0.318509	0.106501	0.106501	0.106501	0.106501	0.3528	0.106501	0.106501	0.106501	1.964162	2.115463	1.585733	2.542344	2.596763	2.544166	2.154563	2.315011	2.302316
DDX20	ENSG0000	0.023304	5.016004	0.398915	0.694787	0.781478	-7.14973	5.030813	5.081176	5.05661	4.910272	4.641964	4.610338	5.198536	5.164994	5.082376	5.208286	5.231258	5.276432	4.86637	5.123169	4.99542	5.304237	5.193075	5.137206
BTBD1	ENSG0000	-0.09732	6.611442	-2.78084	0.012575	0.034974	-4.09076	6.448119	6.36133	6.34561	6.418735	6.366983	6.365418	6.257073	6.221272	6.233947	6.972464	6.927833	6.902168	6.875234	6.991704	6.976941	6.876634	6.918892	6.82421
BCAS1	ENSG0000	-1.37429	1.469471	-8.98387	5.78E-08	2.46E-06	8.641279	1.010037	0.661886	0.679585	0.742604	0.25478	0.746642	0.415731	0.106501	0.629397	4.685565	4.77459	4.791271	4.838914	4.941053	4.869998	3.588914	3.32748	3.509302
CHI3L2	ENSG0000	-0.04557	0.98594	-0.22627	0.823619	0.879436	-6.02308	2.798329	2.91921	3.090013	3.791129	3.747367	3.75519	3.004565	3.122225	2.748518	0.609835	0.695454	0.594297	0.745413	0.7293	0.593579	0.63264	0.358227	0.580851
SBNO2	ENSG0000	-0.20848	6.894073	-2.14747	0.046053	0.097233	-5.3166	7.528465	7.515582	7.714606	6.904436	7.047672	6.870626	7.265101	7.040099	7.229256	6.451268	6.566763	6.72054	6.625717	6.579268	6.541823	6.663925	6.581329	6.479923
PMS1	ENSG0000	-0.41852	4.496497	-6.72494	3.08E-06	5.15E-05	4.539308	4.693417	4.604738	4.600923	4.464421	4.343809	4.616245	4.235306	4.273815	4.364168	4.936085	4.939615	4.996595	4.427684	4.505315	4.569568	4.473742	4.572242	4.494122
HMG20B	ENSG0000	0.047752	6.693087	0.640333	0.530262	0.643206	-7.1642	7.725463	7.77842	7.830624	7.90729	8.032187	7.838935	7.821063	7.635873	7.77752	5.314527	5.344801	5.468994	5.914344	5.961126	5.863232	5.60737	5.641622	5.356727
TAF11	ENSG0000	-0.49948	5.242168	-8.75747	8.36E-08	3.22E-06	8.100552	5.403266	5.291319	5.344527	4.898777	4.795153	5.010886	4.629578	4.802174	4.849226	5.76817	5.698134	5.809496	5.601813	5.57015	5.594809	5.375946	5.23036	5.406045
ANKS1A	ENSG0000	0.229642	5.441444	5.419298	4.18E-05	0.000386	1.726933	4.484137	4.446492	4.641955	5.041505	5.171467	5.167927	4.792514	4.77806	4.764393	5.857155	5.941242	5.881925	6.470914	6.36879	6.518684	6.144111	6.054811	6.106218
AP3D1	ENSG0000	0.189288	7.590017	3.863438	0.001193	0.005388	-1.85324	7.479019	7.491467	7.498442	7.939902	7.957045	7.949511	7.787846	7.686143	7.752567	7.393066	7.372602	7.3813	7.573466	7.524824	7.446735	7.516249	7.51503	7.495525
ZNF76	ENSG0000	-0.07205	5.055024	-1.29552	0.211989	0.319577	-6.36989	5.2241	5.134056	5.274496	4.921675	5.14795	5.187896	5.238424	5.21525	5.278673	5.063439	5.069663	5.145251	5.083973	5.006281	4.961501	4.953468	4.894388	4.988957
SLC9A3R2	ENSG0000	0.099024	5.771485	1.443973	0.166433	0.265009	-6.37373	4.296689	4.184325	4.288462	4.400654	4.43213	4.434292	4.000319	4.070428	4.216877	7.247037	7.270358	7.49343	7.333905	7.29852	7.216269	7.5097	7.574232	7.419154
NTHL1	ENSG0000	-0.14658	4.805993	-1.90744	0.073034	0.139852	-5.48931	4.721647	4.474101	4.400306	4.122913	4.327153	4.162865	4.205428	3.988732	3.935772	5.489676	5.54629	5.506132	5.368624	5.379652	5.354615	5.503845	5.647541	5.406045
UHRF1BP1	ENSG0000	-0.24921	5.037024	-1.8731	0.077879	0.147307	-5.49259	5.757007	5.831327	5.776322	5.147291	5.257491	5.155812	5.683433	5.575011	5.455304	4.696324	4.836805	4.518865	4.888451	4.682664	4.95577	4.254026	4.432969	4.617485
GNAI3	ENSG0000	0.171049	6.674513	4.223982	0.000541	0.002864	-1.00729	6.079556	6.002253	6.005837	6.059623	6.130685	6.111035	6.172091	6.194191	6.126365	7.094069	7.109552	7.1309	7.439046	7.441519	7.412099	7.29853	7.326829	7.290655
IPO5	ENSG0000	-0.12981	7.635037	-3.73046	0.001598	0.006775	-2.16149	8.053462	8.115573	8.050852	7.442657	7.373854	7.441625	7.945268	7.966445	7.871057	7.786201	7.763837	7.77469	7.00217	6.944073	7.055411	7.650729	7.645959	7.686088
OAT	ENSG0000	-0.05646	7.528502	-0.70888	0.48775	0.605722	-7.29523	6.685193	6.649821	6.530413	6.985458	7.011642	7.013987	6.878492	6.890672	6.796075	8.459107	8.383103	8.374962	8.215764	8.145815	8.223314	8.162854	8.138024	8.131652
WDR3	ENSG0000	-0.02394	7.262664	-0.56536	0.579014	0.685527	-7.36858	6.551345	6.60182	6.54671	6.615894	6.592794	6.602578	6.721988	6.712874	6.653397	8.009686	8.000352	7.963988	7.906667	7.85727	7.995067	7.877296	7.81546	7.894585
PKN2	ENSG0000	-0.27913	5.81649	-7.16132	1.36E-06	2.74E-05	5.195601	6.016387	6.03228	5.974054	5.800209	5.760718	5.835287	5.69423	5.646681	5.680369	6.059601	5.985857	6.011339	5.685468	5.816527	5.80226	5.77121	5.811165	5.78729
WDR18	ENSG0000	-0.03406	5.447091	-0.44223	0.663744	0.758116	-7.18747	5.770583	5.848305	5.882858	5.277258	5.543607	5.30954	5.719113	5.567996	5.677057	5.230663	5.393221	5.473689	5.215949	5.198683	5.195925	5.619586	5.53284	5.207621
TRAM2	ENSG0000	0.033719	6.449077	0.573459	0.573639	0.681885	-7.25251	6.662315	6.642539	6.628099	6.645426	6.541374	6.711432	6.538451	6.41355	6.61584	6.195997	6.22097	6.124133	6.52046	6.407719	6.465224	6.390095	6.275986	6.391939
NTN1	ENSG0000	0.212886	3.452914	2.605804	0.018172	0.046559	-4.07523	1.681202	1.508929	2.018628	2.661411	2.660129	2.697781	1.648695	1.605065	1.445026	4.998272	5.035583	5.141322	5.935709	5.799899	5.921732	5.26478	5.353756	5.323893
GLP2R	ENSG0000	-0.22943	5.631502	-1.37095	0.187739	0.29014	-6.25243	6.996658	6.87156	6.892132	6.759444	6.623812	6.689188	6.984915	7.008061	7.055249	4.748949	4.719513	4.673781	4.766576	4.853528	4.772296	3.877544	3.842828	3.999746
MCM10	ENSG0000	-0.20689	4.577229	-1.03957	0.312709	0.432503	-6.6719	5.294704	5.161486	5.108765	4.020568	4.009905	4.027574	4.968851	4.944392	5.057123	5.766469	5.624209	5.698897	2.42639	2.729118	2.689384	5.498185	5.498321	5.420236
DGKA	ENSG0000	-0.27161	3.877138	-1.4392	0.167764	0.26671	-5.97203	4.252223	4.293732	3.854572	3.359513	3.31232	3.247073	2.933443	3.196885	3.104585	4.327889	4.296585	4.104202	4.745223	4.827513	4.869998	4.271827	4.343431	4.382594
ERBB3	ENSG0000	-0.06928	4.46721	-1.09477	0.288476	0.406608	-6.74428	2.296082	1.780637	2.221741	1.519216	2.03796	2.288255	2.144798	2.220554	2.127218	7.213725	7.365233	7.187725	7.407961	7.472801	7.406857	7.185682	7.19428	7.142752
ANKRD44	ENSG0000	0.634254	2.595708	1.999662	0.061327	0.121925	-4.52203	3.895419	3.812706	3.801232	5.608898	5.582723	5.724812	4.544628	4.497055	4.585199	1.555182	1.699433	1.061592	1.308151	1.393161	1.08859	1.354562	1.547811	1.222783
KARS1	ENSG0000	0.098088	8.050976	2.693522	0.015121	0.040354	-4.39586	7.599279	7.627387	7.60863	7.37479	7.422688	7.463907	7.722545	7.677207	7.645661	8.532242	8.470323	8.485825	8.491175	8.511694	8.541514	8.634443	8.600218	8.614817
ADAT1	ENSG0000	-0.23971	5.36534	-5.12254	7.80E-05	0.000624	1.097828	5.067938	4.933864	5.010354	4.740363	4.776871	4.803913	4.832157	4.825892	4.88411	6.007276	6.034453	6.093958	6.03363	5.936997	5.949395	5.736375	5.830372	5.765225
PDIA5	ENSG0000	-0.46809	4.32763	-3.17041	0.005445	0.018054	-2.89136	5.278958	5.231103	5.319453	4.342447	4.43213	4.233737	4.13321	4.184903	4.364168	4.261822	4.378346	4.310722	3.845296	3.793216	3.985412	4.386563	4.353122	4.422617
TBC1D22B	ENSG0000	-0.10154	4.389469	-1.13829	0.270362	0.386934	-6.45782	4.199669	4.281283	4.351665	4.009923	3.759832	4.027574	4.411387	4.019913	4.41276	4.742042	4.712893	4.859824	4.888451	4.850301	4.87608	4.697684	4.617172	4.577525
NDUFB4	ENSG0000	-0.02877	6.40577	-0.7783	0.446802	0.567488	-7.09561	6.838076	6.914513	6.773667	6.745073	6.760349	6.798429	6.783948	6.781193	6.82479	6.087114	5.987229	6.139972	5.96602	6.064975	5.979365	6.054394	6.059258	6.072473
SPEN	ENSG0000	-0.07022	7.1527	-1.41261	0.175329	0.275966	-6.52078	7.162874	7.138952	7.249899	6.672679	6.873648	6.88904	7.205974	7.121412	7.090526	7.457202	7.459204	7.266495	7.197096	7.063115	7.178627	7.265592	7.297014	7.348936
MYLK	ENSG0000	-0.2571	3.108863	-0.95068	0.354728	0.476056	-6.33827	1.959273	2.356396	2.018628	3.619685	3.820593	3.954853	1.762502	2.069791	1.620777	4.114515	4.152359	4.231625	4.046359	4.11155	4.114488	3.912008	3.980496	3.969186
ZC3H15	ENSG0000	-0.02855	7.279412	-0.62084	0.54272	0.654443	-7.31991	7.483835	7.552959	7.491443	7.091498	7.065354	7.141312	7.415127	7.459467	7.41664	7.285547	7.260745	7.246059	7.103185	7.171141	7.166272	7.226761	7.291355	7.334023
MAP2K4	ENSG0000	0.285089	5.929509	7.495545	7.36E-07	1.69E-05	5.823062	6.129578	6.117033	6.135406	6.220625	6.133083	6.217839	6.378072	6.515521	6.429644	5.57959	5.531317	5.498474	5.613644	5.631577	5.703115	5.789862	5.766537	5.789478
PACC1	ENSG0000	0.90905	4.075981	9.147915	4.44E-08	1.98E-06	8.889858	4.245758	4.418344	4.363979	4.63346	4.694855	4.651187	5.35187	5.484771	5.342774	3.17611	3.313538	3.117748	3.691919	3.544454	3.707028	3.806044	3.822043	3.753014
SLK	ENSG0000	0.025619	6.499663	0.318736	0.753704	0.827552	-7.35538	6.97825	6.916527	6.894257	7.192629	7.210911	7.237379	7.073036	7.041366	7.012534	6.115449	6.133205	6.02633	5.715972	5.876434	5.840085	5.984595	6.07105	5.993056
CYB5R4	ENSG0000	-0.07105	5.361676	-1.03213	0.316082	0.435853	-6.73046	5.722499	5.76358	5.676178	5.26388	5.270617	5.127141	5.712047	5.75257	5.745052	5.309864	5.316696	5.408164	5.144351	5.238714	5.076884	5.139487	5.219805	5.277879
COL17A1	ENSG0000	0.301306	1.750384	1.382351	0.184275	0.286219	-5.93986	1.681202	1.465573	1.921989	0.635873	0.512209	0.461789	0.415731	0.253663	0.629397	4.098381	4.092415	4.147939	3.646572	3.993677	3.760608	4.584723	4.73304	4.656368
GSTO2	ENSG0000	-0.27196	3.838642	-3.60316	0.002114	0.008428	-1.86729	4.405107	4.377991	4.382257	3.875646	3.734793	3.744443	3.953155	3.978187	3.879258	3.991785	3.936355	3.93295	3.617489	3.772912	3.78667	3.756329	3.923096	3.881648
SEC61A2	ENSG0000	-0.31297	2.732732	-2.41781	0.02679	0.063374	-4.01797	3.236881	3.260998	3.359697	3.103249	3.093416	3.200652	2.576877	3.063581	2.77354	3.002038	3.15652	2.920951	2.479079	2.433888	2.633039	2.878584	2.770449	3.079476
PRKCQ	ENSG0000	-0.30318	-1.55596	-1.33484	0.199057	0.303845	-5.03103	2.27083	2.49222	2.579475	2.181668	2.633282	1.993763	2.058296	2.108984	2.047395	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TLE2	ENSG0000	0.89936	1.568539	4.979813	0.000106	0.000791	1.446129	1.927307	1.508929	2.138168	3.77864	3.517104	3.510758	2.545421	2.540248	2.530983	0.934589	1.029669	0.846782	2.357702	2.326537	2.058312	1.571317	1.547811	1.058313
ASB1	ENSG0000	0.261516	5.945454	4.089151	0.000726	0.003609	-1.19859	6.088617	6.068955	6.113692	5.797117	5.905185	5.99342	6.325801	6.463548	6.519286	5.790099	5.724702	5.680063	5.78822	5.71376	5.751886	5.923967	5.797034	6.011919
FAM107B	ENSG0000	0.105999	6.9881	0.557238	0.584431	0.690277	-7.2883	7.414188	7.429355	7.423938	8.273835	8.085773	8.204555	7.836577	7.827227	7.762756	6.548489	6.47193	6.535341	5.784299	5.793194	5.787815	6.20676	6.319888	6.331655
ME1	ENSG0000	0.36818	6.791084	5.59243	2.92E-05	0.00029	1.975733	7.090752	7.104034	7.012401	7.376862	7.38194	7.399432	7.607315	7.682088	7.53569	6.234645	6.183153	6.268014	6.140739	6.102069	6.180736	6.485674	6.329738	6.386167
TBC1D1	ENSG0000	-0.03006	5.879341	-0.34172	0.736633	0.814333	-7.27977	5.784032	5.844079	5.914599	6.041444	6.023629	5.951983	5.661594	5.81612	5.767022	5.710958	5.608245	5.714848	6.448795	6.44027	6.436704	5.705599	5.775573	5.642288
CDK13	ENSG0000	0.461663	5.938366	11.16921	2.20E-09	1.97E-07	11.75805	5.86008	5.865087	5.86564	6.305774	6.285268	6.340657	6.332727	6.214549	6.381626	5.404758	5.538823	5.507659	5.824304	5.900029	5.884506	6.011333	5.950148	5.861964
MTHFD2	ENSG0000	-0.1812	8.321151	-1.88171	0.076638	0.145364	-5.89553	9.285176	9.272835	9.205915	8.002324	7.954336	7.992721	9.307586	9.341027	9.349719	8.323991	8.238778	8.300503	7.265716	7.277656	7.242398	7.809215	7.822017	7.884385
SLC9A7	ENSG0000	0.070645	4.939843	1.358124	0.191699	0.295111	-6.33968	4.428132	4.262405	4.16017	4.152252	4.318753	4.256608	4.393833	4.332946	4.490278	5.747627	5.778001	5.627664	5.513008	5.576021	5.563117	5.839946	5.641622	5.793844
FOXJ2	ENSG0000	0.146698	4.624224	1.870561	0.078247	0.147848	-5.47646	4.186225	4.268725	4.242513	4.502891	4.831037	4.57438	4.445869	4.238905	4.270596	4.920876	4.890593	4.95467	4.964332	4.866361	4.903135	5.039116	5.138081	5.091828
YBX1	ENSG0000	-0.08278	9.028961	-3.06305	0.006871	0.021628	-3.68332	9.37808	9.378335	9.39105	8.989504	8.921343	8.898999	9.350876	9.295566	9.295952	9.049432	8.980706	9.060332	8.555841	8.584614	8.639288	8.924275	8.940505	8.938912
PDE4A	ENSG0000	1.135843	1.553692	5.689746	2.39E-05	0.000247	2.81748	2.649532	2.37994	2.681399	3.359513	3.734793	3.678224	3.457463	3.736817	3.655245	0.934589	0.799097	0.921995	1.018891	0.986036	0.812339	1.320757	1.442809	1.322858
PPP2R5A	ENSG0000	0.247107	5.44179	2.227713	0.039301	0.085748	-4.91222	5.667929	5.639833	5.750758	6.727312	6.582305	6.630571	6.164346	6.065615	5.94827	4.667452	4.799799	4.745417	4.945733	4.965115	4.920894	4.739863	4.92395	4.753714
ELAVL1	ENSG0000	-0.00926	6.636964	-0.24247	0.81124	0.870329	-7.42752	6.825124	6.954266	6.884673	6.603556	6.606662	6.513603	6.820543	6.756723	6.830763	6.568148	6.566763	6.668935	6.380325	6.390053	6.381125	6.693945	6.628976	6.661715
DIP2B	ENSG0000	-0.28745	6.582282	-4.45926	0.000324	0.001906	-0.46502	6.956639	7.055514	7.089513	6.487492	6.442385	6.623257	6.660922	6.60563	6.435535	6.633985	6.729752	6.508139	6.297483	6.359742	6.381125	6.566325	6.462131	6.467678
SMARCD1	ENSG0000	0.841697	6.589587	15.40829	1.31E-11	4.44E-09	16.90475	6.001113	5.99083	6.025351	6.715895	6.698559	6.727893	7.012497	6.930873	6.949428	6.134034	6.090431	6.145868	6.958769	6.928095	7.035851	6.862752	6.843549	6.849598
KDM4A	ENSG0000	-0.02741	5.890691	-0.17022	0.866795	0.910253	-7.34501	6.216459	6.000355	6.110041	5.499001	5.543607	5.541409	6.008705	6.152593	6.028417	5.771565	5.698134	5.737147	6.295648	6.304233	6.374696	5.768078	5.735381	5.703906
NFYC	ENSG0000	-0.19398	5.851694	-3.37513	0.003485	0.012617	-2.74659	6.122537	6.137897	6.269099	5.72735	5.723018	5.532066	6.042896	5.907876	5.967373	5.927333	5.9054	6.035885	5.707717	5.796551	5.64909	5.792948	5.807645	5.742817
NGEF	ENSG0000	0.326113	3.049727	1.735199	0.100303	0.179249	-5.48283	3.026682	2.76681	2.900124	2.103714	1.864131	2.346268	1.70672	1.760835	1.727075	4.020609	3.930661	4.03812	4.264669	4.344933	4.265755	4.700972	4.584635	4.675424
ASPM	ENSG0000	0.413334	3.862475	1.748696	0.097884	0.175875	-5.48669	4.102823	4.12286	4.050156	4.052041	4.249727	4.308605	4.779054	4.883536	4.831463	4.222665	4.228596	4.16352	2.399306	2.565626	2.18129	4.353508	4.106163	4.087723
ELOVL1	ENSG0000	-0.14661	6.27526	-3.07642	0.006675	0.021174	-3.43021	6.727572	6.540462	6.581402	6.279424	6.234814	6.190386	6.424199	6.486052	6.383659	6.228481	6.271401	6.219458	6.096106	6.106132	6.134553	6.125874	6.139849	6.132312
POLR1H	ENSG0000	0.127882	4.476771	1.923074	0.070919	0.136536	-5.42124	4.088441	4.236845	4.019345	3.605613	3.410458	3.711713	4.293266	4.256466	4.279358	5.131086	5.040879	5.202938	4.936342	4.956139	4.989822	5.278052	5.198461	5.236778
ZBTB11	ENSG0000	0.041048	5.632457	0.861213	0.400782	0.522406	-6.93486	6.052028	5.910253	5.957896	5.587578	5.568621	5.694423	6.011586	6.082943	5.934468	5.514206	5.479606	5.539356	5.28231	5.280064	5.350253	5.520693	5.485161	5.678157
ATXN3	ENSG0000	0.081088	3.714962	0.996049	0.332817	0.453098	-6.51624	2.90065	3.085957	3.075109	3.162124	3.053471	2.980206	2.607661	2.938616	2.798137	4.386642	4.498689	4.488257	5.166607	5.065909	5.151487	4.595365	4.605057	4.689552
GOLGA5	ENSG0000	-0.15265	5.966252	-2.45459	0.024848	0.059721	-4.64618	5.834455	5.727328	5.70066	6.054453	5.905185	6.117296	5.374422	5.466025	5.269907	6.201043	6.136919	6.121144	6.489493	6.485682	6.480274	6.135629	6.16345	6.168068

FGFR2	ENSG0000	-0.66869	1.954954	-4.81978	0.000149	0.001033	0.995249	1.235614	1.670392	1.202741	1.519216	1.996426	1.840725	1.525136	1.549165	1.314712	3.488234	3.470912	3.543997	3.422776	3.329589	3.344321	2.692858	2.770449	2.706008
LRRC40	ENSG0000	-0.26839	4.347378	-3.72972	0.0016	0.006784	-1.72534	4.42241	4.778666	4.691656	4.152252	4.110665	3.97338	4.245129	4.389749	4.3476	4.623032	4.665681	4.660116	4.404034	4.372183	4.456413	4.54867	4.357943	4.353311
ISOC1	ENSG0000	-0.16445	5.651116	-4.35844	0.000403	0.002271	-0.59981	5.606174	5.687786	5.64119	5.031013	5.094821	5.171943	5.478019	5.578506	5.497217	6.114112	6.168712	6.209172	5.713225	5.653954	5.671993	5.998026	5.935709	6.011919
EML1	ENSG0000	0.396377	-0.25318	1.631537	0.120663	0.206886	-4.74172	4.051848	3.991467	4.042515	5.161789	5.484749	5.302231	4.420085	4.413424	4.388669	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TRMT11	ENSG0000	0.271063	4.046809	2.739991	0.01371	0.037387	-3.67591	4.467563	4.715296	4.636889	4.325376	4.149079	4.365821	4.926746	5.063901	5.07736	3.568508	3.668598	3.658388	3.569701	3.606961	3.629946	3.756329	3.728346	3.621636
THUMPD1	ENSG0000	-0.43354	6.227859	-5.88641	1.60E-05	0.000185	2.630361	7.088947	7.025039	6.977762	6.173706	6.191762	6.184435	6.332727	6.469207	6.327739	6.176918	6.185546	6.131084	5.821756	5.711984	5.808633	5.929585	5.967602	5.966227
MSANTD3	ENSG0000	0.099101	5.231164	1.309508	0.207316	0.313794	-6.32228	6.27001	6.203694	6.344057	5.746715	5.766907	5.677574	6.439253	6.288964	6.340354	4.408616	4.374156	4.488257	4.362569	4.354074	4.293286	4.537676	4.512957	4.59264
KIF26A	ENSG0000	0.756007	0.714992	1.836019	0.083426	0.155204	-4.4575	2.568952	2.71221	2.830836	4.714371	4.84865	4.604407	3.296733	3.002451	3.453254	0.34397	0.185134	0.288049	0.407676	0.26996	0.404558	0.576451	0.572487	0.659518
ATG2B	ENSG0000	0.111575	4.380666	1.11738	0.278957	0.396209	-6.42515	3.747663	3.804029	3.678418	4.626508	4.789085	4.829562	4.111894	4.316298	4.296723	4.607916	4.641483	4.472706	4.99179	4.971068	4.94134	4.442647	4.414575	4.477932
ARFGEF1	ENSG0000	0.005969	7.130953	0.091024	0.928509	0.953135	-7.51085	6.412482	6.480468	6.504227	6.944119	6.768082	6.758927	6.721988	6.748989	6.746384	7.64339	7.735947	7.584144	7.675409	7.711978	7.725902	7.438588	7.440852	7.516812
ZFAT	ENSG0000	0.283043	3.949217	3.124952	0.00601	0.019538	-2.95232	3.672523	3.812706	3.522358	3.647423	3.441741	3.666886	4.225415	3.89093	3.867685	4.212707	4.152359	4.12026	4.595172	4.349511	4.460466	4.515433	4.372311	4.292899
MTFR1	ENSG0000	-0.27212	5.830338	-6.13585	9.72E-06	0.000126	3.155655	5.948335	6.013586	5.992018	5.218368	5.185395	5.230878	5.650549	5.789227	5.636714	6.389627	6.298184	6.358792	5.761881	5.794873	5.855558	6.104924	6.063691	6.135756
STAG3	ENSG0000	-0.4715	1.150728	-3.57194	0.002264	0.008919	-2.06193	0.318509	0.499412	0.106501	0.258133	0.25478	0.2349	0.269385	0.509405	0.106501	5.728536	5.723056	5.603592	4.068019	4.067774	4.040604	5.146741	5.184958	5.2872
FECH	ENSG0000	0.141615	5.025235	1.590245	0.129704	0.21865	-5.93064	5.83014	5.916304	5.974054	5.137544	5.199191	5.265117	5.931722	6.043026	6.004837	4.346223	4.361514	4.530928	4.275881	4.298341	4.372859	4.574001	4.656838	4.641909
MYO9A	ENSG0000	-0.01995	5.228823	-0.26887	0.79118	0.854537	-7.1831	5.0569	5.127117	5.197454	5.525403	5.521816	5.822571	5.015513	4.976535	5.160337	5.018419	5.32757	4.86698	5.625379	5.655804	5.684176	5.115041	5.039493	5.102428
DDX3Y	ENSG0000	-0.25163	6.936769	-3.50294	0.002634	0.010125	-2.56248	7.998758	8.067898	8.001455	7.375826	7.207502	7.371766	7.802888	7.825022	7.772098	6.415903	6.36937	6.342628	6.101368	6.058	6.123092	6.087439	6.100116	6.093877
PFKP	ENSG0000	0.088245	7.681414	0.829269	0.418134	0.539887	-7.18061	8.646172	8.653347	8.661873	7.847261	7.936603	7.869549	8.417645	8.326373	8.39203	6.846917	6.954735	7.03886	6.865372	6.866351	6.798718	7.476023	7.415061	7.398517
IDI1	ENSG0000	0.393797	5.684221	2.285619	0.035009	0.078316	-4.87695	5.940349	5.827051	5.748412	6.574952	6.47299	6.566424	6.695365	6.627726	6.711201	5.267203	5.288033	5.40489	4.698772	4.843827	4.785281	5.240125	5.132464	5.073988
SP100	ENSG0000	0.133342	6.019582	2.248823	0.037683	0.082981	-5.07952	5.294704	5.191734	5.27123	5.408686	5.128856	5.223158	5.131269	5.122533	5.160337	6.779372	6.752525	6.833819	6.737395	6.854323	6.824893	6.981097	7.116043	7.020473
KLF6	ENSG0000	-0.32338	5.606587	-3.31186	0.004002	0.014108	-2.87043	5.409064	5.240779	5.325763	4.797189	4.933626	4.834637	4.956946	5.002785	4.837409	6.267483	6.179557	6.249882	6.529075	6.504276	6.537992	5.998026	5.997261	5.915037
PLPP1	ENSG0000	-0.0679	3.618096	-0.56162	0.581509	0.687527	-6.56466	4.059241	4.15733	4.02711	5.067404	5.138434	5.179942	3.632324	3.736817	4.08316	2.749986	2.590228	3.00983	3.611602	3.819851	3.754018	2.946659	3.022017	2.960231
NEO1	ENSG0000	0.012082	1.077904	0.033098	0.973972	0.982804	-5.98229	5.565217	5.512479	5.544416	5.938549	5.850871	5.968239	5.523124	5.633301	5.54523	0.269074	0.106501	0.230035	0.171976	0.416769	0.186984	0.106501	0.358227	0.106501
TRAM1	ENSG0000	0.226849	8.27291	1.752858	0.097148	0.174808	-6.09719	7.757062	7.78615	7.813889	8.189671	8.125448	8.132713	8.210765	8.122423	8.135762	8.120018	8.112116	8.11211	9.198249	9.250683	9.262373	8.200518	8.242416	8.230387
PHKA1	ENSG0000	-0.09771	6.174385	-1.18892	0.250375	0.364706	-6.66739	6.909354	6.937505	6.917419	6.292659	6.298145	6.267477	6.631265	6.666008	6.519286	5.800109	5.760453	5.724072	5.735053	5.674166	5.711642	5.865084	5.876461	5.940859
TNFRSF1A	ENSG0000	0.075919	7.543124	0.636841	0.532481	0.645191	-7.28781	7.942398	8.047828	7.994541	8.784617	8.840394	8.743416	8.349273	8.16837	8.27862	6.807763	6.834097	6.892266	6.75018	6.74912	6.68467	6.719303	6.677029	6.680701
CACNB1	ENSG0000	0.69878	2.301156	5.324217	5.10E-05	0.000448	2.02967	1.336422	1.277811	1.406977	2.518519	2.605925	2.374422	2.26554	1.658879	1.918715	2.943032	3.086546	2.745712	3.746669	3.503965	3.600863	3.538334	3.394711	3.455199
EVI5	ENSG0000	0.282702	4.315413	4.189931	0.000583	0.003035	-0.67957	4.302931	4.318312	4.215584	4.562385	4.485643	4.713128	4.6145	4.664259	4.770621	4.087524	4.274276	4.09204	4.441025	4.220515	4.320301	4.249541	4.38181	4.292899
STOML1	ENSG0000	-0.30396	3.408282	-4.24477	0.000517	0.00277	-0.38117	3.719942	3.695626	3.638424	3.456785	3.546181	3.472196	3.457463	3.3682	3.357206	3.695491	3.539861	3.680217	3.735884	3.731427	3.533199	3.272618	3.440885	3.432977
PKM	ENSG0000	0.094096	11.07855	1.146156	0.267181	0.383615	-7.09338	11.23862	11.26395	11.23607	11.31048	11.4232	11.30172	11.22382	11.17046	11.18132	10.94507	10.91461	10.86741	10.62539	10.66049	10.63143	11.11048	11.14953	11.17252
DHX29	ENSG0000	0.066854	6.037816	1.196686	0.24741	0.361273	-6.63344	6.426843	6.457138	6.448939	6.34865	6.310908	6.269353	6.526418	6.695276	6.608906	5.680576	5.610027	5.744936	5.722816	5.674166	5.643753	5.664076	5.597458	5.673426
DNTTIP2	ENSG0000	-0.45899	7.190909	-4.65944	0.00021	0.001347	-0.09207	7.78297	7.760593	7.775799	6.633339	6.677361	6.65373	7.066126	7.105754	7.11153	7.486941	7.372077	7.408935	7.072973	7.100256	7.115124	7.149429	7.116043	7.235549
METTL22	ENSG0000	-0.24163	4.09319	-2.38296	0.028762	0.066991	-4.39056	4.846543	4.893538	4.892035	4.092964	4.149079	4.308605	4.673889	4.62424	4.475104	3.944434	3.958911	3.784665	3.819988	3.799921	3.849837	3.848182	3.644015	3.669942
TP53BP1	ENSG0000	0.064206	6.808488	1.351377	0.193808	0.297651	-6.55081	6.481521	6.635221	6.538585	7.088971	7.038748	7.167696	6.659086	6.627726	6.468472	6.728739	6.792318	6.713942	7.120391	7.143072	7.09571	6.830834	6.810517	6.852741
RRP15	ENSG0000	0.140608	6.347288	2.45196	0.024982	0.059983	-4.69282	6.617945	6.644971	6.673332	6.448604	6.352653	6.470234	6.828732	6.85941	6.841156	6.05264	5.970675	6.132075	6.088708	6.062189	6.130742	6.146525	6.16345	6.102702
RHOA	ENSG0000	-0.09347	9.029248	-1.86702	0.078766	0.148649	-5.95764	9.46031	9.429649	9.406387	9.194667	9.239643	9.163106	9.20122	9.270397	9.220902	8.749701	8.707538	8.738676	8.814444	8.882429	8.864569	8.746506	8.741583	8.747071
DHX8	ENSG0000	0.24844	6.426496	4.29405	0.000464	0.00254	-0.81626	5.879004	5.801125	5.783216	6.320926	6.342329	6.427202	6.247331	6.35158	6.293548	6.625566	6.625221	6.61258	6.902616	6.838942	6.850601	6.71443	6.712283	6.667675
PMS2P4	ENSG0000	-0.21331	0.910168	-1.18788	0.250774	0.365169	-5.46149	1.959273	2.152784	1.78216	1.578054	1.864131	1.993763	1.867984	1.988058	1.674905	1.490718	1.029669	1.305813	1.473091	1.393161	1.320349	1.214313	0.975239	1.170016
PRKCZ	ENSG0000	0.13958	4.110128	2.022253	0.058729	0.117763	-5.14476	3.210562	3.057038	3.322321	3.863871	3.616407	3.982555	3.050103	3.122225	3.199964	4.660143	4.540416	4.796278	5.638468	5.564254	5.596651	4.9115	4.887736	4.780362
ZFY	ENSG0000	0.192651	4.514607	1.91013	0.072666	0.139242	-5.29658	5.288426	5.29442	5.363051	4.97738	4.782991	5.006395	5.743574	5.599299	5.62645	3.838337	4.01918	3.92383	3.730461	3.958151	3.700188	3.928936	3.743163	4.051715
IARS2	ENSG0000	-0.21596	8.214248	-5.8328	1.79E-05	0.000199	2.370248	9.068278	9.135858	9.06287	8.758224	8.762009	8.75417	8.832361	8.933626	8.840612	7.600599	7.703756	7.682054	7.453107	7.506496	7.505292	7.487018	7.409266	7.462309
SYT1	ENSG0000	-0.23778	5.325659	-3.36845	0.003536	0.012761	-2.74296	4.158957	4.372133	4.357835	4.392481	4.13	4.233737	4.411387	4.482206	4.542164	6.601919	6.589528	6.579568	6.348819	6.39449	6.457132	6.14773	6.210856	6.288989
NAV3	ENSG0000	-1.23901	0.956273	-3.82602	0.001295	0.005755	-0.84736	3.593253	3.976101	3.688245	2.791417	2.333126	2.429135	2.607661	2.108984	2.670735	0.54782	0.986408	0.76743	0.869014	1.032323	0.533283	0.738851	0.504542	0.580851
IDH3G	ENSG0000	0.128201	6.34225	1.859422	0.079886	0.150385	-5.73522	6.659885	6.700957	6.697862	6.789321	6.642445	6.618851	6.822184	6.779676	6.937022	5.927333	5.721408	5.874844	6.220272	6.128944	6.177046	5.979187	5.921123	5.904981
ROGDI	ENSG0000	0.186234	4.379898	2.743845	0.013599	0.03719	-3.80274	3.662849	3.812706	3.88052	4.263984	4.621619	4.379778	3.66196	3.749274	3.82044	4.581075	4.529155	4.53991	5.466467	5.372923	5.41643	4.934035	4.76606	4.740203
PDZD4	ENSG0000	-0.0209	-0.52937	-0.04361	0.965712	0.977517	-5.91925	3.223781	3.128277	3.359697	3.633621	4.139571	3.982555	3.115825	2.981485	3.236418	0.269074	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.315289
ROCK1	ENSG0000	0.105128	5.790477	2.056011	0.055032	0.111783	-5.33598	5.763811	5.827051	5.794633	6.062202	5.924691	6.096318	5.843949	5.913422	5.920533	5.577652	5.627733	5.454817	5.945103	5.970071	6.000398	5.582622	5.64557	5.762999
CBFB	ENSG0000	0.061445	6.726981	0.560807	0.582048	0.688033	-7.28797	7.064357	7.05734	7.044316	7.186734	7.205225	7.287287	7.266307	7.219804	7.260567	6.544525	6.552929	6.578842	5.870643	5.845981	5.926135	6.40731	6.486551	6.55
PDK3	ENSG0000	-0.11874	3.402215	-1.05782	0.30454	0.423581	-6.38178	2.744313	2.836538	2.681399	3.06262	2.881616	3.168853	2.858632	2.894433	2.959482	4.489195	4.547875	4.466439	3.757374	3.832986	3.886451	4.240529	4.298997	4.335451
HYAL2	ENSG0000	0.028656	5.623677	0.651275	0.52334	0.637143	-7.11975	5.023273	5.147837	5.045184	5.396478	5.221894	5.298562	5.238424	5.07384	5.07736	6.103374	5.963722	6.047478	6.388956	6.314805	6.30653	6.081143	6.082747	5.985442
HDAC4	ENSG0000	0.272586	4.656354	2.120037	0.048595	0.101441	-4.85786	5.784032	5.642269	5.651273	6.34865	6.564651	6.473492	5.982519	5.916187	5.914921	3.376719	3.269103	3.346558	3.374919	3.495729	3.344321	3.66498	3.554448	3.631427
RASSF1	ENSG0000	-0.17248	4.771477	-2.40901	0.027276	0.064224	-4.52357	5.142921	5.077581	5.11242	4.815644	4.966263	4.997371	4.889651	4.866483	4.831463	4.966032	4.719513	4.911491	4.521727	4.317159	4.448272	4.820694	4.683969	4.775955
FGFR3	ENSG0000	-0.54868	2.887198	-2.81475	0.011701	0.032963	-3.24065	3.572735	3.557914	3.522358	3.533117	3.225109	3.459109	2.779728	2.255906	2.501332	2.47802	2.969234	3.060643	3.526548	3.38415	3.253801	2.807136	2.552239	3.093712
IFI35	ENSG0000	-0.05134	5.73192	-0.43576	0.668348	0.761639	-7.2328	6.140075	6.017344	6.065492	5.932924	5.992279	5.847893	5.639419	5.58894	5.515873	5.554185	5.633002	5.638854	5.525587	5.410647	5.39964	5.980541	5.93732	5.861964
HEATR6	ENSG0000	-0.0923	5.132797	-1.54699	0.139781	0.231489	-6.07838	5.060589	4.976959	4.98267	4.740363	4.675247	4.946703	4.908318	4.657666	4.751857	5.550237	5.438064	5.44688	5.513008	5.60119	5.491637	5.52441	5.417494	5.481066
COASY	ENSG0000	-0.20635	7.005784	-5.05158	9.06E-05	0.000703	0.788739	7.24378	7.238902	7.259818	7.206682	7.241232	7.083857	7.005289	6.924021	6.957639	6.993699	6.872473	7.028261	6.955868	6.903402	6.900683	6.874451	6.821903	6.801623
PLEKHH3	ENSG0000	-0.19186	4.179599	-1.22395	0.237215	0.349143	-6.1222	5.1077	5.208268	5.231457	5.12773	5.539998	5.135391	4.908318	4.922558	4.929347	2.918737	3.166245	3.38694	4.076593	3.946112	4.029733	3.272618	3.127424	2.975687
MEF2A	ENSG0000	0.265645	4.90653	4.901742	0.000125	0.000898	0.720238	4.659767	4.783088	4.498524	4.815644	4.752128	4.869675	4.87074	4.928048	5.082376	5.035466	5.032928	4.876465	5.090337	5.104334	5.215244	5.194188	5.176796	5.220652
OTUD5	ENSG0000	0.092939	6.380049	1.122816	0.276703	0.394148	-6.77005	6.599047	6.559918	6.662156	6.466234	6.577031	6.504077	6.729006	6.620963	6.762098	5.955969	5.999521	6.075545	6.474974	6.453088	6.418067	6.141692	6.097236	6.070675
TFE3	ENSG0000	-0.11403	6.442066	-2.27766	0.035572	0.079218	-5.0086	7.169721	7.126826	7.167988	6.827712	7.070367	6.891478	7.094929	7.038831	6.988691	5.933409	5.864171	6.009185	5.955599	5.816527	5.858632	5.865084	5.816429	5.796022
TBC1D25	ENSG0000	0.601084	4.474601	5.654312	2.57E-05	0.000261	2.4066	3.85351	3.829904	3.764544	4.660937	4.621619	4.372816	4.914487	4.802174	4.801363	4.382206	4.344483	4.431472	4.982695	4.947106	5.020346	4.704254	4.769683	4.567359
ACSL4	ENSG0000	0.370965	7.281282	5.291968	5.46E-05	0.000471	1.299765	7.334929	7.304195	7.227328	7.971108	7.851807	8.020826	7.839012	7.929291	7.870332	6.575937	6.698259	6.608317	7.217591	7.206266	7.283589	6.752964	6.75403	6.800538
INPP5A	ENSG0000	0.087167	4.727756	1.136358	0.271148	0.387747	-6.46309	4.937612	5.022548	4.89628	4.982834	4.982309	5.046319	4.83866	5.013152	5.026224	4.359822	4.374156	4.466439	4.929259	4.704269	4.894173	4.654234	4.576385	4.4056
GPKOW	ENSG0000	-0.45053	5.09003	-5.4108	4.26E-05	0.000392	1.779841	5.598583	5.533626	5.600136	4.809518	4.733289	4.879531	5.009762	4.80814	4.934903	5.411303	5.191334	5.419564	5.07758	5.117812	5.071593	5.15875	4.987552	5.06679
GRIPAP1	ENSG0000	-0.2216	6.139787	-2.77181	0.012818	0.03549	-4.0391	6.474626	6.37311	6.453268	5.96359	6.11379	6.055601	6.242435	6.239047	6.09693	6.137986	6.120755	6.085804	6.305711	6.256285	6.206305	5.865084	5.950148	5.956523
FTSJ1	ENSG0000	-0.04672	6.613274	-0.60173	0.555079	0.665432	-7.28004	6.519538	6.480468	6.478973	6.05186	6.066908	6.079314	6.43282	6.267473	6.133632	6.91221	6.861292	6.926915	7.098456	7.006996	7.048696	6.934358	6.981932	7.038983
PRR11	ENSG0000	0.490811	4.066581	2.234939	0.03874	0.084758	-4.72423	4.516725	4.564207	4.520694	4.218476	4.249727	4.071231	5.310366	5.575011	5.346947	4.395472	4.431731	4.398932	2.178139	2.307842	2.141451	4.406844	4.242761	4.433851
ATP11A	ENSG0000	0.126978	6.272484	2.178698	0.043308	0.092659	-5.20931	6.068608	6.180419	6.257595	6.144804	6.130685	6.188405	6.506137	6.427182	6.483715	6.421317	6.473889	6.24897	6.237578	6.270837	6.138353	6.386015	6.321123	6.365783
POLR1A	ENSG0000	-0.18116	7.264157	-3.60771	0.002093	0.008377	-2.39282	7.458896	7.483339	7.503321	7.264921	7.337932	7.432448	7.244436	7.162742	7.173945	7.315515	7.365233	7.236882	7.148619	7.014222	7.122177	7.235292	7.165694	7.264152
LAPTM4A	ENSG0000	0.141009	7.635097	1.82574	0.085025	0.157326	-5.92123	7.50497	7.52749	7.522674	8.333217	8.30947	8.337429	7.782797	7.870635	7.8299	7.31784	7.347178	7.330873	7.53937	7.571613	7.52768	7.299073	7.288832	7.329519
TTC7A	ENSG0000	-0.2664	5.887094	-3.6795	0.001787	0.007393	-2.10577	5.528401	5.557053	5.631035	5.412733	5.431202	5.438487	5.026946	4.938965	5.131593	6.423477	6.317949	6.472617	6.801509	6.733445	6.704457	6.2921	6.312456	6.302841
IP6K2	ENSG0000	-0.17663	5.930119	-2.42782	0.026248	0.062375	-4.67622	6.090422	5.946183	5.994	6.092789	6.137866	5.99342	5.879071	5.954347	5.926124	5.785068	5.952525	5.819366	6.240442	6.235415	6.287262	5.57368	5.665153	5.610463
SRBD1	ENSG0000	-0.18678	4.304189	-3.7864	0.001413	0.006158	-1.63015	4.12413	4.230384	4.080323	3.944346	3.656958	3.765857	4.011872	3.967564	4.011347	4.864753	4.936777	4.992239	4.679202	4.689902	4.67449	4.77149	4.706825	4.749225
KIF2A	ENSG0000	0.109712	5.667696	1.698603	0.107124	0.188692	-5.92115	5.539016	5.680694	5.774017	5.842822	5.684306	5.832753	5.83422	5.899518	5.88653	5.719774	5.674479	5.735845	5.414998	5.404061	5.439201	5.72834	5.748292	5.706224
PSME4	ENSG0000	-0.03709	6.964298	-0.56928	0.576412	0.683804	-7.31443	6.799969	6.851701	6.793151	7.05183	7.072867	7.200503	7.021098	7.08379	6.937022	7.034547	7.071892	6.921197	7.128144	7.139772	7.159432	6.767153	6.70284	6.835902
IFT80	ENSG0000	0.243823	2.851161	3.305892	0.004054	0.014243	-2.27157	2.526909	2.655462	2.469799	3.21869	3.329147	3.152687	2.806512	2.728183	2.846105	2.955028	3.055486	3.001185	3.46257	3.470735	3.637126	3.181381	3.204393	3.189613
SIRT2	ENSG0000	0.09688	5.235437	1.254931	0.226025	0.336322	-6.39732	5.788487	5.83346	5.750758	5.924447	5.924691	5.688828	6.045709	6.017505	5.934468	4.724629	4.517806	4.649089	4.964332	4.743056	4.72927	4.530299	4.660745	4.582581
ERLEC1	ENSG0000	0.14595	7.397388	2.174985	0.043626	0.093215	-5.30194	7.429958	7.477894	7.365421	8.110916	8.021874	8.050576	7.68244	7.805769	7.75571	6.995878	7.007758	7.056179	7.184757	7.241787	7.171845	6.953098	6.995918	7.01019
PPP2R5B	ENSG0000	0.859545	4.219114	5.527685	3.34E-05	0.000325	2.220605	3.17016	2.91921	3.24453	5.209091	4.905853	5.072334	4.205428	3.935218	3.968647	3.914031	4.092415	3.955502	4.978126	4.901075	4.95577	4.77149	4.773297	4.562249
PITX1	ENSG0000	0.562246	4.92815	3.829026	0.001286	0.005728	-1.61175	4.707601	4.864623	4.813395	5.020445	5.326156	5.106307	5.08826	4.938965	4.860948	4.472601	4.669105	4.98129	4.761267	4.753456	4.6463	5.694092	5.572787	5.317842
MAST4	ENSG0000	0.39434	3.663763	4.271813	0.000487	0.002637	-0.35723	3.487617	3.182839	3.384088	4.072648	4.091068	4.10523	3.988671	3.935218	3.808383	3.463254	3.780465	3.400153	3.932895	4.005327	4.098971	3.651445	3.896833	3.744016
ADGRF5	ENSG0000	-0.32467	-0.28456	-2.06	0.054609	0.111113	-4.63973	0.216396	0.106501	0.323815	0.106501	0.106501	0.2349	0.269385	0.106501	0.106501	3.496465	3.478738	3.501717	2.614772	2.729118	2.416453	3.190769	3.138674	3.291935
NUP133	ENSG0000	-0.34346	6.113047	-8.01701	2.92E-07	8.07E-06	6.742074	6.641532	6.617999	6.622985	6.127673	6.147385	6.210048	6.190001	6.173542	6.174129	6.084386	6.177154	6.103077	5.871875	5.865289	5.768329	5.865084	5.893164	5.892821
NUCKS1	ENSG0000	0.161856	8.232503	1.166664	0.259018	0.374196	-6.88746	8.367442	8.378112	8.358782	8.950719	8.881614	8.886223	8.492233	8.634484	8.463449	7.976601	7.973255	7.948894	7.44692	7.578941	7.572375	8.089154	8.092466	8.18706
VPS35	ENSG0000	-0.16101	7.42002	-4.5486	0.000267	0.001623	-0.34471	7.474188	7.507589	7.441476	7.387182	7.457541	7.469628	7.287852	7.304545	7.236023	7.579929	7.527759	7.525814	7.382255	7.494146	7.391018	7.411743	7.409266	7.429012
DNAJA2	ENSG0000	-0.22763	7.254469	-4.87654	0.000132	0.00094	0.380278	7.432096	7.481979	7.485114	7.085173	7.070367	7.041684	7.059182	7.159246	7.158592	7.413858	7.337527	7.408526	7.269461	7.257095	7.314148	7.257798	7.278698	7.245944
BCL3	ENSG0000	-0.58316	5.480455	-7.33787	9.80E-07	2.12E-05	5.605822	5.928287	6.050734	6.059826	6.009737	6.149755	5.781107	5.486326	5.201716	5.420081	5.283944	5.276856	5.549768	5.542705	5.449543	5.467673	4.980783	4.968764	4.661156
KCNAB2	ENSG0000	0.368332	5.191873	3.956634	0.000972	0.004577	-1.16059	6.680407	6.642539	6.657161	7.213657	7.283933	7.12897	7.232141	7.078863	7.104152	3.411958	3.204502	3.48321	3.904282	3.806595	3.856005	3.307556	3.347011	3.466183
ABCC9	ENSG0000	0.776843	1.383861	1.796947	0.089646	0.163633	-4.53159	5.814934	5.91429	5.941555	7.783845	7.481258	7.839566	6.668242	6.647826	6.655081	0.190076	0.106501	0.16959	0.106501	0.106501	0.186984	0.183756	0.19538	0.214669
GAL	ENSG0000	-0.22419	0.218924	-0.74967	0.463424	0.583448	-5.70584	5.638616	5.765816	5.790077	4.815644	4.813207	4.622128	5.405414	5.626565	5.435842	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
CLEC2D	ENSG0000	-0.07409	-0.02011	-0.33468	0.741847	0.818382	-6.17193	0.587539	0.661886	0.512639	0.395333	0.25478	0.746642	0.269385	0.253663	0.629397	1.787595	1.922393	1.653508	2.24051	2.084417	2.465679	1.833493	1.851139	1.910335
FUNDC1	ENSG0000	-0.15853	4.606553	-2.80282	0.012001	0.033662	-3.71673	4.837972	4.696667	4.813395	4.605448	4.668652	4.598452	4.673889	4.80814	4.837409	4.803043	4.669105	4.771071	4.589193	4.608219	4.554478	4.46216	4.49993	4.504815
RORA	ENSG0000	1.363959	1.364823	3.386346	0.0034	0.01239	-1.71452	3.313074	3.494617	3.533304	5.213737	4.971631	5.167927	4.832157	4.883536	4.860948	0.54782	0.462741	0.594297	0.407676	0.550009	0.186984	0.63264	0.358227	0.497646
TGFBR3	ENSG0000	-0.62229	1.459815	-3.34398	0.003731	0.01332	-1.87949	3.903656	3.838426	4.057757	2.633943	2.549605	2.557474	3.137083	3.160038	3.271973	1.199504	1.07167	1.305813	0.828978	0.7293	0.404558	1.214313	1.118494	1.222783
NA	ENSG0000	-0.68252	0.957987	-3.71842	0.001641	0.00691	-1.11479	1.561356	1.708084	1.453818	1.688986	1.2379	1.714252	0.782422	1.15884	0.833554	1.704765	1.8028	1.951531	2.129525	2.416542	2.121111	1.419885	1.442809	1.81044
HES2	ENSG0000	0.779503	-0.1885	1.407077	0.176939	0.277823	-5.05063	1.602421	1.277811	1.706811	0.934951	0.92021	0.657796	0.782422	0.824004	0.833554	0.415169	0.330605	0.34382	1.186687	1.16289	1.209118	1.099384	1.707432	1.322858
ATP1B3	ENSG0000	1.447246	7.173048	4.420286	0.000352	0.002037	-0.50725	7.175685	7.310335	7.276201	9.526489	9.362222	9.448009	9.38737	9.301129	9.349459	5.735507	5.696457	5.74623	5.329703	5.38635	5.301375	6.02583	6.023291	6.045263
NEDD4	ENSG0000	-0.4553	5.928021	-2.67177	0.015828	0.041858	-4.11895	7.792982	7.663209	7.761906	6.727312	6.679002	6.69757	7.033905	7.061485	6.870446	4.692747	4.655361	4.737631	4.943391	4.888549	4.894173	4.667743	4.79123	4.749225
PIGB	ENSG0000	0.397226	4.155063	5.178667	6.92E-05	0.000567	1.517603	4.232739	4.395423	4.131643	4.927344	4.84865	4.969954	4.666597	4.715948	4.633836	3.688323	3.626949	3.663876	4.011012	3.976023	3.892464	4.005409	3.863317	4.080593
MAPK6	ENSG0000	0.895896	7.14581	6.256267	7.66E-06	0.000105	3.319377	6.740277	6.679772	6.727949	8.217696	8.116994	8.202102	7.87978	7.907921	7.858687	6.418071	6.451198	6.394718	6.69904	6.79431	6.706165	7.015183	6.997464	7.025123
GNB5	ENSG0000	0.46022	5.808756	6.684912	3.33E-06	5.43E-05	4.35638	6.214805	6.26346	6.198653	7.142341	7.237894	7.16669	6.742939	6.778157	6.768335	4.623032	4.692848	4.72456	5.250459	5.231292	5.097852	4.988878	5.027439	4.988957
RAB27A	ENSG0000	0.258448	4.543294	1.404743	0.177621	0.278691	-6.23447	2.589523	2.90305	2.661582	4.181007	4.091068	4.088331	3.676552	3.833587	3.783962	5.874627	5.978976	5.802049	5.43514	5.336493	5.422676	5.882568	5.909676	5.932963
HDHD5	ENSG0000	-0.20428	5.471324	-2.03724	0.05706	0.115099	-5.34814	5.983734	5.959918	6.056036	5.117849	5.166794	5.102104	5.444307	5.404348	5.459165	5.556156	5.452044	5.555685	5.361625	5.301484	5.337086	5.682493	5.568634	5.582975
UFD1	ENSG0000	0.156088	5.985375	2.502133	0.022533	0.055295	-4.54256	6.150496	5.965765	6.027288	6.331652	6.364945	6.372415	6.273964	6.223506	6.271759	5.79678	5.627733	5.900641	5.779056	5.697694	5.746917	5.88835	5.87478	5.870258
LRP6	ENSG0000	0.37712	5.589684	3.477666	0.002784	0.010599	-2.47989	5.089762	5.113136	5.11242	5.7563	5.557954	5.835287	5.937792	5.874148	5.99689	5.643993	5.682972	5.539356	5.625379	5.759194	5.753539	5.633422	5.59133	5.673426
PHRF1	ENSG0000	-0.05505	6.025541	-0.90021	0.380243	0.5023	-6.97183	6.086809	6.047062	6.244333	5.869565	5.916364	5.765245	6.148732	5.771015	6.119063	6.095267	6.082749	6.27789	5.969477	6.062189	5.970866	6.154943	6.209523	6.079643
ELP1	ENSG0000	-0.14038	6.58136	-3.47178	0.00282	0.010723	-2.63124	6.854105	6.821926	6.767886	6.534673	6.3361	6.465334	6.746401	6.793275	6.719273	6.762407	6.794671	6.762071	6.202755	6.234178	6.257287	6.556373	6.557426	6.580647
NUCB2	ENSG0000	0.688449	4.741902	5.217705	6.38E-05	0.00053	1.617303	6.006859	6.02856	6.044605	6.72243	6.555743	6.838142	6.753301	6.762879	6.760534	3.134522	2.900983	3.164958	2.930712	3.272884	2.76998	3.574643	3.449945	3.455199
PFN2	ENSG0000	0.376828	7.255017	6.569598	4.15E-06	6.49E-05	3.9129	6.948699	6.994859	7.045272	7.514081	7.422688	7.429096	7.406399	7.401454	7.412664	7.128241	7.105135	7.089188	7.158244	7.18913	7.182313	7.474102	7.396435	7.46915
PTPN3	ENSG0000	0.014607	5.452733	0.360624	0.722702	0.803617	-7.24929	5.008072	5.099019	5.022058	5.067404	5.099733	5.25	4.96291	5.048863	4.978598	5.89345	5.887875	5.892483	5.963711	5.923245	5.876944	5.958727	5.929244	5.91904
SPTB	ENSG0000	-0.85311	1.95882	-5.06521	8.80E-05	0.000687	1.225483	1.286899	1.420874	1.585853	0.258133	0.389229	0.830331	0.106501	0.387194	0.256032	5.69674	5.701482	5.527363	4.96664	4.919664	4.732626	4.936827	5.033479	4.882289
DAPP1	ENSG0000	0.451174	0.708162	2.979533	0.008226	0.024876	-3.25776	0.814199	0.106501	0.219246	0.106501	0.106501	0.3528	0.106501	0.106501	0.106501	4.626786	4.699561	4.721931	4.604095	4.649638	4.617548	5.15875	5.238226	5.21089
SLC44A1	ENSG0000	0.248661	8.274609	1.556327	0.137552	0.228899	-6.36272	8.735409	8.768203	8.705773	9.61827	9.505815	9.550085	9.300832	9.341798	9.286748	7.584762	7.57187	7.516743	7.107898	7.108382	7.088526	7.39965	7.416217	7.442979
TMEM260	ENSG0000	0.147401	3.3815	1.505869	0.14996	0.244604	-5.6435	3.114469	3.405656	3.371944	3.840029	4.030628	4.233737	3.66196	3.415864	3.323715	3.394446	3.086546	3.077191	3.794228	3.976023	3.805912	3.227721	3.215061	3.421736
SMG6	ENSG0000	-0.28829	5.181754	-4.06756	0.000762	0.003754	-1.09055	5.797357	5.790183	5.688471	5.809447	5.723018	5.596232	5.223595	5.348128	5.274297	4.896201	4.839847	4.92298	5.03202	4.797675	4.888167	4.799373	4.805418	4.797858
EXOC5	ENSG0000	0.017111	6.510212	0.298171	0.769088	0.837919	-7.40774	6.018285	6.030421	6.033084	6.301416	6.198646	6.111035	6.15656	6.391864	6.236199	6.923701	6.96661	6.906804	6.927119	6.959876	6.936772	6.80814	6.743936	6.835902
CLTCL1	ENSG0000	-0.17143	0.69303	-0.81029	0.428667	0.550229	-5.7224	2.245129	2.125186	1.921989	2.48816	2.460774	2.098749	2.144798	2.220554	2.047395	0.982259	0.941811	0.639567	1.054048	1.077171	1.17005	0.576451	0.69947	0.580851
FSTL3	ENSG0000	0.049437	5.991217	0.253297	0.802994	0.863825	-7.19119	7.59801	7.614419	7.653214	7.222904	7.420726	7.231619	7.518981	7.495962	7.577141	4.109157	4.171799	4.15575	5.166607	5.068687	5.176344	4.574001	4.641102	4.129778
DGCR2	ENSG0000	0.404326	6.683303	9.231041	3.89E-08	1.82E-06	8.74703	5.434871	5.452673	5.557879	6.213684	6.276619	6.186421	5.967764	5.810187	5.959217	7.067381	7.076412	7.132881	8.055314	8.00784	7.983846	7.520908	7.484493	7.421977
RNF126	ENSG0000	-0.11999	5.729266	-1.11809	0.27866	0.396104	-6.703	6.214805	6.277631	6.421217	5.367584	5.644527	5.441817	6.179794	6.001973	6.111723	5.458414	5.608245	5.898315	5.413307	5.343394	5.40806	5.847385	5.694037	5.311765
MNT	ENSG0000	0.135885	4.92577	1.583217	0.131298	0.220606	-5.90157	4.888652	4.95753	4.813395	5.687824	5.647884	5.617001	5.36994	5.192623	5.363523	4.517783	4.609763	4.626781	5.045184	4.997558	4.929692	4.507942	4.40994	4.38838
ZXDC	ENSG0000	-0.31531	4.556285	-3.68802	0.001754	0.007292	-1.85188	4.969353	4.778666	4.76778	4.392481	4.360275	4.315882	4.487843	4.050434	4.467457	4.678347	4.948095	4.811193	4.771865	4.756906	4.649854	4.640597	4.699246	4.597643
JMJD6	ENSG0000	0.163709	6.405484	1.854161	0.08067	0.151431	-5.79559	6.150496	6.056225	5.986055	6.236693	6.133083	6.239048	6.269158	6.288964	6.218085	6.796974	6.720706	6.863935	6.275309	6.342624	6.267734	6.987844	6.870791	6.917196
POLB	ENSG0000	-0.1883	4.342864	-3.09933	0.006353	0.02036	-3.10897	3.928091	3.944869	3.792147	4.009923	3.99943	3.776446	3.440463	3.711575	3.614278	5.052315	5.014203	5.076957	5.053895	5.320261	5.108223	4.868275	4.940116	4.938581
ST6GALNA	ENSG0000	-0.44504	2.144076	-5.07846	8.56E-05	0.000672	1.313111	0.587539	0.8079	1.146821	0.841981	1.373859	1.055701	0.670238	0.915275	0.735084	4.772865	4.796672	4.649089	4.92689	4.804359	4.950015	4.203908	4.391248	4.261717
WIPI1	ENSG0000	2.352971	3.585006	10.99249	2.82E-09	2.36E-07	11.47502	1.826927	1.226787	1.706811	5.176143	5.003429	5.135391	4.339849	4.540708	4.339245	2.527059	2.646894	2.581432	4.861416	4.888549	4.938437	4.113016	4.123255	4.044405
GBA2	ENSG0000	-0.05952	5.967871	-1.09536	0.288226	0.406353	-6.7712	5.493352	5.393175	5.431935	5.92161	5.876854	5.842864	5.570773	5.575011	5.392079	6.43637	6.401631	6.331464	6.518888	6.480475	6.469252	6.242181	6.232019	6.254557
NDST1	ENSG0000	0.334519	6.974539	3.26139	0.004467	0.015377	-3.11979	6.48427	6.446027	6.368711	6.554953	6.642445	6.629111	6.698944	6.688823	6.658443	6.892073	6.954735	6.994356	7.921021	7.852038	7.947126	7.375155	7.326829	7.331022
ASNS	ENSG0000	0.040767	7.176209	0.777128	0.447474	0.568105	-7.21137	7.939897	7.920156	7.861895	6.565896	6.422921	6.656599	8.09536	8.123619	8.08856	7.412771	7.30873	7.408526	5.927438	5.983386	5.876944	7.26892	7.232848	7.291427
AP3M2	ENSG0000	-0.21466	4.540115	-2.43203	0.026023	0.06195	-4.5088	4.179456	4.17089	4.394314	3.944346	4.061165	4.096805	3.788265	3.978187	3.69508	5.41565	5.43203	5.489229	4.821167	4.820936	4.698713	5.306398	5.326959	5.335919

ST6GALNA	ENSG0000	-0.74775	2.48379	-3.09196	0.006455	0.020603	-2.691	2.649532	2.039077	2.109199	2.325974	2.57804	1.840725	1.588238	0.726566	1.0941	3.420635	3.423044	3.312021	5.027605	5.098907	5.034009	2.990321	2.841019	2.912845
PABPC1	ENSG0000	-0.05881	10.39305	-1.36429	0.189787	0.292769	-6.80558	10.22383	10.19473	10.19774	9.839942	9.839617	9.86021	9.972299	10.02814	10.03047	10.82055	10.76329	10.74176	10.67811	10.69501	10.71428	10.80844	10.81512	10.87199
TESK2	ENSG0000	-0.95207	0.272044	-4.51727	0.000285	0.00172	0.525613	1.069823	0.8079	0.898566	0.395333	0.92021	0.984419	0.415731	0.622068	0.515351	2.01088	1.827525	1.915176	2.145912	2.21055	2.220059	1.286141	1.118494	1.58715
CFAP20	ENSG0000	-0.05077	5.722724	-1.01064	0.325976	0.445969	-6.80484	6.141817	6.002253	6.160332	5.863665	5.896744	5.832753	5.976635	6.032872	6.104345	5.638424	5.583055	5.739748	5.27674	5.265605	5.168932	5.66576	5.58723	5.588012
CSNK2A2	ENSG0000	0.147894	7.136544	1.911125	0.07253	0.139038	-5.7413	7.73126	7.804753	7.7804	7.310095	7.296822	7.382203	7.922493	7.95976	7.94313	6.544525	6.527689	6.593295	6.635904	6.582188	6.60452	6.683176	6.641881	6.719087
PTPN21	ENSG0000	0.274816	4.06029	1.894388	0.074843	0.142626	-5.21508	4.192962	4.412648	4.201929	4.342447	4.58706	4.454215	4.544628	4.482206	4.776822	3.496465	3.447177	3.513924	4.444342	4.274468	4.508238	3.737235	3.698248	3.611778
EIF2B3	ENSG0000	-0.09451	4.901643	-1.99298	0.062114	0.123164	-5.33684	5.038315	5.063109	5.033667	4.525489	4.648682	4.580436	4.832157	4.905964	4.849226	5.238045	5.221963	5.252955	4.665059	4.80769	4.860827	5.269218	5.211838	5.119922
TCOF1	ENSG0000	-0.43836	7.282058	-5.69942	2.35E-05	0.000244	2.109544	7.502938	7.439895	7.464533	6.234408	6.489925	6.337085	6.827098	6.762879	6.714435	8.248936	8.130241	8.250084	7.015051	6.965105	6.964865	7.966421	8.002962	7.94992
CDC42	ENSG0000	-0.02857	8.103404	-0.7364	0.471259	0.590962	-7.30407	7.942898	7.956333	7.919349	7.939902	7.864848	7.87387	7.943007	7.95976	8.011774	8.289174	8.283025	8.27473	8.307621	8.390327	8.394086	8.190317	8.205445	8.212967
OSBPL3	ENSG0000	-0.4926	5.645491	-2.38033	0.028916	0.06724	-4.78323	6.439646	6.412172	6.432954	4.448742	4.607895	4.434292	5.049544	5.155666	5.112107	6.083021	6.157786	6.030584	5.777742	5.839488	5.745256	6.13927	6.111581	6.237028
RAD18	ENSG0000	-0.07386	4.549684	-1.16608	0.259248	0.374452	-6.49352	4.776503	4.864623	4.647003	3.562554	4.061165	3.936085	4.583863	4.796183	4.505294	5.138995	5.06707	5.121514	4.183649	4.298341	4.297823	5.072509	4.99066	5.174518
ATP2B1	ENSG0000	0.534024	7.207841	2.363773	0.029904	0.068975	-4.89825	7.51643	7.605708	7.50749	8.859534	8.722752	8.902628	8.499945	8.502272	8.504196	6.335594	6.370422	6.296559	5.789524	5.858882	5.854018	6.295367	6.281071	6.27968
NCK2	ENSG0000	0.053838	2.199447	0.266308	0.793118	0.856054	-6.19609	4.543331	4.687262	4.74442	5.227586	5.239802	5.089421	4.56045	4.62424	4.770621	0.415169	0.748206	0.807652	1.498836	1.120667	0.957066	0.884806	0.816175	0.805046
MAP4K4	ENSG0000	0.099495	7.329385	3.042259	0.007187	0.022325	-3.61342	7.341766	7.284837	7.363889	7.218288	7.243452	7.221967	7.519993	7.432684	7.43734	7.36861	7.332138	7.376294	7.18178	7.191044	7.294415	7.405206	7.389977	7.492171
MGAT4A	ENSG0000	-0.19209	3.232452	-1.81026	0.087482	0.160775	-5.23795	3.210562	3.142112	3.162305	3.376187	3.457132	3.335661	2.667326	2.728183	2.560038	3.60703	3.842432	3.691009	3.719554	3.666873	3.72061	3.698273	3.72088	3.698167
RPL31	ENSG0000	0.006834	9.057603	0.151722	0.881144	0.920908	-7.62396	9.364156	9.318671	9.295234	9.251408	9.237695	9.180402	9.329393	9.294238	9.36883	8.860074	8.836277	8.680807	8.818762	8.898137	8.949573	8.752066	8.787201	8.865104
WDR1	ENSG0000	-0.05132	9.161306	-1.34292	0.196479	0.300876	-6.74637	9.111592	9.083044	9.075094	9.019003	9.134679	9.063944	8.99401	8.952603	9.024156	9.236433	9.147549	9.265354	9.421946	9.411459	9.382459	9.256885	9.174567	9.19578
SNX13	ENSG0000	0.073074	5.881578	1.10252	0.285186	0.40288	-6.69483	6.397977	6.305561	6.242667	6.468179	6.434631	6.516764	6.512251	6.579706	6.561203	5.384942	5.353339	5.351474	5.469725	5.489494	5.507395	5.139487	5.203826	5.437082
ARHGAP1(	ENSG0000	-0.34169	4.491635	-3.82296	0.001304	0.005785	-1.50623	5.121892	5.218099	5.137743	4.815644	4.500575	4.506036	4.772276	4.814082	4.807433	4.425958	4.269773	4.494431	4.352013	4.220515	4.232958	3.928936	4.25315	4.18401
RPS6KA2	ENSG0000	0.8662	2.679474	9.556157	2.34E-08	1.25E-06	9.50819	1.519087	1.118985	1.202741	1.256461	1.666451	1.575618	1.160105	1.15884	1.171446	4.172174	4.36574	4.171248	5.212064	5.260752	5.271695	5.14915	5.176796	5.140638
ING3	ENSG0000	-0.02483	4.093614	-0.21631	0.831251	0.884734	-6.98879	4.363907	4.366251	4.275483	4.020568	3.630051	3.926609	4.6445	4.59693	4.647437	4.276236	4.162112	4.293123	3.884887	4.084346	4.078019	3.842237	4.083055	4.066226
VASH1	ENSG0000	0.25914	3.704106	2.477321	0.023714	0.057639	-4.13451	3.27548	3.298545	3.359697	3.863871	4.1009	3.765857	3.617275	3.913244	3.771595	3.637124	3.562131	3.759253	4.568067	4.340341	4.56581	3.711377	3.85652	3.753014
LMCD1	ENSG0000	-0.3484	3.072467	-2.21012	0.040698	0.088256	-4.65445	2.884092	2.76681	2.700947	2.143217	2.366112	2.098749	1.648695	1.549165	1.50602	4.35077	4.112675	4.375708	4.996315	4.814328	4.739314	4.222335	4.145732	4.157149
BUD23	ENSG0000	-0.34485	6.953189	-4.21691	0.000549	0.002903	-1.02301	7.944895	7.957801	7.983609	6.951091	6.997238	6.971994	7.357428	7.388571	7.392614	6.661699	6.588624	6.746637	6.249949	6.293583	6.179507	6.608965	6.590575	6.525268
SEL1L	ENSG0000	0.524548	7.033703	8.333954	1.70E-07	5.44E-06	7.221704	6.473243	6.45852	6.471878	7.407602	7.303223	7.535787	7.035321	7.032474	7.037282	6.823389	6.826451	6.668252	7.330325	7.3336	7.330296	7.227331	7.214358	7.307548
TRIP13	ENSG0000	-0.14492	6.033345	-3.03642	0.007278	0.022524	-3.47544	7.215107	7.149264	7.164472	5.875441	6.089305	6.094204	6.953805	7.066472	7.026913	5.863533	5.823267	5.89715	4.571104	4.573423	4.519937	5.717014	5.800579	5.694596
ATP6AP1	ENSG0000	0.410412	7.91811	5.82236	1.83E-05	0.000202	2.378201	7.996834	8.034445	8.02975	9.052456	9.072019	9.052826	8.58023	8.54889	8.569054	7.068761	7.002339	7.066576	7.574979	7.543922	7.553999	7.333383	7.336021	7.233943
TCF3	ENSG0000	0.056907	6.387898	0.717039	0.482823	0.601491	-7.15432	6.467698	6.51809	6.538585	6.474	6.69694	6.45713	6.460489	6.194191	6.297866	6.116785	6.140623	6.307119	6.466844	6.390053	6.417024	6.538102	6.541621	6.27968
TRIB2	ENSG0000	0.124949	4.097402	0.711009	0.48646	0.604699	-6.84245	2.416107	2.674627	2.720234	3.933121	4.009905	4.036412	3.405851	3.477062	2.723053	5.22076	5.212608	5.223525	5.109264	5.02357	5.014844	5.212738	5.217154	5.133766
DAZAP1	ENSG0000	0.080684	6.341432	1.683286	0.110095	0.192664	-6.06264	6.279537	6.296311	6.298269	5.895822	5.893919	5.727543	6.200136	6.357695	6.21352	6.635849	6.592236	6.767179	6.297483	6.314805	6.226676	6.886777	6.839246	6.759829
MBD3	ENSG0000	0.160135	5.635244	2.488136	0.023192	0.056621	-4.49206	6.090422	6.054397	6.089793	6.178467	6.348532	6.137973	6.384753	6.189628	6.359073	5.038288	5.064472	5.28714	5.109264	5.082502	4.99542	5.273642	5.26414	5.063177
HLTF	ENSG0000	-0.05922	5.827529	-0.6562	0.520244	0.634676	-7.15197	5.670345	5.685425	5.710337	5.704425	5.4273	5.503669	5.817858	6.050595	5.92891	6.334446	6.343889	6.346046	5.544252	5.518239	5.631222	6.03498	6.047368	6.074269
FAM50A	ENSG0000	0.193423	6.633222	3.091616	0.00646	0.02061	-3.41606	6.840224	6.793718	6.885741	7.300299	7.373854	7.278932	7.045194	6.924021	7.00463	6.097974	6.094257	6.161471	6.297483	6.251401	6.283835	6.386015	6.273436	6.387612
FAM3A	ENSG0000	0.136422	5.433766	2.184762	0.042793	0.091805	-5.02202	5.812748	5.678322	5.830573	5.930104	6.089305	5.958972	5.866398	5.845426	5.897954	4.769473	4.80914	5.007428	5.217888	5.310903	5.33267	5.175396	5.018332	4.902646
CPSF1	ENSG0000	-0.0469	6.591107	-0.88038	0.3906	0.512229	-7.0716	5.777323	5.902145	6.138993	5.884211	5.989635	5.914123	6.040078	5.774066	5.94827	7.23171	7.279907	7.242854	7.44692	7.398542	7.40423	7.209546	7.192932	7.172398
MYO3B	ENSG0000	-0.24938	-0.66015	-2.34111	0.031308	0.071652	-4.08212	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.246125	3.076267	2.93917	3.526548	3.436722	3.563664	2.831347	2.799093	2.687355
CYBRD1	ENSG0000	1.156606	4.730272	3.717799	0.001643	0.006915	-1.58886	5.557407	5.449895	5.41428	6.733796	6.690443	6.62179	6.587536	6.733398	6.681763	1.91588	2.249583	2.460504	4.890883	4.729072	4.938437	3.103995	3.171908	3.228839
CDH19	ENSG0000	0.247668	0.90501	0.90368	0.378452	0.50056	-5.59679	6.191444	6.175382	5.947704	7.067315	7.090245	7.018455	6.259498	6.397811	6.331956	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.183756	0.106501	0.106501
PDCD2	ENSG0000	-0.29081	6.475015	-3.50527	0.00262	0.01009	-2.5552	6.689964	6.599315	6.515311	5.884211	5.921921	5.923682	6.172091	6.147896	6.159965	6.838038	6.837905	6.806788	6.79503	6.759477	6.817801	6.631545	6.677029	6.680701
SLC6A15	ENSG0000	-0.13035	0.313776	-0.51716	0.611525	0.713101	-5.85403	6.214805	6.274494	6.122779	4.727426	4.795153	4.829562	5.961819	6.203275	6.015365	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RDH11	ENSG0000	0.230598	6.198928	3.50162	0.002641	0.010152	-2.52244	5.792929	5.877545	5.741349	6.268301	6.173243	6.210048	6.25221	6.225736	6.19974	6.374075	6.325563	6.342628	6.314799	6.264792	6.308779	6.416342	6.376817	6.48263
PRKACA	ENSG0000	0.099727	5.59827	1.418405	0.173657	0.273909	-6.30206	5.379837	5.466485	5.517107	5.944151	5.941203	5.867836	5.63569	5.663233	5.612649	5.593087	5.485444	5.659606	5.634118	5.566222	5.534564	5.586184	5.578995	5.654343
ADGRL1	ENSG0000	0.567141	5.405731	4.80681	0.000153	0.001058	0.437197	4.842264	4.511888	4.76778	5.55133	5.674464	5.602196	5.365443	5.298133	5.392079	5.510146	5.471785	5.478369	5.618056	5.538426	5.418515	5.987291	5.998805	5.927013
ACTN1	ENSG0000	0.108549	8.122935	0.739799	0.469243	0.5889	-7.29984	8.466342	8.407406	8.441366	7.971794	8.12605	8.00965	7.920962	7.889046	7.938298	7.801645	7.767036	7.847638	8.148482	8.040408	8.07721	8.498125	8.513212	8.445811
ZFYVE26	ENSG0000	-0.2315	4.803712	-2.33731	0.03155	0.072071	-4.69984	3.84498	3.99909	4.050156	4.863733	4.65537	4.537503	3.80164	4.166444	4.355908	5.59692	5.634754	5.473689	5.710474	5.595421	5.703115	5.228777	5.104049	5.19777
RPS6KA6	ENSG0000	-0.08612	2.658068	-0.75474	0.460457	0.581047	-6.30139	2.996191	3.100202	3.029452	2.97776	3.170134	2.998412	2.696258	2.801791	2.588518	2.693825	2.85362	2.447834	3.066031	3.054776	3.021143	2.77004	2.680939	2.880366
EPN2	ENSG0000	0.046445	5.754379	0.675165	0.508405	0.623953	-7.12667	5.628712	5.612764	5.469462	5.408686	5.438974	5.535187	5.35187	5.281075	5.355259	6.041432	6.030465	6.101056	5.995707	6.012542	5.970866	6.34456	6.256754	6.249797
PTPN18	ENSG0000	-0.01505	5.543418	-0.33675	0.740312	0.817069	-7.24584	5.552176	5.438728	5.420189	5.49519	5.514478	5.550692	5.396627	5.488491	5.404147	5.589243	5.584869	5.594999	5.83445	5.858882	5.835411	5.522553	5.649508	5.622786
SPEG	ENSG0000	0.54984	0.932147	2.117606	0.048826	0.101784	-4.11124	1.430644	1.708084	1.585853	2.103714	2.429905	2.196611	2.186178	1.491012	1.674905	0.7264	0.799097	0.884879	2.129525	2.190279	2.014873	1.320757	1.406038	0.872651
LNX1	ENSG0000	-0.15174	-0.65291	-0.71571	0.483622	0.602081	-6.134	0.106501	0.316291	0.106501	0.395333	0.106501	0.106501	0.106501	0.106501	0.106501	2.510897	2.632935	2.34226	3.27416	3.263212	3.147195	2.35157	2.552239	2.200755
ALDH3A2	ENSG0000	-0.10449	7.301807	-0.90686	0.376815	0.4993	-7.05447	8.099907	8.104132	8.083799	8.41467	8.524253	8.462373	7.887641	7.942913	7.80963	6.484753	6.609268	6.560569	6.327426	6.284049	6.297494	6.635848	6.500789	6.604455
TFRC	ENSG0000	0.083826	8.957641	1.156478	0.263049	0.378942	-6.97134	8.84159	8.805357	8.813805	8.541124	8.463632	8.4968	9.183768	9.176663	9.152206	9.431767	9.40831	9.391248	8.5779	8.617959	8.622654	9.294653	9.184948	9.28862
SREBF1	ENSG0000	-0.01011	7.442751	-0.08346	0.934434	0.957423	-7.49794	7.938895	7.976261	8.075867	8.383567	8.503556	8.390523	8.108872	7.910003	8.066583	6.833171	6.955437	6.948998	6.536863	6.488798	6.469252	6.895416	6.879199	6.783075
AFF4	ENSG0000	0.098996	7.406765	1.740783	0.099296	0.177806	-6.05052	7.216761	7.153539	7.19495	7.684422	7.563551	7.655349	7.414039	7.549475	7.411668	7.352829	7.482258	7.283083	7.527693	7.517724	7.52623	7.294726	7.324983	7.327261
UBE2D1	ENSG0000	-0.30495	4.827776	-3.04075	0.00721	0.022378	-3.27405	5.177303	5.181722	5.041355	4.619522	4.537243	4.756563	4.974767	5.028565	4.801363	5.068969	4.81224	5.009585	4.980412	5.049122	4.96721	4.577584	4.687803	4.567359
MPP5	ENSG0000	-0.14829	5.969232	-0.79746	0.435887	0.557101	-7.05171	5.903856	5.82919	5.837213	5.307999	5.383668	5.425089	5.774426	5.868449	5.791729	6.139301	6.018435	6.138002	6.934213	6.894032	6.909605	5.935182	5.879817	5.921037
RHOBTB1	ENSG0000	-0.3059	4.069973	-3.05007	0.007066	0.02204	-2.88233	5.546927	5.722732	5.587063	5.993618	5.941203	6.21978	5.257962	5.335791	5.346947	2.722179	2.674414	2.497858	3.205461	3.223865	3.344321	2.417026	2.233409	2.528753
SMC1A	ENSG0000	0.070423	7.702654	0.589567	0.563026	0.673258	-7.37795	7.775695	7.871675	7.795254	7.600878	7.569759	7.701226	8.18101	8.23853	8.15255	8.059844	7.987382	7.965933	6.821413	6.888538	6.833513	7.781523	7.758258	7.80008
HSD17B10	ENSG0000	-0.05645	6.888342	-1.45142	0.164376	0.262466	-6.43011	7.164589	7.119852	7.104269	6.9343	7.070367	7.028456	7.113817	7.073919	7.101684	6.829918	6.72153	6.924059	6.617661	6.604381	6.565537	6.775756	6.745776	6.722526
MARK2	ENSG0000	0.243773	6.892888	2.044672	0.05625	0.113802	-5.51572	6.02962	6.065329	6.069258	6.823158	6.787998	6.762926	6.922008	6.670928	6.844112	7.313187	7.325101	7.338185	7.287114	7.28305	7.237683	7.224477	7.178015	7.146171
HMMR	ENSG0000	0.716064	3.813362	2.581524	0.019115	0.048529	-4.01527	4.2778	4.006672	4.019345	4.3081	3.988879	4.113606	4.986526	5.146277	5.026224	4.192583	4.162112	4.112253	1.818016	2.127698	1.580823	4.519164	4.414575	4.499478
CHFR	ENSG0000	0.236826	5.259312	3.416649	0.003182	0.011738	-2.55892	4.484137	4.624584	4.515184	5.400559	5.554381	5.35617	4.99237	4.955186	4.831463	5.316853	5.444072	5.496937	5.865704	5.91709	5.969444	5.647126	5.502682	5.521118
P4HA2	ENSG0000	0.214369	6.674538	3.19581	0.005153	0.017281	-3.22428	6.565692	6.642539	6.610118	6.9343	6.844685	6.850722	6.599072	6.711283	6.799125	6.549478	6.513474	6.57156	6.616192	6.523646	6.516739	6.903289	6.792823	6.860046
NFATC3	ENSG0000	0.396611	5.165686	4.030285	0.000827	0.004019	-1.17952	5.253402	5.17164	5.244837	5.667647	5.624218	5.870309	5.843949	5.868449	5.779429	4.769473	4.854958	4.857431	4.595172	4.697103	4.739314	5.09768	4.927198	4.894538
TRNT1	ENSG0000	-0.02901	5.211229	-0.41351	0.684266	0.774146	-7.13635	5.803973	5.852519	5.803703	5.350809	5.305047	5.37022	5.601686	5.789227	5.591697	4.809665	4.875852	4.943432	4.851459	4.847068	4.814076	5.059757	4.971913	4.902646
ACADVL	ENSG0000	0.039091	7.7012	1.175888	0.255409	0.370183	-6.80577	8.588258	8.528551	8.673051	8.784227	8.816353	8.775442	8.635426	8.637419	8.640928	6.691581	6.623457	6.652465	6.915218	6.869541	6.880405	6.688156	6.755857	6.62543
STK10	ENSG0000	-0.12253	5.429014	-1.09319	0.28915	0.407396	-6.70747	5.403266	5.285098	5.319453	4.740363	4.871804	4.951383	4.83866	4.677356	4.713579	5.861941	5.718106	5.789551	6.199815	6.097994	6.106375	5.884016	5.962863	5.958469
FBXW11	ENSG0000	-0.16953	6.945628	-4.30497	0.000453	0.002492	-0.84732	6.863637	6.888074	6.854442	6.767367	6.601477	6.62179	6.744671	6.880799	6.76989	7.296785	7.329435	7.277277	7.054104	7.078362	7.050042	7.034212	7.06167	7.06631
ACAP1	ENSG0000	-0.61202	0.267304	-2.33623	0.031618	0.072204	-3.7003	2.137484	1.780637	1.921989	1.104644	0.828511	1.367251	1.160105	1.231675	1.445026	1.028404	0.799097	1.188864	0.869014	1.077171	0.862212	0.686723	0.975239	1.170016
EVC	ENSG0000	-0.17351	0.076913	-0.51327	0.614192	0.715504	-5.83656	4.559062	4.543506	4.657046	5.097883	5.034541	5.215396	4.681143	4.256466	4.322386	0.106501	0.185134	0.16959	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
DERL2	ENSG0000	0.202658	5.653662	3.170829	0.00544	0.018041	-3.13838	5.544295	5.620197	5.547119	5.913065	5.888253	6.004722	5.80795	5.927193	5.914921	5.518254	5.54629	5.602163	5.509846	5.501884	5.489655	5.677494	5.578995	5.706224
SIDT1	ENSG0000	0.036818	0.792712	0.287671	0.776982	0.843551	-6.4426	0.742531	1.002471	0.598525	0.635873	0.389229	0.746642	0.548589	0.824004	0.515351	2.736149	2.561038	2.756026	2.591031	2.743101	2.689384	2.843302	2.665466	2.830235
NDE1	ENSG0000	0.185568	4.671969	1.487617	0.154671	0.250407	-6.0123	5.019487	4.872944	4.974661	5.268353	5.33034	5.151751	5.203583	5.183472	5.165072	4.521821	4.390842	4.512795	3.865227	4.10615	3.849837	4.533992	4.672404	4.567359
TMEM38A	ENSG0000	0.38706	1.204575	2.628829	0.017319	0.044874	-3.38311	0.814199	0.940485	0.756332	1.840866	1.498102	1.669505	0.983587	0.915275	1.445026	2.121457	2.285719	2.120715	2.791825	2.700737	2.675503	2.448672	2.392244	2.397196
AP1M1	ENSG0000	0.16377	5.814368	3.116521	0.00612	0.019826	-3.26817	5.876913	5.916304	5.955863	6.100335	6.161547	6.068583	5.982519	5.865591	5.9889	5.44146	5.397356	5.563047	5.925066	5.845981	5.814979	5.805224	5.735381	5.692259
PVR	ENSG0000	0.444287	6.417432	4.482301	0.000308	0.001833	-0.40394	6.239421	6.090521	6.104547	6.462335	6.623812	6.50726	6.566144	6.61587	6.575503	6.449149	6.361984	6.415201	6.107656	6.123609	6.06837	6.862018	6.84784	6.810269
XRCC1	ENSG0000	-0.37714	4.72757	-5.68788	2.40E-05	0.000248	2.405735	4.925527	4.691972	4.954444	4.299384	4.551652	4.233737	4.629578	4.413424	4.556652	5.250266	5.145366	5.249309	4.96664	4.907298	4.848508	4.838721	4.920695	4.726565
SCARB1	ENSG0000	0.38066	6.230023	2.811492	0.011783	0.03314	-3.71669	8.284315	8.294247	8.339813	8.916217	9.023414	8.926001	8.590862	8.575368	8.566372	3.544892	3.735447	3.769472	3.88976	3.793216	3.780199	4.492842	4.338561	4.242679
MCM2	ENSG0000	-0.36719	6.495186	-2.16367	0.04461	0.094803	-5.29724	6.857289	6.750343	6.760919	5.724097	5.779205	5.840343	6.087259	6.157275	6.076967	7.575564	7.45871	7.570329	5.551958	5.361637	5.522983	7.440557	7.391741	7.346709
PANX2	ENSG0000	2.82422	1.183225	13.4118	1.24E-10	2.36E-08	12.30419	1.642349	1.744817	1.62731	4.020568	4.462952	4.241401	4.185161	3.935218	4.141991	0.190076	0.330605	0.397516	1.27873	1.2438	0.957066	1.214313	1.118494	0.93723
SELENOO	ENSG0000	-0.15659	4.416824	-1.37682	0.185949	0.288222	-6.121	4.683882	4.682536	4.808898	4.245952	4.681813	4.279122	4.358069	4.341199	4.542164	4.161861	4.411431	4.428251	4.726277	4.722029	4.712374	4.267397	4.348284	4.341429
TP63	ENSG0000	0.040706	0.484628	0.296489	0.770351	0.838782	-6.93555	0.216396	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.256032	5.004057	5.082559	4.857431	3.825085	3.826433	3.727354	5.036515	4.975054	4.96205
ALPK1	ENSG0000	-0.24317	3.280943	-1.61693	0.123797	0.21104	-5.49327	3.530804	3.59862	3.309643	3.142765	3.517104	3.432575	3.158032	3.318907	3.340558	3.340597	3.478738	3.195594	3.965575	3.890658	4.139984	2.957699	3.204393	3.215882
LLGL2	ENSG0000	-0.1923	5.627075	-2.02683	0.058215	0.11698	-5.43156	4.798758	4.756352	4.691656	4.40878	4.600983	4.407292	4.143751	4.040332	3.990155	6.743512	6.720706	6.818523	7.283878	7.254046	7.166272	6.811947	6.793713	6.618062
PDE8A	ENSG0000	0.651892	5.131317	13.32983	1.36E-10	2.46E-08	14.59314	5.008072	5.055819	4.929803	5.521661	5.423388	5.464914	5.69064	5.517911	5.633301	4.553726	4.68948	4.623968	5.066862	4.974036	5.183718	5.317154	5.240838	5.246367
CLCN4	ENSG0000	0.551351	2.920587	4.698095	0.000193	0.001268	0.742979	3.465529	3.209365	3.029452	3.921807	3.945887	3.807755	4.19533	3.736817	3.60036	2.224158	2.388995	2.272125	2.872818	2.770668	2.918805	2.639009	2.601856	2.629903
NLE1	ENSG0000	-0.10403	5.762487	-1.75848	0.096163	0.173439	-5.81443	6.399434	6.317804	6.435874	5.980046	6.123468	6.072885	6.197609	6.080481	6.188155	5.389369	5.361828	5.356567	5.416688	5.343394	5.374084	5.357309	5.465192	5.377239
SDHA	ENSG0000	-0.16758	6.993904	-2.66693	0.01599	0.042183	-4.33401	7.593561	7.587496	7.557941	7.135011	7.252302	7.236421	7.379894	7.380586	7.431456	6.71028	6.581374	6.687915	6.734689	6.633764	6.670742	6.550004	6.456523	6.529201
SMARCE1	ENSG0000	0.103371	5.607464	1.446604	0.165704	0.264026	-6.24013	5.883176	6.011704	5.976061	5.999011	5.882565	6.038106	6.059692	6.187341	6.101877	5.133727	5.150274	5.101431	5.448413	5.508039	5.503472	5.19652	5.126826	5.194471
GSDMB	ENSG0000	-0.60121	1.684234	-4.44378	0.000335	0.001956	0.227294	0.882475	1.173893	1.146821	1.326771	1.307481	1.714252	0.670238	1.231675	1.244857	3.17611	3.330936	3.125724	3.946991	4.051009	3.985412	2.539649	2.634012	2.59029
KDM5A	ENSG0000	0.097237	6.27502	1.042238	0.311504	0.431213	-6.85222	6.231262	6.242742	6.155027	6.206709	6.175571	6.326315	6.419869	6.489769	6.48561	6.055429	6.242964	6.129102	6.579714	6.624351	6.587016	6.07988	6.09001	6.176453
ADAM11	ENSG0000	0.844886	0.459411	3.183024	0.005298	0.017668	-2.11089	1.384302	1.670392	1.406977	1.978268	1.666451	1.367251	2.26554	2.220554	2.408535	0.609835	0.640699	1.061592	1.088368	0.784432	0.910419	0.930351	1.2488	0.659518
PPP2R3A	ENSG0000	-0.30495	3.572563	-3.05116	0.00705	0.022	-3.09431	3.085796	2.693541	2.492412	3.142765	3.112982	3.247073	2.545421	2.481727	2.440135	4.799721	4.818421	4.835713	4.574134	4.660731	4.496442	4.519164	4.576385	4.461559
FERMT2	ENSG0000	-0.06527	6.098091	-0.81877	0.423944	0.54564	-7.05929	5.643543	5.575013	5.600136	5.605366	5.565074	5.735705	5.736627	5.727605	5.693539	6.501209	6.513474	6.517263	6.941272	6.848675	6.925087	6.313743	6.311214	6.421867
DHRS9	ENSG0000	-1.96703	0.657257	-11.2423	1.99E-09	1.88E-07	11.68796	1.755904	1.780637	1.54317	0.395333	0.106501	0.3528	0.548589	0.253663	0.39151	4.455814	4.471494	4.494431	1.018891	1.203912	1.209118	2.807136	2.854728	2.880366
PTGS2	ENSG0000	0.353461	5.664075	6.362162	6.22E-06	8.87E-05	3.698443	5.585841	5.602793	5.405371	6.50655	6.289573	6.384578	5.888503	5.935393	6.031013	5.006941	5.113047	5.109498	5.864467	5.884342	5.829155	5.237862	5.453977	5.374327
IGF2BP2	ENSG0000	1.090775	4.871367	10.72827	4.09E-09	3.18E-07	11.16334	3.183753	3.472886	3.443319	3.740513	3.560502	3.572823	3.988671	4.070428	4.00079	5.293423	5.423946	5.454817	6.785256	6.708718	6.658445	6.591351	6.496423	6.553867
MAP3K13	ENSG0000	-0.00138	5.755877	-0.00858	0.993249	0.995275	-7.33577	5.745596	5.697188	5.703085	5.536571	5.379635	5.519514	5.715585	5.761822	5.70008	5.526317	5.698134	5.652722	6.502278	6.537754	6.529335	5.610871	5.688306	5.605504
ST6GAL1	ENSG0000	0.479471	4.215948	3.903961	0.001091	0.005011	-1.3497	2.996191	3.155816	2.848472	4.290615	4.301803	4.34463	2.779728	3.043491	2.643847	4.623032	4.712893	4.721931	5.83445	5.834598	5.718428	5.394346	5.227729	5.299535
FRY	ENSG0000	0.090734	2.44158	0.378324	0.709746	0.794015	-6.31377	2.949211	3.169391	2.865896	4.753186	4.681813	4.793524	3.072345	2.916694	3.4839	2.01088	1.752042	1.585733	2.112949	2.433888	2.141451	1.681967	1.737342	1.546329
PICALM	ENSG0000	0.021175	7.266542	0.495613	0.626341	0.725932	-7.39639	7.045868	7.010971	6.95352	6.989528	6.85779	6.998241	7.005289	6.998961	6.996682	7.488489	7.508775	7.474035	7.657661	7.705297	7.685349	7.535719	7.516648	7.546224
NSF	ENSG0000	0.033671	5.904223	0.579954	0.569348	0.678312	-7.19086	5.583279	5.659206	5.549817	6.004384	5.891089	5.947304	5.743574	5.786207	5.848765	6.175637	6.089154	6.071422	6.078073	6.082954	6.155956	6.051821	6.041387	5.964291
GLI2	ENSG0000	-1.20835	-0.93043	-4.17418	0.000603	0.003113	-0.16096	3.810347	4.14364	4.057757	3.06262	3.457132	3.27721	2.696258	2.871824	2.588518	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CLASP1	ENSG0000	0.31157	6.129706	4.620444	0.000228	0.001439	-0.0749	5.496078	5.455446	5.64624	6.082665	6.036494	5.965928	5.922569	5.975709	5.961941	6.362863	6.473889	6.314117	6.436358	6.420828	6.354146	6.59754	6.589551	6.635195
MRPS34	ENSG0000	-0.15179	6.622287	-2.27261	0.035934	0.079845	-5.06499	6.988936	7.048185	7.088585	6.674365	6.807642	6.62179	6.734246	6.762879	6.817288	6.325233	6.428144	6.697312	6.419607	6.366533	6.357411	6.592237	6.392174	6.354004
NOTCH3	ENSG0000	0.62117	6.800464	5.71597	2.27E-05	0.000238	2.23496	6.792225	6.831564	6.918464	7.173678	7.374867	7.354201	7.85754	7.673943	7.897619	6.007276	6.270274	6.112139	6.489493	6.439197	6.362835	6.439169	6.453147	6.220906
CLNS1A	ENSG0000	0.722711	6.633176	13.78355	7.98E-11	1.70E-08	15.0714	5.362012	5.393175	5.251481	6.030952	5.910785	5.807161	6.15656	6.203275	6.051618	6.96951	7.058247	7.055136	7.771612	7.830096	7.787295	7.690979	7.675709	7.718028
PPP2R2C	ENSG0000	1.234044	2.435827	4.315359	0.000443	0.002447	0.130113	5.895619	5.930325	5.83279	7.344394	7.388979	7.321132	7.254198	7.10333	7.048858	0.190076	0.462741	0.397516	0.5125	0.550009	0.404558	0.326864	0.816175	0.214669
TEAD2	ENSG0000	0.862364	4.623636	12.14146	6.00E-10	7.74E-08	13.12614	3.210562	2.966631	3.204003	4.254996	4.662026	4.55606	4.185161	4.128801	4.3476	4.786356	4.821501	4.8741	6.000221	5.971557	5.903984	5.529969	5.585175	5.562649
EED	ENSG0000	-0.03723	5.0256	-0.84609	0.408938	0.530851	-6.90943	4.867751	4.881217	4.76778	4.171485	4.204846	4.178918	4.986526	4.911516	4.813478	5.754507	5.71148	5.735845	5.088219	5.206274	5.113381	5.667442	5.629711	5.637437
TSG101	ENSG0000	-0.29067	6.408308	-4.82052	0.000148	0.001033	0.344604	6.767614	6.642539	6.649636	6.390287	6.313024	6.308185	6.337326	6.389876	6.293548	6.456552	6.409841	6.518778	6.474163	6.508375	6.520626	6.233123	6.292449	6.159635
NCBP3	ENSG0000	0.014479	5.686428	0.232368	0.818951	0.875897	-7.28044	5.960231	5.910253	5.925027	6.092789	6.023629	6.035905	6.070782	5.973056	6.136045	5.520274	5.53695	5.549768	5.231389	5.289623	5.301375	5.342644	5.449467	5.536833
ATP2A3	ENSG0000	0.856173	3.469016	8.282222	1.85E-07	5.78E-06	7.478659	2.080492	2.039077	2.194417	3.619685	3.747367	3.678224	2.908934	2.848856	2.869505	3.805587	3.836353	3.680217	4.895737	4.811013	4.72927	4.54135	4.633169	4.428245
CA12	ENSG0000	1.498528	0.941201	2.800978	0.012049	0.033771	-2.8157	4.901049	5.007511	4.994599	7.025647	7.071617	7.10921	6.52843	6.476718	6.544946	0.106501	0.259702	0.288049	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
MGLL	ENSG0000	-0.38784	5.594891	-1.73985	0.099463	0.178039	-5.85718	6.004946	5.820613	5.8172	5.087795	5.157403	5.093661	4.367093	4.184903	4.339245	5.823198	5.835508	5.956492	6.581221	6.416471	6.445932	6.123425	6.157931	6.125399
NTN4	ENSG0000	-0.19217	7.490093	-3.57571	0.002245	0.008856	-2.46416	7.730102	7.670387	7.721801	8.09022	8.107881	8.084527	7.609217	7.495037	7.594798	7.232327	7.258474	7.315263	7.335245	7.309722	7.336374	7.103571	6.922965	7.057259
BCS1L	ENSG0000	-0.23188	5.119559	-3.37432	0.003491	0.012636	-2.6736	5.100552	4.973094	5.067946	4.333937	4.335505	4.407292	4.920629	5.155666	4.945952	5.844313	5.766859	5.756541	5.342202	5.236244	5.382653	5.430457	5.478535	5.472921
NUAK1	ENSG0000	-0.01145	4.661804	-0.05671	0.95542	0.970963	-6.91312	6.392134	6.349454	6.309455	6.127673	5.989635	6.182445	6.373601	6.260962	6.35286	2.966925	2.969234	2.930089	3.918659	3.813238	3.824901	3.143207	2.799093	2.960231
DPP8	ENSG0000	0.028097	6.464517	0.431993	0.671029	0.763375	-7.32848	6.590142	6.615521	6.527679	6.62115	6.430738	6.740116	6.691778	6.764414	6.762098	6.292517	6.315766	6.279679	6.433023	6.505302	6.476276	6.150139	6.217503	6.252972
SLC24A1	ENSG0000	-0.06681	3.446492	-0.59837	0.557267	0.667631	-6.60812	3.756787	3.952741	4.02711	3.70135	3.734793	3.776446	3.632324	3.761625	3.746538	3.036317	3.381904	3.400153	3.251622	3.759216	3.525482	3.439417	3.297679	3.254409
ZNF532	ENSG0000	-0.08257	4.736961	-1.36219	0.190435	0.293546	-6.33331	3.975752	3.983805	3.755225	3.727576	3.602632	3.797394	3.690999	3.431409	3.856018	6.032969	6.025131	5.85938	5.637019	5.62404	5.730227	5.968311	5.922751	5.911023
LMAN1	ENSG0000	0.519482	7.63971	5.84148	1.76E-05	0.000197	2.436461	8.144469	8.177762	8.209822	8.565865	8.409774	8.519828	8.981577	9.027389	8.929573	6.796141	6.800927	6.64416	6.602898	6.584132	6.523535	6.927356	6.89089	6.94298
HACD3	ENSG0000	0.097536	7.887481	1.373545	0.186946	0.289394	-6.611	8.026841	8.088141	8.041778	8.316036	8.284344	8.32531	8.3269	8.323251	8.286247	7.677275	7.681042	7.686442	7.358722	7.41064	7.412622	7.615437	7.592245	7.638329
ZZEF1	ENSG0000	0.136775	6.14281	1.922297	0.071023	0.136699	-5.59298	6.213149	6.274494	6.275633	6.745073	6.732159	6.99711	6.623754	6.491623	6.561203	5.781704	5.800031	5.524349	6.045689	5.952125	5.983596	5.687476	5.659306	5.617869
ENO1	ENSG0000	0.364652	11.07823	4.114575	0.000687	0.00345	-1.51527	11.29871	11.30575	11.28546	11.52058	11.56906	11.47339	11.60865	11.60944	11.60047	10.69234	10.68443	10.58935	10.31717	10.33312	10.31436	11.02986	11.06899	11.12024
MYDGF	ENSG0000	0.609602	6.528678	8.27558	1.87E-07	5.82E-06	7.173807	6.869957	6.879841	6.751575	7.076272	7.055276	6.973145	7.557925	7.669853	7.684934	5.831356	5.789058	5.984176	5.626839	5.618361	5.746917	6.300796	6.208188	6.216033
ANO8	ENSG0000	-0.17043	3.662969	-1.26936	0.220955	0.330643	-6.06744	4.152058	4.204245	4.174224	3.70135	3.643567	3.678224	3.647218	3.646467	3.721038	3.394446	3.5985	3.70172	3.894617	3.921728	3.939687	3.824254	3.72088	3.432977
TUBE1	ENSG0000	-0.41353	3.655702	-2.43676	0.025772	0.061476	-4.19391	4.867751	4.864623	4.831244	3.325575	3.207016	3.643939	4.723921	4.547856	4.396744	3.614613	3.501964	3.625013	3.205461	3.065945	3.308792	3.113899	3.182818	3.050576
ARHGEF10	ENSG0000	-0.34475	3.867946	-3.30889	0.004028	0.014168	-2.61595	3.487617	3.335139	3.565652	2.840308	3.531716	2.845893	2.832807	2.702788	2.34318	4.966032	5.024933	4.934378	5.090337	5.043483	4.972896	4.894365	4.755137	4.703543

TXK	ENSG0000	-0.42773	1.046356	-1.14851	0.266235	0.382586	-5.59487	2.867343	2.730641	2.641489	1.182548	0.730585	0.984419	2.545421	2.290412	2.408535	1.555182	1.725977	1.126631	1.392977	1.2438	1.639204	0.974502	1.206659	1.461048
ACTR6	ENSG0000	-0.23691	5.042997	-3.90212	0.001095	0.005025	-1.48218	5.049495	4.953612	4.925655	4.809518	4.739596	4.824468	4.651903	4.9659	4.626988	5.339908	5.419887	5.396673	5.464835	5.522299	5.410157	5.122419	5.123998	5.243178
TIPIN	ENSG0000	-0.2819	4.324998	-2.9602	0.008575	0.025724	-3.37076	5.167074	5.102561	5.116065	4.009923	4.177232	4.194794	4.87074	4.825892	4.837409	4.812964	4.699561	4.771071	3.141522	3.098942	3.042931	4.519164	4.517274	4.433851
SRI	ENSG0000	-0.02459	5.991689	-0.27533	0.786293	0.850858	-7.32089	6.148765	6.253935	6.227583	6.05704	6.066908	6.044692	6.02305	6.053109	6.114173	5.72153	5.71148	5.728007	6.177072	6.292394	6.230242	5.806751	5.775573	5.84102
EIF4G3	ENSG0000	0.488445	6.886448	4.823475	0.000147	0.001027	0.327771	6.986999	7.038046	7.104269	7.569505	7.471818	7.604256	7.880568	7.832359	7.963661	6.312469	6.287085	6.16921	6.322929	6.314805	6.349783	6.329765	6.321123	6.346593
NUP37	ENSG0000	-0.48166	4.681185	-4.45554	0.000326	0.001918	-0.14957	6.010678	6.099413	6.115514	4.778495	4.807214	4.662649	5.478019	5.58894	5.439755	4.368817	4.200477	4.453822	3.773284	3.871689	3.740748	4.078031	3.961615	4.022248
SEMA3A	ENSG0000	0.132214	7.653948	1.498322	0.151893	0.247106	-6.36933	8.532909	8.497272	8.5181	9.443382	9.243254	9.390578	8.660417	8.729106	8.741451	6.387415	6.372524	6.355404	6.566078	6.634702	6.62543	6.365436	6.427003	6.464943
GTSE1	ENSG0000	0.483171	2.943013	1.552392	0.138487	0.229905	-5.52845	3.774862	3.39414	3.764544	3.740513	3.734793	3.335661	4.293266	4.256466	4.444269	3.186323	3.223257	3.413246	1.365252	0.837535	1.17005	3.307556	3.366281	3.254409
SEMA3C	ENSG0000	0.066741	5.632091	0.615874	0.545915	0.657156	-7.05096	6.193126	6.216828	6.283758	6.54945	6.584058	6.614431	5.95585	5.943547	5.880784	4.630531	4.602618	4.745417	5.450064	5.487419	5.345877	5.127316	5.16584	5.19777
TTC38	ENSG0000	0.365183	4.197524	4.069466	0.000759	0.003744	-0.93234	3.878801	3.812706	3.764544	4.333937	4.392653	4.358792	4.637058	4.569092	4.355908	4.161861	4.260723	4.249986	4.480326	4.398927	4.351192	4.302461	4.423801	4.268007
ACAT1	ENSG0000	-0.16844	6.466551	-0.91636	0.37195	0.494186	-6.92124	7.145613	7.192288	7.052899	8.136221	8.095641	8.178843	7.023954	7.047683	7.075513	5.771565	5.70649	5.693541	5.451713	5.44741	5.424752	5.46375	5.403571	5.464729
GRAMD4	ENSG0000	0.267265	3.7212	2.629293	0.017302	0.044839	-3.88801	3.300651	3.57841	3.477724	3.944346	3.820593	3.776446	3.747379	3.592179	3.4839	3.907872	4.008408	3.95997	3.850304	4.028349	3.767168	4.365992	4.216457	4.150354
CELSR1	ENSG0000	0.562293	6.513257	3.418762	0.003168	0.011712	-2.7496	4.327631	4.236845	4.388298	6.020383	6.173243	6.208094	5.167879	5.048863	5.046897	7.516585	7.703756	7.580521	8.073633	7.967463	8.042818	8.163152	8.048781	8.006977
ZNF638	ENSG0000	0.194318	7.239459	4.460628	0.000323	0.001902	-0.51723	7.248638	7.231642	7.212082	7.462312	7.369793	7.4737	7.512895	7.547693	7.581575	7.113599	7.076412	6.983424	7.064378	7.117804	7.091142	7.097345	7.132315	7.172398
SLC25A40	ENSG0000	-0.04658	4.043861	-0.35122	0.729624	0.808782	-6.8905	4.527427	4.599733	4.579961	4.464421	4.376555	4.518705	4.920629	4.709588	4.872576	4.187508	4.10258	4.071539	3.066031	3.233802	3.147195	3.749992	3.628139	3.761956
TIMM21	ENSG0000	-0.2471	4.770472	-4.80182	0.000154	0.001067	0.547152	5.504227	5.597782	5.530827	4.809518	4.681813	4.839695	5.315037	5.447033	5.22526	4.806358	4.919631	4.735026	3.937609	3.952144	3.951255	4.537676	4.568087	4.546811
ADD2	ENSG0000	-0.24951	-0.13325	-0.74973	0.463392	0.583448	-5.67102	4.345883	4.312206	4.574673	3.181227	3.151334	3.119801	4.254886	4.194045	4.011347	0.190076	0.106501	0.230035	0.106501	0.190544	0.106501	0.106501	0.19538	0.214669
RASAL2	ENSG0000	-0.44829	6.273916	-2.44115	0.025542	0.061002	-4.73752	6.084999	6.168638	6.198653	5.132645	5.039662	5.268872	5.657922	5.567996	5.602211	6.927511	6.946294	6.857363	7.375322	7.328392	7.47906	6.545438	6.496423	6.64731
VPS9D1	ENSG0000	0.477798	3.528617	3.221472	0.004873	0.016546	-2.47151	3.944154	3.96057	4.138828	4.915985	4.888929	4.751204	4.998191	4.547856	4.599264	2.558849	2.485369	2.592986	3.36795	3.462307	3.404467	2.625227	2.552239	2.48622
ZNF37A	ENSG0000	1.252294	4.519566	14.75049	2.67E-11	7.33E-09	16.12353	4.265068	4.366251	4.429894	5.359221	5.296516	5.435149	5.701383	5.682848	5.646906	3.303547	3.811781	3.254982	4.131114	4.344933	4.237689	4.489042	4.508628	4.4056
MARK3	ENSG0000	0.002111	6.726545	0.051513	0.959501	0.974161	-7.47656	6.564394	6.557339	6.451827	6.352868	6.325656	6.35309	6.499996	6.531837	6.462714	6.978353	6.954735	7.101374	7.024498	7.042767	7.016021	7.052993	6.998236	7.06631
SLC25A3	ENSG0000	0.07503	8.699462	2.618136	0.01771	0.045701	-4.55481	9.200157	9.253448	9.206556	9.253948	9.224827	9.209999	9.26084	9.342312	9.33456	8.130303	8.085137	8.122113	8.180652	8.172863	8.17788	8.211802	8.141174	8.151351
FNDC3B	ENSG0000	0.51022	7.301972	11.44352	1.51E-09	1.50E-07	12.06031	6.962565	6.962086	7.029897	7.869514	7.879202	7.97099	7.531076	7.527946	7.472148	6.683492	6.678858	6.535341	7.730437	7.658106	7.760423	7.087955	7.108911	7.164833
FOSL2	ENSG0000	-0.40996	7.679054	-4.18639	0.000587	0.003054	-1.16316	7.852172	7.747077	7.799794	7.273847	7.300026	7.281722	7.605409	7.554807	7.708644	8.043435	8.008484	8.104058	7.954258	7.85727	7.914995	7.466875	7.489445	7.393491
CACNG4	ENSG0000	-0.8295	-0.83205	-2.3287	0.032102	0.073072	-3.61476	3.071243	3.483793	3.419917	4.440838	4.455308	4.130213	2.480375	2.220554	2.560038	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
FRYL	ENSG0000	-0.05301	6.274654	-0.51736	0.61139	0.713072	-7.28184	5.670345	5.687786	5.613091	6.333788	6.140251	6.435578	5.78793	5.663233	5.519576	6.787781	6.885778	6.609028	6.668172	6.721134	6.793104	6.604581	6.664436	6.722526
TMEM131	ENSG0000	0.122924	6.509453	1.481152	0.156369	0.252685	-6.34062	6.544776	6.643756	6.667134	6.980014	6.910452	7.009506	6.753301	6.652807	6.638151	6.271086	6.349235	6.228745	6.188983	6.142196	6.130742	6.478985	6.453147	6.426093
FSCN1	ENSG0000	0.229054	7.816283	1.825682	0.085034	0.157326	-5.95849	7.618174	7.643283	7.799794	7.573125	7.737496	7.513806	7.400917	7.336889	7.439296	7.574107	7.654082	7.848241	8.216491	8.173186	8.225102	8.476459	8.375863	8.208886
ACTB	ENSG0000	0.070425	11.10102	1.465347	0.160584	0.257946	-6.69334	11.40313	11.38937	11.42244	11.1799	11.23011	11.12002	11.39048	11.27478	11.39423	10.85732	10.74338	10.80727	10.85614	10.89442	10.88915	10.96196	10.99572	11.02096
MOCOS	ENSG0000	0.546231	4.820922	5.317595	5.17E-05	0.000452	1.673924	4.965424	4.913842	4.954444	5.576799	5.431202	5.556848	5.36994	5.484771	5.489686	4.421642	4.23323	4.159641	4.275881	4.200384	4.364231	4.925625	4.787661	4.661156
PLD1	ENSG0000	0.692447	4.49112	4.169351	0.000609	0.003138	-0.51482	5.922218	5.971588	5.982065	7.168901	7.085301	7.138236	6.825462	6.781193	6.85441	2.510897	2.604605	2.272125	3.091636	3.301515	3.281558	2.247458	2.006592	2.464474
WDR62	ENSG0000	0.044555	3.815409	0.225998	0.823824	0.879524	-6.8938	5.023273	4.804995	4.892035	4.199863	4.258538	4.088331	5.093706	5.132077	5.052019	3.87668	4.051023	4.03812	1.711947	1.793303	1.970087	3.854102	3.705831	3.823043
DLG1	ENSG0000	0.428894	6.307662	7.88313	3.69E-07	9.79E-06	6.484784	6.094026	6.026697	6.036935	6.684442	6.604936	6.630571	6.53044	6.634457	6.543128	6.035795	6.085314	6.016711	6.237578	6.281656	6.283835	6.357122	6.389822	6.406268
RAB7A	ENSG0000	-0.06831	8.287816	-2.16066	0.044875	0.095169	-5.41447	8.244739	8.214647	8.138138	8.225769	8.162301	8.205535	8.115581	8.083598	8.136365	8.375665	8.353881	8.453709	8.493178	8.51195	8.517398	8.326432	8.374971	8.332957
BCAP29	ENSG0000	-0.01117	5.219222	-0.19202	0.849943	0.899069	-7.20218	5.601118	5.627592	5.581801	5.416768	5.442845	5.569081	5.643139	5.746369	5.770134	4.974897	5.038233	4.95467	4.843945	4.959137	4.961501	4.859472	4.887736	4.802199
SEC31B	ENSG0000	-0.53272	1.14459	-2.36755	0.029676	0.068585	-3.70314	1.894617	1.631689	2.109199	2.81607	2.787348	2.719893	1.917967	1.605065	1.962896	1.704765	1.55885	1.188864	1.818016	1.622273	1.722572	0.974502	0.69947	0.93723
SART3	ENSG0000	-0.10916	6.630002	-2.95632	0.008647	0.02589	-3.73469	6.804375	6.741282	6.740992	6.305774	6.331931	6.361906	6.579794	6.558627	6.557606	6.826657	6.877662	6.831992	6.545381	6.554701	6.564596	6.876634	6.744856	6.807033
EXOSC7	ENSG0000	0.028275	4.850324	0.443759	0.662662	0.757001	-7.10738	4.884496	5.102561	4.994599	4.367681	4.462952	4.427589	4.83866	4.814082	4.889843	5.029806	5.069663	5.083114	4.924518	4.830791	4.894173	5.231053	5.152027	5.236778
KIFAP3	ENSG0000	-0.03384	5.092044	-0.3632	0.720812	0.80226	-7.15389	5.282121	5.185067	5.090354	5.137544	5.162106	5.089421	4.629578	4.889176	4.732845	5.077225	4.997958	5.103452	5.375589	5.359369	5.418515	5.289021	5.198461	5.423057
MKRN2	ENSG0000	-0.17566	5.383538	-1.55098	0.138826	0.23032	-6.11486	5.999192	5.852519	5.830573	4.753186	4.733289	4.884435	5.620676	5.560947	5.660384	5.491736	5.442072	5.582013	5.190502	5.260752	5.403856	5.482982	5.360979	5.448204
MCM6	ENSG0000	-0.04322	7.015022	-0.15556	0.878162	0.9186	-7.48953	7.382121	7.300344	7.25652	7.47688	7.360615	7.404561	7.103055	7.204053	7.112756	7.352829	7.357295	7.382965	5.409919	5.522299	5.576251	7.446937	7.404031	7.457501
REXO2	ENSG0000	-0.16886	4.743868	-2.75493	0.013284	0.036497	-3.84045	4.846543	4.872944	4.925655	4.667726	4.917027	4.702062	4.651903	4.62424	4.556652	4.867929	4.86395	4.732417	4.924518	5.003379	5.028559	4.790139	4.683969	4.7174
RBM7	ENSG0000	-0.12802	4.267429	-1.77101	0.093995	0.170262	-5.54696	4.2778	4.287521	4.320409	3.955484	4.213935	4.186878	3.941119	4.080322	4.198517	4.368817	4.467566	4.60982	4.583188	4.67539	4.735974	4.406844	4.460128	4.416967
RBMS2	ENSG0000	-0.37651	6.120149	-1.66962	0.112807	0.196227	-6.03157	6.974345	6.918538	6.867476	5.558653	5.407631	5.506852	6.422036	6.461656	6.365259	5.982583	6.017092	5.929407	6.347048	6.300691	6.2804	5.679162	5.832106	5.715459
BAZ2A	ENSG0000	0.15255	7.577244	3.102242	0.006313	0.020282	-3.50428	7.277451	7.277805	7.342267	7.592875	7.652308	7.743666	7.471654	7.359411	7.398658	7.620977	7.666983	7.514847	7.780495	7.740141	7.738057	7.778413	7.799157	7.776558
PTPN23	ENSG0000	0.306359	6.059328	4.193407	0.000578	0.003016	-0.98973	5.364998	5.424646	5.426074	6.185579	6.28095	6.077174	5.973684	5.758745	5.972785	6.169215	6.205726	6.187425	6.543836	6.405522	6.450015	6.357122	6.329738	6.367248
MLH1	ENSG0000	-0.20823	5.236123	-1.90981	0.072709	0.139287	-5.50516	5.446195	5.355074	5.332045	5.633379	5.4273	5.513197	5.099133	5.103252	4.962367	5.422146	5.397356	5.456399	4.984974	4.944083	4.95577	5.184823	5.398901	5.344873
UNG	ENSG0000	-0.36154	6.186759	-2.75976	0.013149	0.036202	-4.11152	6.459339	6.604321	6.446046	5.479843	5.694082	5.651925	5.93476	5.845426	5.709835	6.970987	6.929261	7.067094	5.418375	5.552391	5.433027	6.886055	6.852972	6.82421
FMO4	ENSG0000	-0.44438	0.020952	-2.02595	0.058313	0.117144	-4.14253	1.430644	1.420874	1.088647	2.103714	1.556428	1.422231	1.160105	1.082132	1.01237	0.781331	0.695454	0.683459	1.121891	1.16289	1.320349	0.517985	0.637375	0.497646
KLHL20	ENSG0000	-0.20402	5.396847	-3.81404	0.00133	0.00588	-1.73187	5.706108	5.632501	5.547119	5.180897	5.124043	5.191857	5.574674	5.495903	5.629879	5.615934	5.721408	5.619214	5.240955	5.272852	5.191054	5.386197	5.309644	5.33891
RGS11	ENSG0000	0.390175	0.988959	1.144611	0.267804	0.384315	-5.45304	2.649532	2.425906	2.37563	2.605941	2.520598	2.557474	2.226405	2.220554	2.588518	0.54782	0.398185	0.54756	1.548989	1.495836	1.639204	1.13872	1.072305	0.872651
SLC46A1	ENSG0000	0.233019	5.467874	5.092557	8.31E-05	0.000655	1.071575	5.38573	5.275715	5.274496	5.932924	5.853781	5.799394	5.601686	5.636658	5.537947	5.27918	5.150274	5.191584	5.688268	5.579922	5.684176	5.455985	5.322033	5.380146
PLXNA2	ENSG0000	-1.03745	3.923087	-6.49447	4.80E-06	7.23E-05	4.339837	6.89909	6.903387	6.863145	6.173706	6.422921	6.370669	5.804633	5.692556	5.732345	2.121457	2.249583	2.120715	1.755315	1.871771	1.695314	1.880661	2.124453	2.119598
SPAG5	ENSG0000	0.42432	4.921199	1.62159	0.122791	0.209777	-5.89621	5.670345	5.393175	5.449376	5.558653	5.510796	5.316813	6.065248	6.219034	6.111723	4.971948	4.964909	5.035219	2.614772	2.938056	2.730245	5.153958	5.02441	5.12686
ANKRD13A	ENSG0000	0.937457	4.453999	5.551081	3.18E-05	0.000312	2.207514	3.443098	3.686213	3.25779	4.674482	4.478119	4.71863	5.173034	5.093515	5.188519	4.247262	4.386688	4.268117	4.957386	5.000472	4.842308	4.60593	4.729324	4.726565
TPD52	ENSG0000	-0.2	7.028061	-5.21791	6.37E-05	0.00053	1.128207	7.155994	7.205526	7.1915	6.784644	6.700177	6.679347	6.894185	7.011943	6.88917	7.36861	7.335912	7.320051	6.839787	6.902624	6.867489	7.082922	7.264646	7.217786
ACACB	ENSG0000	-0.23357	2.220457	-0.92471	0.367708	0.489565	-5.92976	3.487617	3.235413	3.322321	4.072648	4.222966	4.138446	3.238915	3.232814	3.104585	1.732907	2.032826	1.839597	1.689764	1.2438	1.423614	1.599785	1.82352	1.273688
TRAF4	ENSG0000	-0.24542	7.048232	-4.69282	0.000195	0.001278	0.005085	7.444147	7.465568	7.532254	7.150845	7.201803	7.142336	7.048002	7.105754	7.05907	7.059763	6.948409	7.008445	6.756863	6.679929	6.728186	6.965457	6.8967	6.879691
PAG1	ENSG0000	-0.03032	7.391969	-0.13679	0.892761	0.928335	-7.49006	7.83343	7.784497	7.857003	8.377368	8.244984	8.414025	8.331517	8.397348	8.353135	7.233558	7.365233	7.176729	6.030324	6.082954	6.048312	6.569027	6.565785	6.583172
GPATCH1	ENSG0000	0.149408	3.965646	2.54323	0.020697	0.05167	-4.14571	3.572735	3.759847	3.544167	3.70135	3.426184	3.818042	3.788265	3.84524	3.759121	4.408616	4.327249	4.408771	4.410831	4.492955	4.315833	4.511692	4.477953	4.536426
ICAM3	ENSG0000	0.311079	2.673025	2.56273	0.019877	0.05008	-3.72768	2.780548	2.308123	2.641489	2.887595	3.31232	3.152687	2.696258	2.960209	2.981126	2.881509	2.561038	2.902498	2.995443	3.020741	2.99902	3.171932	3.009816	2.81313
NT5C2	ENSG0000	0.200162	8.165416	2.902483	0.009705	0.028411	-3.94519	8.312431	8.29037	8.270773	8.921197	8.797206	8.873024	8.510674	8.534568	8.581506	7.73233	7.678496	7.689136	7.767977	7.810308	7.769844	7.823996	7.822453	7.888984
MCAM	ENSG0000	0.525674	3.384972	3.184583	0.00528	0.017642	-2.3092	5.724825	5.80765	5.99598	7.264921	7.244562	7.263019	6.514283	6.29959	6.359073	0.982259	0.799097	1.158083	1.597456	1.710321	1.456457	0.974502	0.816175	1.416439
GPC4	ENSG0000	0.155087	2.522869	1.944996	0.068045	0.132182	-5.21582	0.814199	0.582935	1.028027	1.104644	1.498102	1.367251	1.160105	1.15884	1.38134	4.699893	4.732663	4.791271	5.192476	5.306201	5.29458	4.802439	4.84029	4.865793
MBNL3	ENSG0000	0.628566	0.35936	6.753337	2.92E-06	4.97E-05	4.676858	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	4.192583	4.340194	4.201752	4.876225	5.003379	4.964358	4.877024	4.769683	4.910709
CAMSAP3	ENSG0000	-0.18956	2.615963	-1.50808	0.149397	0.243879	-5.8169	1.990546	1.849715	1.78216	1.578054	1.768674	1.123626	0.983587	1.082132	1.01237	4.318634	4.494836	4.676498	4.779762	4.585115	4.785281	4.522885	4.508628	4.305185
RAP1GAP	ENSG0000	-0.28572	3.122776	-2.43798	0.025708	0.061343	-4.45044	2.19231	2.125186	2.326135	1.256461	1.2379	1.250575	1.525136	1.001115	0.925731	5.591166	5.40559	5.612134	5.445106	5.558335	5.246096	5.396376	5.35134	5.362617
XAB2	ENSG0000	-0.17051	5.868494	-1.74968	0.097709	0.17565	-5.8776	6.22141	6.182094	6.220828	5.608898	5.657909	5.425089	6.051319	5.871301	5.875015	5.858752	5.818649	5.990742	5.988911	5.914003	5.952276	5.85183	5.854454	5.749576
ARHGEF1	ENSG0000	-0.15307	6.057601	-1.80703	0.088004	0.161442	-5.83312	6.177924	6.05805	6.212339	5.412733	5.60362	5.418344	5.910274	5.58547	5.693539	6.308968	6.430163	6.509664	6.326528	6.139555	6.287262	6.498016	6.448634	6.428903
STXBP2	ENSG0000	0.176701	4.062511	1.854455	0.080626	0.151427	-5.3919	3.373632	3.61855	3.755225	3.921807	3.656958	3.689474	3.507292	3.646467	3.721038	4.295234	4.322908	4.358889	5.166607	5.026432	5.087406	4.442647	4.718118	4.488745
MAP2K7	ENSG0000	-0.04393	5.234933	-0.81051	0.428544	0.550185	-6.90635	5.460225	5.337144	5.378308	5.312338	5.317749	5.327654	5.461262	5.376512	5.296047	5.09088	5.221963	5.383428	5.20426	5.198683	5.063622	5.231053	5.203826	5.070394
DGKD	ENSG0000	0.438625	7.47768	2.934488	0.009062	0.026877	-3.79474	7.890498	7.817203	7.849906	8.958006	8.938921	8.938431	8.698005	8.59965	8.6439	6.528559	6.521073	6.509664	6.519674	6.412102	6.466232	6.524244	6.54268	6.430305
RARB	ENSG0000	-0.42044	2.759365	-2.98545	0.008122	0.024593	-2.81744	3.682132	3.888531	3.533304	3.766043	3.832443	3.807755	3.66196	3.659726	3.421943	2.47802	2.516115	2.693003	2.491955	2.269709	2.604018	1.970607	1.766644	1.910335
TOP2B	ENSG0000	-0.0557	6.719412	-1.35996	0.191127	0.294422	-6.54284	6.425413	6.515435	6.497256	6.600012	6.463496	6.611477	6.434968	6.41355	6.415803	6.927511	6.99758	6.85016	7.103185	7.141093	7.187824	6.836826	6.857234	6.928161
TM9SF3	ENSG0000	0.244252	8.180865	3.489991	0.00271	0.010367	-2.70852	8.186852	8.198186	8.212804	8.432716	8.279482	8.382747	8.611893	8.637419	8.617366	7.822666	7.868439	7.831269	8.149499	8.207316	8.169547	7.893197	7.878471	7.969834
NFKB2	ENSG0000	-0.54965	5.959232	-1.68525	0.109711	0.192179	-5.87543	8.258855	8.225653	8.315052	6.342299	6.3361	6.215895	7.529067	7.30876	7.486408	4.545816	4.415514	4.575288	5.086097	5.000472	5.017597	4.469892	4.464605	4.329449
UBE2T	ENSG0000	-0.29882	5.110319	-2.07654	0.052889	0.108434	-5.23375	6.012583	6.102954	6.038856	4.863733	4.86605	4.913508	5.740105	5.970398	5.942765	5.66057	5.650429	5.69756	3.24403	3.428092	3.167173	5.308556	5.203826	5.177863
PPP1R12B	ENSG0000	-0.00822	4.174731	-0.06863	0.946062	0.964775	-6.98167	4.145127	4.336476	4.242513	4.510463	4.267295	4.460795	4.681143	4.55497	4.527529	4.192583	4.162112	3.955502	4.386902	4.497087	4.261115	3.818209	3.705831	3.914098
DNAJC10	ENSG0000	0.330523	7.508801	6.306713	6.93E-06	9.68E-05	3.38415	7.606866	7.665007	7.635545	8.077532	8.004957	8.088781	8.096038	8.142631	8.151358	6.95465	7.045131	6.910271	7.186243	7.210046	7.151932	7.081661	7.108196	7.196508
GTF3C1	ENSG0000	-0.19802	7.028702	-4.01583	0.000853	0.004119	-1.4737	7.388005	7.285617	7.322684	7.170097	7.281774	7.295592	6.98638	6.951234	7.060342	6.949413	6.924255	6.911425	6.891725	6.872725	6.872821	6.932961	6.869947	6.756478
IL4R	ENSG0000	0.466919	5.332799	4.167989	0.000611	0.003144	-0.95656	5.030813	4.969219	4.822347	5.294904	5.309293	5.334836	5.679816	5.602735	5.660384	5.514206	5.586681	5.509184	5.023176	4.931925	5.006551	5.869475	5.775573	5.745073
USP33	ENSG0000	0.085623	6.100937	1.082019	0.293947	0.412632	-6.80326	5.938346	5.852519	5.8172	5.833796	5.757614	5.918911	6.169514	6.271797	6.188155	6.25055	6.2759	6.274307	6.351471	6.407719	6.404456	6.133197	6.160693	6.20296
PAK3	ENSG0000	0.808392	1.195464	4.624161	0.000226	0.00143	0.725198	6.862581	6.945416	6.905885	7.659948	7.55553	7.712298	7.740886	7.718973	7.702956	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SNRPA	ENSG0000	-0.30311	5.840782	-2.97154	0.008369	0.025238	-3.60914	6.609156	6.616761	6.65591	5.161789	5.317749	5.230878	6.257073	6.239047	6.323509	5.973766	5.896664	6.036943	5.416688	5.390798	5.31263	5.750728	5.712977	5.722348
EXOSC5	ENSG0000	-0.50994	4.926059	-4.3969	0.000371	0.002123	-0.44578	5.0569	4.774231	4.946277	3.342644	3.747367	3.584921	4.215456	4.060466	3.968647	6.108753	5.91264	6.064176	5.657166	5.648392	5.60033	5.763367	5.657352	5.625238
DYNC1I2	ENSG0000	-0.17034	6.814088	-2.55191	0.020328	0.050992	-4.55412	6.871008	6.942455	6.86206	6.793982	6.8196	6.833078	6.55434	6.590132	6.591422	6.770066	6.748484	6.784917	7.205915	7.194228	7.155687	6.666451	6.754944	6.754239
LRCH4	ENSG0000	0.019157	3.149739	0.239559	0.813459	0.872053	-6.83737	2.668993	2.674627	2.966237	2.457149	2.762786	2.652511	3.137083	2.777669	2.846105	3.926269	3.799336	3.999574	3.752032	3.90938	3.843644	3.917673	3.955266	3.744016
FAM76B	ENSG0000	0.492543	3.600745	8.274387	1.88E-07	5.82E-06	7.457973	3.210562	3.042358	3.104764	3.51817	3.441741	3.632327	3.66196	3.578282	3.628063	3.673879	3.805572	3.848714	4.015478	4.132949	4.088533	4.171084	4.283876	4.170642
SIRT6	ENSG0000	-0.31068	4.10539	-2.71092	0.014577	0.039167	-3.78939	4.780982	4.522504	4.739702	4.041626	4.020303	3.878271	4.264577	4.009594	4.141991	3.926269	4.23323	4.300188	4.203356	4.154036	4.035179	4.113016	4.017531	4.051715
POLD3	ENSG0000	-0.21602	4.89432	-2.12158	0.048449	0.101181	-5.16326	4.871956	4.733688	4.804386	4.132759	4.167908	4.233737	4.454362	4.576102	4.633836	5.966378	5.876072	5.983079	4.43437	4.492955	4.492489	5.667442	5.768349	5.782904
CAPZB	ENSG0000	-0.15271	7.573358	-3.11927	0.006084	0.019736	-3.47172	7.546333	7.567129	7.552571	7.355999	7.314886	7.387393	7.333456	7.222041	7.313779	7.763359	7.676796	7.78543	7.897321	7.832142	7.849276	7.685179	7.699645	7.679614
GPR137B	ENSG0000	0.232756	1.095842	0.688354	0.500265	0.617335	-5.75478	4.321496	4.249682	4.249168	5.367584	5.034541	5.175948	4.402637	4.405576	4.490278	0.106501	0.259702	0.449284	0.46104	0.484926	0.263213	0.257084	0.358227	0.497646
JADE1	ENSG0000	0.460767	5.104227	3.846454	0.001238	0.005558	-1.48707	5.618738	5.493717	5.552509	6.475936	6.463496	6.541808	6.278754	6.361757	6.190479	4.146251	4.200477	4.09204	4.410831	4.303069	4.364231	4.245042	4.07722	4.022248
SLC25A43	ENSG0000	0.174289	5.283814	2.172291	0.043858	0.093524	-5.03915	5.633672	5.541478	5.533555	5.525403	5.738846	5.587238	5.506885	5.431657	5.435842	4.81954	4.784095	4.87173	5.196415	5.211312	5.239034	5.338427	5.187669	5.220652
UBE2A	ENSG0000	0.159823	6.904484	3.912597	0.001071	0.004941	-1.67924	7.319619	7.418028	7.244081	7.281613	7.340009	7.30933	7.408586	7.596771	7.532029	6.3852	6.411886	6.461631	6.333699	6.384488	6.440813	6.593122	6.492044	6.564127
FGFR1	ENSG0000	-0.69117	3.591468	-2.9485	0.008793	0.026245	-2.79488	7.160298	7.129433	7.223954	6.994936	7.155382	7.060219	6.460489	6.391864	6.40983	1.158593	1.403073	1.305813	0.982856	0.671977	1.08859	1.482378	1.329561	1.504318
SMC1B	ENSG0000	-0.55316	0.719066	-4.34798	0.000412	0.002308	-0.1183	0.667115	0.582935	0.512639	0.258133	0.389229	0.106501	0.670238	0.253663	0.39151	4.167027	3.884278	4.046548	2.770846	3.009215	2.846311	3.545669	3.511821	3.498643
FBLN1	ENSG0000	0.482167	3.907935	2.496399	0.022801	0.055828	-4.03437	4.584905	4.511888	4.600923	5.346585	5.547207	5.451761	4.908318	4.753535	4.912549	2.749986	2.687979	3.035461	3.066031	3.04352	2.716753	3.651445	3.603991	3.364179
MAP2	ENSG0000	-0.82079	5.454496	-3.56193	0.002314	0.009085	-2.2751	5.240453	5.188404	5.108765	4.857809	4.70778	4.839695	4.751751	4.630987	4.6676	6.032969	6.018435	5.956492	7.128144	7.157501	7.190877	5.122419	5.098298	5.177863
PIAS2	ENSG0000	0.102943	3.633927	1.085278	0.292541	0.4112	-6.14754	4.721647	4.629503	4.715879	4.851861	4.522687	4.777799	4.8959	4.866483	4.866774	2.650221	2.935512	2.786535	2.986372	2.913535	2.756856	2.652661	2.726388	2.778299
ARAF	ENSG0000	0.113013	6.716641	1.937507	0.069015	0.133629	-5.65883	6.652572	6.729875	6.701506	7.171291	7.179939	7.145403	6.989306	6.831855	6.963088	6.520509	6.426122	6.553934	6.648898	6.535747	6.615468	6.501792	6.515967	6.474494
MCCC1	ENSG0000	-0.12581	3.86316	-1.90131	0.073878	0.141184	-5.3599	3.27548	3.100202	2.933559	3.041869	2.926537	3.016392	2.667326	2.825515	2.798137	4.889966	4.919631	4.965822	5.318904	5.24855	5.278599	4.817667	4.847164	4.946447
LAMP3	ENSG0000	1.246428	2.256023	18.20522	8.35E-13	6.61E-10	19.28852	0.814199	0.8079	0.679585	0.934951	0.92021	0.830331	1.816207	1.549165	1.171446	4.054455	4.14254	4.12026	4.362569	4.349511	4.302347	5.348947	5.157568	5.353773
NEBL	ENSG0000	-0.56354	5.540741	-4.97811	0.000106	0.000793	0.815807	5.677569	5.664009	5.656289	5.483695	5.57921	5.640377	4.751751	5.146277	5.18386	5.587318	5.754018	5.658231	6.303887	6.341475	6.305403	5.122419	5.16584	5.305663
ACER3	ENSG0000	0.258354	4.763881	2.506247	0.022342	0.054948	-4.33938	4.500523	4.569336	4.195052	4.999073	4.894593	4.983728	5.125963	5.013152	4.973208	4.848768	4.830703	4.909182	4.771865	4.756906	4.807727	4.826728	4.79123	4.934632
UBE2K	ENSG0000	0.039172	7.673127	0.973301	0.343683	0.464604	-7.05703	8.113287	8.21055	8.102294	7.791635	7.677986	7.785549	8.261859	8.266966	8.205802	7.433818	7.423665	7.417489	7.079386	7.157501	7.126648	7.431181	7.404613	7.362962
PIK3C3	ENSG0000	-0.11651	5.230687	-1.97856	0.063845	0.125668	-5.36472	5.334855	5.158086	5.16263	5.517909	5.503402	5.643273	5.178171	5.155666	4.983968	5.055104	5.160041	5.083114	5.595861	5.717306	5.636606	4.905811	5.054421	5.022829
N4BP2	ENSG0000	-0.06465	5.057247	-1.01214	0.325279	0.445279	-6.65462	5.583279	5.685425	5.625931	5.5623	5.49597	5.575159	5.510962	5.646681	5.523269	4.678347	4.905185	4.676498	4.568067	4.455227	4.311352	4.739863	4.656838	4.675424
TIGAR	ENSG0000	-0.09256	5.070871	-0.90849	0.375979	0.498516	-6.72105	6.097621	6.160165	6.104547	5.667647	5.641162	5.625812	5.931722	5.789227	5.813006	4.187508	4.353024	4.209279	4.38345	4.501207	4.480563	4.507942	4.362748	4.365096
TULP3	ENSG0000	-0.15701	4.669181	-2.43834	0.025689	0.061309	-4.4557	4.772011	4.760843	4.681852	4.714371	4.795153	4.656929	4.283766	4.38177	4.41276	4.848768	4.878812	4.847819	4.779762	4.907298	4.817241	4.811595	4.870969	4.865793
SYNJ2	ENSG0000	-0.36293	4.950594	-6.02457	1.21E-05	0.000149	3.040653	4.29042	4.299916	4.357835	4.272916	4.335505	4.34463	3.788265	3.646467	3.60036	5.839468	5.902494	5.867727	6.201776	6.306589	6.251451	5.650532	5.60153	5.600528
PPP2R5C	ENSG0000	0.423807	7.088071	8.191008	2.16E-07	6.42E-06	6.96843	6.933693	6.978566	6.966701	7.370635	7.354464	7.364766	7.570676	7.591592	7.483567	6.700515	6.720706	6.703321	7.006102	7.05823	7.06742	6.895416	7.015122	7.004551
PMS2P1	ENSG0000	0.215787	3.916274	2.921683	0.009314	0.027488	-3.30631	4.029438	4.094678	4.02711	4.122913	4.061165	4.121933	4.000319	4.119235	4.189248	3.844798	3.619889	3.743789	4.199436	3.921728	3.996621	4.026533	4.106163	3.999746
GNB1	ENSG0000	0.13157	8.256799	4.856055	0.000137	0.000975	0.282271	8.67413	8.694712	8.658753	8.700225	8.754632	8.704438	8.793979	8.791794	8.782091	7.752661	7.692864	7.761952	7.77754	7.773737	7.746796	7.926591	7.842802	7.885408
HOXA9	ENSG0000	-0.05198	-0.82059	-0.31089	0.75956	0.831761	-5.87656	3.572735	3.647938	3.500214	3.605613	3.378481	3.498018	3.457463	3.619579	3.373665	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
EDN1	ENSG0000	-0.55422	4.72958	-2.9664	0.008462	0.025475	-3.39589	5.814934	5.507143	5.547119	4.562385	4.301803	4.592471	4.6145	4.511753	4.606245	4.710546	4.55159	4.665597	4.888451	4.820936	4.866948	4.458278	4.629187	4.510131
MLLT10	ENSG0000	0.255627	4.791809	4.303671	0.000454	0.002497	-0.5156	4.798758	4.724521	4.844488	5.213737	5.235346	5.265117	4.96291	5.241941	5.202407	4.408616	4.570022	4.527922	4.695993	4.746531	4.810905	4.63373	4.641102	4.698895
ZCWPW1	ENSG0000	-0.71942	1.031648	-4.64127	0.000218	0.001388	0.709884	1.791852	1.374745	1.62731	0.841981	1.006428	0.563119	0.670238	0.915275	1.171446	2.605258	2.701418	2.806521	1.935792	1.897007	2.23906	2.229352	2.212266	2.326628
NRDC	ENSG0000	0.337141	7.241941	4.067888	0.000761	0.003753	-1.35694	7.398972	7.382044	7.294813	8.143544	8.044339	8.163797	7.919429	7.955735	7.860147	6.600965	6.647957	6.609739	6.725177	6.836498	6.814638	6.749792	6.694287	6.705246
VDAC3	ENSG0000	0.271524	6.899653	5.507255	3.48E-05	0.000335	1.760431	6.841296	6.922552	6.865312	6.79243	6.695318	6.746863	7.207231	7.290763	7.267189	6.781058	6.815678	6.831992	6.782638	6.815972	6.811468	6.984474	6.949559	7.017676
PCM1	ENSG0000	-0.27583	6.07013	-4.25342	0.000507	0.002729	-0.82487	6.411038	6.444632	6.463319	6.638531	6.642445	6.733338	5.958837	5.954347	5.983548	5.694953	5.862677	5.776944	6.011444	5.993658	6.005955	5.664076	5.686391	5.745073
TNRC6C	ENSG0000	0.98802	2.731254	5.058282	8.93E-05	0.000695	1.511438	2.27083	2.356396	2.446827	3.727576	3.796595	3.765857	3.976929	3.535768	3.668646	2.444376	2.531245	2.30059	2.738794	2.901116	2.647333	2.744769	2.934355	2.464474
CBFA2T2	ENSG0000	-0.14592	4.413571	-1.61032	0.12524	0.212838	-5.80758	4.2778	4.094678	4.080323	4.619522	4.7142	4.685302	3.828023	3.749274	3.935772	4.663802	4.86395	4.548836	4.91976	4.965115	4.888167	4.752597	4.49993	4.632189
ITCH	ENSG0000	0.021395	7.034716	0.558117	0.583844	0.689721	-7.35081	6.693532	6.647398	6.65591	6.605325	6.461589	6.548001	6.792347	6.814177	6.735283	7.545633	7.557162	7.531079	7.234929	7.262566	7.26459	7.455237	7.461718	7.569966
TP53INP2	ENSG0000	0.182584	5.162321	1.020882	0.321234	0.440826	-6.61373	4.595114	4.47956	4.636889	6.61238	6.568199	6.642197	5.043928	5.160337	5.22526	4.782995	4.799799	4.803754	5.516163	5.558335	5.538404	4.545014	4.656838	4.577525
SDF4	ENSG0000	0.163284	7.671256	2.478756	0.023644	0.057518	-4.75312	7.684815	7.725989	7.741993	8.451032	8.541954	8.419525	7.75814	7.766475	7.872505	7.101508	7.06606	7.191529	7.669045	7.585747	7.569094	7.420248	7.420256	7.233943
TOLLIP	ENSG0000	0.202166	5.952434	3.519747	0.002538	0.00982	-2.43357	5.761547	5.718121	5.69823	6.252583	6.289573	6.140024	6.079044	6.085402	6.11662	5.884069	5.778001	5.883102	6.086587	6.018303	6.078955	5.998026	5.883166	5.826176
UBE2D4	ENSG0000	-0.31679	4.46479	-3.74433	0.00155	0.006625	-1.70708	5.132445	5.073976	5.079193	4.112999	4.139571	4.279122	4.877071	4.894793	4.895553	4.762664	4.529155	4.679211	4.257146	3.970091	4.109334	4.349322	4.2788	4.177341
THOC1	ENSG0000	-0.2173	4.971504	-2.97342	0.008335	0.025152	-3.47413	5.034569	5.218099	5.258094	4.612502	4.335505	4.639633	4.659269	4.753535	4.776822	5.382723	5.240494	5.381764	5.109264	5.068687	5.060955	5.228777	5.31213	5.274758

FKBP7	ENSG0000	0.378386	2.925189	2.461136	0.024516	0.059094	-3.96624	2.483604	2.308123	2.5366	3.674639	3.560502	3.548316	3.072345	2.960209	3.306673	3.134522	3.055486	2.974933	3.395624	3.152313	3.462206	2.979529	3.104657	3.387478
OSBPL6	ENSG0000	0.044212	3.159513	0.208033	0.837608	0.889439	-6.59428	4.158957	4.136747	4.138828	4.199863	3.796595	4.271657	4.479546	4.436718	4.372382	2.427256	2.303453	2.638296	2.852992	3.263212	2.544166	1.970607	2.410923	2.003758
XRCC5	ENSG0000	-0.14879	9.139024	-4.96406	0.000109	0.000811	0.443858	9.08942	9.101528	9.043142	8.960773	8.869443	8.939904	8.936062	8.997025	8.890075	9.405781	9.362122	9.361898	9.284732	9.328825	9.325264	9.206724	9.229529	9.218084
LXN	ENSG0000	-0.01965	4.3431	-0.23895	0.813922	0.872396	-6.84028	5.496078	5.407565	5.443586	5.932924	6.147385	5.979739	5.527156	5.339915	5.581106	3.206534	2.946841	3.187996	3.563615	3.745389	3.586098	3.063688	2.972579	2.880366
SP140	ENSG0000	-0.89527	0.096584	-2.58594	0.01894	0.048189	-3.28358	1.959273	2.068355	1.921989	1.104644	0.512209	0.2349	1.317361	1.85606	2.005764	1.352446	1.588084	1.653508	0.945898	0.416769	0.470356	0.884806	0.816175	0.659518
MKNK1	ENSG0000	0.096236	4.363617	0.665086	0.514677	0.62958	-6.8039	4.776503	4.649014	4.611291	4.350907	4.439897	4.434292	4.7858	4.866483	4.962367	4.026306	3.958911	4.071539	4.612964	4.565575	4.610269	3.994729	4.041704	4.094818
REXO1	ENSG0000	-0.14167	5.178793	-1.78438	0.091732	0.166841	-5.72991	5.282121	5.253581	5.396406	4.626508	4.905853	4.745826	5.082792	4.911516	4.929347	5.387157	5.409689	5.636065	5.331496	5.361637	5.287753	5.647126	5.384796	5.383047
SAR1A	ENSG0000	0.051982	7.050268	0.744072	0.466719	0.58654	-7.19267	7.514414	7.518237	7.424673	7.578538	7.483139	7.597553	7.666994	7.678836	7.671684	6.679883	6.724002	6.779872	6.309353	6.360876	6.225486	6.638423	6.619973	6.649721
CDC14A	ENSG0000	-0.09084	2.640661	-0.92948	0.365299	0.487122	-6.24293	2.867343	2.655462	2.5366	2.518519	2.193078	2.455733	2.724622	2.676938	2.697131	3.186323	3.126946	3.254982	3.100071	3.301515	3.075009	2.968656	3.022017	3.254409
RAPGEF3	ENSG0000	-0.01927	3.633143	-0.11016	0.913538	0.942795	-6.93489	4.186225	3.991467	4.242513	3.123142	3.053471	3.016392	3.423261	3.633086	3.254305	3.901688	3.836353	3.641797	4.002038	3.896925	3.945482	4.21775	4.151298	4.044405
CEACAM1	ENSG0000	-0.29267	4.584814	-5.28504	5.54E-05	0.000476	1.493622	3.87042	3.863696	3.81026	3.041869	3.225109	3.168853	3.66196	3.415864	3.783962	6.025878	6.021117	6.032707	5.576346	5.670512	5.633019	5.682493	5.784554	5.736026
SENP1	ENSG0000	0.084971	5.323662	1.883582	0.07637	0.144994	-5.58525	5.572986	5.564777	5.446484	5.222985	5.1432	4.979151	5.527156	5.623184	5.54523	5.373815	5.411735	5.413061	5.005325	5.085249	5.012085	5.461813	5.502682	5.605504
CIC	ENSG0000	0.096773	6.03589	1.8823	0.076553	0.145225	-5.65584	5.926267	5.971588	6.18657	6.502759	6.539568	6.515184	6.100847	6.027768	6.185827	5.593087	5.726347	5.769327	6.242349	6.235415	6.119251	5.835464	5.876461	5.706224
LIPE	ENSG0000	0.097275	-0.42886	0.581538	0.568303	0.67752	-6.38222	0.216396	0.316291	0.106501	0.106501	0.106501	0.106501	0.269385	0.253663	0.106501	3.024981	2.841532	2.902498	2.770846	2.671787	2.399663	2.855159	3.287607	2.81313
FDFT1	ENSG0000	-0.46324	6.397461	-13.2706	1.47E-10	2.58E-08	14.47405	6.859408	6.89115	6.831347	6.371699	6.432686	6.3209	6.378072	6.389876	6.357005	6.627441	6.562166	6.648318	6.119114	6.031182	6.125647	6.222865	6.178517	6.12886
PAFAH1B3	ENSG0000	-0.129	5.117252	-1.6851	0.10974	0.192199	-5.87043	4.925527	4.751848	4.892035	4.555081	4.928114	4.751204	4.986526	4.482206	4.813478	5.540318	5.463921	5.560106	5.786914	5.606937	5.696257	5.394346	5.467424	5.299535
OPHN1	ENSG0000	-0.06437	3.296859	-0.50972	0.616621	0.717592	-6.68199	3.27548	3.07157	3.309643	3.083078	3.151334	3.152687	3.219115	3.141256	3.023464	3.560679	3.478738	3.549937	4.135224	4.1851	4.124741	3.374993	3.32748	3.856822
KIF22	ENSG0000	-0.1677	6.004982	-1.32367	0.202665	0.308327	-6.49031	6.778853	6.69393	6.695428	6.266066	6.411116	6.172458	6.610516	6.487911	6.584368	6.143238	5.942657	6.044325	4.709837	4.743056	4.677975	5.881119	5.919494	5.798197
CARMIL1	ENSG0000	-0.18325	3.881439	-1.83413	0.083719	0.155585	-5.41664	3.765853	3.516026	3.638424	3.472378	3.34578	3.016392	3.238915	3.214961	3.044176	4.557665	4.555295	4.463295	4.848959	4.797675	4.938437	4.46216	4.437531	4.504815
PGM1	ENSG0000	0.449977	5.567407	4.202086	0.000567	0.00298	-0.881	5.343965	5.227863	5.290713	6.13993	6.051781	6.176461	5.574674	5.733887	5.677057	5.1779	5.355466	5.29777	5.44345	5.544428	5.465657	5.764939	5.793479	5.726921
DDX1	ENSG0000	-0.19686	7.738825	-6.91446	2.15E-06	3.97E-05	4.560523	8.23824	8.275148	8.225936	7.904419	7.874911	7.921757	8.037183	8.071868	8.0144	7.602983	7.5567	7.564839	7.337477	7.303837	7.334167	7.389495	7.393503	7.381211
DNM2	ENSG0000	0.112013	7.199063	1.729697	0.101304	0.180743	-6.06577	6.970429	6.908455	7.006522	6.975918	7.090245	6.873095	7.324218	7.213075	7.294459	7.481767	7.442795	7.548985	7.185252	7.05823	7.104802	7.455724	7.409846	7.423387
EPB41L2	ENSG0000	-0.13383	0.827215	-0.37871	0.709468	0.793852	-5.90674	5.367978	5.349122	5.328907	5.312338	5.313527	5.363212	4.96291	5.160337	5.2343	0.106501	0.185134	0.106501	0.234608	0.190544	0.186984	0.183756	0.19538	0.409347
MOXD1	ENSG0000	0.427045	0.632069	2.086437	0.051882	0.106739	-4.325	0.503316	0.582935	0.756332	1.326771	1.087782	1.055701	0.415731	0.387194	0.515351	2.01088	1.945166	2.120715	2.579013	2.581279	2.513282	2.679583	2.601856	2.350536
STX7	ENSG0000	-0.00602	4.401231	-0.06046	0.952474	0.969145	-7.01979	4.574623	4.706012	4.781616	4.720913	4.982309	4.745826	4.552561	4.504423	4.467457	3.901688	4.14254	3.92383	4.682014	4.693507	4.691833	4.057652	4.151298	4.216898
RABL2B	ENSG0000	-0.50388	4.416638	-3.40789	0.003244	0.011908	-2.42227	4.816318	4.843609	4.840087	4.092964	3.867423	4.096805	4.045989	4.050434	4.011347	4.782995	4.602618	4.606974	4.989521	4.988782	4.964358	4.293774	4.423801	4.45054
KEAP1	ENSG0000	0.010859	6.408548	0.171529	0.865778	0.909914	-7.39832	7.168012	7.121599	7.171496	6.426761	6.555743	6.518342	7.112476	7.199521	7.12131	6.023031	5.929869	6.020994	5.78168	5.727893	5.74193	6.03498	6.053325	5.983532
DDX43	ENSG0000	-0.41993	-0.66457	-4.07237	0.000754	0.003725	-0.57397	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.265521	3.313538	3.532043	3.057395	3.077028	2.99902	2.935534	2.841019	2.990979
PTPRH	ENSG0000	-0.52651	4.241689	-6.96213	1.97E-06	3.70E-05	5.102505	5.741006	5.488312	5.503257	5.16659	4.992907	5.024275	5.099133	5.048863	5.179186	3.818776	3.919204	3.829308	3.181815	3.065945	3.116699	3.254827	3.32748	3.31642
SLC35C2	ENSG0000	-0.02034	6.490441	-0.47715	0.639169	0.737201	-7.31836	6.374462	6.347962	6.340946	6.4407	6.495526	6.566424	6.351036	6.387886	6.437493	6.508349	6.574087	6.530843	6.85793	6.714052	6.775317	6.470338	6.422408	6.53051
CRYBG3	ENSG0000	-0.05004	4.789645	-0.50235	0.621689	0.722009	-7.04294	4.484137	4.50655	4.636889	4.96641	4.877535	4.951383	4.384974	4.569092	4.339245	5.120474	5.23819	5.003104	4.873768	5.006281	4.932613	5.039116	5.030462	5.223892
EPHA6	ENSG0000	-0.32672	0.320316	-1.07959	0.294996	0.413546	-5.49812	1.561356	1.551021	1.706811	1.326771	1.2379	1.367251	1.317361	1.301009	0.515351	1.028404	1.152172	0.76743	1.154653	1.393161	1.129895	0.974502	1.118494	1.322858
RFX3	ENSG0000	-0.0144	2.560066	-0.13052	0.897649	0.931731	-6.71055	1.959273	1.780637	1.987129	2.359902	2.333126	2.697781	1.762502	1.367163	1.777424	3.576295	3.5985	3.373604	4.037603	4.005327	3.880413	3.678389	3.431768	3.621636
RIF1	ENSG0000	-0.03766	6.931078	-0.80097	0.433905	0.555116	-7.16814	6.995695	6.898301	6.968719	6.576757	6.618689	6.670859	6.912793	6.968652	6.927299	7.289697	7.310924	7.210405	6.602898	6.725543	6.668992	7.230748	7.212363	7.192379
RAB21	ENSG0000	0.186148	6.159543	3.463383	0.002873	0.010867	-2.5629	6.332364	6.390602	6.37633	6.8048	6.725819	6.782758	6.53044	6.696885	6.644947	5.735507	5.691415	5.690855	5.722816	5.850833	5.866291	5.848869	5.768349	5.802537
SLC4A4	ENSG0000	-0.3105	1.613725	-2.00728	0.060439	0.120565	-4.66769	0.742531	1.173893	0.898566	1.393812	1.612488	1.575618	1.459147	1.082132	1.01237	3.145032	3.232543	3.125724	3.108457	3.487446	3.509921	2.719047	2.784842	2.687355
SMARCA2	ENSG0000	0.196475	4.882615	1.960751	0.066044	0.129277	-5.2865	4.825019	4.872944	4.966609	5.938549	5.726197	5.852905	5.213624	5.368459	5.283036	4.412971	4.403231	4.518865	4.728999	4.760348	4.742646	4.365992	4.428393	4.428245
SESN1	ENSG0000	-0.33133	3.703152	-3.11415	0.006152	0.019901	-2.73212	5.446195	5.331118	5.396406	4.88719	4.807214	4.751204	5.038289	4.917048	4.934903	2.843296	2.741	2.522234	2.638129	2.770668	2.416453	2.652661	2.649824	2.687355
MID2	ENSG0000	-0.10069	0.436744	-0.71592	0.483495	0.602065	-6.25614	0.216396	0.316291	0.219246	0.635873	0.389229	0.563119	0.269385	0.253663	0.39151	3.145032	2.946841	3.218152	3.416036	3.152313	3.396027	2.957699	2.813204	3.121769
SRCAP	ENSG0000	0.075123	2.955815	0.631581	0.535834	0.648199	-6.47805	3.236881	2.982098	3.309643	3.273122	3.093416	3.26222	3.352323	3.122225	3.513908	2.990428	3.175905	2.86487	3.18974	2.913535	3.206318	3.200096	2.680939	3.121769
PUM3	ENSG0000	-0.37854	6.91467	-3.00014	0.00787	0.023986	-3.68734	7.03466	7.083567	7.020203	5.704425	5.791399	5.770552	6.341911	6.385893	6.495043	7.589098	7.535284	7.623405	7.390015	7.36559	7.35772	7.388475	7.402282	7.431116
CNOT4	ENSG0000	0.341038	4.893873	5.40266	4.33E-05	0.000397	1.814603	5.015692	5.116644	5.002498	5.041505	4.966263	4.992837	5.356409	5.400404	5.515873	4.525848	4.51019	4.640764	4.739835	4.817636	4.788509	4.790139	4.867593	4.906683
PSEN1	ENSG0000	0.216609	6.704412	3.714353	0.001655	0.006953	-2.11363	6.194805	6.022963	6.069258	6.585745	6.484302	6.566424	6.404611	6.363784	6.57728	6.797807	6.853036	6.861548	7.45393	7.426433	7.41419	6.940632	6.938337	6.991305
CPOX	ENSG0000	-0.0002	4.624075	-0.00117	0.999077	0.999288	-7.11725	4.625314	4.564207	4.569365	5.132645	5.199191	5.183924	4.583863	4.59693	4.520155	4.809665	4.732663	4.869357	4.272153	4.127629	4.150058	4.847651	4.769683	4.771534
CLDND1	ENSG0000	-0.1457	5.9571	-2.03339	0.057485	0.115775	-5.42399	5.85584	5.942235	5.882858	6.044055	5.927456	5.956646	5.904087	5.868449	5.745052	6.328695	6.272527	6.227819	5.82303	5.884342	5.822871	6.038884	6.056295	6.077854
MOK	ENSG0000	0.053461	4.616499	0.184463	0.855774	0.902673	-7.02557	5.786261	5.668796	5.722344	4.759555	4.675247	4.633822	5.784566	5.689327	5.81602	3.651939	3.612795	3.674791	4.580176	4.525683	4.56581	3.7814	3.675254	3.761956
HSP90AA1	ENSG0000	0.306973	11.31398	6.512527	4.64E-06	7.07E-05	3.556739	10.90593	10.88501	10.84235	11.23486	11.11353	11.19428	11.23365	11.3095	11.20795	11.49523	11.45103	11.39313	11.40785	11.45359	11.45115	11.65993	11.66234	11.76111
RBL1	ENSG0000	-0.10344	4.35731	-0.41769	0.68126	0.771323	-7.00994	4.909255	4.796272	4.76778	4.626508	4.739596	4.55606	4.330652	4.533523	4.626988	4.877414	4.908086	4.737631	2.842976	2.962168	2.976553	4.999601	4.780497	4.958165
DLGAP4	ENSG0000	-0.30073	6.391478	-2.13519	0.047175	0.099058	-5.27218	7.016734	6.897281	7.074604	6.512219	6.741617	6.608517	6.247331	6.100066	6.359073	5.8825	5.935567	6.085804	6.573669	6.491907	6.523535	6.071011	6.153779	6.099179
NDC80	ENSG0000	-0.08789	3.012965	-0.51689	0.611712	0.713214	-6.63259	4.02189	3.952741	3.783005	3.020814	2.686486	3.27721	3.841036	3.809996	3.913431	3.496465	3.447177	3.658388	1.446877	1.846087	1.610309	3.298901	3.603991	3.398988
AP4E1	ENSG0000	-0.12666	5.235195	-1.8394	0.082906	0.154437	-5.60175	5.675165	5.675946	5.68602	5.464331	5.48099	5.619944	5.81126	5.730749	5.667077	5.066207	5.270107	5.121514	4.750591	4.679032	4.719156	4.862412	4.736746	4.950363
RSBN1	ENSG0000	-0.08209	3.674572	-1.15619	0.263165	0.379033	-6.26198	3.701161	3.450822	3.586821	3.51817	3.47236	3.306732	3.602068	3.40015	3.453254	4.092963	4.112675	4.021115	4.093589	4.132949	4.27038	4.103106	4.017531	3.87342
MAGI3	ENSG0000	-0.12883	3.837349	-0.48145	0.636169	0.734845	-6.85233	2.668993	2.693541	2.492412	4.487626	4.43213	4.493254	3.050103	2.848856	2.959482	4.839091	4.908086	4.581101	4.524863	4.53375	4.398437	4.382472	4.428393	4.551975
CXCL2	ENSG0000	0.5167	3.8672	1.785829	0.091488	0.166441	-5.06517	7.170574	7.157802	7.181097	5.112883	4.933626	5.00189	7.818598	7.726868	7.838819	1.891119	1.967585	1.986992	1.548989	1.393161	1.355599	1.542275	1.581179	1.844513
COL4A4	ENSG0000	0.532832	2.044895	1.356842	0.192098	0.295598	-5.36653	2.392887	2.448351	2.274882	3.977507	4.204846	4.256608	3.004565	2.650616	2.937508	0.934589	0.89579	0.846782	3.773284	3.629721	3.773698	0.930351	1.072305	1.461048
TCF7	ENSG0000	0.98146	1.531335	5.008713	9.92E-05	0.000753	1.499862	1.642349	1.915637	1.667608	2.887595	2.633282	2.741673	2.545421	2.481727	2.501332	1.239286	1.403073	1.585733	1.573426	1.738515	1.390007	1.992244	2.006592	2.14716
OSTM1	ENSG0000	0.812853	5.278799	5.792671	1.94E-05	0.000212	2.65046	5.246942	5.430295	5.325763	6.826196	6.688814	6.663747	6.52843	6.517343	6.427674	4.217694	4.228596	4.249986	4.750591	4.668079	4.752597	4.469892	4.49993	4.365096
CDH7	ENSG0000	0.878894	0.175173	3.621781	0.002029	0.008168	-1.23092	4.321496	4.553894	4.453135	6.041444	5.8095	6.020397	5.310366	5.241941	5.416114	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
PCNP	ENSG0000	0.183297	7.067994	5.480663	3.68E-05	0.00035	1.68619	6.906282	6.844314	6.856623	6.902998	6.869341	6.853225	7.108446	7.132154	7.123745	7.234174	7.168802	7.18391	7.058439	7.079741	7.149424	7.288181	7.360251	7.304492
EXD2	ENSG0000	0.365693	4.714367	6.123034	9.97E-06	0.000128	3.302336	4.271448	4.14364	4.102541	4.569652	4.580048	4.549901	4.384974	4.256466	4.270596	4.803043	4.887657	4.781207	5.458289	5.591562	5.420597	5.258097	5.334317	5.252725
ARG2	ENSG0000	0.778573	-0.11883	2.977459	0.008263	0.024966	-2.51598	0.41387	0.499412	0.829201	0.742604	0.828511	0.657796	1.160105	1.082132	1.314712	1.158593	0.748206	1.49011	1.186687	1.077171	1.08859	1.45147	1.289746	1.115245
MEF2C	ENSG0000	0.041428	3.708394	0.144685	0.886615	0.924486	-6.73126	4.522086	4.468622	4.339244	4.797189	4.726954	4.604407	5.082792	5.018308	5.005251	3.113269	3.044983	2.93917	3.730461	3.599295	3.81227	2.115663	2.233409	2.200755
UBA5	ENSG0000	-0.0335	5.221179	-0.40662	0.68922	0.777734	-7.1576	5.256622	5.303682	5.396406	5.540275	5.431202	5.408166	5.360933	5.306587	5.367637	5.309864	5.342658	5.292465	4.831335	4.919664	4.950015	5.139487	5.304658	5.236778
STK17B	ENSG0000	-0.17464	4.805656	-0.89569	0.382591	0.50428	-6.72055	4.09565	4.12286	3.987862	5.626427	5.582723	5.669075	4.31208	4.45204	4.05282	5.109782	5.12057	5.251133	5.210117	5.379652	5.269387	4.681127	4.714363	4.882289
CDC14B	ENSG0000	0.274055	6.206207	1.416225	0.174285	0.274656	-6.39195	6.155679	6.258705	6.280513	6.01507	6.031362	6.129738	6.895745	6.914374	6.8906	5.821561	5.892276	5.862963	6.560741	6.473152	6.552305	5.783672	5.735381	5.832557
ZNF510	ENSG0000	0.507198	3.996347	4.754631	0.000171	0.001156	0.588607	3.84498	3.657602	3.565652	4.112999	3.656958	4.036412	4.411387	4.230044	4.3476	3.702624	4.013804	3.867863	4.437701	4.509412	4.468538	4.161567	4.328771	4.249053
LRP2	ENSG0000	-0.59112	-1.71457	-2.23294	0.038894	0.085004	-3.91864	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.100009	2.249583	1.333627	1.218025	1.528499	1.488568	1.13872	1.118494	1.504318
ZNF506	ENSG0000	-0.16611	-0.00097	-2.18102	0.04311	0.092333	-4.68718	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.355303	4.427694	4.249986	4.420966	4.67539	4.394205	4.083081	4.227036	4.129778
JMJD4	ENSG0000	0.198353	5.507437	3.735038	0.001582	0.006731	-1.87429	5.694285	5.713495	5.643717	6.025677	6.108926	6.000211	5.907184	5.935393	5.822029	4.933056	4.950911	5.158919	5.490727	5.436694	5.323798	5.244639	5.279468	5.070394
DUSP12	ENSG0000	0.001073	5.21327	0.017901	0.98592	0.99086	-7.27764	5.163648	5.234335	5.16263	4.815644	4.635214	4.803913	5.300979	5.174263	5.355259	5.491736	5.533197	5.55125	5.284162	5.317927	5.330457	5.580838	5.375316	5.453733
AACS	ENSG0000	0.200718	5.795967	1.589893	0.129783	0.218732	-6.07828	5.745596	5.82919	5.925027	6.450574	6.428788	6.530904	5.850398	6.048077	5.897954	5.569872	5.448064	5.509184	5.450064	5.354823	5.424752	5.805224	5.739082	5.81333
DELE1	ENSG0000	0.037347	5.92113	0.55981	0.582713	0.688762	-7.14747	6.514168	6.535229	6.566826	6.554953	6.566426	6.538701	6.589465	6.641157	6.582599	5.272006	5.305739	5.093319	5.514586	5.510085	5.598492	5.117505	5.289597	5.274758
CADPS2	ENSG0000	0.529264	4.375127	4.138681	0.000652	0.003314	-0.73485	4.579773	4.336476	4.515184	5.598277	5.270617	5.431804	5.213624	5.388507	5.308941	3.659289	3.805572	3.722908	3.932895	4.005327	4.01878	3.812139	3.743163	3.823043
PCDHGA2	ENSG0000	0.658564	2.58919	5.500149	3.54E-05	0.000339	2.105256	0.667115	0.316291	0.323815	1.688986	1.437317	0.830331	1.317361	1.491012	1.171446	5.060666	4.97047	4.938912	5.776427	5.842738	5.847842	5.577264	5.51784	5.491856
HSPB11	ENSG0000	-0.39085	4.450581	-7.44994	7.99E-07	1.79E-05	5.921086	5.045778	5.081176	4.904734	4.440838	4.462952	4.308605	4.673889	4.569092	4.6676	4.581075	4.709571	4.673781	4.151547	4.190213	4.035179	4.332457	4.25315	4.255399
PHLPP1	ENSG0000	-0.44523	4.628171	-7.84085	3.98E-07	1.04E-05	6.569597	3.738482	3.838426	3.745844	4.122913	4.030628	4.279122	3.296733	3.535768	3.406029	5.593087	5.5776	5.52284	6.204712	6.200368	6.196617	5.18717	5.143675	5.011626
ATP8B1	ENSG0000	-0.26768	3.539645	-2.45552	0.024801	0.059668	-4.40052	2.296082	2.37994	1.62731	2.457149	2.787348	2.481849	1.648695	1.549165	1.38134	5.59692	5.601093	5.605019	5.423425	5.432385	5.530714	5.388239	5.319564	5.475641
SMARCD3	ENSG0000	1.153302	2.578762	8.812694	7.63E-08	3.01E-06	8.168363	3.682132	3.638208	3.607684	5.156973	5.367468	5.151751	4.709802	4.709588	4.700591	0.781331	0.89579	0.846782	2.25569	2.127698	2.014873	1.627702	1.368306	1.461048
WDR70	ENSG0000	-0.33272	4.948524	-3.48959	0.002712	0.010373	-2.39651	4.69816	4.733688	4.600923	4.103016	4.091068	4.154771	4.090259	4.157125	4.270596	5.694953	5.691415	5.660978	5.936886	5.953629	5.846294	5.388239	5.507029	5.45649
FYB1	ENSG0000	0.02836	2.346438	0.28419	0.779604	0.845754	-7.00258	1.519087	1.374745	1.256574	0.635873	1.164793	0.563119	0.782422	0.915275	0.833554	4.871097	4.884715	4.842989	4.577158	4.671739	4.842308	4.882828	4.962447	5.077574
STRADB	ENSG0000	2.555	4.382554	20.56642	1.08E-13	1.30E-10	20.75841	3.288121	3.568199	3.334887	6.05186	5.913577	5.97515	6.017329	6.121786	6.145661	2.320032	2.405511	2.485514	4.808355	4.732581	4.660464	4.357681	4.38181	4.261717
BZW1	ENSG0000	0.280417	8.850957	2.453906	0.024883	0.059785	-4.89516	8.807149	8.840253	8.761527	9.37788	9.244086	9.319044	9.290196	9.334583	9.2632	8.699112	8.685095	8.666354	8.222057	8.315678	8.296562	8.706774	8.713644	8.834172
ME2	ENSG0000	-0.24789	5.794124	-3.78782	0.001408	0.006146	-1.81456	6.534203	6.519415	6.497256	5.932924	5.96831	6.033699	6.23506	6.239047	6.155213	5.520274	5.508563	5.464284	5.363378	5.412836	5.443303	5.308556	5.319564	5.341895
C5orf22	ENSG0000	-0.04084	5.793717	-0.79225	0.438837	0.559967	-7.02311	5.784032	5.827051	5.774017	5.821673	5.624218	5.735705	5.991301	5.730749	5.657027	5.849142	5.843106	5.91452	5.94861	5.943067	5.903984	5.809801	5.779172	5.830433
CCNT2	ENSG0000	-0.16584	5.113873	-2.8937	0.009888	0.028831	-3.62145	5.266237	5.285098	5.372225	5.222985	5.221894	5.345543	5.253102	5.310795	5.179186	5.195703	5.191334	5.039448	5.07758	4.982902	5.171406	4.826728	4.850589	5.026544
FAM135A	ENSG0000	0.303634	4.019218	2.976511	0.00828	0.025006	-3.22327	3.623492	3.812706	3.443319	4.384261	4.42432	4.499659	3.774765	3.798055	3.771595	4.146251	4.097507	3.843887	4.457531	4.363157	4.468538	4.46216	4.2788	4.347382
EPB41L3	ENSG0000	1.187008	2.619201	3.580316	0.002222	0.008783	-1.31789	8.804952	8.832008	8.820243	10.02908	9.894171	9.917543	10.06585	10.00381	10.02478	0.106501	0.185134	0.106501	0.294634	0.190544	0.106501	0.106501	0.106501	0.106501
COBLL1	ENSG0000	-0.22084	4.238086	-1.37921	0.185223	0.287355	-6.09612	4.044416	3.863696	4.174224	4.510463	4.455308	4.78306	3.80164	3.967564	3.913431	4.86157	4.692848	4.635187	4.046359	4.412116	4.20424	4.398766	4.517274	4.422617
DLG3	ENSG0000	-0.56801	5.267042	-4.25822	0.000502	0.002706	-0.78941	5.32262	5.25994	5.328907	4.041626	3.99943	4.146631	4.174919	3.82184	3.856018	6.387415	6.493335	6.343484	6.006965	5.952125	6.025238	6.177547	6.217503	6.123666
KCNK2	ENSG0000	1.47451	2.969258	2.907787	0.009595	0.028149	-2.98083	2.19231	2.009193	2.166567	5.396478	5.415531	5.425089	4.302704	4.421231	4.339245	2.574485	2.485369	2.756026	2.439743	2.549802	2.382676	2.35157	2.429363	2.091498
SERTAD4	ENSG0000	-0.11943	5.531402	-1.42756	0.171041	0.270682	-6.30548	6.315484	6.056225	6.144358	5.232173	5.099733	5.106307	5.708501	5.848324	5.912107	5.550237	5.604673	5.498474	5.132064	5.029288	5.009321	5.609121	5.621715	5.682873
TRAF5	ENSG0000	0.086254	3.242265	0.821638	0.42235	0.54385	-6.43825	3.738482	3.695626	3.522358	3.181227	3.112982	3.292047	3.523527	3.564249	3.498982	3.08079	3.406729	3.195594	3.381853	3.193633	3.361763	3.581796	3.431768	3.31642
MRPL22	ENSG0000	-0.1739	5.222797	-2.33063	0.031978	0.072828	-4.7578	6.061262	5.965765	5.874275	5.117849	5.029402	5.050687	5.847177	5.848324	5.709835	5.088159	5.05665	5.221665	4.63635	4.743056	4.639165	4.96719	4.962447	4.938581
GEMIN5	ENSG0000	-0.27966	6.693457	-5.37828	4.56E-05	0.000412	1.503348	6.913439	6.950339	6.948417	6.538381	6.53232	6.566424	6.612415	6.584928	6.449188	6.991516	6.998261	6.939979	6.483058	6.393382	6.477276	6.86422	6.753115	6.746376
NFE2L1	ENSG0000	0.231129	8.569979	4.394265	0.000373	0.00213	-0.7431	8.961603	8.940147	8.93741	9.214506	9.267464	9.262023	9.063665	8.994084	9.02383	7.878057	7.842896	7.866801	8.136231	8.101386	8.102071	8.255233	8.257008	8.230789
GSK3B	ENSG0000	0.085091	6.779779	2.065493	0.054032	0.110239	-5.44344	7.234013	7.233258	7.176741	7.14842	6.999867	7.154564	7.294962	7.325495	7.321223	6.329847	6.385071	6.318473	6.372513	6.357472	6.390715	6.353992	6.415487	6.478568
ITGB5	ENSG0000	0.509951	7.968314	2.188768	0.042455	0.091219	-5.30582	8.281947	8.300044	8.305506	9.423716	9.530578	9.419368	8.5812	8.651175	8.606527	7.019632	6.967306	7.008984	6.822688	6.742175	6.756484	7.739762	7.705331	7.697784
ERC1	ENSG0000	0.016431	5.871635	0.23629	0.815954	0.873807	-7.21009	6.825124	6.844314	6.912188	7.343335	7.215443	7.40797	6.992225	6.997657	6.990026	4.86157	4.768219	4.679211	4.980412	4.804359	4.929692	4.522885	4.680124	4.551975
XPO1	ENSG0000	0.031817	7.715309	0.37043	0.715513	0.798609	-7.49041	7.338732	7.333883	7.306026	7.646265	7.531195	7.64816	7.376546	7.515237	7.343327	8.164606	8.127443	8.065962	7.807143	7.735339	7.763296	8.105998	8.088483	8.108177
RNF13	ENSG0000	0.62912	5.2946	11.68032	1.10E-09	1.20E-07	12.50268	4.85081	4.629503	4.777019	5.704425	5.63102	5.578188	5.494585	5.392484	5.512161	4.877414	5.024933	4.830842	5.79343	5.777993	5.80545	5.507606	5.398901	5.417409
PALB2	ENSG0000	-0.28228	4.9273	-3.5854	0.002198	0.0087	-2.15656	5.482394	5.208268	5.402389	4.502891	4.56592	4.518705	4.825625	4.987092	4.872576	5.162464	5.169742	5.202938	4.876225	4.78759	4.879111	5.085149	5.106916	4.938581
DOP1A	ENSG0000	0.040844	3.8743	0.389371	0.701705	0.787269	-6.90149	3.729242	3.647938	3.334887	3.661095	3.531716	3.75519	4.164604	3.550079	3.759121	4.103779	4.403231	4.083875	4.437701	4.472117	4.519937	4.021281	4.227036	4.157149
LYRM2	ENSG0000	0.55235	5.617652	8.663173	9.77E-08	3.59E-06	7.940526	5.578142	5.607787	5.489272	6.346536	6.214581	6.261836	6.300115	6.265306	6.291384	4.971948	4.953722	4.965822	5.456648	5.472807	5.578118	5.212738	5.419802	5.305663
BCKDHB	ENSG0000	0.076643	3.986838	0.829409	0.418057	0.539836	-6.51662	4.410898	4.548709	4.370098	4.87551	4.84865	4.740428	4.779054	4.459641	4.7071	3.512789	3.398501	3.290894	3.884887	3.846002	3.974116	3.366734	3.307681	3.241681
KAT6A	ENSG0000	-0.1793	6.515938	-3.72897	0.001603	0.006791	-2.08694	5.952311	6.004148	6.013674	5.650615	5.651233	5.660525	5.95585	5.940834	6.046494	7.423063	7.439791	7.306518	7.051388	7.100256	7.084592	7.105433	7.139333	7.084245
TUT7	ENSG0000	0.002316	5.316382	0.051683	0.959367	0.974161	-7.26044	4.871956	4.988492	5.090354	5.400559	5.338674	5.441817	4.938902	4.928048	5.015776	5.402569	5.471785	5.378429	5.925066	6.011098	5.870866	5.43836	5.438129	5.425873
ULK2	ENSG0000	-0.47178	4.031935	-5.39405	4.41E-05	0.000403	2.064252	5.840904	5.783578	5.724733	5.312338	5.484749	5.431804	5.29153	5.372491	5.238799	3.113269	3.146729	3.203153	2.466086	2.467968	2.675503	2.731965	2.813204	2.880366
GRHL2	ENSG0000	0.148544	1.309641	1.934731	0.069377	0.134204	-5.47741	0.106501	0.215206	0.323815	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	6.265076	6.189128	6.211047	6.779359	6.728182	6.754835	6.345611	6.438428	6.394816
TNPO1	ENSG0000	0.071003	8.657019	1.340769	0.197163	0.301664	-6.69903	9.428192	9.44438	9.496362	8.977944	9.008148	9.046277	9.623386	9.602375	9.569466	8.062272	8.051753	8.005106	7.809074	7.844355	7.830999	8.034153	7.999495	8.067734
PLOD1	ENSG0000	0.555808	7.77843	5.666715	2.51E-05	0.000256	2.054674	7.807323	7.767304	7.808831	8.712588	8.745651	8.690508	8.479286	8.305436	8.438242	7.018918	7.031229	7.047808	7.3009	7.249155	7.187824	7.546271	7.524174	7.483412
P2RX5	ENSG0000	1.451636	0.974718	4.741605	0.000176	0.001178	0.969155	2.27083	2.09705	1.954926	3.181227	3.378481	3.432575	3.539581	3.535768	3.668646	0.781331	0.748206	0.499259	0.656707	0.484926	0.593579	0.686723	0.637375	1.322858
ITGAE	ENSG0000	0.249547	3.512156	2.218079	0.040061	0.087138	-4.45023	4.538049	4.614695	4.671981	4.833866	4.764552	4.834637	4.812472	5.013152	4.934903	2.708071	2.753956	2.581432	2.162115	2.48471	2.433049	2.819293	2.649824	2.629903
DIS3	ENSG0000	0.045096	6.167868	1.139653	0.269809	0.386453	-6.74486	5.881091	6.065329	5.978065	6.105344	6.147385	6.135919	5.937792	6.063123	5.983548	6.290151	6.287085	6.314989	6.318418	6.388942	6.42845	6.408317	6.338302	6.322618
PIBF1	ENSG0000	-0.23717	3.816041	-3.06896	0.006784	0.021424	-3.01083	3.783815	3.768792	3.83701	3.605613	3.683372	3.838399	3.761137	3.431409	3.271973	4.13047	4.107636	4.205521	4.376523	4.513497	4.311352	3.98397	3.999132	3.961444
TDRD3	ENSG0000	-0.28683	3.732556	-3.13826	0.005839	0.019065	-2.77423	4.772011	4.733688	4.657046	4.171485	4.213935	4.146631	4.339849	4.489649	4.093134	3.411958	3.398501	3.495574	3.116795	3.152313	3.053703	3.462853	3.093137	3.509302
NUFIP1	ENSG0000	-0.26095	4.45405	-3.09868	0.006362	0.020375	-3.13833	4.579773	4.495815	4.621585	3.647423	3.832443	3.584921	4.235306	4.256466	4.252911	4.992463	5.048786	5.072837	4.693208	4.739573	4.869998	4.796302	4.79479	4.918728
PDS5B	ENSG0000	0.034835	5.056862	0.429094	0.673097	0.764452	-7.14046	4.569455	4.649014	4.840087	5.015132	4.998178	4.979151	4.877071	4.981823	4.962367	5.411303	5.557418	5.351474	5.14231	5.24855	5.269387	5.346849	5.271824	5.359675
OXCT1	ENSG0000	0.107667	5.082046	0.970737	0.344922	0.466059	-6.71948	5.246942	5.253581	5.105102	5.517909	5.48099	5.724812	5.282018	5.431657	5.396113	4.971948	4.978771	5.000938	4.53734	4.718494	4.577054	5.031299	4.993761	5.03025
RRAGB	ENSG0000	0.250196	3.123891	1.234713	0.23328	0.344526	-5.79855	4.654895	4.668265	4.763138	4.367681	4.301803	4.420855	5.026946	5.174263	4.978598	1.940223	2.155072	1.759838	2.371704	2.307842	2.312654	1.708352	1.878239	1.877799
CYLD	ENSG0000	0.15828	4.205263	1.6482	0.11717	0.202244	-5.64564	4.226185	4.15733	4.215584	4.759555	4.720591	4.942007	4.825625	4.59002	4.505294	3.87036	4.029873	3.955502	4.257146	4.255082	4.297823	3.799922	3.735773	4.014786
SLC27A5	ENSG0000	-0.03105	3.601233	-0.31912	0.753415	0.827363	-6.87599	3.562366	3.526613	3.419917	2.97776	3.31232	3.335661	3.788265	3.786013	3.832397	4.125171	4.029873	4.025385	3.850304	3.846002	3.996621	3.762638	3.910024	3.906054
ZNF324	ENSG0000	0.038783	3.67447	0.506059	0.619139	0.719692	-6.87658	2.917019	2.836538	2.758051	3.21869	2.835252	3.231764	3.072345	3.043491	3.340558	4.521821	4.394983	4.63239	4.795429	4.749998	4.72927	4.442647	4.547132	4.416967
ZNF671	ENSG0000	-0.18156	-0.92117	-1.08038	0.294654	0.41323	-5.7743	0.216396	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.100009	2.388995	2.34226	2.55467	2.770668	2.80865	2.283004	2.146913	2.091498
ZNF416	ENSG0000	-0.01722	3.728203	-0.22369	0.825593	0.880752	-7.01721	3.262728	3.382531	3.231147	2.933382	2.633282	2.94309	3.072345	3.002451	3.104585	4.588795	4.562677	4.595532	4.709837	4.732581	4.722535	4.67445	4.645052	4.582581
ZNF586	ENSG0000	0.277961	3.168526	3.946533	0.000994	0.004654	-1.11168	2.438959	2.403106	2.138168	2.325974	2.520598	2.605775	2.637802	2.981485	2.560038	4.109157	3.992097	4.100159	4.330668	4.215509	4.20424	4.262954	4.273707	4.305185
ZNF446	ENSG0000	-0.22901	3.349893	-2.40663	0.027408	0.064504	-4.20197	3.465529	3.526613	3.431666	3.441022	3.517104	3.27721	2.779728	3.122225	3.143496	3.673879	3.547323	3.561745	3.956313	3.903166	3.979775	3.623987	3.579432	3.328509
ZNF264	ENSG0000	-0.12382	4.678047	-1.82958	0.084424	0.156509	-5.58435	4.664623	4.594711	4.611291	3.999198	4.061165	3.982555	4.544628	4.569092	4.388669	5.1779	5.254237	5.153077	5.023176	4.991713	5.023089	5.17303	5.033479	5.03025
RPS5	ENSG0000	-0.04055	9.560872	-1.27958	0.217417	0.326274	-6.85687	9.459612	9.417968	9.436035	9.27188	9.360177	9.220215	9.441773	9.34077	9.403808	9.898845	9.760676	9.754809	9.693671	9.691277	9.682501	9.739109	9.770943	9.787474
FAT1	ENSG0000	-0.16766	8.340397	-1.51121	0.148604	0.242976	-6.42458	9.08422	9.19305	9.344423	9.549872	9.543253	9.965038	9.151487	9.050223	9.167626	7.483321	7.735131	7.219285	7.362233	7.338214	7.419926	7.214732	7.167068	7.242753

YTHDC1	ENSG0000	-0.00829	6.129654	-0.09375	0.926374	0.951355	-7.39723	5.891483	5.969649	5.963976	5.772136	5.803491	5.860389	6.062473	5.988901	6.033605	6.244453	6.305902	6.238893	6.655352	6.690792	6.64782	6.166884	6.198814	6.225761
CHMP2B	ENSG0000	-0.34226	5.859098	-6.69122	3.29E-06	5.41E-05	4.266228	5.910002	5.837717	5.799175	5.460427	5.239802	5.384134	5.319693	5.447033	5.325957	6.423477	6.358808	6.458476	6.17108	6.167044	6.121813	6.236527	6.12437	6.154551
SMAP2	ENSG0000	0.236074	5.141965	2.190563	0.042305	0.090994	-5.02655	4.381709	4.197635	4.288462	5.180897	5.114368	5.106307	4.920629	4.933517	4.866774	5.62347	5.53695	5.619214	5.519311	5.663177	5.579982	5.595049	5.633692	5.590523
PPIE	ENSG0000	-0.29017	5.420552	-3.58281	0.00221	0.008745	-2.25194	5.611213	5.656799	5.533555	4.803367	4.97698	4.864722	5.315037	5.281075	5.136423	5.8825	5.798468	5.730625	5.64136	5.67599	5.549863	5.486798	5.537098	5.722348
ZMPSTE24	ENSG0000	0.194668	7.04768	2.164876	0.044504	0.094635	-5.31047	6.736823	6.739008	6.767886	7.249167	7.197228	7.097645	7.254198	7.2508	7.220183	7.122934	7.146253	7.199582	6.90803	6.973285	6.94258	7.03356	7.101743	7.121198
STARD7	ENSG0000	0.118391	7.935311	3.781265	0.001429	0.006211	-2.06628	7.949378	8.07197	8.023942	7.905137	7.92558	7.892851	8.142767	8.196504	8.181468	7.900717	7.815349	7.880124	7.75835	7.779685	7.686215	7.965396	7.933606	7.936654
NOA1	ENSG0000	0.290147	4.990069	4.208717	0.000559	0.002943	-0.79248	4.744758	4.663476	4.616447	5.020445	4.922581	4.854763	5.099133	4.960553	4.929347	4.867929	4.866934	5.113515	5.522452	5.474904	5.378375	5.291204	5.243446	5.09537
REST	ENSG0000	-0.08287	5.34784	-1.28888	0.214239	0.322524	-6.45927	5.38573	5.331118	5.384366	4.881362	5.029402	4.992837	5.365443	5.481041	5.404147	5.77326	5.595705	5.580563	5.408221	5.434541	5.428895	5.469547	5.375316	5.598033
HAL	ENSG0000	-0.09832	0.591593	-0.27556	0.786118	0.850858	-6.17109	2.629805	2.232543	1.853768	0.258133	0.730585	0.746642	2.480375	2.290412	2.202855	1.352446	1.228418	1.562415	0.982856	1.077171	0.957066	1.177011	1.368306	1.115245
SSH1	ENSG0000	-0.11646	7.200666	-1.58947	0.12988	0.218868	-6.27364	7.976478	8.024676	8.081004	6.781518	6.924362	6.729256	7.818598	7.721346	7.662504	7.166144	7.112699	7.072262	6.445489	6.343771	6.42119	7.234157	7.193606	7.098434
GSTP1	ENSG0000	-0.09919	8.740451	-2.65507	0.016393	0.042952	-4.50386	8.80165	8.750813	8.776288	8.599981	8.696245	8.520615	8.725896	8.642854	8.706145	8.94071	8.79652	8.829077	8.79428	8.818241	8.758895	8.7196	8.734881	8.778254
APLP2	ENSG0000	1.536493	9.832527	8.660246	9.81E-08	3.59E-06	7.6371	8.613274	8.591038	8.560852	10.87079	10.77783	10.83108	10.73898	10.69872	10.75393	9.069227	8.967036	9.011258	9.887333	9.886109	9.889358	9.957981	9.949543	9.965906
FAM234B	ENSG0000	-0.13326	3.320599	-1.90987	0.072702	0.139287	-5.11848	3.551922	3.35903	3.322321	3.142765	2.991399	3.086148	3.352323	3.178579	3.181386	3.695491	3.824119	3.784665	3.557503	3.731427	3.593499	3.787601	3.587665	3.641153
WBP11	ENSG0000	-0.13239	6.907905	-2.76933	0.012885	0.035642	-4.15959	6.678008	6.718377	6.665891	6.030952	5.984333	6.135919	6.570057	6.581449	6.550385	7.601553	7.526816	7.584144	7.216137	7.193592	7.234727	7.444486	7.391741	7.471878
EIF3I	ENSG0000	-0.18452	8.328279	-4.1165	0.000684	0.003441	-1.36594	8.292964	8.33359	8.256395	7.895772	7.886325	7.901342	7.989768	8.030363	8.022251	8.694647	8.638697	8.6583	8.55085	8.538502	8.618806	8.596318	8.542889	8.546275
COL16A1	ENSG0000	-0.64368	1.517711	-2.01984	0.059002	0.118211	-4.34606	3.756787	3.768792	3.88052	3.041869	2.904251	2.885561	2.724622	2.981485	2.748518	1.028404	0.941811	0.594297	1.154653	1.282615	1.209118	1.419885	0.975239	0.999041
TXLNA	ENSG0000	-0.04107	7.345986	-0.71642	0.483199	0.601801	-7.25922	7.250254	7.225157	7.277829	7.430734	7.361638	7.415611	7.210995	7.202921	7.273781	7.524154	7.516399	7.506089	7.293104	7.257704	7.281299	7.430191	7.465074	7.469833
NCOA1	ENSG0000	0.134723	5.237994	2.678376	0.01561	0.041431	-4.04632	5.316463	5.384472	5.316288	5.884211	5.760718	5.857899	5.418495	5.484771	5.515873	4.724629	4.793538	4.737631	5.396285	5.430226	5.328241	4.777733	4.891066	4.99276
AGBL5	ENSG0000	-0.38065	5.706687	-3.28702	0.004225	0.01474	-2.87259	6.406698	6.36133	6.379366	5.988204	5.930216	5.880161	5.925627	6.040494	6.01011	5.419984	5.276856	5.448471	5.764537	5.606937	5.696257	4.980783	5.009167	5.130317
EFR3B	ENSG0000	1.019361	3.700423	5.787417	1.96E-05	0.000214	2.989051	5.623734	5.687786	5.547119	6.305774	6.056841	6.083584	6.725501	6.787247	6.743221	1.787595	1.827525	1.718241	1.858352	1.819936	1.639204	1.880661	1.581179	1.877799
KIF3C	ENSG0000	-1.0974	4.263636	-3.05946	0.006925	0.021741	-2.96556	6.441062	6.593033	6.556133	5.156973	5.199191	4.942007	4.980658	4.80814	4.801363	2.856146	3.023743	2.786535	3.652319	3.799921	3.658454	3.053433	3.236163	3.107809
RAB10	ENSG0000	0.076113	8.047247	2.523797	0.021547	0.053326	-4.69946	8.53158	8.585353	8.576811	8.504149	8.518304	8.477865	8.578289	8.586259	8.568161	7.51304	7.543235	7.514467	7.469476	7.513651	7.482054	7.640917	7.655781	7.698949
HADHA	ENSG0000	0.085304	7.759394	2.254909	0.037228	0.082221	-5.19339	7.948383	7.901976	7.875937	8.137444	8.081434	8.102523	8.102132	8.060041	8.132139	7.494666	7.504948	7.472472	7.528084	7.53189	7.502347	7.492248	7.438578	7.488135
MAPRE3	ENSG0000	0.0893	4.221682	0.753185	0.461364	0.581807	-6.76331	3.701161	3.704977	3.678418	4.400654	4.455308	4.460795	3.774765	3.773871	4.00079	4.619268	4.616873	4.673781	4.477091	4.529722	4.554478	4.681127	4.629187	4.712796
CAD	ENSG0000	-0.29796	6.901982	-3.61802	0.002046	0.008216	-2.34811	6.961579	6.905416	7.045272	6.702735	6.772703	6.838142	6.491769	6.401762	6.491277	7.335154	7.341824	7.200526	6.883809	6.790107	6.820957	7.164993	7.11034	7.204729
CD59	ENSG0000	0.393247	7.014302	3.471303	0.002823	0.010731	-2.66082	6.933693	6.849594	6.78859	7.513139	7.485955	7.543557	7.141693	7.133342	7.187972	6.729612	6.737926	6.712618	6.667463	6.787579	6.661089	7.15783	7.209031	7.228309
CD82	ENSG0000	0.935467	1.412756	4.913076	0.000122	0.000882	1.265311	1.069823	0.736739	1.30847	1.519216	1.612488	0.984419	1.317361	1.301009	1.0941	1.865926	1.989662	2.021603	3.494914	3.591587	3.421201	3.063688	2.711397	2.687355
BCORL1	ENSG0000	-0.18152	3.318806	-2.09927	0.050604	0.104654	-4.72294	3.541402	3.260998	3.384088	3.54791	3.441741	3.818042	3.258446	3.196885	3.044176	3.385609	3.381904	3.426222	3.95166	3.976023	3.886451	3.254827	3.356678	3.228839
ATRX	ENSG0000	0.524408	6.481909	6.740625	2.99E-06	5.06E-05	4.327916	5.920189	6.047062	5.980067	7.004352	6.882225	7.020683	6.619984	6.76748	6.751116	6.183306	6.278143	6.065214	6.639526	6.67811	6.626333	6.483766	6.457646	6.576851
AK6	ENSG0000	-0.00152	4.258637	-0.01329	0.989543	0.993211	-7.02073	4.640181	4.756352	4.235828	4.626508	4.551652	4.586466	4.758625	4.849227	4.497806	4.412971	4.157244	4.271716	3.746669	3.884362	3.68641	4.052512	4.059571	4.292899
MYNN	ENSG0000	0.12784	4.63984	1.713331	0.104332	0.184633	-5.74432	4.239263	4.293732	4.345467	4.40878	4.120365	4.28655	4.479546	4.802174	4.764393	5.021274	5.043519	4.968042	5.003078	4.934974	4.935528	4.917167	5.054421	4.98132
MECOM	ENSG0000	-0.30761	3.69252	-4.41638	0.000355	0.002051	-0.2009	2.320899	2.49222	2.37563	3.342644	3.073582	3.18484	2.303642	2.184314	2.202855	5.038288	5.118067	5.103452	5.464835	5.472807	5.412251	4.783949	4.776901	4.740203
SCAMP1	ENSG0000	-0.06054	5.885698	-0.87731	0.392215	0.51378	-6.97365	5.836608	5.816305	5.812715	5.711012	5.525471	5.605169	5.994216	5.927193	5.751363	6.06791	6.152903	6.035885	6.075937	6.16834	6.108959	5.88835	6.041387	5.876446
PREP	ENSG0000	0.263557	6.100916	2.861766	0.010586	0.030418	-3.84018	6.303082	6.203694	6.244333	6.236693	6.128283	6.280554	6.41117	6.465436	6.354934	5.573767	5.657342	5.63327	6.281812	6.235415	6.272352	5.951842	5.991068	5.987349
HACE1	ENSG0000	-0.25745	3.010024	-2.67234	0.015809	0.041823	-3.55203	3.774862	3.61855	3.764544	3.70135	3.574682	3.306732	3.555458	3.761625	3.373665	3.0698	2.889287	2.920951	2.706013	2.797719	2.689384	2.597261	2.568968	2.81313
SEH1L	ENSG0000	-0.26027	6.585487	-5.32948	5.04E-05	0.000444	1.389494	6.265223	6.436234	6.330002	5.851791	5.773069	5.855404	6.124988	6.037958	6.004837	7.462989	7.438789	7.506471	6.690687	6.673554	6.706165	7.265037	7.205023	7.211272
WDR47	ENSG0000	-0.14289	3.784728	-2.18322	0.042923	0.092043	-4.73794	3.983545	3.928996	3.96379	3.674639	3.867423	3.560621	3.814892	4.019913	4.021828	4.156676	4.082178	4.116262	3.635009	3.806595	3.693316	3.830273	3.955266	3.906054
WDFY1	ENSG0000	0.163577	6.310489	2.867549	0.010457	0.030124	-3.87587	6.131333	6.130976	6.24766	6.166534	6.142633	6.125602	6.332727	6.463548	6.453066	6.218564	6.367264	6.368068	6.48869	6.554701	6.48625	6.412335	6.390999	6.445648
OVGP1	ENSG0000	0.072295	0.149881	0.34891	0.731325	0.810163	-5.92376	1.561356	1.508929	1.706811	1.393812	1.373859	1.669505	1.70672	1.85606	1.918715	0.781331	0.748206	0.639567	0.787801	0.837535	0.910419	0.576451	0.637375	0.580851
SLC25A24	ENSG0000	-0.29072	5.637619	-3.39655	0.003325	0.012163	-2.6811	5.832299	5.779158	5.653783	5.122798	5.230876	5.199746	5.272444	5.27247	5.193163	5.92276	5.927012	6.017783	6.04022	6.01974	6.052346	5.803695	5.826899	5.8578
MAP3K4	ENSG0000	0.626569	4.620292	4.955721	0.000111	0.000824	0.905688	4.029438	4.12286	3.955676	4.904536	4.789085	4.937296	5.136557	5.146277	5.082376	4.596474	4.599033	4.598401	4.571104	4.612034	4.688381	4.980783	4.877699	4.641909
IGSF9	ENSG0000	0.428579	1.265107	3.847116	0.001236	0.005552	-1.59698	0.106501	0.316291	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.39151	5.587318	5.739435	5.545315	6.727221	6.605339	6.670742	6.123425	6.059258	5.973944
ABCB1	ENSG0000	0.444021	-0.64511	1.275821	0.218714	0.327841	-5.12452	2.526909	2.356396	2.492412	2.91067	2.686486	2.94309	2.981245	3.063581	3.044176	0.34397	0.106501	0.16959	0.171976	0.190544	0.186984	0.183756	0.106501	0.106501
ZNF213	ENSG0000	-0.05542	4.359594	-0.60702	0.55164	0.662145	-6.87756	4.484137	4.47956	4.657046	4.424898	4.478119	4.330328	4.174919	4.184903	4.16108	4.35077	4.322908	4.569452	4.464081	4.472117	4.523816	4.707527	4.641102	4.329449
AKR1B1	ENSG0000	-0.20773	6.591053	-1.59738	0.128102	0.216564	-6.10419	8.176266	8.124312	8.101834	7.962852	8.058914	8.018598	7.827616	7.879162	7.77752	5.510146	5.43203	5.613553	4.707079	4.660731	4.76576	5.55381	5.408227	5.491856
CPNE3	ENSG0000	0.006581	7.389896	0.119105	0.906551	0.938304	-7.52785	6.991837	6.939487	7.049091	7.156889	7.052746	7.113393	7.215998	7.230951	7.169238	7.74879	7.758222	7.686105	7.784098	7.799057	7.760011	7.514848	7.5948	7.615694
RRN3	ENSG0000	-0.14574	6.885595	-3.23016	0.004782	0.016274	-3.18086	7.173132	7.065531	7.013379	6.667608	6.56997	6.668018	6.773805	6.921271	6.835226	7.030301	7.043813	7.044656	6.752188	6.864753	6.810675	6.955165	6.987387	6.991305
CTTN	ENSG0000	-0.18226	8.246156	-2.63404	0.017131	0.044476	-4.51844	8.37116	8.390481	8.395987	7.848756	7.841581	7.825613	8.098072	8.061915	8.050038	8.451453	8.389344	8.433166	8.422634	8.41073	8.440482	8.337832	8.384158	8.366687
MTIF2	ENSG0000	-0.3403	6.154466	-6.14784	9.49E-06	0.000123	3.187614	6.869957	6.823	6.834669	6.430757	6.375108	6.412002	6.297757	6.528227	6.439449	5.984048	5.859683	5.923699	5.802503	5.832965	5.746917	5.708869	5.678704	5.622786
DDHD2	ENSG0000	-0.12427	5.37668	-1.57871	0.132329	0.221841	-6.03689	5.857962	5.893992	5.790077	5.444703	5.3917	5.445139	5.582443	5.673074	5.50844	5.24783	5.160041	5.103452	5.150455	5.32724	5.323798	5.184823	5.104049	5.239981
TTC39A	ENSG0000	-0.88456	1.635445	-4.23278	0.00053	0.002825	-0.25296	1.755904	1.915637	1.853768	0.52061	1.2379	0.909432	0.886508	1.082132	0.515351	3.463254	3.431133	3.373604	3.587808	3.591587	3.608189	2.75746	2.947209	2.649309
EPS15	ENSG0000	-0.2325	5.286085	-3.03545	0.007293	0.022556	-3.37522	5.32875	5.438728	5.22134	5.185634	5.064996	5.089421	4.968851	5.007978	4.90124	5.41565	5.500898	5.440499	5.740459	5.776294	5.758486	5.262556	5.319564	5.417409
ORC1	ENSG0000	0.282151	4.247757	1.255621	0.225781	0.335994	-6.31077	4.735558	4.724521	4.676925	4.132759	4.384626	4.178918	5.213624	5.263813	5.160337	4.896201	4.739193	4.869357	2.329284	2.250257	2.276326	4.922811	4.857415	4.753714
MGST2	ENSG0000	0.364115	5.252186	2.517169	0.021844	0.053921	-4.31476	5.546927	5.673567	5.503257	6.523489	6.557529	6.554168	6.259498	6.303819	6.236199	4.573314	4.386688	4.575288	4.404034	4.54975	4.628397	4.349322	4.367537	4.376785
CHERP	ENSG0000	-0.09795	6.355882	-1.68702	0.109364	0.191808	-6.04994	6.359567	6.317804	6.52631	5.830775	6.084358	5.951983	6.382529	6.175851	6.267362	6.559335	6.590431	6.733647	6.497497	6.373292	6.411801	6.596658	6.575131	6.50144
ATG16L1	ENSG0000	0.128723	7.077892	4.093336	0.00072	0.003582	-1.31726	6.949694	6.992952	7.008484	7.045329	7.0464	7.113393	7.103055	7.127389	7.11153	7.117607	7.065411	7.042551	7.134831	7.063812	7.081306	7.23869	7.139333	7.218598
USP40	ENSG0000	-0.18841	6.210995	-1.95499	0.066769	0.130255	-5.58645	6.722924	6.700957	6.690547	5.980046	5.946666	5.963613	6.266749	6.409631	6.315012	6.062376	6.186741	6.138988	6.174079	6.131604	6.126922	6.101195	6.08856	6.156248
POMGNT1	ENSG0000	-0.21462	6.854917	-4.12808	0.000667	0.003375	-1.21887	7.255896	7.255703	7.199252	6.689454	6.786476	6.69757	7.070276	6.97662	6.994023	6.899851	6.838665	6.894018	6.672421	6.696193	6.666362	6.741831	6.649766	6.637627
RAD54L	ENSG0000	-0.39708	3.042035	-1.94078	0.068589	0.133064	-5.16923	3.349713	2.91921	3.28395	2.359902	2.117603	2.481849	2.607661	2.894433	2.643847	4.945135	4.799799	4.83328	1.973006	2.169719	1.801384	4.555953	4.391248	4.59264
MAST2	ENSG0000	-0.041	5.516707	-0.6697	0.511802	0.626869	-7.08517	5.146396	5.095468	5.141325	5.440746	5.431202	5.411567	4.998191	5.043815	5.005251	5.954476	5.939825	5.877208	5.890229	5.850833	5.924669	5.935182	5.883166	5.930982
DNAJA1	ENSG0000	0.215389	8.841097	2.244452	0.038013	0.083517	-5.29954	8.482243	8.485789	8.428598	8.954194	8.905302	9.00579	8.760125	8.722013	8.755648	8.999267	8.99476	8.995021	8.746052	8.758614	8.754156	9.16059	9.114938	9.175845
B4GALT1	ENSG0000	0.24989	8.190776	2.386735	0.028542	0.066632	-4.96347	8.513192	8.521953	8.546066	9.087368	9.125075	9.171153	9.017126	8.926787	9.016643	7.55453	7.601292	7.592442	7.366609	7.335332	7.369624	7.59702	7.619603	7.575683
CHMP5	ENSG0000	-0.45907	6.568236	-5.42023	4.17E-05	0.000386	1.609602	7.241344	7.194779	7.185441	6.292659	6.310908	6.198283	6.504093	6.588399	6.587899	6.729612	6.652289	6.6566	6.398391	6.37666	6.39813	6.376791	6.425856	6.397688
NFX1	ENSG0000	-0.00117	6.07072	-0.01752	0.986223	0.991024	-7.37422	6.436811	6.448813	6.427097	6.142369	6.044157	6.166432	6.437112	6.442606	6.491277	5.754507	5.87162	5.858184	5.908353	5.884342	5.917315	5.788317	5.777374	5.880558
DIMT1	ENSG0000	-0.3248	5.528161	-6.19569	8.63E-06	0.000115	3.357017	6.223057	6.215193	6.073013	5.565938	5.726197	5.599217	5.814563	5.868449	5.760779	5.351299	5.477654	5.539356	5.066862	5.123169	5.166452	5.217339	5.190374	5.123395
IPO11	ENSG0000	-0.42195	5.081705	-6.97367	1.92E-06	3.64E-05	4.954941	5.924244	5.841962	5.81496	5.436777	5.152684	5.118843	5.374422	5.306587	5.338588	5.001167	5.003394	4.994418	4.610014	4.630959	4.6463	4.739863	4.714363	4.637057
EIF2AK1	ENSG0000	-0.18938	8.106207	-4.19587	0.000575	0.003009	-1.15594	8.353227	8.379208	8.358782	8.537423	8.534718	8.570905	8.021551	8.123619	8.105903	7.906133	7.841759	7.948332	7.982762	8.0024	7.94929	7.740961	7.819398	7.834396
EPDR1	ENSG0000	-0.11663	6.122026	-1.96819	0.065118	0.127751	-5.4913	7.030905	7.112843	6.933002	7.046631	7.060324	6.923987	6.820543	6.820094	6.910477	5.373815	5.363942	5.489229	5.184566	5.201218	5.253122	5.371825	5.41055	5.33891
SNX10	ENSG0000	-0.83998	1.440252	-4.69231	0.000195	0.001279	0.877003	4.846543	4.856254	4.781616	3.619685	3.378481	3.432575	3.891945	3.999201	3.968647	0.669294	0.748206	1.027938	0.294634	0.416769	0.404558	0.63264	0.759002	0.734116
SEPHS1	ENSG0000	0.726191	5.541233	6.688466	3.30E-06	5.42E-05	4.346227	5.313374	5.204977	5.332045	6.241251	6.101599	6.135919	6.309508	6.230187	6.236199	5.060666	5.079989	5.107486	5.107173	5.178243	5.13383	5.571885	5.442675	5.557523
MRPL28	ENSG0000	-0.06148	6.484384	-0.74929	0.463651	0.583668	-7.14349	7.016734	6.994859	7.003573	6.252583	6.478657	6.372415	6.920476	6.880799	6.931474	6.23095	6.215126	6.369748	6.204712	6.183802	6.221909	6.260129	6.263193	6.224144
ITPKC	ENSG0000	-0.06978	5.233143	-1.26745	0.22162	0.331465	-6.49628	4.381709	4.629503	4.388298	4.424898	4.58706	4.420855	4.512454	4.365678	4.22597	6.070669	5.984483	6.082734	6.365533	6.340326	6.260778	6.027141	5.994168	5.962353
CEACAM6	ENSG0000	-0.94672	6.418086	-4.834	0.000144	0.001008	0.359889	6.169409	6.180419	6.069258	6.283849	6.3444	6.34422	5.104539	5.007978	4.906906	7.796238	7.728582	7.683405	6.505457	6.569491	6.618192	6.749792	6.947961	6.882769
FAT2	ENSG0000	-0.18089	-0.4823	-1.68623	0.109519	0.191927	-5.2651	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.340597	3.647924	3.325935	3.165832	3.098942	3.186878	3.324713	3.307681	3.107809
RBM22	ENSG0000	-0.18343	6.614864	-1.96175	0.065919	0.129073	-5.63639	7.104217	7.064623	7.104269	6.154502	5.949389	5.954316	6.765297	6.776637	6.772996	6.764964	6.733845	6.791827	6.45374	6.421915	6.408658	6.685668	6.643857	6.79728
TMED2	ENSG0000	0.123758	8.73711	3.937992	0.001012	0.00473	-1.77151	8.808247	8.798821	8.770228	8.890695	8.785823	8.847829	8.885928	9.000611	8.916643	8.594676	8.597062	8.600089	8.552963	8.645674	8.525401	8.667599	8.703737	8.739169
ERO1B	ENSG0000	0.499923	1.245068	1.232054	0.234247	0.345612	-5.2707	5.779563	5.869251	5.882858	6.817065	6.52138	6.715565	6.328113	6.4233	6.348704	0.34397	0.106501	0.230035	0.171976	0.190544	0.106501	0.326864	0.106501	0.106501
ZFAND6	ENSG0000	-0.07438	5.75175	-1.14369	0.268174	0.384575	-6.73492	5.759279	5.734195	5.620809	4.667726	4.594038	4.454215	5.764215	5.746369	5.640119	6.577878	6.44422	6.594014	5.672801	5.799899	5.756839	6.46067	6.395695	6.397688
TXLNG	ENSG0000	0.265452	6.189888	5.374774	4.59E-05	0.000414	1.559286	6.094026	6.13617	6.170885	6.333788	6.252564	6.326315	6.502046	6.537235	6.57728	5.98989	6.076316	6.11013	6.117038	6.008206	5.970866	6.199803	6.210856	6.173105
PPEF1	ENSG0000	-0.50208	-0.15604	-1.18703	0.251099	0.365431	-5.23489	2.867343	3.114308	3.06005	3.619685	3.722109	3.666886	2.303642	2.451551	2.501332	0.34397	0.185134	0.16959	0.234608	0.106501	0.263213	0.183756	0.433238	0.214669
LAT2	ENSG0000	0.898409	3.706112	10.54886	5.29E-09	3.93E-07	10.98475	4.029438	4.14364	4.262385	3.57705	3.242978	3.321269	5.147073	5.224202	5.097318	3.673879	3.398501	3.526028	2.706013	2.533802	2.574402	4.21775	4.333674	4.022248
HUWE1	ENSG0000	-0.04238	8.289868	-0.49063	0.629788	0.729333	-7.4791	7.47626	7.561349	7.682394	7.93569	7.948222	8.200629	7.779421	7.6829	7.702142	8.926692	9.082755	8.677928	8.91826	8.747167	8.891464	8.758393	8.641088	8.696664
ZW10	ENSG0000	-0.02523	4.850848	-0.47982	0.637305	0.735646	-7.10692	4.461995	4.719916	4.424025	4.254996	4.408574	4.434292	4.536652	4.583078	4.680887	5.475171	5.409689	5.467426	5.075443	5.063124	5.148978	5.412514	5.372937	5.33891
ALG9	ENSG0000	0.954591	3.246994	6.495585	4.79E-06	7.22E-05	4.327018	3.337603	3.196163	3.359697	4.227693	4.293254	4.34463	4.376062	4.526303	4.613192	2.494552	2.779525	2.627101	2.760241	2.797719	2.730245	3.063688	2.881762	3.079476
ACOX3	ENSG0000	-0.29599	4.454018	-2.89437	0.009874	0.028817	-3.46308	4.807565	4.86879	4.681852	4.555081	4.694855	4.679672	4.659269	4.489649	4.534865	4.368817	4.247042	4.472706	4.758606	4.679032	4.769032	4.161567	4.083055	3.881648
MTMR2	ENSG0000	-0.23797	6.260057	-3.81077	0.001339	0.005912	-1.86291	6.452337	6.402146	6.467605	5.890028	5.797458	5.882614	6.161755	6.194191	6.131214	6.537562	6.503919	6.534592	6.311171	6.381138	6.390715	6.343508	6.230705	6.420456
PPP1R15A	ENSG0000	-0.73089	5.707951	-5.66805	2.50E-05	0.000256	2.206738	6.282699	6.15335	6.225897	4.759555	4.7142	4.735009	4.974767	5.327507	5.274297	6.457606	6.263495	6.553195	5.940413	5.953629	5.942167	5.980541	5.992618	5.767446
HSD17B14	ENSG0000	1.002141	2.435606	7.046548	1.68E-06	3.24E-05	5.368774	1.826927	1.508929	1.585853	3.359513	3.378481	3.136338	2.884002	2.777669	2.82232	2.033684	2.320972	2.34226	3.60569	3.637228	3.412858	2.890155	2.813204	2.629903
TRIP6	ENSG0000	-0.17595	6.397847	-1.03808	0.313383	0.433057	-6.86352	7.381384	7.395102	7.420257	6.156917	6.381172	6.152273	6.961273	6.922647	6.918913	5.8427	5.858184	5.919117	6.080206	6.058	6.042916	6.123425	5.989515	5.896886
FTL	ENSG0000	0.221761	10.35868	1.57349	0.133532	0.22347	-6.47325	11.1706	11.15196	11.1581	11.59347	11.64179	11.48922	11.54714	11.54011	11.51008	9.598413	9.399963	9.539956	8.803187	8.86515	8.817349	9.565846	9.506342	9.584604
SRRT	ENSG0000	0.092438	7.325567	1.72185	0.102746	0.182595	-6.08523	7.47557	7.389313	7.463818	7.171291	7.27419	7.136182	7.63653	7.606219	7.680807	7.465612	7.429733	7.455168	6.894152	6.765484	6.85907	7.43316	7.471205	7.422682
BAX	ENSG0000	-0.57115	6.117475	-4.65308	0.000213	0.001361	0.055758	7.623171	7.605708	7.644406	6.458425	6.444317	6.410303	6.815607	6.755179	6.743221	5.540318	5.415817	5.55273	5.278599	5.223832	5.128745	5.242383	5.339201	5.347846
NLK	ENSG0000	-0.03739	4.872011	-0.51118	0.615619	0.716771	-7.01067	5.0569	5.048491	5.067946	5.290513	4.998178	5.151751	4.998191	5.053893	5.072328	4.674725	4.54415	4.671058	5.073302	5.063124	5.100452	4.623367	4.555551	4.567359
PIGS	ENSG0000	0.84907	6.47113	5.882041	1.62E-05	0.000186	2.611693	5.38573	5.358041	5.411316	7.240086	7.232314	7.214199	6.725501	6.706499	6.76522	6.096621	6.195078	6.148806	6.915218	6.829142	6.882672	6.634128	6.532054	6.538338
TMPRSS11	ENSG0000	-0.18542	0.307329	-2.88578	0.010057	0.029216	-3.44162	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.963066	4.884715	4.934378	4.589193	4.541772	4.606616	4.768358	4.691628	4.7671
ATXN7L3	ENSG0000	-0.01672	6.758374	-0.29966	0.767974	0.837276	-7.42169	6.647676	6.519415	6.686875	6.770523	6.940877	6.866915	6.648022	6.457866	6.596689	6.884252	6.836383	6.862145	6.892939	6.801845	6.878891	6.899	6.811396	6.897044
PGS1	ENSG0000	0.011204	5.330198	0.162737	0.872592	0.914453	-7.23197	5.501516	5.398948	5.41428	5.517909	5.582723	5.547605	5.59402	5.543171	5.591697	5.185557	5.100422	5.137382	5.547339	5.464391	5.328241	4.961717	5.080907	5.11295
PSMC5	ENSG0000	0.175966	7.84985	4.548895	0.000266	0.001623	-0.38122	7.470033	7.422994	7.45305	7.710133	7.649799	7.685159	7.761566	7.721346	7.768991	8.061579	8.049784	8.040081	8.0739	8.074334	8.117234	8.117119	8.126769	8.111242
UIMC1	ENSG0000	0.067425	5.445979	1.055578	0.305534	0.424849	-6.73217	5.665509	5.55188	5.584434	5.1079	5.274966	5.171943	5.753932	5.827914	5.751363	5.514206	5.469823	5.51223	5.380791	5.336493	5.296849	5.448178	5.480747	5.513196
LPCAT2	ENSG0000	0.388793	3.862593	5.36199	4.71E-05	0.000422	1.781208	2.815895	2.853456	3.133821	2.999448	2.686486	2.697781	3.050103	3.535768	3.373665	4.667452	4.869913	4.806238	4.893312	5.032138	4.909079	5.122419	5.138081	5.184529
GNAO1	ENSG0000	-0.1188	-0.12211	-0.51325	0.614201	0.715504	-5.85933	0.667115	0.736739	0.756332	1.457877	1.307481	1.367251	0.886508	0.387194	0.515351	1.028404	0.941811	0.993481	1.27873	1.320413	1.423614	1.13872	1.024588	0.872651
OGFOD1	ENSG0000	-0.1479	6.815688	-4.76022	0.000169	0.001146	0.16815	7.066193	7.104918	7.053849	6.803259	6.760349	6.80232	6.854629	6.924021	6.841156	6.845307	6.885042	6.849558	6.616927	6.591879	6.636221	6.781981	6.729127	6.774264
SH3BP2	ENSG0000	0.023669	5.274506	0.617166	0.545082	0.656375	-7.15084	4.059241	4.021717	3.906009	3.977507	3.988879	4.053927	4.079318	3.956862	3.957772	6.624627	6.75091	6.593295	6.660351	6.660719	6.592566	6.684007	6.680882	6.686583
NOP14	ENSG0000	-0.1225	7.268715	-3.18795	0.005242	0.017529	-3.30134	7.485894	7.510925	7.479466	7.019026	7.139968	7.16669	7.367581	7.281144	7.247231	7.344304	7.304884	7.396214	7.131748	7.141093	7.116409	7.304488	7.262076	7.312122
ADD1	ENSG0000	-0.07272	7.912879	-1.3785	0.185439	0.287619	-6.60773	8.31822	8.294247	8.313862	8.047918	8.113963	8.008527	8.205744	8.18394	8.229167	7.647092	7.587335	7.648882	7.740926	7.737087	7.709392	7.591715	7.591733	7.575683
L2HGDH	ENSG0000	-0.13982	4.31012	-1.72282	0.102566	0.182379	-5.67482	4.679091	4.733688	4.734969	3.714523	3.734793	3.535905	4.321396	4.324646	4.459769	4.674725	4.634494	4.732417	4.218931	4.259953	4.134921	4.723786	4.621188	4.712796
TXNDC16	ENSG0000	-0.2868	2.431119	-2.70096	0.014886	0.039802	-3.46976	2.165157	2.356396	2.423483	2.457149	2.490996	2.374422	2.607661	2.290412	2.047395	3.255856	3.295928	3.269454	2.852992	3.009215	2.870883	2.957699	2.854728	2.896697
RTRAF	ENSG0000	-0.13918	7.002982	-2.2386	0.038459	0.084259	-5.17561	7.238905	7.314922	7.268852	6.823158	6.766539	6.776177	7.028227	6.928136	6.964447	7.011039	6.994854	7.078953	6.95296	7.024993	6.983998	7.056207	7.025765	7.025123
NID2	ENSG0000	0.004829	1.149676	0.027043	0.978731	0.985931	-5.99757	7.192593	7.15695	7.1915	7.636783	7.601271	7.668911	7.289039	7.102117	7.144275	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GMCL1	ENSG0000	0.360746	5.185039	3.834713	0.00127	0.005674	-1.64977	4.165822	4.50655	4.43574	5.236746	5.212855	5.102104	5.125963	5.117737	5.202407	5.42646	5.378656	5.422805	5.660022	5.734908	5.835411	5.518831	5.471879	5.542033
SF3B2	ENSG0000	-0.18028	8.647695	-4.7328	0.000179	0.001196	-0.04172	8.259256	8.245014	8.276078	7.940603	8.050694	7.992721	7.990498	7.926552	7.967732	9.3035	9.237935	9.308806	9.235693	9.221483	9.181962	9.195546	9.186982	9.209735
KLHL42	ENSG0000	0.766089	5.715983	6.897038	2.22E-06	4.07E-05	4.702876	5.004246	4.945746	4.962565	6.033582	5.891089	5.995687	5.885366	5.946255	5.813006	5.636563	5.671068	5.583462	5.753885	5.783078	5.728547	6.210226	6.302487	6.268742
GNAS	ENSG0000	0.403901	9.465747	11.51861	1.37E-09	1.41E-07	12.07084	9.701905	9.715569	9.710407	10.35151	10.34975	10.31986	10.21685	10.18381	10.23685	8.539729	8.553264	8.568068	9.156398	9.123325	9.145921	8.821698	8.861652	8.869248
DNM1L	ENSG0000	0.992649	6.547063	8.077837	2.63E-07	7.46E-06	6.81235	5.496078	5.659206	5.615668	7.001668	6.875081	7.077449	6.848198	6.969983	6.939788	6.176918	6.366209	6.218526	6.681583	6.698886	6.672491	6.910409	6.928647	7.016742
PTHLH	ENSG0000	-0.44332	2.848847	-3.93332	0.001023	0.00477	-0.9567	3.487617	3.750846	3.576275	2.766336	2.398361	2.784269	3.33403	2.960209	3.406029	3.275122	3.295928	3.164958	2.83289	2.714997	2.647333	2.924322	2.854728	2.706008
ERGIC2	ENSG0000	-0.05154	6.120436	-1.01204	0.325323	0.445279	-6.88059	5.985675	5.954048	6.003871	5.806374	5.735694	5.97285	5.982519	5.975709	5.845819	6.358354	6.405742	6.295675	6.408614	6.433818	6.482268	6.302962	6.250286	6.355481
TFAP2C	ENSG0000	0.744657	5.499151	5.178319	6.93E-05	0.000567	1.242952	5.190829	4.949684	4.883506	5.806374	5.600158	5.738416	6.295396	6.241253	6.439449	5.193173	5.217293	5.365015	5.423425	5.404061	5.414342	5.406484	5.52857	5.499895
AURKA	ENSG0000	1.621645	5.637322	3.961816	0.000961	0.004533	-1.3346	5.525735	5.59527	5.350729	7.610599	7.355491	7.521695	7.497567	7.66493	7.541165	4.674725	4.752166	4.823505	3.388755	3.512154	3.478287	5.394346	5.256415	5.394592
PIR	ENSG0000	-0.23106	4.776653	-1.67965	0.110811	0.19356	-5.55363	6.983117	6.969865	6.863145	6.487492	6.499248	6.36717	6.807343	6.836241	6.75269	3.376719	3.486521	3.834184	2.209661	2.837366	2.449456	3.227721	3.058015	2.944608
AAMDC	ENSG0000	-0.2674	3.055761	-2.5508	0.020375	0.051082	-3.99107	2.850396	2.935191	2.37563	2.359902	2.333126	2.196611	2.806512	2.871824	2.408535	4.192583	3.896014	4.282459	3.884887	3.878039	3.727354	3.743628	3.910024	3.797179
RFX2	ENSG0000	0.390618	1.36175	2.167458	0.044278	0.094268	-4.33531	1.12723	0.582935	0.679585	1.326771	1.817192	1.310092	0.782422	1.15884	1.244857	2.527059	2.85362	2.649405	2.995443	2.901116	2.930541	3.113899	3.034117	2.629903
METTL2A	ENSG0000	-0.08817	5.498029	-1.85533	0.080496	0.151373	-5.67989	5.240453	5.113136	5.159101	4.915985	5.059965	4.908703	5.233498	5.112925	5.121883	5.958951	6.039753	6.16341	5.963711	5.86369	5.926135	5.932386	5.956519	5.909012
SULT2B1	ENSG0000	0.475728	3.531655	3.966201	0.000952	0.004494	-0.98291	3.056542	3.39414	3.347346	4.122913	4.392653	4.027574	3.841036	3.736817	3.668646	3.340597	3.269103	3.48321	3.686328	3.591587	3.644271	3.830273	3.72088	3.698167
ALG6	ENSG0000	-0.07794	4.127703	-0.97421	0.343244	0.464187	-6.52115	4.428132	4.446492	4.281987	4.375995	4.071202	4.249025	4.512454	4.341199	4.549426	4.161861	4.314187	4.314216	3.814873	3.970091	3.747398	3.951202	4.05364	4.229846
CNOT3	ENSG0000	0.153765	6.206582	3.467354	0.002848	0.010795	-2.61829	5.817116	5.736477	5.854773	5.540275	5.703792	5.677574	6.028748	5.79224	6.036192	6.655279	6.591334	6.7518	6.531416	6.437048	6.480274	6.812708	6.862333	6.787461
PTPN4	ENSG0000	0.556087	4.090274	5.633345	2.69E-05	0.00027	2.496447	4.339825	4.446492	4.326715	4.87551	4.831037	4.93257	5.193472	5.201716	5.005251	3.411958	3.373534	3.305013	3.746669	3.766081	3.824901	3.43152	3.620134	3.698167
DDX18	ENSG0000	-0.09502	7.711629	-1.47093	0.159084	0.2562	-6.48881	7.85164	7.835945	7.792409	7.204349	7.161267	7.165683	7.68244	7.801289	7.695611	7.989416	7.915686	7.979201	7.727038	7.730083	7.780421	7.831518	7.864987	7.930223
KHSRP	ENSG0000	0.054922	7.65823	1.381224	0.184615	0.28661	-6.60034	7.684217	7.692298	7.780974	7.449567	7.464221	7.48262	7.882143	7.7703	7.765877	7.713034	7.728172	7.872442	7.496883	7.405703	7.403177	7.876205	7.79694	7.716879
GNA11	ENSG0000	0.046467	6.437065	0.977007	0.341896	0.462804	-6.94146	6.527556	6.598061	6.601043	6.50655	6.630615	6.381113	6.599072	6.522796	6.601937	6.238331	6.316858	6.466349	6.32383	6.286439	6.288403	6.508377	6.366088	6.41338

ASAP3	ENSG0000	-0.32762	3.237778	-2.18637	0.042657	0.091566	-4.43911	3.603403	3.382531	3.322321	4.400654	4.580048	4.308605	3.33403	3.043491	2.981126	2.574485	2.66072	2.893183	4.34138	4.174819	4.293286	2.368215	2.680939	2.419973
EDEM2	ENSG0000	0.136278	5.731326	2.547248	0.020525	0.05138	-4.36203	6.119004	6.113526	6.195211	6.770523	6.68228	6.670859	6.276361	6.121786	6.236199	4.896201	4.765022	4.90687	5.585386	5.661337	5.536486	5.146741	5.08382	4.95427
DNMT3B	ENSG0000	-0.78856	3.290821	-6.12997	9.84E-06	0.000127	3.453481	2.917019	2.55562	3.119366	2.605941	2.549605	2.481849	2.186178	2.184314	2.005764	5.1779	5.022258	5.225382	3.735884	3.933972	3.679472	4.473742	4.247965	4.483349
TPX2	ENSG0000	-0.08722	6.039851	-0.50674	0.618669	0.719265	-7.291	6.506075	6.451593	6.330002	5.521661	5.654575	5.602196	6.424199	6.586665	6.425703	6.820933	6.807933	6.850761	4.450951	4.561635	4.394205	6.662239	6.562656	6.594479
FER1L4	ENSG0000	-0.29848	3.983657	-2.10829	0.049722	0.103188	-5.0436	2.589523	1.849715	2.446827	3.308302	3.441741	3.632327	2.637802	2.777669	2.616448	5.606458	5.679581	5.310072	5.775111	5.574066	5.709941	4.891489	5.232987	5.184529
PDRG1	ENSG0000	0.008372	5.360081	0.123077	0.90345	0.935979	-7.26308	6.02962	5.969649	5.927103	5.180897	5.208315	5.265117	6.011586	5.967735	5.961941	5.267203	5.147822	5.137382	4.945733	4.820936	4.72927	5.228777	5.174064	5.184529
EPB41L1	ENSG0000	-0.05327	5.195592	-0.77216	0.450334	0.570752	-6.93607	4.165822	4.230384	4.102541	5.371747	5.351085	5.334836	4.358069	4.307901	4.388669	5.751071	5.572124	5.66235	6.428844	6.459454	6.377914	5.589736	5.449467	5.450971
DOCK9	ENSG0000	-0.29966	5.42197	-3.23118	0.004771	0.016246	-3.04278	4.548594	4.495815	4.758481	4.555081	4.447623	4.824468	3.953155	3.924273	4.011347	6.748689	6.807156	6.64416	6.394967	6.306589	6.369317	6.556373	6.494235	6.56923
ANKRD10	ENSG0000	-0.0144	5.634412	-0.14471	0.886592	0.924486	-7.28663	5.53637	5.602793	5.549817	5.851791	5.797458	5.923682	5.80795	5.967735	5.851705	5.516232	5.615362	5.44688	5.93335	5.892207	5.934902	5.14915	5.274377	5.311765
TGDS	ENSG0000	0.003495	4.311397	0.036402	0.971374	0.981506	-7.067	4.749336	4.653851	4.772407	4.112999	4.009905	4.096805	4.552561	4.562048	4.497806	4.14101	4.269773	4.398932	4.143408	4.407733	4.27038	4.390642	4.400624	4.510131
DOCK3	ENSG0000	-0.4321	3.416886	-1.40071	0.178803	0.280041	-5.85201	4.461995	4.424018	4.55869	2.81607	2.85862	2.697781	3.774765	3.619579	3.957772	3.206534	3.486521	3.164958	3.819988	3.884362	3.962731	3.16242	3.171908	3.065099
C3orf18	ENSG0000	-0.29502	1.354358	-2.20419	0.041179	0.089042	-4.11359	2.137484	1.978677	2.194417	1.74141	1.817192	1.757653	1.966276	1.760835	1.918715	1.814181	2.174476	1.73919	1.733794	1.528499	1.947161	1.65509	1.645686	1.775544
COQ9	ENSG0000	-0.33844	6.128607	-5.19129	6.74E-05	0.000554	1.201125	6.869957	6.8187	6.8588	6.432751	6.493661	6.51202	6.391403	6.333079	6.371418	5.754507	5.801592	5.766779	5.852036	5.819829	5.847842	5.586184	5.665153	5.539435
TMEM40	ENSG0000	0.846589	1.007026	2.391627	0.028259	0.066026	-3.96066	1.602421	1.670392	1.706811	0.635873	0.25478	0.746642	0.548589	1.082132	0.515351	1.76051	2.135404	2.243088	2.683738	2.549802	2.675503	3.298901	3.356678	3.079476
KIF9	ENSG0000	-0.33527	3.577445	-2.90494	0.009654	0.028286	-3.37292	3.498536	3.39414	3.28395	2.766336	2.970101	2.605775	2.908934	2.938616	2.959482	4.382206	4.374156	4.395637	4.665059	4.66441	4.635585	4.213151	3.974229	4.203832
CRLS1	ENSG0000	0.168778	5.814604	3.393626	0.003347	0.012229	-2.69316	5.832299	5.871329	5.727119	6.028317	5.845033	5.921298	5.797975	5.954347	5.880784	5.617821	5.665936	5.744936	5.789524	5.884342	5.811809	5.987291	5.844183	5.932963
PPP1R13B	ENSG0000	-0.25092	4.079088	-3.05985	0.006919	0.021735	-3.18779	3.476616	3.505362	3.544167	3.041869	3.242978	3.485165	2.667326	2.825515	2.869505	5.167627	5.21026	5.160861	5.32071	5.331874	5.319341	4.939614	5.123998	5.164438
ATRN	ENSG0000	0.151828	7.02515	3.02677	0.007431	0.022908	-3.60094	6.890826	6.977602	6.999632	7.447596	7.459453	7.552056	7.275922	7.24091	7.259461	6.723489	6.766977	6.729073	7.054647	6.974767	7.073387	6.79512	6.709457	6.731658
SMOX	ENSG0000	0.353658	6.755614	3.112748	0.006171	0.019949	-3.30922	8.20196	8.119949	8.171363	8.239503	8.344548	8.281842	8.623237	8.579734	8.644324	5.351299	5.353339	5.437298	4.601127	4.66441	4.755899	5.571885	5.570712	5.518482
FKBP1A	ENSG0000	-0.03084	8.253072	-0.58059	0.568928	0.678	-7.42067	8.16346	8.215874	8.172676	7.986801	7.972524	7.958257	8.301822	8.28419	8.263244	8.475335	8.418372	8.428539	8.308531	8.41073	8.38931	8.258585	8.281956	8.353437
NSFL1C	ENSG0000	-0.08011	6.831343	-1.66364	0.114009	0.197763	-6.11447	7.13865	7.162052	7.16711	6.946912	6.954498	6.974295	7.086758	7.193836	7.232643	6.698733	6.607485	6.750511	6.635904	6.569491	6.536073	6.538102	6.527782	6.48263
SLC4A11	ENSG0000	1.302984	4.971977	3.427172	0.00311	0.011552	-2.29656	4.949597	4.95753	4.879222	7.814755	7.682904	7.736227	6.366869	6.442606	6.387717	3.552807	3.313538	3.613714	3.686328	3.503965	3.679472	4.189932	3.88352	4.163911
C20orf194	ENSG0000	0.686737	3.348809	8.56452	1.15E-07	3.98E-06	7.968754	2.949211	2.870177	3.133821	4.245952	4.081169	4.233737	3.586698	3.521314	3.681923	2.777267	2.753956	2.693003	4.143408	4.15926	4.12984	3.358427	3.225651	3.444131
ZNF343	ENSG0000	-0.16469	4.661259	-2.56331	0.019853	0.050029	-4.2544	4.445163	4.468622	4.37619	4.472198	3.912781	4.121933	4.339849	4.080322	4.17992	5.167627	5.258789	5.251133	5.200343	5.206274	5.198354	5.146741	5.060349	5.11295
EBF4	ENSG0000	0.646316	-0.89251	1.691042	0.108582	0.190859	-4.58627	1.755904	2.039077	2.049454	3.619685	3.747367	3.828257	2.858632	2.451551	2.274723	0.106501	0.185134	0.106501	0.171976	0.26996	0.106501	0.183756	0.106501	0.106501
MAVS	ENSG0000	0.286481	7.231637	6.151199	9.43E-06	0.000123	3.078225	6.895997	6.812224	6.823565	7.446609	7.482199	7.568906	7.268717	7.258446	7.222457	7.081129	7.156657	7.030387	7.547488	7.485854	7.469539	7.292002	7.224953	7.282911
LZTS3	ENSG0000	0.404448	3.342954	1.912951	0.072282	0.138655	-4.94932	3.313074	3.114308	3.347346	4.333937	4.167908	4.264152	3.953155	3.856799	3.856018	2.461296	2.714733	2.581432	4.376523	4.312477	4.261115	2.625227	2.908298	2.59029
XRN2	ENSG0000	-0.23078	7.968462	-7.44234	8.10E-07	1.81E-05	5.535592	7.663143	7.702838	7.705562	7.69692	7.629565	7.671041	7.340346	7.362455	7.432438	8.434684	8.408419	8.403128	8.432269	8.443749	8.466159	8.260815	8.247946	8.242017
KIZ	ENSG0000	-0.40677	2.710005	-4.77537	0.000163	0.001116	0.924974	3.420312	3.505362	3.500214	3.392671	3.531716	3.459109	3.072345	3.160038	2.937508	2.664903	2.632935	2.473063	2.760241	2.714997	2.661487	2.26534	2.447571	2.200755
DYNLL1	ENSG0000	0.181732	8.411235	2.853079	0.010784	0.030862	-4.07238	8.531912	8.499289	8.46942	8.759417	8.706745	8.706169	8.876479	8.843908	8.911369	8.245583	8.184782	8.189778	7.95513	7.983013	8.03808	8.190317	8.183207	8.208477
TESC	ENSG0000	1.09552	1.528883	3.217844	0.004912	0.016649	-2.02499	7.233196	7.284837	7.24158	7.282719	7.349318	7.406266	8.436523	8.279904	8.374248	0.106501	0.106501	0.106501	0.171976	0.26996	0.106501	0.106501	0.106501	0.106501
SNX5	ENSG0000	-0.04515	7.144952	-1.60382	0.12667	0.214756	-6.24667	7.07716	7.051854	7.046228	7.001668	7.007728	6.99144	7.049405	7.029924	6.920314	7.322477	7.320754	7.312209	7.247323	7.275252	7.289867	7.275553	7.303901	7.275905
RPL6	ENSG0000	-0.07734	9.97557	-2.74829	0.013472	0.036928	-4.38442	10.28146	10.26557	10.21303	10.17901	10.1303	10.11206	10.15745	10.17748	10.16937	9.883726	9.811233	9.779034	9.671911	9.731507	9.758131	9.703788	9.757322	9.804884
MAPKAPK5	ENSG0000	-0.30253	5.836269	-6.1295	9.85E-06	0.000127	3.168992	6.198157	6.22335	6.130008	5.733834	5.800478	5.877705	5.643139	5.943547	5.96466	5.945485	5.991338	6.008106	5.568769	5.677811	5.684176	5.769645	5.661257	5.701584
ESF1	ENSG0000	-0.19899	6.304833	-2.89948	0.009767	0.028571	-3.82403	6.636598	6.537848	6.647119	5.598277	5.769991	5.788972	6.34876	6.574465	6.568371	6.665354	6.636634	6.649702	6.152952	6.060794	6.0375	6.374733	6.361294	6.424686
RBBP9	ENSG0000	0.178916	5.024746	2.203297	0.041252	0.089178	-4.96837	4.410898	4.629503	4.579961	4.960893	4.752128	4.869675	4.914487	4.831761	4.825493	5.088159	5.169742	5.131452	5.715972	5.878019	5.832286	5.194188	5.227729	5.274758
ANAPC5	ENSG0000	-0.24745	6.963484	-5.75245	2.11E-05	0.000226	2.289094	7.396786	7.38641	7.333683	7.468157	7.456584	7.365642	7.092211	7.037562	7.007269	6.74524	6.689012	6.76909	6.714917	6.709608	6.686401	6.585135	6.549018	6.570503
SLC23A2	ENSG0000	0.695084	7.120137	2.511303	0.02211	0.054456	-4.5848	7.105111	7.254908	7.198393	9.267977	9.287781	9.33525	8.248491	8.241289	8.300306	5.991347	6.03578	5.955374	5.938063	5.953629	5.973704	6.12465	6.141248	6.072473
SLC8B1	ENSG0000	0.006837	4.421555	0.113788	0.910703	0.941097	-7.05905	4.42241	4.446492	4.117166	4.701197	4.675247	4.645422	4.264577	4.413424	4.252911	4.386642	4.47541	4.45065	4.810927	4.657043	4.708971	4.390642	4.486784	4.515429
TMEM230	ENSG0000	-0.11466	7.558112	-1.81223	0.087167	0.160444	-5.96034	7.53908	7.607579	7.538379	7.267158	7.232314	7.21225	7.57555	7.482034	7.469279	7.744044	7.714152	7.759391	7.761012	7.789825	7.765755	7.573439	7.569563	7.588306
DZANK1	ENSG0000	-0.21334	2.943057	-3.43489	0.003058	0.011394	-2.14084	2.505419	2.425906	2.351095	2.48816	2.299368	2.5075	2.102195	2.255906	2.127218	3.87036	4.045764	3.973292	4.143408	4.220515	4.124741	3.806044	3.765107	3.814473
KDM2B	ENSG0000	-0.12326	4.836784	-1.8265	0.084905	0.157135	-5.57379	5.346988	5.198371	5.097747	4.753186	4.955466	4.824468	5.015513	5.007978	4.895553	4.822817	4.896447	5.039448	4.467344	4.416485	4.546874	4.942395	4.801884	4.969789
TASP1	ENSG0000	-0.13158	4.18882	-1.46914	0.159565	0.256714	-6.03208	3.385444	3.382531	3.466347	3.966538	4.020303	3.907468	3.072345	3.285084	3.084728	5.035466	5.046155	5.141322	5.113436	5.046305	5.151487	4.956223	4.949728	5.06679
OAS1	ENSG0000	0.248308	6.943148	2.576608	0.019311	0.048924	-4.5398	6.381852	6.384795	6.306268	6.701082	6.764994	6.519918	6.947802	6.79778	6.714435	7.399115	7.413494	7.443648	6.883809	7.019976	7.026312	7.43908	7.545991	7.512182
GCN1	ENSG0000	-0.37641	8.188396	-8.3911	1.54E-07	5.02E-06	7.239102	8.298832	8.2775	8.316637	7.979999	8.120019	8.138368	7.906333	7.813946	7.814159	8.533992	8.564109	8.426724	8.31035	8.131932	8.253703	8.220708	8.178786	8.197808
RPLP0	ENSG0000	-0.06048	10.63055	-1.22635	0.236332	0.348239	-6.96364	11.19283	11.16096	11.16697	11.177	11.19568	11.13218	11.25203	11.19243	11.2068	10.35209	10.20847	10.16598	9.900899	9.924293	9.925819	10.04134	10.06341	10.1091
PXN	ENSG0000	-0.49358	7.899842	-2.45016	0.025075	0.06014	-4.86589	8.440034	8.435415	8.464067	6.79243	6.755688	6.776177	7.404209	7.34717	7.471193	8.283834	8.207036	8.337676	8.353762	8.265091	8.264755	8.223283	8.189644	8.309134
RPH3A	ENSG0000	2.191585	-0.59143	7.05629	1.65E-06	3.19E-05	4.833772	2.438959	2.513665	2.600444	3.533117	3.112982	3.335661	4.528631	4.482206	4.776822	0.106501	0.106501	0.106501	0.106501	0.190544	0.106501	0.183756	0.106501	0.214669
KIF16B	ENSG0000	-0.09839	4.966638	-1.71072	0.104822	0.185418	-5.72547	5.011887	5.144404	5.090354	5.601826	5.634408	5.519514	4.980658	5.018308	4.726452	4.641707	4.696209	4.635187	5.248563	5.206274	5.253122	4.733454	4.633169	4.494122
TRMT6	ENSG0000	-0.21762	6.208311	-3.83318	0.001275	0.005692	-1.83353	6.271602	6.331453	6.309455	5.195063	5.176125	5.223158	6.138227	5.9217	5.967373	6.903724	6.877662	6.943368	6.201776	6.186363	6.223102	6.748203	6.707569	6.813498
CHGB	ENSG0000	1.029239	0.412326	4.20278	0.000566	0.002977	-0.09687	3.936145	3.912946	3.773804	5.388282	5.266255	5.341983	4.83866	4.703199	4.956916	0.190076	0.106501	0.106501	0.171976	0.190544	0.186984	0.183756	0.19538	0.214669
PEBP1	ENSG0000	-0.03743	6.734833	-0.48321	0.634945	0.733754	-7.27228	7.577561	7.605084	7.602796	7.813225	7.884192	7.835142	7.797892	7.800541	7.69888	5.776643	5.773236	5.816905	6.05873	6.025473	6.051003	5.432436	5.502682	5.491856
BRAP	ENSG0000	0.123737	5.024554	1.721031	0.102898	0.182762	-5.76915	4.937612	4.791891	4.739702	4.982834	5.133653	5.102104	5.248226	5.002785	5.179186	4.99537	4.948095	5.155027	5.345753	5.320261	5.301375	4.996928	4.959278	5.119922
ERP29	ENSG0000	0.207449	7.813846	2.142019	0.046548	0.098046	-5.40093	7.720225	7.652978	7.687303	8.41164	8.339885	8.400826	8.094681	8.081136	8.148969	7.612482	7.530115	7.666076	7.570813	7.520264	7.538744	7.644764	7.569044	7.581377
FUS	ENSG0000	-0.08475	8.731765	-2.21027	0.040686	0.088252	-5.35232	9.36751	9.358473	9.384642	8.624613	8.606354	8.577354	9.376239	9.374583	9.426172	8.77741	8.71956	8.718875	7.76068	7.754881	7.775549	8.541881	8.520218	8.575098
IGBP1	ENSG0000	-0.44246	6.332206	-4.0954	0.000717	0.003571	-1.21846	6.718262	6.77608	6.678272	6.386177	6.430738	6.435578	6.087259	6.040494	5.980865	6.193468	6.215126	6.217593	6.71423	6.769759	6.689858	5.943536	6.053325	5.987349
FXYD5	ENSG0000	0.351234	7.245238	7.442171	8.11E-07	1.81E-05	5.581783	6.951681	6.964035	6.892132	6.993586	7.040026	7.064546	7.294962	7.248608	7.307368	7.348857	7.226296	7.467773	7.263841	7.207527	7.223442	7.666796	7.682451	7.749277
ZNF302	ENSG0000	0.318641	4.560147	3.310184	0.004016	0.014144	-2.68273	4.25866	4.043996	4.332993	3.988393	4.258538	4.30129	4.528631	4.62424	4.542164	4.656475	4.706242	4.623968	5.109264	5.173088	5.220033	4.811595	4.933671	5.119922
GRAMD1A	ENSG0000	-0.09718	5.61197	-1.09012	0.290464	0.408762	-6.62889	6.046458	6.03228	6.156798	6.701082	6.935393	6.799727	5.757368	5.813157	5.833973	4.728129	4.872886	4.869357	5.489122	5.370673	5.391172	4.841704	5.121165	4.86164
FXYD3	ENSG0000	0.310899	2.221757	5.753858	2.10E-05	0.000226	2.409575	0.216396	0.215206	0.323815	0.106501	0.25478	0.2349	0.269385	0.253663	0.256032	6.96951	6.951224	6.986712	7.374888	7.39301	7.435453	7.260586	7.297014	7.281357
CDIP1	ENSG0000	0.307226	4.739721	2.448305	0.02517	0.060282	-4.49423	3.476616	3.695626	3.55495	4.619522	4.500575	4.735009	4.330652	4.080322	4.151567	5.373815	5.446069	5.417941	5.55042	5.29912	5.491637	5.535505	5.712977	5.478356
CMTM1	ENSG0000	-0.4408	0.350766	-1.35105	0.193912	0.297778	-5.1908	1.602421	1.631689	1.499186	1.840866	1.556428	2.164723	1.459147	1.231675	1.01237	1.388276	1.190799	1.158083	0.745413	0.484926	0.593579	1.017342	1.118494	1.058313
GANAB	ENSG0000	-0.00099	9.63116	-0.03737	0.970615	0.981085	-7.69166	9.47455	9.514031	9.459716	9.150218	9.098638	9.17541	9.540306	9.523434	9.515792	10.07793	9.984073	9.998665	9.666508	9.647223	9.628022	9.978113	9.978399	9.984408
GMIP	ENSG0000	0.165038	3.48096	0.549569	0.589569	0.694043	-6.66916	4.117062	4.021717	4.138828	3.041869	3.457132	3.306732	3.115825	3.384264	3.557782	3.013555	2.980302	2.902498	4.362569	4.264807	4.381435	3.756329	3.72088	3.571657
RBM41	ENSG0000	0.170635	3.984103	2.23559	0.03869	0.084692	-4.62842	4.192962	4.299916	4.087767	4.502891	4.439897	4.518705	4.544628	4.413424	4.17992	3.730807	3.793073	3.674791	3.691919	3.927863	3.799527	3.787601	3.948889	3.865145
BIRC5	ENSG0000	0.300633	5.841189	1.315794	0.205242	0.311316	-6.52583	6.403797	6.24755	6.227583	5.573188	5.575689	5.608136	6.830364	6.961978	6.850006	6.485787	6.374623	6.506612	3.617489	3.752319	3.470269	6.51119	6.356484	6.469044
MLF2	ENSG0000	0.89838	7.743935	13.39381	1.26E-10	2.37E-08	14.56968	6.88979	6.995812	6.946372	7.937096	8.057652	7.918175	8.09536	8.068143	8.06595	7.326523	7.405305	7.463453	8.009034	8.054845	8.038419	8.118042	8.122526	8.009795
OTUB2	ENSG0000	-0.11537	2.623713	-0.79392	0.437889	0.559058	-6.62575	2.296082	2.332462	2.049454	1.634586	1.768674	1.250575	1.240874	1.231675	1.674905	4.660143	4.540416	4.801266	3.18974	3.162755	3.263113	4.752597	4.660745	4.762652
DDX24	ENSG0000	0.05415	7.777973	1.12392	0.276247	0.393656	-6.92363	7.378432	7.333883	7.317153	7.557676	7.628715	7.610927	7.383234	7.421052	7.420606	8.158135	8.096307	8.11812	8.082173	8.054495	8.068606	8.152982	8.164753	8.181655
ZBTB25	ENSG0000	-0.29891	3.364996	-3.66073	0.001863	0.007658	-1.64491	3.738482	3.628412	3.576275	3.376187	3.225109	3.59692	3.690999	3.285084	3.406029	3.812196	3.640966	3.774554	3.266686	3.470735	3.326666	3.383205	3.366281	3.509302
NECAP1	ENSG0000	0.211279	5.438332	3.507033	0.00261	0.010054	-2.42739	5.104131	5.263109	5.097747	4.927344	4.922581	5.063714	5.63569	5.567996	5.574002	5.735507	5.807818	5.824276	5.497128	5.501884	5.461619	5.895544	5.777374	5.859884
ARHGAP4	ENSG0000	0.629807	2.916108	2.4265	0.026319	0.062529	-3.73314	5.549554	5.617724	5.796906	5.794018	5.847955	5.730269	6.380303	6.305929	6.365259	0.834246	1.112482	0.846782	1.524131	1.320413	1.209118	0.974502	0.816175	0.580851
ANKRD24	ENSG0000	-0.34142	-0.02393	-1.19297	0.248826	0.362746	-5.36876	1.12723	1.118985	0.756332	1.182548	0.389229	1.188496	0.983587	0.509405	0.735084	1.028404	1.152172	1.305813	1.308151	1.591687	1.284217	1.099384	1.16325	0.93723
DHX32	ENSG0000	-0.04666	5.20854	-0.5645	0.579584	0.686089	-7.00548	5.655787	5.642269	5.541709	5.89871	5.930216	6.04688	5.469665	5.477302	5.566863	4.464232	4.517806	4.581101	5.354592	5.363901	5.371934	4.595365	4.559742	4.488745
RCOR1	ENSG0000	1.334757	5.74912	9.697725	1.88E-08	1.04E-06	9.591222	4.42241	4.429669	4.458888	6.171319	6.177895	6.172458	6.037254	6.107342	6.049058	5.398183	5.559265	5.361641	6.038027	6.013985	6.049658	6.534419	6.488751	6.578118
GPATCH2L	ENSG0000	-0.26749	5.787576	-2.85382	0.010767	0.030826	-3.85354	5.944347	5.926333	5.914599	5.1029	5.104628	5.143594	5.555064	5.686091	5.474506	6.18458	6.277022	6.092941	6.068434	6.114225	6.102489	5.969675	6.014158	5.998741
LTBP4	ENSG0000	0.355488	5.828271	4.094407	0.000718	0.003577	-1.17001	5.496078	5.718121	5.764758	5.720837	5.927456	5.691628	6.084526	5.999368	6.121501	5.460519	5.693098	5.63746	6.164057	6.146148	6.056369	5.958727	5.977034	5.765225
BLVRB	ENSG0000	0.06398	5.734635	0.738341	0.470106	0.589879	-7.04226	5.997269	5.916304	5.895639	6.041444	6.196355	5.935541	5.997126	6.085402	6.111723	5.642139	5.514285	5.797063	5.265535	5.170503	5.227188	5.690788	5.661257	5.590523
SLC9A1	ENSG0000	-0.34728	6.710806	-2.5831	0.019052	0.048416	-4.47574	7.59547	7.557483	7.623431	6.72406	6.711452	6.82545	6.856232	6.712874	6.776094	6.388521	6.343889	6.306242	6.440516	6.418651	6.387525	6.445064	6.43501	6.512078
SPTLC1	ENSG0000	0.226122	6.705201	3.988984	0.000905	0.004312	-1.50618	6.680407	6.734449	6.665891	6.789321	6.744756	6.712811	7.082655	7.116612	6.971222	6.54055	6.50966	6.490487	6.672421	6.669899	6.727345	6.579786	6.636931	6.626654
PAPOLA	ENSG0000	0.068604	7.820183	1.864576	0.079124	0.149227	-5.89423	7.642988	7.688768	7.673145	7.649698	7.617629	7.664642	7.770946	7.896066	7.765097	7.971812	7.982917	7.881597	7.932579	7.932422	7.966494	7.969151	7.91041	7.96597
CCNK	ENSG0000	-0.39357	6.17697	-5.01085	9.88E-05	0.000751	0.766498	6.610415	6.591773	6.534505	5.812513	5.624218	5.622881	6.037254	5.991525	6.038775	6.537562	6.44222	6.472617	6.17208	6.176092	6.189309	6.188132	6.220153	6.299774
PCBP4	ENSG0000	0.370976	3.513009	2.108832	0.049669	0.103125	-4.69991	3.801557	3.863696	3.906009	4.031135	4.1957	3.982555	3.853933	3.698786	3.979442	2.693825	2.753956	2.671369	4.097807	4.011117	4.01878	3.341669	3.431768	3.31642
YPEL3	ENSG0000	0.220264	2.838656	1.18287	0.252702	0.367156	-5.9826	2.548084	2.55562	2.37563	2.864145	3.188693	2.455733	2.186178	2.568641	2.670735	2.763691	3.023743	2.930089	4.397206	4.358622	4.464508	3.083983	3.347011	3.162857
MRPS33	ENSG0000	-0.17213	6.018039	-2.84899	0.010879	0.031076	-3.85421	6.292142	6.464039	6.377849	6.183212	6.137866	6.246684	6.089987	6.090306	6.206646	5.763061	5.870134	5.848577	5.98094	5.987797	6.000398	5.791406	5.629711	5.780706
NDUFB2	ENSG0000	-0.12819	6.09823	-2.97241	0.008353	0.025201	-3.59855	6.630407	6.655861	6.607531	6.594678	6.53232	6.391483	6.495888	6.558627	6.568371	5.733768	5.776414	5.790806	5.634118	5.733157	5.671993	5.689133	5.547687	5.565205
NUDC	ENSG0000	-0.12505	7.653701	-2.35428	0.030485	0.070018	-5.02205	7.689586	7.701671	7.63618	7.25594	7.336892	7.269593	7.319577	7.407361	7.326517	7.911915	7.919285	7.984419	7.759016	7.752291	7.690535	8.025654	8.001037	7.91427
MAEA	ENSG0000	-0.16228	6.883689	-2.18546	0.042733	0.091692	-5.26861	6.916495	6.953285	6.936098	6.402548	6.623812	6.430558	6.57201	6.417458	6.573723	7.054894	7.128952	7.271446	7.132263	7.083867	7.06742	7.278858	7.182098	7.111611
ICAM1	ENSG0000	0.37637	4.59185	2.181824	0.043042	0.092228	-4.99514	4.199669	4.268725	4.215584	3.162124	3.394558	3.432575	4.851577	4.790167	4.825493	5.012691	4.989766	4.956908	5.450064	5.280064	5.308139	5.201172	5.334317	5.227124
STRN4	ENSG0000	-0.2068	7.194708	-3.43491	0.003057	0.011394	-2.7803	7.035598	7.014736	7.132437	6.472063	6.650835	6.570993	6.739468	6.581449	6.622742	7.705065	7.688653	7.85065	7.561681	7.483773	7.490998	7.769435	7.687247	7.639542
MUL1	ENSG0000	0.392055	5.944534	9.346175	3.24E-08	1.58E-06	8.997768	5.557407	5.496413	5.408347	5.818626	5.847955	5.862876	5.904087	6.014928	5.94827	5.988432	5.936987	6.016711	6.307533	6.20921	6.211124	6.377818	6.294965	6.240231
TFAP4	ENSG0000	0.339421	4.203047	4.508916	0.000291	0.001745	-0.0559	3.454357	3.59862	3.638424	3.591402	3.759832	3.666886	4.143751	4.203129	4.16108	4.755823	4.752166	4.961372	4.555854	4.398927	4.464508	5.03391	5.045483	4.99276
PDCD7	ENSG0000	-0.09965	5.693016	-1.17908	0.254167	0.368871	-6.65793	5.98955	6.041536	5.93744	5.05192	4.911451	5.024275	5.93476	5.676339	5.822029	5.984048	5.928441	6.022062	5.591381	5.534411	5.69969	5.881119	5.997261	5.977786
SPG21	ENSG0000	-0.03296	6.630017	-0.72666	0.477055	0.596183	-7.17356	6.689964	6.734449	6.705141	6.866584	6.803133	6.83054	6.55434	6.53903	6.495043	6.497112	6.45517	6.541317	6.680177	6.721134	6.717217	6.608965	6.534186	6.637627
DNAJB11	ENSG0000	0.138253	6.524173	1.715444	0.103937	0.184126	-6.01945	6.428271	6.432017	6.398948	6.601785	6.495526	6.508848	6.508178	6.522796	6.447246	6.640499	6.644483	6.693963	6.236622	6.369917	6.26889	6.895416	6.791932	6.842239
P3H2	ENSG0000	0.482469	7.341891	2.138892	0.046834	0.098517	-5.18041	9.079002	9.07878	9.010956	10.11386	10.01917	10.06627	9.827391	9.805408	9.81727	4.623032	4.588222	4.598401	6.274378	6.221748	6.309903	4.566809	4.328771	4.311289
RAB11FIP3	ENSG0000	0.030608	5.485942	0.567307	0.57772	0.684572	-7.0969	5.819295	5.846194	5.794633	5.860706	6.059364	5.877705	5.771031	5.758745	5.713073	5.088159	5.167323	5.115519	5.287859	5.213825	5.250784	5.342644	5.287071	5.102428
GNPTG	ENSG0000	-0.15114	5.931903	-1.71768	0.103521	0.183526	-5.88386	6.044597	6.03599	6.135406	6.787763	6.872214	6.835612	5.93476	5.910652	5.986227	5.66057	5.533197	5.671915	5.891445	5.776294	5.821296	5.473398	5.493948	5.365554
ZNF268	ENSG0000	0.872764	5.137517	14.17936	5.06E-11	1.22E-08	15.57611	4.351916	4.406929	4.229112	5.388282	5.338674	5.171943	5.193472	5.400404	5.287386	4.899309	4.857962	4.71666	5.661447	5.809899	5.789427	5.496293	5.64557	5.63013
GOLGA3	ENSG0000	-0.17072	6.943973	-4.64554	0.000216	0.001378	-0.08739	7.314994	7.275453	7.356974	7.060883	7.018142	6.994845	7.210995	7.125001	7.171593	6.846112	6.934961	6.815444	6.703199	6.659798	6.695887	6.654627	6.676065	6.697111
PABPC4	ENSG0000	-0.10954	7.906899	-1.87133	0.078136	0.147696	-5.88091	8.391438	8.379937	8.420514	7.879051	7.869169	7.854636	8.166222	8.185087	8.210391	7.71524	7.667839	7.742956	7.637521	7.589622	7.630642	7.698814	7.694889	7.704177
CERS4	ENSG0000	-0.34246	2.748685	-1.74873	0.097878	0.175875	-5.01832	4.351916	4.360345	4.332993	3.944346	4.240862	3.97338	4.068294	4.203129	4.322386	2.14259	2.115463	1.820066	2.314863	1.970168	2.276326	1.250674	1.581179	1.504318
MCOLN1	ENSG0000	0.329066	3.467677	1.342652	0.196564	0.300941	-5.92201	2.568952	2.71221	2.883112	4.254996	4.343809	4.210498	3.539581	3.477062	3.681923	3.576295	3.913441	3.91004	3.581798	3.528394	3.533199	3.842237	3.603991	3.725851
USP48	ENSG0000	0.060995	6.213201	0.577354	0.571063	0.679787	-7.20598	6.239421	6.323886	6.207222	6.92583	6.772703	6.928742	6.415526	6.537235	6.37551	5.984048	6.00495	6.048527	5.828117	5.819829	5.958022	5.953221	5.884837	6.000631
EFNB1	ENSG0000	0.55297	2.711657	4.479665	0.00031	0.001841	0.333648	3.701161	3.608619	3.871922	3.988393	3.978251	3.897801	4.174919	4.09991	4.093134	1.388276	1.967585	1.780195	2.129525	1.993753	2.058312	2.448672	2.315011	2.200755
PDPR	ENSG0000	-0.35207	5.912285	-4.55028	0.000266	0.00162	-0.14631	6.515513	6.45852	6.577441	6.454505	6.259165	6.470234	6.382529	6.318523	6.284872	5.615934	5.737805	5.55125	5.703571	5.530385	5.659706	5.122419	5.009167	5.243178
AARS1	ENSG0000	-0.29697	8.163649	-5.40861	4.28E-05	0.000393	1.460091	8.464603	8.426257	8.446079	8.155064	8.124243	8.172843	8.083774	8.048117	8.073526	8.418801	8.330827	8.371193	7.85683	7.796126	7.820394	8.158973	8.110434	8.182072
GLG1	ENSG0000	0.031841	7.615235	0.308245	0.76154	0.832945	-7.495	7.390205	7.342147	7.250728	7.897938	7.832021	7.912186	7.224713	7.284357	7.274877	7.779049	7.735947	7.710508	7.67435	7.651633	7.700423	7.869644	7.825067	7.857001
KIF4A	ENSG0000	0.129712	5.113996	0.643334	0.528359	0.641604	-7.05803	5.795144	5.798943	5.690917	4.869634	4.917027	4.965334	6.062473	6.301706	6.1928	5.745902	5.657342	5.698897	2.902055	3.04352	3.010124	5.436388	5.485161	5.575386
TNRC6A	ENSG0000	0.316766	7.136093	6.69309	3.28E-06	5.40E-05	4.169807	7.107787	7.018491	7.042402	7.384094	7.325407	7.437461	7.501671	7.464198	7.491129	6.922174	6.914191	6.819138	7.00498	6.921193	7.013954	7.079136	7.023491	7.171559
PLEKHG2	ENSG0000	0.93242	5.503912	5.637408	2.66E-05	0.000268	2.320349	5.596044	5.7433	5.929176	7.26604	7.227834	7.325645	7.133784	6.972641	7.045009	4.146251	4.176619	4.227925	4.665059	4.604394	4.712374	4.289412	4.419196	4.399883
DLL3	ENSG0000	-0.31236	2.083745	-2.59937	0.018417	0.047095	-3.51186	2.90065	2.91921	3.090013	2.577385	2.549605	2.532704	2.446718	2.481727	2.616448	2.18395	2.115463	2.485514	1.878105	1.946191	2.07955	2.384669	2.078458	2.091498
NAT14	ENSG0000	-0.10292	4.622524	-1.56785	0.134841	0.22531	-5.97845	3.801557	3.912946	3.897563	4.041626	4.071202	4.233737	3.507292	3.384264	3.681923	5.300492	5.391149	5.427652	5.977511	5.920171	5.884506	5.461813	5.389513	5.201061
PITPNM2	ENSG0000	-0.10888	4.20184	-0.55279	0.587411	0.692396	-6.761	5.282121	5.352102	5.460888	5.359221	5.435093	5.2875	5.374422	4.849227	5.121883	3.50465	3.640966	3.567612	2.694919	2.627242	2.730245	3.865871	3.546022	3.805852
EXOC1	ENSG0000	0.012485	5.322844	0.101929	0.919973	0.947377	-7.22733	5.541658	5.685425	5.633581	5.547654	5.446705	5.566032	5.708501	5.669801	5.605699	4.905504	4.922503	4.862213	5.50191	5.625928	5.58556	4.838721	4.940116	4.906683
RBM27	ENSG0000	0.208844	4.533083	3.586201	0.002194	0.00869	-2.0799	4.363907	4.293732	4.275483	4.400654	4.408574	4.218286	4.651903	4.722281	4.626988	4.724629	4.827642	4.623968	4.656506	4.729072	4.745971	4.805497	4.877699	4.789136
OSBPL8	ENSG0000	-0.03304	5.820461	-0.41768	0.681264	0.771323	-7.24792	5.885257	5.893992	5.812715	6.183212	6.137866	6.096318	5.907184	5.935393	5.892253	5.808398	5.867156	5.852187	5.455005	5.708425	5.594809	5.689133	5.739082	5.785098
DTX2	ENSG0000	-0.24222	4.659249	-3.8696	0.001177	0.005329	-1.48259	4.595114	4.533044	4.641955	4.479932	4.515354	4.499659	4.111894	3.988732	4.243986	5.024124	4.978771	5.052059	5.233307	5.1936	5.103047	4.950708	4.884398	4.910709
PUS7	ENSG0000	-0.17411	5.882756	-2.00445	0.060767	0.121084	-5.44419	6.152226	6.22335	6.224209	6.05186	6.263548	6.261836	5.931722	5.783182	5.782514	5.829728	5.814017	5.849781	5.613644	5.455925	5.611309	5.775896	5.854454	5.868189
NRCAM	ENSG0000	0.588707	4.333184	2.175289	0.0436	0.093201	-4.30448	7.616922	7.69406	7.650074	8.467173	8.32633	8.460733	8.349842	8.315942	8.279712	1.278001	1.152172	1.248523	2.027088	1.946191	2.220059	0.63264	0.975239	0.999041
LAMB1	ENSG0000	0.632489	8.722155	7.698489	5.12E-07	1.27E-05	6.02951	10.02438	10.02113	10.07412	10.70981	10.63416	10.70407	10.52409	10.49813	10.54955	6.656198	6.662632	6.553934	7.146076	6.908064	7.072726	7.489398	7.433448	7.453367
DLD	ENSG0000	-0.1659	7.080645	-2.8618	0.010586	0.030418	-3.93151	7.937893	7.967061	7.887713	7.659948	7.573295	7.645996	7.890773	7.922432	7.863065	6.504273	6.534276	6.563508	6.303887	6.372168	6.364998	6.200965	6.177154	6.307429
WDR7	ENSG0000	0.093998	3.575435	0.880893	0.390328	0.512042	-6.41574	3.719942	3.647938	3.65856	4.281793	4.327153	4.264152	3.866715	3.90213	3.681923	3.536933	3.447177	3.393562	3.5452	3.357127	3.486261	3.383205	3.571152	3.498643
TXNL1	ENSG0000	-0.05564	5.426362	-0.67555	0.508166	0.623953	-6.88609	7.099743	7.024105	7.064264	6.746677	6.706631	6.677936	7.094929	7.133342	7.159779	4.13575	4.132653	4.278887	3.865227	3.940055	4.013272	3.830273	3.779553	3.984547
CMTM6	ENSG0000	0.013817	7.152867	0.361679	0.721927	0.803188	-7.44981	6.489753	6.410744	6.464749	6.838281	6.740045	6.803615	6.534451	6.627726	6.502546	7.666828	7.702504	7.711171	7.811965	7.859679	7.851979	7.638346	7.62211	7.677843
ITGA6	ENSG0000	1.62839	6.621492	9.05853	5.12E-08	2.24E-06	8.509991	6.312393	6.352432	6.188303	7.698579	7.542061	7.683753	7.980977	8.02589	7.936914	5.501993	5.542561	5.39172	5.539608	5.487419	5.471694	6.98042	6.905782	6.982725
RAPGEF4	ENSG0000	-0.07111	0.030133	-0.2358	0.81633	0.874144	-5.86954	2.505419	2.403106	2.579475	2.661411	2.299368	2.346268	2.303642	2.108984	2.202855	0.190076	0.398185	0.288049	0.5125	0.612281	0.263213	0.393424	0.433238	0.497646
MAP3K20	ENSG0000	-0.23069	6.571747	-5.50375	3.51E-05	0.000337	1.804333	7.59547	7.522871	7.516482	6.770523	6.746323	6.816499	7.244436	7.286496	7.165698	6.251766	6.2759	6.201645	5.594369	5.618361	5.668493	6.08995	6.060737	6.178124
FH	ENSG0000	-0.17031	6.734817	-4.21432	0.000552	0.002915	-0.97331	7.842564	7.875821	7.879695	7.541135	7.430506	7.421526	7.65783	7.77792	7.713501	6.028718	5.980355	6.129102	5.511428	5.562284	5.627622	5.902702	5.849327	5.804702

SEL1L3	ENSG0000	0.646607	6.853646	3.792828	0.001393	0.006096	-1.94241	7.446968	7.408758	7.393475	6.691121	6.52686	6.687786	8.305348	8.303853	8.355726	6.108753	6.179557	6.107112	6.204712	6.221748	6.212326	6.538102	6.455398	6.479923
CDV3	ENSG0000	-0.11324	7.890976	-2.8638	0.010541	0.030323	-4.01787	8.216912	8.221179	8.196973	8.022325	7.914473	7.935405	8.162987	8.21795	8.107749	7.830827	7.740837	7.811934	7.620032	7.642803	7.644069	7.599225	7.613064	7.653424
ALKBH5	ENSG0000	0.136893	6.514976	1.722097	0.1027	0.182594	-5.99009	6.740277	6.713753	6.733892	6.827712	6.987996	6.850722	6.88479	6.772065	6.808235	6.300766	6.299289	6.283249	6.017022	6.003857	5.942167	6.504618	6.375629	6.523954
NLRP1	ENSG0000	-0.26476	2.438104	-2.35904	0.030193	0.069472	-4.5109	0.503316	0.8079	0.898566	1.457877	1.307481	1.310092	0.548589	1.001115	0.515351	5.364851	5.344801	5.197272	5.26928	5.308554	5.358964	4.853574	5.045483	5.230349
PITPNM3	ENSG0000	-0.30014	2.978634	-1.31195	0.206507	0.312859	-6.11268	3.17016	2.853456	2.916938	1.519216	1.612488	1.714252	1.240874	0.824004	0.833554	4.809665	4.641483	4.735026	4.948071	4.79096	4.863891	4.856526	4.854006	4.567359
SPAG7	ENSG0000	-0.28496	5.894879	-5.05959	8.91E-05	0.000694	0.965717	6.77549	6.779404	6.816862	6.388234	6.499248	6.418777	6.495888	6.48419	6.584368	5.411303	5.329736	5.442097	5.256131	5.345687	5.280893	5.20581	5.009167	5.084719
ORC6	ENSG0000	-0.10045	4.61216	-0.47453	0.640995	0.738947	-7.0693	5.423458	5.533626	5.56323	4.562385	4.376555	4.372816	5.515028	5.550308	5.541593	5.424305	5.331897	5.285361	2.25569	2.416542	2.257813	5.127316	4.993761	5.167806
ZFHX4	ENSG0000	-0.23411	3.46744	-1.51125	0.148594	0.242976	-5.72461	3.487617	3.686213	3.88052	3.255206	3.242978	3.292047	3.296733	3.415864	3.373665	3.599408	3.799336	3.48321	4.135224	4.051009	4.311352	3.383205	3.37582	3.716682
ZC3HC1	ENSG0000	-0.25551	5.013105	-3.81341	0.001331	0.005886	-1.63494	5.670345	5.683061	5.693359	5.1029	5.079986	5.114677	5.473848	5.567996	5.427983	4.893087	4.799799	4.972471	4.571104	4.585115	4.667494	4.584723	4.508628	4.694231
RGS17	ENSG0000	-0.30853	0.452779	-1.79395	0.09014	0.164428	-4.78835	1.384302	1.327092	1.406977	0.52061	0.389229	0.746642	1.074544	0.824004	1.171446	1.787595	2.285719	2.152295	1.218025	0.986036	1.08859	1.708352	2.254246	1.942153
TMEM101	ENSG0000	-0.25489	4.952772	-4.11793	0.000682	0.003435	-0.96638	5.285277	5.059469	5.152017	4.99368	5.119213	5.068031	4.956946	4.747338	5.072328	4.983707	4.967692	5.056239	5.150455	5.101623	5.034009	4.835732	4.725598	4.698895
CCDC80	ENSG0000	-0.55554	4.795262	-3.45266	0.002941	0.01106	-2.3531	4.42241	4.299916	4.574673	5.59472	5.48099	5.608136	3.988671	4.282412	3.957772	5.286319	5.100422	5.249309	5.313474	5.24855	5.257788	4.365992	4.588743	4.712796
PSME1	ENSG0000	0.077079	7.839276	1.685041	0.109751	0.192199	-6.18551	7.376953	7.39438	7.283513	7.393339	7.485017	7.458985	7.3219	7.322372	7.316974	8.17522	8.087698	8.141912	8.508506	8.539003	8.531916	8.270532	8.28354	8.338571
PPP2R3C	ENSG0000	-0.40538	4.521973	-7.3656	9.32E-07	2.03E-05	5.782241	5.004246	5.116644	5.045184	5.015132	4.894593	4.874612	4.681143	4.80814	4.776822	4.569418	4.521599	4.45065	4.218931	4.24529	4.242405	3.962207	4.094656	4.058989
HAUS4	ENSG0000	0.043774	3.145241	0.430494	0.672098	0.763993	-6.62231	3.541402	3.944869	3.773804	3.425084	3.295295	3.485165	3.555458	4.060466	3.796224	2.978724	2.958081	3.060643	2.749557	2.875953	2.99902	2.979529	2.985098	3.135595
OSGEP	ENSG0000	-0.1259	4.361879	-1.32848	0.201105	0.306248	-6.23595	4.548594	4.262405	4.345467	3.851999	3.670226	3.765857	4.274204	4.562048	4.3476	4.742042	4.799799	4.862213	4.673561	4.649638	4.639165	4.755763	4.555551	4.520707
SLC22A17	ENSG0000	1.368753	-1.35506	3.29672	0.004136	0.014487	-1.83962	1.475543	1.551021	1.30847	3.714523	3.867423	3.91707	2.832807	2.511284	2.77354	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RNF31	ENSG0000	-0.08346	4.326358	-0.87754	0.392098	0.513738	-6.7558	3.420312	3.196163	3.190238	3.944346	4.158524	3.744443	3.158032	3.141256	3.124172	5.393783	5.417853	5.408164	5.411614	5.40626	5.433027	5.378002	5.348921	5.249549
SCFD1	ENSG0000	-0.03765	6.379832	-0.61416	0.547018	0.657973	-7.24475	6.152226	6.146502	5.869964	5.895822	5.949389	5.935541	6.040078	6.050595	5.892253	6.77684	6.714091	6.711956	6.933033	6.991704	6.951967	6.708723	6.712283	6.737337
G2E3	ENSG0000	0.103704	5.334492	1.416726	0.174141	0.27452	-6.3237	4.702888	4.424018	4.526184	4.784753	4.745876	4.531264	4.914487	5.093515	4.895553	6.161471	6.111977	6.091924	5.812803	5.927843	5.818141	6.072282	6.023291	6.109724
HECTD1	ENSG0000	-0.05865	7.780189	-1.03008	0.317016	0.436805	-7.02461	7.318849	7.368132	7.412126	7.460359	7.510137	7.643829	7.463262	7.468913	7.370233	8.227462	8.342132	8.158288	8.033736	8.099349	8.054597	8.111878	8.032664	8.092756
HNRNPC	ENSG0000	0.074538	9.651169	2.653643	0.016442	0.043065	-4.56152	9.7382	9.721916	9.715221	9.564951	9.524427	9.5889	9.840612	9.840217	9.866981	9.669413	9.595168	9.629806	9.461661	9.520136	9.497141	9.65046	9.656611	9.672736
SUPT16H	ENSG0000	-0.06364	8.488247	-1.93816	0.06893	0.133533	-5.83938	7.949876	7.919654	7.885579	7.532793	7.48783	7.624178	7.740886	7.873483	7.741513	9.339979	9.319725	9.309025	9.059032	9.072661	9.084052	9.308733	9.313983	9.310307
TOX4	ENSG0000	0.094312	6.868532	1.585916	0.130684	0.220041	-6.25779	6.111912	6.056225	5.968016	6.168929	6.214581	6.308185	6.330422	6.280406	6.265158	7.471887	7.412473	7.444047	7.832675	7.833368	7.8566	7.441049	7.43687	7.456813
GEMIN2	ENSG0000	-0.17542	3.910273	-2.15679	0.045217	0.095702	-4.89998	3.747663	3.991467	3.586821	3.142765	2.881616	3.364021	3.507292	3.415864	3.254305	4.755823	4.662249	4.711369	4.483553	4.459468	4.41524	4.640597	4.521577	4.744721
TGM1	ENSG0000	-1.02885	0.039181	-4.51694	0.000286	0.00172	0.523415	1.791852	1.173893	1.146821	1.182548	0.92021	0.909432	0.983587	1.001115	1.171446	1.352446	1.467416	1.248523	1.088368	0.837535	1.002253	0.63264	0.637375	0.734116
TINF2	ENSG0000	0.401508	5.436374	6.925532	2.11E-06	3.91E-05	4.795412	4.564268	4.609725	4.616447	5.464331	5.57921	5.643273	5.183289	5.302366	5.067277	5.464721	5.4835	5.577658	6.189971	6.192746	6.208716	5.772774	5.814676	5.77188
SEMA6A	ENSG0000	0.49199	3.251084	2.107129	0.049834	0.103333	-4.66691	3.071243	2.853456	2.966237	4.190466	4.061165	4.271657	3.953155	3.833587	4.00079	3.367773	3.166245	3.339716	3.039964	2.888589	2.756856	3.374993	3.204393	3.021085
TRPM7	ENSG0000	0.198804	6.255596	1.814319	0.086832	0.15998	-5.78892	6.581182	6.690403	6.674569	6.650575	6.508511	6.752237	7.100351	7.193836	7.042438	5.710958	5.758847	5.656856	5.929806	5.940035	5.937812	5.60386	5.541343	5.703906
TYRO3	ENSG0000	0.400667	4.168856	2.990206	0.00804	0.024405	-3.19251	4.381709	4.424018	4.498524	4.910272	4.776871	4.76722	4.716879	4.405576	4.380548	3.536933	3.562131	3.779618	3.956313	3.591587	3.939687	4.32821	4.357943	4.249053
WDR76	ENSG0000	0.224066	4.431821	1.243919	0.229955	0.340781	-6.3623	5.139438	5.154678	5.217952	4.199863	4.408574	4.30129	5.387786	5.376512	5.355259	4.809665	4.854958	4.801266	2.638129	2.307842	2.382676	5.031299	5.018332	5.084719
SNAP23	ENSG0000	0.291311	5.882572	2.585629	0.018952	0.048203	-4.36534	5.891483	5.877545	5.828353	5.935739	5.957528	5.899666	6.089987	6.133713	5.978177	5.393783	5.454031	5.483033	6.282738	6.392273	6.317744	5.744367	5.866346	5.819768
PHGDH	ENSG0000	0.007437	7.01309	0.108223	0.915052	0.943606	-7.50245	7.558775	7.53603	7.593021	6.386177	6.552164	6.580088	7.77773	7.819125	7.811141	7.284953	7.182643	7.333458	6.078073	5.968584	5.855558	7.032907	7.060931	7.053622
COL9A3	ENSG0000	0.086989	-0.08933	0.323025	0.750509	0.825165	-6.00422	0.667115	0.582935	0.756332	0.934951	1.006428	0.563119	1.160105	0.622068	1.0941	1.116489	1.403073	1.277453	1.218025	1.357245	1.08859	1.177011	1.478665	0.734116
EZR	ENSG0000	-0.29472	9.348987	-2.20023	0.041503	0.089647	-5.4178	9.705885	9.643384	9.67455	8.63634	8.735826	8.659022	9.198379	9.18786	9.218911	9.583036	9.47475	9.536033	9.625373	9.624623	9.623962	9.347153	9.41763	9.431373
MYL6	ENSG0000	0.076344	8.034867	2.472231	0.023964	0.058086	-4.79412	8.108841	8.073775	8.022	8.667578	8.701505	8.676442	8.151933	8.129588	8.121215	7.545137	7.550679	7.469341	8.20138	8.222991	8.27198	7.617614	7.623612	7.578216
AGO1	ENSG0000	-0.07822	5.240758	-1.20734	0.243388	0.356241	-6.54805	4.794334	4.796272	4.921495	4.821743	4.662026	4.829562	4.926746	4.949799	4.872576	5.80177	5.81247	5.63746	5.868176	5.760913	5.850933	5.713762	5.502682	5.544626
CLSPN	ENSG0000	-0.21551	4.185632	-1.04584	0.309884	0.429639	-6.62808	4.315334	4.527784	4.275483	3.342644	3.517104	3.405543	4.057185	4.221128	4.141991	5.769868	5.732906	5.678708	2.479079	2.686334	2.604018	5.515099	5.511363	5.489166
RFFL	ENSG0000	-0.75175	5.186843	-9.51838	2.48E-08	1.29E-06	9.343817	6.068608	6.088736	6.100872	4.727426	4.7142	4.884435	5.188389	4.987092	4.989319	5.645844	5.694779	5.696222	4.515435	4.657043	4.635585	5.275849	5.135275	5.130317
UNC13D	ENSG0000	0.296597	4.355905	3.104155	0.006287	0.020221	-3.29389	2.27083	2.332462	2.166567	2.359902	2.660129	2.164723	1.648695	1.367163	1.620777	6.94039	6.927833	6.980128	7.016723	7.000462	6.92582	7.377727	7.35604	7.26179
MFSD11	ENSG0000	-0.00232	4.864271	-0.02329	0.981679	0.988061	-7.13273	5.082524	5.091908	4.929803	5.342348	5.152684	5.313181	5.36994	5.327507	5.304656	4.497421	4.637993	4.721931	4.914988	4.837324	4.938437	4.332457	4.38181	4.317368
DPYSL2	ENSG0000	0.753276	6.104292	4.809893	0.000152	0.001052	0.42933	6.663528	6.768296	6.775973	7.514081	7.468025	7.403707	7.474788	7.488551	7.412664	4.886838	4.981528	4.828401	4.589193	4.541772	4.67449	5.59858	5.641622	5.694596
TGFB2	ENSG0000	-0.45334	6.837001	-2.81665	0.011654	0.03285	-3.99532	7.307253	7.230833	7.282702	7.288236	7.160092	7.316604	7.154781	6.955272	7.055249	6.528559	6.382987	6.489715	7.259141	7.224447	7.273257	5.752314	5.819927	5.838909
GPATCH2	ENSG0000	0.506727	4.598539	5.384457	4.50E-05	0.000408	1.853101	4.569455	4.594711	4.706239	4.960893	4.871804	5.006395	5.257962	5.352217	5.308941	4.054455	4.045764	4.100159	4.676384	4.649638	4.649854	4.386563	4.395944	4.317368
NUP50	ENSG0000	-0.04707	6.509941	-0.61486	0.546569	0.657665	-7.25123	6.74716	6.768296	6.708766	6.456466	6.453938	6.584614	6.808999	6.855094	6.783812	6.740049	6.680555	6.662095	5.79473	5.901588	5.937812	6.513997	6.518123	6.564127
CDC45	ENSG0000	-0.25509	3.836029	-1.28644	0.215069	0.323501	-6.23459	4.131163	4.336476	4.370098	3.20008	3.531716	3.445903	4.185161	4.019913	4.103038	4.977839	5.046155	5.054151	2.193986	2.169719	2.449456	4.67445	4.755137	4.731125
COMT	ENSG0000	-0.06336	6.246198	-1.17811	0.254544	0.369229	-6.71259	6.003031	5.887846	6.076759	6.1997	6.331931	6.051247	5.937792	5.885479	6.069409	6.509367	6.504877	6.545039	6.517314	6.550731	6.440813	6.421335	6.487651	6.367248
ECHDC1	ENSG0000	0.062927	5.835514	0.86787	0.397226	0.518911	-6.92223	6.102997	6.07618	5.984061	6.514103	6.452019	6.363663	6.366869	6.28255	6.369368	5.508112	5.40559	5.435695	5.485908	5.640943	5.696257	5.235596	5.258994	5.350812
LRRFIP2	ENSG0000	-0.41538	5.350407	-3.60781	0.002092	0.008377	-2.16964	5.851589	5.924332	5.83279	5.082724	5.034541	5.143594	5.021241	4.944392	4.929347	5.532334	5.487385	5.528867	5.423425	5.401859	5.405959	5.430457	5.539222	5.45649
SEC22C	ENSG0000	0.373793	5.697275	3.594246	0.002155	0.008571	-2.20348	5.677569	5.678322	5.628485	6.542081	6.523209	6.543358	6.187456	6.326859	6.229433	5.257549	5.181778	5.256592	5.373851	5.292003	5.321571	5.334197	5.401238	5.33891
XYLB	ENSG0000	-0.57475	3.140045	-4.76046	0.000169	0.001146	0.71047	3.756787	3.676739	3.96379	2.325974	2.490996	3.03415	2.779728	2.981485	2.748518	3.991785	3.836353	3.977706	3.074617	2.925848	3.085545	3.581796	3.562824	3.814473
HDAC6	ENSG0000	-0.69268	5.77721	-11.4357	1.53E-09	1.50E-07	12.13593	6.426843	6.386249	6.435874	5.677771	5.859584	5.643273	5.574674	5.602735	5.616111	6.005835	6.00495	5.964298	5.71185	5.642809	5.64197	5.414519	5.474101	5.403191
CDC6	ENSG0000	-0.25294	5.878526	-1.02301	0.320256	0.439908	-6.8878	6.40089	6.316279	6.398948	5.222985	5.431202	5.272617	5.726144	5.885479	5.842866	7.043704	6.958938	7.013828	4.01993	3.958151	3.996621	6.974318	6.95275	7.01019
UPRT	ENSG0000	-0.06664	3.376679	-0.50821	0.617658	0.718384	-6.60552	3.783815	3.768792	3.931056	3.977507	3.734793	4.138446	4.215456	3.809996	4.151567	3.226465	3.195032	3.203153	3.236398	3.223865	3.308792	3.103995	2.680939	2.706008
CDC23	ENSG0000	-0.26317	6.38991	-7.58001	6.32E-07	1.51E-05	5.903143	6.456542	6.384795	6.484623	6.041444	5.943937	5.902086	6.187456	6.265306	6.218085	6.900626	6.84549	6.836859	6.389816	6.420828	6.356323	6.527953	6.584417	6.595729
AAAS	ENSG0000	-0.1737	5.818602	-3.12259	0.006041	0.019625	-3.24596	6.3789	6.347962	6.27237	6.154502	6.182532	6.182445	6.351036	6.284691	6.323509	5.682381	5.544427	5.619214	5.311659	5.32724	5.422676	5.231053	5.336761	5.277879
CBX5	ENSG0000	-0.4144	7.380655	-3.53699	0.002444	0.00952	-2.56647	7.929345	7.908567	7.893565	7.283824	7.155382	7.329246	7.356296	7.505173	7.351659	7.85143	7.910994	7.723378	6.387234	6.5287	6.419109	7.523233	7.430018	7.535835
SUCO	ENSG0000	-0.25553	7.04799	-2.1232	0.048295	0.100949	-5.37599	7.234013	7.189792	7.185441	7.554932	7.38194	7.597553	6.822184	6.741215	6.911887	7.116273	7.162135	7.073809	6.737395	6.733445	6.72482	6.985149	6.955933	6.961535
MSH2	ENSG0000	-0.20299	6.072778	-2.55739	0.020098	0.050513	-4.50486	6.263624	6.276063	6.155027	5.082724	5.104628	5.2875	5.582443	5.774066	5.683673	6.811892	6.735479	6.728419	5.881693	6.00095	6.005955	6.860548	6.71792	6.786366
MAP3K1	ENSG0000	-0.30284	4.790936	-4.51564	0.000286	0.001725	-0.15307	4.321496	4.412648	4.453135	3.815786	3.759832	3.838399	4.000319	4.070428	4.032233	5.776643	5.790631	5.673276	5.609219	5.674166	5.64909	5.398403	5.547687	5.515842
DHPS	ENSG0000	-0.01536	5.867917	-0.25747	0.799825	0.861197	-7.32253	6.06494	6.026697	5.889263	5.691159	5.853781	5.749208	6.059692	6.063123	6.025816	5.880929	5.855181	5.860576	5.901131	5.941552	5.835411	5.833967	5.793479	5.754064
HOOK2	ENSG0000	-0.24745	3.739036	-3.66498	0.001845	0.007602	-1.78777	3.210562	3.07157	3.029452	3.591402	3.378481	3.27721	2.696258	2.596487	2.616448	4.58494	4.555295	4.698057	4.96664	4.941053	5.052924	4.515433	4.473517	4.359215
ARCN1	ENSG0000	-0.0324	8.378157	-0.98723	0.337002	0.457921	-7.10852	8.069568	8.141632	8.091688	8.134997	8.071469	8.11457	8.13288	8.135531	8.147774	8.752711	8.740663	8.70829	8.57639	8.573162	8.572508	8.645366	8.598691	8.680839
EPB41L4B	ENSG0000	-0.20706	6.420528	-3.52759	0.002495	0.009676	-2.50611	5.87482	5.798943	5.837213	6.05186	5.859584	5.97515	5.531176	5.503276	5.609178	7.223056	7.201091	7.194851	6.985194	7.076293	7.061428	7.040716	6.994371	7.096668
TMEM38B	ENSG0000	0.778247	4.637275	4.493744	0.0003	0.001795	-0.11731	3.593253	3.695626	3.88052	4.733909	4.764552	4.78306	5.228555	5.237527	4.91817	4.899309	4.933933	4.763423	4.44765	4.588991	4.56581	5.228777	5.126826	5.214151
PSMD5	ENSG0000	0.175773	6.789406	3.687382	0.001757	0.0073	-2.18635	6.531548	6.636443	6.480387	6.664217	6.639075	6.598108	6.854629	6.885038	6.879118	6.948663	6.937803	6.99762	6.771459	6.800174	6.789886	6.991206	7.033319	7.013938
PTGS1	ENSG0000	0.72839	0.05384	2.036035	0.057193	0.115301	-4.22077	1.12723	1.118985	1.499186	0.395333	0.512209	0.746642	1.588238	1.901414	1.38134	0.669294	0.799097	0.884879	1.154653	1.357245	1.209118	1.017342	1.2488	1.273688
NUP188	ENSG0000	0.010748	7.666313	0.189218	0.852102	0.900467	-7.54392	7.612531	7.558128	7.594328	7.318746	7.294681	7.355084	7.708413	7.655861	7.646508	8.113008	8.037915	8.040345	7.375322	7.34568	7.441618	8.061276	7.96436	8.004153
CRAT	ENSG0000	0.567089	5.254338	7.091058	1.55E-06	3.03E-05	5.220689	5.665509	5.661609	5.748412	6.55861	6.592794	6.381113	6.217704	6.128954	6.157591	3.688323	3.884278	4.033888	5.038617	5.000472	5.079521	4.60593	4.584635	4.411295
NANS	ENSG0000	-0.15035	5.87424	-2.85693	0.010696	0.030661	-3.84953	6.119004	6.092304	6.057932	5.636843	5.713437	5.605169	5.733141	5.75257	5.851705	6.070669	6.111977	6.166313	5.693852	5.699488	5.616767	6.152543	6.066639	6.05439
TBC1D2	ENSG0000	0.101353	5.01073	0.732854	0.473363	0.592817	-6.98373	4.516725	4.164126	4.44736	4.440838	4.478119	4.30129	3.523527	3.491964	3.406029	5.627223	5.636504	5.680063	6.511002	6.401119	6.445932	6.146525	6.062215	5.975866
WHRN	ENSG0000	-0.23401	4.161839	-2.04323	0.056406	0.114069	-4.94	4.559062	4.484999	4.676925	5.384166	5.488499	5.408166	4.428731	4.38177	4.459769	3.838337	3.70241	3.685623	3.993008	3.940055	3.880413	3.538334	3.449945	3.228839
CWF19L1	ENSG0000	-0.30674	4.524171	-4.35394	0.000407	0.002285	-0.37491	5.391599	5.435922	5.393406	4.359318	4.522687	4.414089	5.099133	4.955186	4.956916	4.5772	4.386688	4.488257	3.86027	3.933972	3.985412	4.345124	4.328771	4.21038
SEMA4G	ENSG0000	0.324457	2.78186	2.07563	0.052982	0.108578	-4.53163	3.729242	3.547555	3.607684	3.688057	4.091068	3.797394	3.841036	3.798055	3.90213	1.91588	1.945166	1.718241	2.638129	2.756951	2.795875	2.192442	2.274787	2.174206
BTAF1	ENSG0000	0.035757	5.860417	0.451129	0.657443	0.752972	-7.21361	6.4453	6.506104	6.454708	6.211362	6.076905	6.351321	6.577851	6.607341	6.644947	5.417818	5.50665	5.230939	5.235223	5.357098	5.447393	5.191852	5.297147	5.423057
IKZF5	ENSG0000	0.521483	3.338139	3.920293	0.001053	0.004878	-1.03415	3.27548	3.382531	3.217639	3.591402	3.820593	3.643939	4.068294	4.09991	4.235006	3.123934	3.096753	2.957162	3.669424	3.487446	3.421201	3.236813	3.171908	3.202807
BLNK	ENSG0000	-0.49737	-1.09626	-2.48398	0.023391	0.057019	-3.56143	0.106501	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	2.320032	2.174476	2.435052	2.24051	2.190279	2.399663	1.833493	1.795362	1.665483
SORBS1	ENSG0000	-0.20039	1.153761	-1.02107	0.321146	0.440748	-5.7637	2.080492	2.009193	2.492412	1.519216	1.307481	1.475193	1.917967	1.430416	1.727075	1.704765	1.498542	1.915176	1.667235	1.393161	1.247156	1.708352	1.766644	2.091498
BAMBI	ENSG0000	-0.32854	-0.07138	-1.38758	0.182704	0.28443	-5.06252	4.726299	4.644161	4.696533	4.740363	4.733289	4.592471	4.376062	4.273815	4.534865	0.190076	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
IL11	ENSG0000	0.692165	2.783798	2.133438	0.047337	0.099297	-4.61102	2.392887	2.513665	2.600444	2.955742	2.835252	2.741673	4.215456	4.166444	4.339245	3.496465	3.406729	3.754117	1.838325	1.738515	1.826726	3.190769	3.307681	3.050576
WAC	ENSG0000	0.137663	7.079837	2.845231	0.010966	0.031289	-3.99298	7.218413	7.236486	7.240746	7.126413	7.132797	7.196566	7.54506	7.518879	7.529277	6.995878	6.903329	6.910271	6.769478	6.756895	6.801916	6.904716	6.918892	6.932128
CREM	ENSG0000	1.575338	4.261349	6.650961	3.55E-06	5.73E-05	4.603904	5.325688	5.413282	5.322611	6.963558	6.747888	6.961592	7.071657	7.068959	7.237147	2.409929	2.267764	2.422156	2.28558	2.326537	2.23906	2.583072	2.601856	2.507643
NUBP2	ENSG0000	-0.09007	5.906544	-1.25091	0.227453	0.338023	-6.57032	5.946343	5.944211	6.027288	5.952514	6.135476	5.885062	5.897874	5.695778	5.782514	5.844313	5.877552	6.097004	6.050049	5.915547	5.956588	6.081143	6.01263	5.661529
HIVEP1	ENSG0000	-0.16536	5.280588	-1.54695	0.13979	0.231489	-6.06128	5.560015	5.507143	5.602736	5.380038	5.190008	5.331249	5.54317	5.276779	5.523269	5.170202	5.108011	5.133432	5.500318	5.514168	5.557452	4.950708	4.90431	4.988957
FKBP5	ENSG0000	-0.46237	4.761383	-2.26137	0.03675	0.08135	-4.77857	5.049495	5.081176	5.086643	5.346585	5.379635	5.45506	4.6145	4.728586	4.700591	5.167627	5.152722	5.101431	4.002038	3.896925	4.104162	4.473742	4.769683	4.622403
SRPK1	ENSG0000	-0.21259	6.717107	-2.41119	0.027155	0.064034	-4.83152	6.88979	6.841137	6.840189	6.598236	6.679002	6.578576	6.534451	6.486052	6.421751	7.082496	7.039189	7.062426	6.397536	6.37666	6.396015	6.970235	6.969385	7.002666
BRPF3	ENSG0000	0.510185	6.273785	4.706517	0.00019	0.001252	0.097627	5.501516	5.485601	5.443586	6.195008	6.216843	6.217839	6.473082	6.295349	6.443353	6.506313	6.538026	6.50432	6.499889	6.365404	6.460172	6.693119	6.755857	6.692441
MRPS18A	ENSG0000	-0.33583	5.825598	-4.20623	0.000562	0.002958	-0.94801	6.253992	6.241136	6.244333	5.20443	5.253089	5.211499	5.840713	5.888297	5.880784	6.164057	6.113234	6.202588	5.7445	5.68869	5.791038	5.895544	5.842463	5.882609
TMEM14A	ENSG0000	0.175818	4.38161	2.071744	0.053382	0.10921	-5.04617	4.073915	4.043996	4.124423	4.753186	4.807214	4.651187	4.302704	4.307901	4.45204	4.517783	4.502533	4.271716	4.592186	4.541772	4.663983	4.555953	4.377068	4.602629
EFHC1	ENSG0000	-0.00572	3.655012	-0.04555	0.964185	0.976735	-6.78851	3.928091	3.855322	4.02711	4.456603	4.594038	4.580436	3.571163	3.462004	3.69508	3.0698	3.322263	2.87437	4.080861	4.230476	4.046009	3.254827	3.413359	3.509302
HSP90AB1	ENSG0000	0.067791	11.27583	1.402987	0.178136	0.279271	-6.79593	11.20142	11.1921	11.17004	11.22259	11.14891	11.19668	11.14017	11.13233	11.14365	11.42584	11.36412	11.30582	11.21532	11.24743	11.25662	11.50733	11.51974	11.58572
CDC5L	ENSG0000	0.03432	6.241934	0.861485	0.400636	0.522264	-7.04851	6.02018	5.956007	5.99598	5.812513	5.72937	5.902086	6.202659	6.095194	6.069409	6.667178	6.674605	6.645547	6.348819	6.348353	6.366079	6.630683	6.578233	6.672425
ITPR3	ENSG0000	0.625285	6.845582	4.5822	0.000248	0.00154	-0.2158	6.281119	6.229843	6.306268	7.352844	7.442154	7.302936	7.050806	6.862281	6.897731	6.621808	6.725647	6.544295	6.803448	6.679929	6.741572	7.183332	7.222972	7.212088
ZNF184	ENSG0000	1.354382	2.923211	9.557536	2.33E-08	1.25E-06	9.476317	1.719036	1.849715	1.706811	3.863871	3.630051	3.472196	3.523527	3.415864	3.124172	2.650221	2.531245	2.7037	3.965575	3.964133	3.831176	3.415594	3.579432	3.601852
DSP	ENSG0000	-0.17205	6.037168	-1.35537	0.192559	0.296114	-6.53009	4.302931	4.412648	4.48167	4.062381	4.240862	4.460795	3.296733	3.26787	3.064594	8.248327	8.48059	8.115869	8.099367	8.122267	8.108543	8.283204	8.253778	8.374361
SIRT1	ENSG0000	-0.27675	4.961862	-4.22797	0.000536	0.002844	-0.67913	5.843047	5.713495	5.738987	5.704425	5.465853	5.602196	5.63569	5.567996	5.523269	4.541844	4.665681	4.491347	4.376523	4.450973	4.320301	4.236002	4.035699	4.341429
HNRNPH3	ENSG0000	-0.05442	7.176949	-0.86889	0.396682	0.518249	-7.13002	7.421378	7.395824	7.345376	7.019026	6.903447	6.998241	7.232141	7.339981	7.344371	7.457729	7.366815	7.457935	6.649617	6.613925	6.640693	7.378754	7.375785	7.433217
IFT74	ENSG0000	-0.45407	3.745319	-4.14562	0.000642	0.003271	-0.61365	4.625314	4.594711	4.55869	4.052041	4.071202	4.365821	4.13321	4.019913	3.924645	3.584041	3.398501	3.470739	3.686328	3.738425	3.548512	3.181381	3.256961	3.241681
JAK2	ENSG0000	0.210714	3.702459	2.291148	0.034623	0.077671	-4.56318	3.420312	3.142112	3.618004	3.456785	3.588725	3.349911	4.000319	3.592179	3.867685	4.125171	4.181422	4.246333	3.741287	3.752319	3.824901	4.258497	4.247965	4.274271
ABL1	ENSG0000	0.655293	7.470034	10.14111	9.61E-09	6.31E-07	10.16386	7.4941	7.556191	7.534299	8.475418	8.512331	8.435482	8.411115	8.30174	8.346376	6.49506	6.488498	6.559833	7.093184	6.960624	7.050714	6.974318	6.974888	6.967345
ACOT7	ENSG0000	-0.04426	6.032463	-0.35302	0.728296	0.807387	-7.35135	5.87482	5.885792	5.848213	5.329563	5.589722	5.30954	5.203583	5.298133	5.082376	6.560316	6.576824	6.716585	6.35764	6.315975	6.265419	7.001245	6.940749	6.873516
SH3GLB1	ENSG0000	-0.08272	6.343709	-1.51708	0.147127	0.240953	-6.26318	6.543459	6.593033	6.441695	6.854734	6.760349	6.719686	6.311847	6.331009	6.240692	6.058212	6.047666	6.16341	6.35588	6.300691	6.362835	6.134413	6.125784	6.17478
CDC7	ENSG0000	-0.36582	3.99422	-1.95151	0.067211	0.130919	-5.21271	4.645102	4.569336	4.706239	4.062381	3.945887	4.138446	4.235306	4.45204	4.322386	4.724629	4.606195	4.729802	2.55467	2.657091	2.618601	4.199264	4.333674	4.311289
SYDE2	ENSG0000	-0.52572	2.742455	-4.1336	0.000659	0.003346	-0.55793	2.548084	2.356396	2.514675	2.457149	2.429905	2.132113	2.480375	2.220554	2.82232	3.695491	3.786782	3.658388	3.757374	3.695921	3.679472	2.935534	3.204393	3.035906
PCSK5	ENSG0000	1.338148	0.086784	3.321263	0.00392	0.013869	-1.81091	3.210562	3.128277	3.371944	5.895822	5.905185	5.961294	4.622059	4.45204	4.647437	0.106501	0.185134	0.106501	0.106501	0.190544	0.186984	0.183756	0.106501	0.106501
SCD	ENSG0000	-0.39181	9.082245	-3.25776	0.004503	0.015473	-3.25233	10.60439	10.66243	10.63164	9.909427	9.797539	9.837003	10.15208	10.18409	10.12889	8.559015	8.605352	8.536816	7.067607	7.05823	6.982589	8.274676	8.249893	8.31142
TMED1	ENSG0000	0.361779	4.891391	4.174179	0.000603	0.003113	-0.84432	4.749336	4.804995	4.671981	4.869634	4.982309	4.889321	5.35187	5.439365	5.412136	4.864753	4.655361	4.876465	4.881128	4.971068	4.807727	4.902958	4.949728	4.865793
ABLIM1	ENSG0000	-0.11342	7.697835	-1.66685	0.113363	0.196977	-6.172	7.695529	7.697578	7.68485	8.363324	8.428439	8.519434	7.367581	7.373562	7.378412	7.364119	7.369448	7.242395	8.005952	7.98926	8.010354	7.387965	7.366843	7.449913
ERMP1	ENSG0000	0.307496	6.153462	1.966283	0.065354	0.128161	-5.54803	5.636146	5.725032	5.584434	6.781518	6.568199	6.701742	6.266749	6.403733	6.282695	6.156285	6.24984	6.199757	5.94861	6.143514	5.942167	6.294279	6.122955	6.139191
RAB18	ENSG0000	0.110572	7.136011	1.544942	0.140274	0.232109	-6.2612	8.126985	8.150643	8.090762	8.420711	8.333123	8.366631	8.417645	8.451717	8.424977	6.119452	5.98997	6.151739	5.972925	5.983386	5.923201	5.933785	5.87814	5.97009
NRP1	ENSG0000	0.08232	6.032425	0.202357	0.841974	0.893144	-7.34869	5.727148	5.590232	5.69823	7.217131	7.163614	7.233541	5.365443	5.404348	5.383978	6.26025	6.282621	6.227819	5.210117	5.226323	5.231938	6.592237	6.541621	6.681879
PRTFDC1	ENSG0000	0.191383	2.973478	0.657438	0.519464	0.63405	-6.4758	2.9807	2.9974	2.900124	3.619685	3.844198	3.907468	3.219115	3.40015	2.82232	3.303547	3.241771	3.339716	2.062048	2.642244	2.34809	3.31616	3.347011	3.660409
PALMD	ENSG0000	0.298006	1.732855	1.156958	0.262858	0.378744	-5.53869	2.392887	2.61635	2.661582	4.753186	4.739596	4.894191	3.094248	3.250449	2.869505	0.834246	1.029669	1.061592	1.776519	1.793303	1.923865	0.738851	0.433238	1.170016
TSPAN15	ENSG0000	-0.40839	5.354568	-2.05483	0.055157	0.111974	-5.3347	5.879004	5.673567	5.688471	4.072648	4.360275	4.233737	4.552561	4.497055	4.22597	6.018751	5.861181	6.008106	6.001347	5.952125	5.982187	6.055679	6.004966	6.068874
MACROH2	ENSG0000	-0.21026	-0.3578	-0.78703	0.441804	0.562644	-5.65108	4.179456	4.262405	4.235828	4.562385	4.515354	4.34463	3.988671	3.89093	3.946814	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
WASHC2A	ENSG0000	-0.23347	5.295339	-2.60791	0.018092	0.046412	-4.116	6.548721	6.611798	6.574795	6.394386	6.478657	6.36717	6.49383	6.377892	6.325625	4.30464	4.209911	4.253631	4.527992	4.476309	4.427716	3.799922	4.035699	4.014786
MAST3	ENSG0000	0.040764	2.830921	0.324272	0.749581	0.824614	-6.62657	2.218961	2.332462	2.558197	3.041869	3.34578	3.364021	2.513265	2.451551	2.643847	3.303547	3.330936	3.218152	3.675081	3.568213	3.378997	3.133504	3.347011	3.241681
MZF1	ENSG0000	-0.21448	4.216819	-3.05002	0.007067	0.02204	-3.12621	3.952119	4.136747	4.095173	4.236852	4.158524	4.202668	3.916741	3.967564	4.063004	4.430262	4.502533	4.456986	4.856446	4.913495	4.860827	4.208537	4.200441	4.177341
OCEL1	ENSG0000	-0.30185	3.672252	-2.13817	0.0469	0.098609	-4.69859	4.315334	4.204245	4.400306	3.977507	4.301803	3.982555	3.879385	3.946081	3.90213	3.294134	3.175905	3.532043	3.918659	3.884362	3.945482	3.200096	3.267249	3.093712
MYO9B	ENSG0000	0.561894	5.405637	11.88654	8.37E-10	9.77E-08	12.7734	5.096964	5.08834	5.258094	5.884211	5.916364	5.788972	5.679816	5.619796	5.633301	4.874259	4.922503	4.87173	5.710474	5.633455	5.546053	5.48107	5.54346	5.397464
KCNK6	ENSG0000	0.409867	2.255959	1.999998	0.061287	0.121881	-4.7157	2.137484	1.744817	1.453818	2.714828	2.57804	2.885561	1.240874	1.658879	1.445026	2.83033	2.741	2.786535	3.395624	3.393046	3.378997	3.407564	3.256961	3.55117
PSMD8	ENSG0000	0.002443	7.39661	0.069644	0.945268	0.964431	-7.53144	7.38433	7.389313	7.336029	7.225207	7.303223	7.207367	7.406399	7.34512	7.399663	7.566797	7.497264	7.629027	7.328531	7.33994	7.270951	7.585945	7.553366	7.529958
FBXL19	ENSG0000	0.106212	5.064344	1.137447	0.270705	0.387308	-6.57072	4.511345	4.719916	4.73022	5.195063	5.283625	5.037542	4.454362	4.45204	4.490278	5.170202	5.276856	5.339521	5.607741	5.568187	5.616767	5.694092	5.485161	5.350812
HSD3B7	ENSG0000	0.765111	3.837308	7.660681	5.47E-07	1.34E-05	6.408729	3.96004	3.952741	3.93931	4.350907	4.368438	4.146631	4.723921	4.630987	4.764393	3.024981	3.055486	3.187996	3.92342	3.871689	3.81227	3.691675	3.863317	3.744016
SETD1A	ENSG0000	-0.11965	5.820616	-1.98345	0.063254	0.124724	-5.4763	5.907956	6.004148	6.20893	5.977316	6.00018	5.812316	6.017329	5.7054	5.889394	5.785068	5.749173	5.899478	5.74987	5.627813	5.694537	5.768078	5.779172	5.668679
BCL7C	ENSG0000	-0.0117	5.508071	-0.12744	0.900048	0.933736	-7.29443	5.747885	5.597782	5.808216	5.392386	5.469652	5.2875	5.342749	5.447033	5.424038	5.319175	5.386997	5.582013	5.665715	5.686883	5.61313	5.712133	5.58723	5.661529
MAGEB2	ENSG0000	-0.21783	5.369172	-3.10996	0.006208	0.020023	-3.0189	7.473496	7.397988	7.410643	7.155682	7.043854	7.043877	7.227193	7.226503	7.141874	3.716784	3.748453	3.658388	3.669424	3.793216	3.540876	3.447271	3.529023	3.650813
CIRBP	ENSG0000	-0.37534	6.783287	-6.99939	1.83E-06	3.49E-05	4.795009	7.259109	7.289507	7.151211	6.859189	6.831459	6.789308	6.706074	6.868004	6.861721	6.800302	6.714919	6.826497	6.638802	6.647769	6.726504	6.393148	6.484348	6.49743
ATP5F1D	ENSG0000	-0.0256	5.814123	-0.23775	0.814843	0.872994	-7.29003	6.196482	6.343478	6.495858	6.127673	6.354709	5.889947	6.195078	6.207795	6.245172	5.24783	5.203192	5.684119	5.481072	5.593492	5.509353	5.635142	5.574859	5.164438

CBARP	ENSG0000	0.200327	1.956304	1.137088	0.270851	0.387422	-5.79341	2.080492	2.09705	2.326135	2.063099	2.57804	2.652511	2.058296	1.988058	2.239236	2.100009	2.011405	2.409144	2.542344	2.517623	2.416453	2.819293	2.618024	1.942153
PRKY	ENSG0000	-0.18303	3.793894	-1.82464	0.085198	0.157573	-5.28402	3.936145	3.888531	4.003689	4.199863	4.061165	4.10523	3.988671	3.856799	3.708117	3.744695	3.878373	3.538032	4.309002	4.284065	4.184772	3.374993	3.529023	3.601852
HNRNPM	ENSG0000	-0.01837	7.99569	-0.44381	0.662622	0.757001	-7.4715	8.158305	8.238187	8.218749	7.837511	7.916562	7.867074	8.15389	8.198209	8.259927	7.922263	7.98498	8.050332	7.803274	7.776289	7.790116	8.050037	7.949664	7.852822
MARCHF2	ENSG0000	-0.09346	2.965825	-0.75927	0.457809	0.578502	-6.26417	3.476616	3.483793	3.773804	4.254996	4.384626	4.372816	3.586698	3.535768	3.641718	2.282443	2.249583	2.546206	3.251622	3.04352	2.743612	2.247458	2.006592	2.252429
NDUFB7	ENSG0000	-0.06058	5.788207	-0.75085	0.46273	0.582834	-7.0525	5.954295	5.881675	6.017577	5.565938	5.949389	5.628736	5.860019	5.695778	5.722741	5.719774	5.65389	5.901803	5.930988	5.936997	5.836971	5.901274	5.893164	5.62033
TECR	ENSG0000	0.652799	6.219468	7.096386	1.53E-06	3.01E-05	5.049762	5.983734	6.022963	6.078628	6.67099	6.821087	6.707287	7.036735	7.001567	6.97662	5.730282	5.599299	5.792059	5.962555	6.015426	5.875427	6.013979	6.023291	6.015662
TIMM13	ENSG0000	0.060921	6.074345	0.962909	0.348727	0.470033	-6.91614	5.944347	5.985084	6.03501	5.904469	6.039053	6.004722	6.269158	6.173542	6.35286	6.13667	6.145548	6.300969	6.074867	6.049585	6.078955	6.156141	6.066639	6.01753
CDC34	ENSG0000	-0.21031	5.724481	-2.72003	0.0143	0.038604	-4.0758	6.273193	6.340481	6.195211	5.830775	5.839171	5.807161	5.907184	5.801241	5.875015	5.46891	5.446069	5.693541	5.597352	5.438844	5.4817	5.621323	5.513525	5.423057
MTAP	ENSG0000	-0.19268	5.809622	-2.11191	0.049372	0.102613	-5.2565	6.72525	6.707951	6.695428	5.529135	5.60362	5.438487	6.462596	6.446436	6.344535	5.645844	5.657342	5.63746	5.217888	5.096185	5.168932	5.500074	5.59133	5.612936
MISP	ENSG0000	-0.13154	6.864556	-0.87115	0.395483	0.517062	-7.09991	7.334168	7.245326	7.337591	6.149661	6.430738	6.338872	6.640598	6.66765	6.676797	6.786942	6.801707	6.966869	7.055189	6.982892	6.924354	7.185095	7.202345	7.070815
CEP170B	ENSG0000	0.107376	5.950301	1.150005	0.265634	0.382088	-6.73196	5.034569	4.905754	5.097747	5.072529	5.342823	5.143594	4.737903	4.504423	4.626988	6.569124	6.766977	6.871663	7.343706	7.303247	7.211466	7.148827	7.07271	6.905139
POLR2E	ENSG0000	0.044886	7.099434	0.988217	0.336531	0.457424	-6.99433	7.390205	7.396545	7.397973	7.186734	7.344154	7.192618	7.537086	7.451865	7.558365	6.938881	6.779703	6.970195	6.79373	6.757756	6.693306	6.913956	6.875001	6.811346
POLRMT	ENSG0000	-0.12728	5.743755	-1.26664	0.221904	0.331763	-6.5334	5.879004	5.944211	6.142572	5.587578	5.882565	5.605169	5.665257	5.481041	5.431918	5.678768	5.762057	5.865347	5.848285	5.650249	5.765055	6.033676	5.994168	5.671054
HCN2	ENSG0000	0.319009	2.979222	1.911207	0.072519	0.139035	-4.80848	3.85351	3.829904	3.979882	4.93299	5.171467	4.879531	4.225415	4.157125	4.252911	1.814181	1.8028	2.152295	2.371704	2.416542	1.923865	2.135245	1.956613	2.200755
IZUMO4	ENSG0000	0.233085	0.152864	1.168641	0.258241	0.373338	-5.43619	1.010037	0.875715	1.256574	1.022291	1.006428	0.657796	0.886508	0.824004	1.171446	1.199504	0.986408	1.219002	1.498836	1.203912	1.08859	1.354562	1.478665	1.370407
RASSF7	ENSG0000	-0.10982	3.370611	-0.60955	0.550002	0.660791	-6.6894	2.629805	2.674627	2.830836	3.51817	3.709312	3.572823	2.26554	1.658879	2.047395	4.009149	4.314187	4.268117	4.502766	4.455227	4.492489	4.374256	4.377068	4.108904
GADD45B	ENSG0000	-0.36812	5.727084	-3.05031	0.007063	0.022036	-3.39389	5.987614	5.678322	5.841623	5.636843	5.78836	5.770552	5.539183	5.623184	5.629879	5.725037	5.631248	5.888972	6.322028	6.331098	6.266577	5.299906	5.356168	5.284099
PALM	ENSG0000	0.008258	3.331094	0.04157	0.967312	0.97865	-6.61901	4.302931	4.452056	4.55869	4.640378	4.789085	4.713128	4.552561	4.299455	4.41276	2.100009	2.011405	2.183199	3.353912	3.203781	3.308792	2.35157	2.078458	2.091498
MKNK2	ENSG0000	-0.51463	7.565224	-2.88428	0.01009	0.029292	-3.97399	8.06911	8.003043	8.083334	6.860671	6.977361	6.772215	6.844972	6.627726	6.673477	8.00031	8.025613	8.06259	7.678228	7.587201	7.55305	8.262764	8.18626	8.059598
ARVCF	ENSG0000	0.059728	3.018599	0.406425	0.689364	0.777835	-6.80433	2.345296	2.308123	2.326135	2.181668	2.398361	1.880533	2.186178	1.988058	2.087859	3.716784	3.936355	3.999574	5.102982	5.000472	4.903135	3.989359	4.106163	3.961444
TRMT2A	ENSG0000	0.092235	5.876448	1.75216	0.097271	0.174973	-5.89116	5.400358	5.340148	5.440682	5.612421	5.620805	5.569081	5.578564	5.571508	5.706591	6.26628	6.205726	6.390586	6.283664	6.1991	6.189309	6.319104	6.321123	6.228989
RANBP1	ENSG0000	-0.33226	6.950616	-6.25754	7.64E-06	0.000105	3.294299	7.373992	7.387862	7.424673	6.367536	6.457769	6.274964	6.883218	6.892077	6.900573	7.361868	7.378888	7.476766	6.445489	6.543758	6.500099	7.313647	7.164319	7.189068
ZDHHC8	ENSG0000	0.025997	4.782715	0.297786	0.769377	0.837978	-7.11499	4.595114	4.553894	4.749122	4.845887	4.782991	4.679672	4.445869	4.247712	4.520155	4.793054	4.836805	4.793777	5.565727	5.347976	5.382653	5.036515	5.069195	4.82371
KLHL22	ENSG0000	-0.14433	3.45386	-1.72513	0.10214	0.181757	-5.35257	3.385444	3.657602	3.698006	3.977507	4.1009	3.888069	3.115825	3.415864	3.421943	3.284659	3.517242	3.426222	3.918659	3.839509	3.799527	3.333216	3.422593	3.352387
MED15	ENSG0000	-0.089	6.369651	-1.24455	0.229727	0.340586	-6.66053	5.643543	5.671183	5.764758	5.781554	5.957528	5.949645	5.257962	5.268148	5.229787	6.99006	7.035215	7.017584	7.455574	7.274049	7.398959	7.159624	7.095261	7.077993
SERPIND1	ENSG0000	1.298682	1.349687	3.591093	0.00217	0.008613	-1.29394	5.812748	5.750092	5.676178	5.824713	5.610519	5.622881	7.084024	7.041366	7.127389	0.269074	0.185134	0.34382	0.106501	0.106501	0.263213	0.183756	0.19538	0.214669
SNAP29	ENSG0000	0.151077	5.396225	3.082625	0.006586	0.020941	-3.26123	5.288426	5.369848	5.399401	5.941353	5.885412	5.914123	5.539183	5.557409	5.629879	5.066207	5.035583	5.210458	5.497128	5.458046	5.428895	5.184823	5.217154	5.150886
CRKL	ENSG0000	0.071702	6.860046	1.834733	0.083625	0.155492	-5.86719	7.014834	6.899319	6.879321	6.556783	6.664159	6.649416	6.965736	7.014526	6.906241	7.008164	7.025898	6.901006	6.699734	6.609161	6.673364	7.120248	7.015884	7.108985
LZTR1	ENSG0000	-0.01593	5.313348	-0.28383	0.779877	0.84596	-7.22614	5.153322	4.99613	5.018167	5.092847	5.399687	5.276352	5.183289	5.088621	5.146036	5.413478	5.487385	5.506132	5.826847	5.754024	5.791038	5.42251	5.365774	5.394592
MMP11	ENSG0000	2.016466	0.691072	10.14326	9.58E-09	6.31E-07	9.25756	0.503316	0.410755	0.829201	2.21912	2.333126	2.164723	1.389995	1.605065	1.777424	0.669294	0.748206	0.683459	2.738794	2.344993	2.34809	1.85727	1.581179	1.546329
SMARCB1	ENSG0000	-0.12233	6.539986	-1.97843	0.063862	0.125668	-5.60016	6.683998	6.528661	6.562826	6.01507	6.108926	6.015936	6.382529	6.377892	6.433574	6.801133	6.753331	6.930334	6.725177	6.683559	6.700179	6.774976	6.770396	6.763173
P2RX6	ENSG0000	0.317116	-0.29726	0.948539	0.355787	0.477253	-5.47146	2.668993	2.748839	3.013906	4.161901	3.747367	3.75519	3.258446	2.981485	2.892531	0.106501	0.106501	0.230035	0.294634	0.190544	0.263213	0.106501	0.19538	0.214669
DERL3	ENSG0000	-0.50486	1.434456	-3.45072	0.002953	0.011105	-1.78185	1.755904	1.744817	2.109199	1.519216	1.556428	1.422231	1.648695	1.231675	1.38134	2.722179	2.646894	2.660429	1.733794	1.622273	1.992654	2.509956	2.212266	2.226823
BCL2L13	ENSG0000	-0.16792	6.581996	-1.97425	0.064372	0.126549	-5.59771	7.010073	6.872598	6.839086	6.416721	6.389218	6.274964	6.721988	6.685586	6.671815	6.505294	6.577735	6.604754	6.616192	6.588011	6.648708	6.471302	6.471059	6.391939
DDT	ENSG0000	-0.15201	4.481387	-1.22989	0.235037	0.346653	-6.32824	4.726299	4.872944	4.76778	4.236852	4.376555	4.351728	4.402637	4.413424	4.505294	4.408616	4.463628	4.412036	4.8288	4.931925	4.873042	4.552316	4.357943	4.370952
OSM	ENSG0000	0.706263	-1.43478	2.063759	0.054214	0.110531	-4.01947	1.475543	1.947501	2.079636	2.457149	2.737798	2.581827	2.513265	2.623806	2.530983	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CABIN1	ENSG0000	-0.01765	5.589776	-0.24744	0.807451	0.867122	-7.29059	5.019487	5.084762	5.123327	5.510375	5.710229	5.572123	4.877071	4.849227	5.082376	5.964895	6.014403	5.841329	6.291051	6.124944	6.189309	6.031066	5.894824	6.01753
TBC1D10A	ENSG0000	-0.15433	3.31801	-1.406	0.177252	0.278285	-5.90894	2.933205	3.057038	3.044832	3.21869	3.033076	3.152687	2.832807	2.676938	2.440135	3.980092	4.127684	4.307219	3.789021	3.86531	3.799527	4.194605	4.071361	3.976887
SUSD2	ENSG0000	0.795108	3.858514	3.425587	0.003121	0.01158	-2.24521	3.65311	3.732673	3.55495	3.647423	3.531716	3.377995	4.321396	4.436718	4.396744	3.216534	3.348126	3.464463	4.846454	4.804359	4.719156	4.078031	4.221756	4.007286
SF3A1	ENSG0000	-0.20164	7.692792	-3.30272	0.004082	0.014332	-3.08766	8.022119	8.025609	8.050376	7.47688	7.45371	7.505873	7.842251	7.780198	7.828409	7.772285	7.664412	7.759712	7.579888	7.570633	7.62343	7.563085	7.513951	7.568056
GGT5	ENSG0000	1.131007	0.473702	5.469366	3.77E-05	0.000357	2.407066	0.667115	0.582935	0.679585	0.635873	0.828511	0.746642	1.867984	1.231675	1.620777	1.940223	1.827525	1.60868	1.420179	1.032323	0.910419	2.400938	2.37332	2.326628
RNF215	ENSG0000	0.232227	4.718633	3.497303	0.002667	0.010235	-2.21883	5.297832	5.318988	5.538996	5.359221	5.351085	5.316813	5.683433	5.80423	5.680369	4.043261	4.040487	4.171248	3.92342	4.062207	4.007743	4.151986	4.140146	4.177341
SEC14L2	ENSG0000	0.223326	4.429852	1.840025	0.082811	0.154348	-5.45857	4.192962	4.354415	4.1812	4.667726	4.825118	4.829562	4.293266	4.194045	4.279358	4.332495	4.47541	4.592658	4.393779	4.480488	4.460466	4.752597	4.943327	4.72199
SPECC1L	ENSG0000	0.136876	4.786391	1.691302	0.108532	0.190818	-5.75302	4.702888	4.778666	4.781616	5.137544	5.128856	5.110498	5.038289	5.192623	5.141238	4.779626	4.796672	4.679211	4.662213	4.565575	4.610269	4.640597	4.729324	4.646745
PPIL2	ENSG0000	0.423839	5.748144	8.034681	2.83E-07	7.85E-06	6.802612	4.91334	4.738249	4.826803	5.72735	5.687572	5.757249	5.392213	5.439365	5.523269	5.869883	5.887875	5.894818	6.655352	6.614876	6.542779	6.181084	6.183958	6.164701
YPEL1	ENSG0000	-0.06841	-0.71207	-0.19962	0.844085	0.894517	-6.08886	0.318509	0.582935	0.219246	0.395333	0.106501	0.461789	0.106501	0.253663	0.256032	1.028404	1.369793	1.49011	2.591031	2.326537	2.365487	1.354562	1.478665	1.370407
SNRPD3	ENSG0000	-0.25171	6.74194	-4.6611	0.000209	0.001344	-0.04896	6.950688	6.938496	6.934035	6.400512	6.373081	6.326315	6.556314	6.612464	6.658443	7.006724	6.96661	7.017048	6.760194	6.840569	6.8067	6.79435	6.802581	6.862127
PES1	ENSG0000	-0.02215	7.521475	-0.45833	0.652365	0.748782	-7.43518	7.523797	7.497534	7.526103	7.252557	7.316996	7.257361	7.355162	7.29926	7.294459	7.682245	7.596355	7.688126	7.663009	7.612178	7.615272	7.796205	7.788483	7.768261
MAPK1	ENSG0000	0.296053	7.180753	5.893031	1.58E-05	0.000183	2.548014	6.912419	6.975671	6.801098	7.363336	7.219961	7.259249	7.325376	7.39948	7.298775	7.124926	7.125841	7.050953	7.253953	7.305016	7.240632	7.247151	7.28314	7.252303
GGT1	ENSG0000	-0.30626	5.598917	-2.81782	0.011625	0.032775	-3.82461	6.070438	5.873404	5.931247	6.446632	6.499248	6.418777	5.683433	5.581992	5.650287	5.417818	5.340512	5.430875	5.317096	5.178243	5.191054	5.14915	5.106916	5.070394
PRODH	ENSG0000	0.098007	1.073504	0.502777	0.621397	0.721729	-6.54448	0.41387	0.106501	0.598525	0.742604	0.828511	0.909432	0.415731	0.509405	0.106501	3.496465	3.486521	3.532043	4.943391	4.847068	4.778803	3.366734	3.698248	3.779675
PPM1F	ENSG0000	-0.21758	5.952092	-2.59369	0.018637	0.047581	-4.37014	6.658669	6.641322	6.745705	5.775282	5.95482	5.751893	6.384753	6.254423	6.174129	5.868298	5.726347	5.792059	5.519311	5.528368	5.493616	5.824952	5.733527	5.756303
SLC35E4	ENSG0000	0.536133	2.494734	2.18668	0.042631	0.091527	-4.27505	2.933205	2.966631	3.06005	4.112999	4.318753	4.096805	3.490873	3.592179	3.832397	2.01088	2.011405	2.038602	1.897591	1.993753	1.550722	2.192442	2.295039	1.81044
TOP3B	ENSG0000	-0.21061	4.236072	-3.00693	0.007755	0.023734	-3.26467	4.315334	4.094678	4.288462	3.875646	3.747367	3.733615	3.941119	3.82184	4.207726	4.717605	4.722812	4.692697	4.604095	4.638459	4.670996	4.552316	4.521577	4.531205
CYTH4	ENSG0000	-0.77325	-1.17105	-2.38782	0.028479	0.066496	-3.59191	1.18244	1.226787	1.453818	0.258133	0.106501	0.106501	0.415731	0.387194	0.39151	1.158593	1.07167	1.248523	0.294634	0.190544	0.335616	1.177011	1.16325	1.222783
ESS2	ENSG0000	-0.22703	4.419164	-3.98404	0.000915	0.004351	-1.19596	4.495082	4.440906	4.351665	4.020568	4.318753	4.162865	4.274204	4.09991	4.288067	4.793054	4.887657	4.890578	4.624704	4.604394	4.642737	4.780845	4.530146	4.582581
CRYBB2P1	ENSG0000	-0.13038	3.413953	-1.28663	0.215003	0.323436	-6.00257	3.783815	3.472886	3.668523	3.740513	3.34578	3.472196	3.788265	3.491964	3.832397	3.614613	3.68898	3.81458	3.429485	3.054776	3.308792	3.447271	3.440885	3.487904
CARD10	ENSG0000	-0.34086	4.967724	-2.16289	0.044678	0.094864	-5.14605	4.516725	4.372133	4.616447	3.083078	3.295295	3.231764	2.832807	2.801791	3.023464	6.671728	6.582282	6.862742	6.416233	6.359742	6.274656	6.817261	6.683765	6.475853
LRP5L	ENSG0000	-0.12646	1.999118	-0.77417	0.449178	0.569743	-6.23325	1.519087	1.883052	2.469799	1.933905	2.117603	2.22781	1.762502	1.809233	1.873138	3.002038	2.912585	2.826234	2.439743	2.307842	2.76998	2.706012	2.799093	2.944608
SLC25A1	ENSG0000	-0.14147	6.331165	-1.13932	0.269943	0.386607	-6.72454	7.028082	7.125956	7.127931	6.873941	6.98932	6.705903	6.546418	6.448347	6.591422	5.560088	5.602884	5.71749	6.071654	6.087072	6.012871	6.007353	5.954929	5.864042
GRK3	ENSG0000	0.452096	-0.70479	2.049583	0.055719	0.112921	-4.09311	3.249862	3.494617	3.090013	4.112999	4.310303	4.233737	3.747379	3.646467	3.721038	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GGA1	ENSG0000	-0.23907	5.834318	-5.50749	3.48E-05	0.000335	1.875563	5.979843	6.002253	5.935379	5.720837	5.710229	5.581211	5.683433	5.767957	5.693539	6.083021	6.022456	6.057937	5.9855	5.824769	5.917315	5.788317	5.857862	5.874386
HIRA	ENSG0000	-0.20767	3.857016	-3.13088	0.005933	0.01932	-2.91713	3.887134	3.888531	3.96379	3.308302	3.630051	3.620621	3.602068	3.761625	3.856018	4.341661	4.242453	4.408771	4.143408	4.132949	4.104162	4.194605	4.156841	4.007286
SH3BP1	ENSG0000	0.053069	2.710632	0.600523	0.555866	0.666318	-6.82017	1.927307	1.744817	1.853768	1.256461	1.612488	1.250575	1.074544	1.809233	1.674905	4.766072	4.686104	4.69001	4.135224	4.210485	3.922159	4.905811	4.784083	4.771534
LGALS1	ENSG0000	0.801002	6.706868	13.86418	7.26E-11	1.57E-08	15.18077	6.997621	6.996764	6.97676	7.260438	7.407913	7.218088	7.697722	7.714215	7.659151	5.703867	5.773236	5.844958	5.930988	5.903146	5.918789	6.679846	6.696192	6.63276
HPS4	ENSG0000	-0.34071	5.311853	-6.85393	2.41E-06	4.34E-05	4.664141	5.523064	5.438728	5.497679	5.137544	5.054916	5.055043	4.980658	4.992342	5.015776	5.598832	5.641742	5.690855	5.430131	5.479087	5.491637	5.455985	5.370553	5.434288
PIK3IP1	ENSG0000	-0.09431	0.715077	-0.32458	0.749348	0.824422	-6.17905	0.882475	0.8079	1.028027	1.688986	1.164793	1.055701	0.415731	0.253663	0.256032	1.787595	1.55885	1.696985	3.575762	3.921728	3.72061	1.992244	2.078458	1.877799
SRRD	ENSG0000	0.246479	4.727358	4.726455	0.000182	0.00121	0.371997	4.393455	4.527784	4.470324	4.809518	4.648682	4.622128	4.772276	4.670823	4.726452	4.816256	4.793538	4.925267	4.912595	4.869552	4.914999	5.054624	4.996855	5.171166
PATZ1	ENSG0000	0.151164	5.124874	2.03804	0.056973	0.114971	-5.32141	4.730936	4.644161	4.706239	4.281793	4.318753	4.524999	4.932837	4.784126	4.807433	5.58539	5.5776	5.587799	5.786914	5.760913	5.822871	5.775896	5.716735	5.717759
TRIOBP	ENSG0000	0.32732	6.02898	3.969713	0.000944	0.00447	-1.48756	5.082524	5.147837	5.148462	5.924447	5.960231	5.986596	5.30568	5.228657	5.342774	6.33674	6.392339	6.390586	6.862276	6.749986	6.797917	6.817261	6.834929	6.665294
TFIP11	ENSG0000	-0.19694	5.79547	-3.33116	0.003836	0.013627	-2.83687	5.786261	5.850414	5.671231	5.487537	5.647884	5.538302	5.473848	5.412203	5.474506	6.081653	5.994071	6.030584	6.255623	6.130274	6.179507	5.935182	5.922751	5.932963
GCAT	ENSG0000	0.016303	2.329934	0.130911	0.897341	0.931547	-6.51804	2.762544	2.61635	2.865896	2.577385	2.549605	2.455733	2.724622	2.777669	3.162566	2.543041	2.405511	2.592986	2.51737	2.344993	2.703134	2.554269	2.500854	2.200755
ANKRD54	ENSG0000	0.086094	4.206254	2.043118	0.056418	0.114078	-5.128	3.903656	3.829904	3.801232	3.791129	3.772191	3.868406	3.976929	3.967564	3.946814	4.637991	4.722812	4.753161	4.667899	4.619633	4.617548	4.790139	4.76606	4.753714
EIF3L	ENSG0000	-0.0836	6.84387	-2.10361	0.050177	0.103953	-5.40849	6.680407	6.614281	6.512548	6.580359	6.580549	6.583107	6.625636	6.656119	6.641553	7.204334	7.157876	7.21742	7.107375	7.090035	7.122177	7.02243	6.99978	7.029758
SNU13	ENSG0000	-0.16889	7.036854	-3.13916	0.005827	0.019037	-3.40172	6.914458	6.864275	6.859887	6.195008	6.291721	6.252385	6.653564	6.609051	6.61584	7.659516	7.576891	7.640903	7.381823	7.394118	7.391548	7.508293	7.507999	7.562309
MICALL1	ENSG0000	-0.14999	4.989847	-1.37913	0.185249	0.287355	-6.29018	5.019487	4.961437	5.11242	4.707799	4.668652	4.330328	4.393833	4.482206	4.189248	5.454194	5.329736	5.381764	5.426782	5.379652	5.283183	5.550168	5.593376	5.425873
CCDC134	ENSG0000	0.244531	1.727405	1.915182	0.07198	0.138205	-4.72591	1.990546	1.915637	1.921989	1.578054	1.768674	2.064596	2.102195	2.540248	2.127218	2.18395	2.212518	2.422156	2.044674	2.288901	1.923865	2.448672	2.212266	2.528753
DEPDC5	ENSG0000	-0.15918	3.64521	-1.8688	0.078505	0.148255	-5.26689	3.223781	3.505362	3.55495	3.503067	3.546181	3.335661	3.490873	3.633086	3.528681	4.285766	4.265255	4.09204	3.899458	4.051009	4.029733	3.830273	3.903444	4.044405
PICK1	ENSG0000	-0.36708	4.035945	-3.06627	0.006823	0.02152	-3.17817	3.836399	3.568199	3.726899	2.999448	2.991399	2.980206	2.724622	2.324112	2.723053	5.195703	5.21963	5.346363	5.397996	5.175668	5.250784	5.182472	5.018332	5.119922
TTC28	ENSG0000	-0.092	3.742357	-0.27717	0.784899	0.84988	-6.7026	4.91334	5.041126	5.105102	5.598277	5.57921	5.775839	5.043928	4.997573	4.973208	3.265521	3.278101	3.043904	1.711947	1.921808	1.667532	3.022222	2.881762	2.706008
CENPM	ENSG0000	0.006379	2.981408	0.035448	0.972124	0.981775	-6.7741	3.710582	3.472886	3.65856	2.97776	2.948483	2.924168	3.879385	3.605944	3.90213	3.709722	3.591299	3.652879	1.711947	1.793303	1.580823	3.651445	3.422593	3.30423
SEPTIN3	ENSG0000	0.372453	2.199505	1.259867	0.224281	0.334215	-5.65471	2.021155	2.308123	1.706811	3.290819	3.643567	3.711713	2.26554	2.511284	2.560038	2.356666	2.249583	2.369387	2.25569	2.148862	2.34809	2.334732	2.354144	2.760563
SLC5A4	ENSG0000	0.604225	-1.62615	4.129734	0.000665	0.003366	-0.24873	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.315703	1.588084	1.248523	1.573426	1.681564	1.722572	1.599785	1.737342	2.091498
KDELR3	ENSG0000	0.693774	3.835796	8.612415	1.06E-07	3.76E-06	8.040794	4.088441	3.872022	3.93931	4.839889	4.770725	4.740428	4.393833	4.45204	4.444269	2.856146	2.969234	2.920951	3.840269	3.933972	3.754018	3.7814	3.690624	3.753014
DDX17	ENSG0000	0.096261	8.151899	1.955262	0.066735	0.130242	-5.76426	8.217325	8.189885	8.157281	8.002324	7.933167	8.020269	8.155193	8.270211	8.263796	8.122347	8.146913	8.026565	8.168422	8.22735	8.193793	8.176208	8.253455	8.304169
TCF20	ENSG0000	-0.1721	5.535829	-2.94293	0.008899	0.026483	-3.62272	5.684757	5.642269	5.661287	5.272812	5.257491	5.242382	5.262806	5.27247	5.2343	5.80343	5.810921	5.770599	5.658595	5.57015	5.711642	5.811323	5.782762	5.774091
HSCB	ENSG0000	-0.0005	3.764591	-0.00565	0.995553	0.996742	-6.8867	3.944154	4.006672	4.138828	4.245952	4.139571	4.096805	4.034706	4.256466	4.22597	3.737768	3.830249	3.7997	3.381853	3.495729	3.437743	3.743628	3.562824	3.631427
CBY1	ENSG0000	-0.2573	3.776764	-2.40272	0.027628	0.06491	-4.38918	3.672523	3.786518	3.648527	3.181227	3.426184	3.200652	2.957542	3.102941	2.670735	4.377757	4.51019	4.518865	4.499582	4.525683	4.684921	4.454386	4.432969	4.428245
TOMM22	ENSG0000	-0.46094	6.270716	-5.9731	1.35E-05	0.00016	2.768201	6.436811	6.319327	6.397451	5.180897	5.371535	5.316813	5.757368	5.79224	5.738712	7.108238	6.95263	7.082544	6.545381	6.55866	6.557991	6.683176	6.712283	6.737337
XBP1	ENSG0000	0.252422	7.16274	4.994999	0.000102	0.000768	0.655543	6.965519	6.991042	6.97375	7.581237	7.473711	7.563566	7.111134	7.258446	7.190297	6.91605	6.87988	6.932041	7.202981	7.230043	7.268641	7.18392	7.220989	7.174911
RTCB	ENSG0000	-0.14345	6.830307	-2.24479	0.037987	0.083495	-5.14835	7.192593	7.14755	7.127028	6.543927	6.557529	6.643644	6.892623	6.875126	6.923112	6.886603	6.7876	6.896934	6.713543	6.729938	6.803513	6.858341	6.799927	6.802706
JOSD1	ENSG0000	0.564972	5.629425	6.42384	5.51E-06	8.01E-05	3.804044	5.343965	5.331118	5.194009	6.044055	5.997551	6.131801	6.09814	6.194191	6.106808	5.387157	5.270107	5.327468	5.498724	5.538426	5.553662	5.614363	5.558198	5.692259
FBXO7	ENSG0000	0.024932	6.307817	0.579816	0.569438	0.678363	-7.2295	6.333889	6.367232	6.306268	6.534673	6.47299	6.537145	6.41117	6.48419	6.425703	6.145857	6.101878	6.200701	6.391535	6.426255	6.424306	6.162119	6.072518	6.08143
GTPBP1	ENSG0000	-0.06109	4.906599	-1.04777	0.309017	0.428645	-6.712	4.271448	4.087546	4.174224	3.977507	4.231942	4.027574	3.928981	3.90213	4.112876	5.973766	5.928441	5.984176	5.7445	5.593492	5.60033	5.971038	5.956519	5.904981
POLDIP3	ENSG0000	0.049336	6.736968	1.166768	0.258977	0.374175	-6.77869	6.882515	6.758225	6.870716	6.601785	6.672424	6.668018	7.000948	6.919894	6.994023	6.790294	6.710772	6.735603	6.592474	6.547747	6.619099	6.738634	6.770396	6.643687
RAB36	ENSG0000	0.033278	3.639372	0.233848	0.81782	0.875147	-6.87151	3.465529	3.310847	3.322321	3.827958	3.912781	4.071231	2.696258	2.728183	2.723053	3.864012	3.878373	3.995227	4.424329	4.459468	4.368551	4.254026	4.288934	4.177341
PPP6R2	ENSG0000	0.164917	5.471696	1.814296	0.086836	0.15998	-5.66213	5.451823	5.387379	5.431935	6.204376	6.360859	6.322707	5.510962	5.499594	5.667077	4.963066	5.118067	5.133432	5.490727	5.460164	5.371934	5.31071	5.251241	5.174518
SBF1	ENSG0000	-0.11599	7.317153	-2.51586	0.021903	0.05402	-4.67888	7.269505	7.262844	7.325835	7.145991	7.266567	7.169705	7.112476	7.03502	7.096735	7.417655	7.459699	7.549356	7.583276	7.44847	7.431845	7.533876	7.450477	7.318197
SUN2	ENSG0000	0.648945	5.179564	8.072298	2.65E-07	7.50E-06	6.90102	3.952119	3.920993	3.96379	4.199863	4.455308	4.543715	5.043928	4.866483	5.092354	5.73898	5.739435	5.766779	6.088708	6.097994	6.012871	6.239922	6.206853	6.173105
CYB5R3	ENSG0000	0.284726	6.797932	5.988967	1.30E-05	0.000157	2.803932	6.904231	6.929549	6.994691	7.551266	7.527555	7.485043	7.379894	7.210825	7.355808	6.085751	6.140623	6.267113	6.60956	6.544756	6.575849	6.411331	6.349239	6.295162
DNAL4	ENSG0000	0.216936	3.235805	1.469167	0.159557	0.256714	-5.83397	2.833249	3.222448	2.681399	2.359902	2.460774	2.805104	2.513265	2.596487	2.408535	3.792275	3.715716	3.764372	4.610014	4.529722	4.649854	4.180538	4.059571	4.21038
LMF2	ENSG0000	0.095405	5.428736	0.785452	0.442707	0.563542	-6.91561	5.51233	5.572461	5.602736	6.342299	6.397219	6.252385	5.830962	5.650007	5.819027	4.908591	4.989766	5.285361	5.07758	5.009177	5.014844	5.105146	5.033479	4.965925
RHBDD3	ENSG0000	0.062969	4.586133	0.960628	0.349841	0.471093	-6.62479	4.892796	4.813666	5.134153	4.746789	4.854473	4.839695	4.980658	4.889176	5.07736	4.318634	4.322908	4.515833	4.414217	4.200384	4.25646	4.533992	4.428393	4.45054
PACSIN2	ENSG0000	-0.19533	6.894956	-6.29769	7.06E-06	9.82E-05	3.374759	6.520878	6.553462	6.519445	6.030952	6.166236	6.129738	6.288287	6.328935	6.331956	7.718322	7.714981	7.671876	7.326286	7.258312	7.233544	7.519978	7.563315	7.477317
TTLL1	ENSG0000	-0.19303	1.856337	-1.41015	0.176043	0.276758	-5.33348	2.438959	2.55562	2.492412	3.083078	3.295295	3.200652	2.376953	2.184314	2.309357	1.787595	1.529011	1.49011	2.412911	2.381211	2.449456	1.542275	1.2488	1.81044
AP1B1	ENSG0000	-0.06866	6.958823	-1.97114	0.064754	0.127177	-5.65809	6.467698	6.506104	6.560152	6.34865	6.42096	6.365418	6.393612	6.377892	6.325625	7.549594	7.50399	7.574706	7.564731	7.465966	7.480558	7.538479	7.559658	7.485438
HMGXB4	ENSG0000	-0.05052	5.590608	-0.81815	0.424288	0.546	-6.97907	5.944347	5.971588	5.992018	5.241304	5.257491	5.359696	6.068018	6.055619	5.923331	5.647693	5.667648	5.694882	5.190502	5.292003	5.250784	5.479156	5.541343	5.617869
TOM1	ENSG0000	0.563718	5.125722	3.20859	0.005012	0.016911	-2.90692	4.559062	4.624584	4.662041	6.176088	6.285268	6.140024	5.952856	5.646681	5.788664	4.630531	4.679329	4.66833	5.229468	5.196144	5.222422	4.581158	4.65292	4.399883
BIK	ENSG0000	0.198939	0.75472	0.858289	0.40235	0.524067	-6.02871	1.069823	1.118985	0.964748	0.635873	0.828511	0.830331	0.548589	0.622068	0.256032	2.409929	2.23117	2.198406	2.371704	2.344993	2.618601	2.957699	2.726388	2.59029
HMOX1	ENSG0000	0.189557	4.987271	0.831313	0.41701	0.538874	-6.69572	6.62668	6.746952	6.892132	5.499001	5.667864	5.535187	7.434574	7.194975	7.106615	3.93235	3.890158	3.95997	3.46257	3.591587	3.421201	3.560228	3.297679	3.30423
MCAT	ENSG0000	-0.15467	4.391059	-2.08891	0.051633	0.106366	-5.00489	4.901049	4.961437	4.990634	4.681208	4.701332	4.524999	4.6445	4.610649	4.674259	4.156676	4.157244	4.434686	4.050717	4.10073	3.985412	4.386563	4.216457	4.143528
THOC5	ENSG0000	-0.31634	5.889008	-2.76568	0.012985	0.035856	-4.04811	6.095825	6.01922	5.914599	5.067404	5.270617	5.068031	5.422829	5.431657	5.435842	6.352697	6.305902	6.321949	6.378593	6.44027	6.34869	6.193979	6.174423	6.233818
MCM5	ENSG0000	-0.16095	5.856493	-1.03931	0.312824	0.432536	-6.85499	6.282699	6.370174	6.354895	5.190356	5.321958	5.334836	5.982519	5.891111	5.926124	6.640499	6.537089	6.647626	4.552785	4.476309	4.535391	6.600185	6.684725	6.62543
ARSA	ENSG0000	0.561016	4.868648	5.604683	2.85E-05	0.000285	2.317079	4.516725	4.614695	4.808898	6.171319	6.256968	6.092086	5.183289	5.023446	5.211591	3.651939	3.958911	4.128223	5.345753	5.141762	5.087406	4.661004	4.477953	4.323421
TSPO	ENSG0000	-0.15767	6.344272	-1.56561	0.135366	0.226028	-6.18374	6.897029	6.987215	7.152098	6.682767	6.85634	6.687786	6.619984	6.577961	6.619295	5.643993	5.785907	5.976478	6.133567	6.100712	6.103786	6.041481	5.945351	5.731481
TTLL12	ENSG0000	0.369252	6.412962	5.994113	1.29E-05	0.000156	2.826636	6.371495	6.370174	6.336266	6.500859	6.721046	6.572513	6.768706	6.654464	6.7273	6.195997	6.135682	6.275203	6.206666	6.107484	6.09599	6.684007	6.520275	6.506769
CBX7	ENSG0000	-0.53006	2.01455	-3.54996	0.002376	0.009296	-1.7739	2.296082	2.258179	2.514675	1.022291	1.164793	1.310092	1.160105	1.367163	1.244857	3.716784	3.431133	3.538032	3.031169	2.913535	2.906973	3.200096	3.404065	3.328509
PDGFB	ENSG0000	0.609386	2.078868	2.617556	0.017732	0.045724	-4.05428	1.861169	1.708084	1.818408	0.258133	0.512209	0.2349	0.269385	0.509405	0.39151	4.667452	4.506366	4.77868	5.349295	5.175668	5.183718	5.577264	5.382432	5.311765
RPL3	ENSG0000	0.045001	10.37595	1.423431	0.172217	0.272181	-6.70711	10.6712	10.64142	10.65085	10.49367	10.56825	10.47195	10.71466	10.72103	10.70742	10.18327	10.11741	10.07872	10.07753	10.11144	10.10698	10.13094	10.13984	10.20104
ZMAT5	ENSG0000	0.135204	3.753942	1.553772	0.138159	0.229534	-5.68894	3.936145	3.99909	4.222364	3.999198	4.110665	4.018682	4.185161	4.299455	4.270596	3.560679	3.447177	3.476988	3.87509	3.799921	3.658454	3.530961	3.520448	3.621636
RBFOX2	ENSG0000	-0.33816	6.347583	-7.94227	3.33E-07	8.96E-06	6.575097	6.663528	6.69158	6.545359	6.166534	6.071915	6.168443	6.281144	6.308036	6.265158	6.679883	6.564007	6.553934	6.327426	6.250178	6.215927	6.270127	6.294965	6.268742
SYNGR1	ENSG0000	0.603365	2.102335	4.127806	0.000667	0.003375	-0.28772	4.029438	3.863696	4.034833	4.54774	4.795153	4.407292	4.606901	4.504423	4.556652	0.982259	0.848253	0.683459	0.945898	1.16289	1.17005	1.058946	1.072305	1.058313
TAB1	ENSG0000	-0.29536	4.811721	-3.87516	0.001162	0.005276	-1.48386	5.156772	5.070363	5.214556	4.619522	4.733289	4.662649	4.832157	4.860754	4.889843	4.917814	4.872886	5.076957	4.98725	4.850301	4.782046	4.799373	4.613145	4.617485
ASCC2	ENSG0000	-0.09727	6.137797	-1.98761	0.062755	0.124076	-5.53674	5.752454	5.738755	5.901987	5.762655	5.818465	5.855404	5.657922	5.458458	5.619566	6.589467	6.474868	6.636504	6.708725	6.575365	6.672491	6.540857	6.53525	6.576851
MTMR3	ENSG0000	-0.22128	5.539	-3.02293	0.007492	0.023058	-3.4607	5.053202	5.151261	5.094055	5.112883	5.075006	5.080903	5.093706	5.141559	4.973208	6.060989	6.085314	6.040111	6.372513	6.281656	6.42638	5.750728	5.744615	5.769665
MIEF1	ENSG0000	0.092761	6.725777	2.414693	0.026961	0.063683	-4.8171	6.849848	6.749213	6.72914	6.650575	6.735318	6.753578	6.973143	6.908832	6.916106	6.73571	6.678008	6.705318	6.585732	6.503249	6.624528	6.806614	6.69238	6.720234
APOL1	ENSG0000	0.143696	5.577379	1.42255	0.172469	0.272465	-6.34418	4.811948	4.658672	4.74442	5.232173	5.199191	5.215396	4.544628	4.741115	4.758139	6.273483	6.349235	6.314117	6.151938	6.272043	6.167159	6.520526	6.505142	6.56923
PNPLA3	ENSG0000	-0.71884	-0.4656	-1.96056	0.066068	0.129277	-4.1771	1.681202	1.883052	2.109199	1.791994	1.996426	1.956998	1.240874	1.491012	1.826075	0.483018	0.462741	0.34382	0.46104	0.26996	0.533283	0.257084	0.504542	0.106501
MYH9	ENSG0000	-0.43984	9.941497	-4.46918	0.000317	0.001874	-0.68651	9.95386	9.910042	10.0962	9.591299	9.706496	9.703962	9.212216	9.049593	9.116285	10.37641	10.31633	10.26669	10.39395	10.26411	10.31387	10.23002	10.25214	10.22205

CACNA1I	ENSG0000	-0.37026	0.273675	-2.03188	0.057652	0.116046	-4.74795	0.318509	0.106501	0.421314	0.106501	0.25478	0.461789	0.106501	0.387194	0.256032	3.772076	3.584062	3.804677	3.181815	3.243672	3.470269	3.374993	3.385297	3.279535
SAMM50	ENSG0000	-0.10634	5.348016	-2.07304	0.053249	0.108968	-5.21716	5.779563	5.83559	5.901987	5.794018	5.700562	5.743822	5.80795	5.609584	5.559688	5.006941	4.992502	5.035219	5.075443	5.076992	5.060955	5.062316	4.910886	4.985143
TXN2	ENSG0000	-0.18798	6.163587	-3.49445	0.002683	0.010276	-2.52706	6.147031	6.072572	6.135406	6.075025	6.140251	6.070736	6.028748	6.175851	6.002193	6.376307	6.287085	6.384782	6.466844	6.382256	6.384329	6.067194	6.017209	6.104461
FOXRED2	ENSG0000	0.092769	6.327292	1.073516	0.297638	0.416553	-6.85463	5.570401	5.706529	5.762434	5.98549	5.932971	6.081451	6.008705	5.848324	6.041352	6.899851	6.956138	6.974066	6.643138	6.556682	6.570234	6.93366	6.897528	6.873516
EIF3D	ENSG0000	-0.46542	8.101403	-4.56178	0.000259	0.001593	-0.3674	8.715953	8.68293	8.694237	7.700235	7.810463	7.757763	7.91174	7.866352	7.904007	8.229006	8.193428	8.209614	8.029879	7.999854	8.044507	8.081604	8.007572	8.085651
TNRC6B	ENSG0000	0.210215	4.620957	1.682962	0.110159	0.192751	-5.7509	4.212988	4.164126	4.019345	4.714371	4.825118	4.903882	4.792514	4.866483	4.831463	4.762664	4.959326	4.830842	4.779762	4.66441	4.788509	4.820694	4.576385	4.753714
SGSM3	ENSG0000	0.302766	4.753644	2.73428	0.013876	0.037725	-3.84717	4.925527	4.548709	4.85325	5.1079	5.190008	4.951383	5.093706	5.188055	5.220718	4.332495	4.296585	4.205521	5.148423	5.032138	5.025827	4.430811	4.534411	4.488745
IFT27	ENSG0000	-0.21581	3.561133	-2.79094	0.012308	0.034394	-3.46659	4.152058	3.928996	4.065319	3.966538	3.945887	3.907468	3.586698	3.698786	3.832397	3.536933	3.619889	3.413246	3.395624	3.576046	3.396027	3.501087	3.385297	3.410407
KIAA0930	ENSG0000	0.247392	6.496429	2.179985	0.043198	0.09248	-5.16622	6.875203	6.852753	6.890005	7.737815	7.6681	7.678823	7.438861	7.23317	7.396646	5.735507	5.688044	5.804535	5.780368	5.686883	5.769963	5.777454	5.625718	5.642288
SLC25A17	ENSG0000	0.152759	5.523817	1.929629	0.070048	0.135244	-5.4885	5.646	5.736477	5.778624	6.067345	6.089305	6.12353	6.059692	6.168913	6.084485	5.314527	5.087685	5.155027	5.174616	5.198683	5.100452	5.137061	5.003024	5.109451
FAM118A	ENSG0000	-0.41869	4.259613	-3.24513	0.004628	0.015847	-2.71337	4.929567	4.95753	4.917323	3.999198	4.071202	4.218286	4.454362	4.644388	4.578115	4.455814	4.487097	4.046548	4.17569	4.148793	4.242405	3.730814	4.023613	3.999746
KCTD17	ENSG0000	0.013246	3.52598	0.133721	0.895151	0.930247	-6.83847	3.236881	3.286138	3.431666	3.77864	3.934936	3.91707	3.315502	2.981485	2.915195	3.622156	3.793073	3.652879	4.139322	4.174819	4.093761	3.762638	4.017531	3.725851
ST13	ENSG0000	-0.00795	8.464992	-0.21274	0.833989	0.886389	-7.5697	8.61296	8.605466	8.628767	8.872814	8.848076	8.893841	8.7171	8.708918	8.753292	8.197165	8.183286	8.228024	8.341364	8.290011	8.3299	8.08884	8.07134	8.076272
RBX1	ENSG0000	0.211203	5.229406	4.508267	0.000291	0.001746	-0.17905	5.089762	5.211553	5.041355	5.338099	5.180767	5.187896	5.32896	5.420016	5.247756	5.240498	5.224293	5.153077	5.302552	5.361637	5.319341	5.490603	5.319564	5.380146
EP300	ENSG0000	0.046355	6.735563	0.549387	0.589691	0.694072	-7.30196	6.563094	6.579116	6.737446	7.025647	6.95991	7.140287	6.868994	6.692053	6.914701	6.796141	6.877662	6.517263	6.662488	6.57341	6.68813	6.633268	6.647799	6.615597
L3MBTL2	ENSG0000	-0.05771	5.903151	-1.41402	0.174922	0.275477	-6.36128	6.022073	6.094084	6.10638	6.017729	5.946666	6.002468	5.919505	6.007169	5.920533	5.819922	5.874589	5.924843	5.810235	5.726134	5.890527	5.901274	5.852747	5.866117
RANGAP1	ENSG0000	-0.14748	7.129204	-1.66615	0.113504	0.197127	-6.15344	7.642373	7.669193	7.66072	6.79243	6.815127	6.80232	7.233375	7.167391	7.212198	7.095425	7.074477	7.112454	6.917606	6.81266	6.831167	7.29527	7.209698	7.176583
ZC3H7B	ENSG0000	-0.22518	6.996472	-2.71765	0.014372	0.038772	-4.24918	7.523797	7.528149	7.555259	6.818591	6.798609	6.741468	7.140378	7.03502	7.083039	6.938126	6.934961	6.920051	6.881975	6.773171	6.725662	6.949646	6.935114	6.866279
PHF5A	ENSG0000	0.040005	5.56173	0.950527	0.354804	0.476114	-6.87185	5.70139	5.720428	5.633581	5.185634	5.176125	5.227023	5.701383	5.650007	5.633301	5.861941	5.693098	5.868916	5.384248	5.292003	5.269387	5.905556	5.898138	5.880558
ACO2	ENSG0000	0.02395	6.951923	0.55294	0.587307	0.692396	-7.30224	7.401156	7.40661	7.403204	7.483628	7.492506	7.453222	7.533082	7.473613	7.501464	6.425634	6.386111	6.452146	6.614721	6.612021	6.623624	6.367507	6.352866	6.381823
POLR3H	ENSG0000	-0.06269	5.966814	-1.24105	0.230986	0.341847	-6.55739	6.528888	6.473645	6.606236	6.4407	6.589306	6.491278	6.589465	6.515521	6.500674	5.534334	5.500898	5.673276	5.326113	5.32724	5.435088	5.488702	5.377692	5.461988
TRMU	ENSG0000	0.252465	4.816952	3.098918	0.006358	0.020372	-3.11061	5.100552	4.999934	5.123327	5.420792	5.431202	5.302231	5.461262	5.503276	5.526952	4.537862	4.369954	4.491347	4.309002	4.200384	4.398437	4.481413	4.592839	4.444998
PMM1	ENSG0000	-0.25451	3.977021	-2.30062	0.033971	0.076485	-4.45852	5.0569	4.80064	4.913139	4.43289	4.842803	4.616245	4.737903	4.690335	4.770621	3.659289	3.406729	3.464463	3.640803	3.453829	3.412858	3.307556	3.356678	2.896697
DESI1	ENSG0000	0.1785	5.662927	2.292151	0.034553	0.077539	-4.90354	5.819295	5.706529	5.796906	5.901593	5.868245	5.860389	5.712047	5.75257	5.663734	5.447841	5.493191	5.493859	5.50509	5.423729	5.467673	5.922559	5.779172	5.847335
CERK	ENSG0000	0.108717	5.818596	2.296683	0.03424	0.076946	-4.86178	6.609156	6.549574	6.628099	6.587536	6.50296	6.626187	6.807343	6.657772	6.772996	4.983707	5.087685	5.01818	5.053895	5.123169	5.036727	5.139487	5.003024	5.09537
BRD1	ENSG0000	-0.05068	5.164544	-0.67291	0.509807	0.625102	-7.00996	5.560015	5.482886	5.469462	5.004446	5.013874	4.864722	5.365443	5.368459	5.359397	5.09088	5.181778	5.193482	5.190502	5.029288	4.992623	5.201172	5.304658	5.033946
ZBED4	ENSG0000	-0.2445	5.555598	-4.57925	0.000249	0.001546	-0.06886	5.970071	5.967708	6.001902	5.608898	5.458224	5.54451	5.687041	5.581992	5.616111	5.656903	5.519985	5.568909	5.408221	5.292003	5.382653	5.544687	5.358575	5.403191
ABHD4	ENSG0000	0.288672	6.046053	3.167338	0.005482	0.018119	-3.17148	6.120772	6.074377	6.044605	6.689454	6.623812	6.753578	6.742939	6.6022	6.714435	5.612151	5.54629	5.47681	5.988911	5.857276	5.930525	5.513229	5.433569	5.531613
KHNYN	ENSG0000	-0.13865	7.107874	-3.13494	0.005881	0.019177	-3.38862	6.948699	6.812224	6.823565	7.343335	7.329594	7.320227	6.575907	6.66765	6.544946	7.137482	7.117093	7.202413	7.701974	7.653486	7.617089	7.156034	7.095983	7.09313
FKBP3	ENSG0000	0.072353	6.534128	1.326204	0.201843	0.307208	-6.57038	6.234531	6.221723	6.140783	6.477868	6.424879	6.453835	6.318841	6.295349	6.278331	6.815186	6.789961	6.7912	6.619129	6.737816	6.772059	6.853916	6.87416	6.807033
SDR39U1	ENSG0000	-0.09266	5.273497	-1.27785	0.218015	0.326909	-6.44307	5.294704	5.346137	5.30675	4.97738	5.190008	5.072334	5.30568	5.155666	5.351109	5.384942	5.434044	5.339521	5.477839	5.605024	5.553662	5.233327	5.287071	5.296461
RBM23	ENSG0000	0.085624	6.850858	1.794654	0.090023	0.164237	-5.93271	6.425413	6.461282	6.512548	6.500859	6.510356	6.463697	6.706074	6.67583	6.771444	7.193615	7.179045	7.176249	7.215651	7.152271	7.176165	7.105433	7.131612	7.194858
PRMT5	ENSG0000	-0.21659	7.618888	-5.30032	5.36E-05	0.000464	1.252885	7.554857	7.536684	7.521987	7.109061	7.033624	7.02513	7.163872	7.19725	7.184478	8.202836	8.09408	8.167735	7.767646	7.797383	7.773514	8.079711	8.007572	8.064123
COCH	ENSG0000	0.332796	4.143517	2.012168	0.059876	0.119676	-4.95906	5.266237	5.234335	5.05661	5.517909	5.60362	5.669075	5.646849	5.653324	5.474506	3.284659	3.232543	3.210672	2.504718	2.612083	2.703134	3.281432	3.32748	3.410407
AP4S1	ENSG0000	0.215734	3.46684	2.858545	0.010659	0.030579	-3.44286	3.041689	2.853456	2.579475	3.06262	3.170134	2.865864	2.981245	2.848856	2.748518	3.980092	4.296585	4.096105	4.407437	4.476309	4.484549	4.353508	4.395944	4.38838
POLE2	ENSG0000	-0.15192	2.695239	-0.74919	0.463706	0.583668	-6.4737	3.056542	3.027527	2.641489	2.577385	2.71237	2.22781	2.667326	3.102941	2.892531	3.751589	3.975599	3.824415	1.733794	1.921808	1.900186	3.651445	3.659719	3.55117
VCPKMT	ENSG0000	0.102366	3.214889	1.094256	0.288695	0.406875	-6.21076	2.850396	2.9974	3.309643	2.91067	3.207016	3.335661	3.004565	3.318907	3.389938	3.520882	3.554746	3.784665	3.501296	3.528394	3.454098	3.658228	3.68296	3.650813
SOS2	ENSG0000	-0.01368	4.964316	-0.14389	0.887233	0.924761	-7.19857	4.2778	4.164126	4.229112	4.96641	4.758354	4.899045	4.709802	4.690335	4.626988	5.382723	5.473744	5.210458	5.792129	5.8476	5.918789	5.170659	5.048468	5.091828
CDKL1	ENSG0000	-0.20384	0.499061	-0.93553	0.362261	0.484084	-5.7293	1.642349	1.420874	1.202741	1.182548	0.92021	1.250575	1.459147	0.824004	0.735084	1.388276	1.644832	1.360915	1.392977	1.16289	1.284217	1.571317	1.513652	1.626848
NIN	ENSG0000	-0.0733	6.015857	-1.74745	0.098105	0.176206	-5.89228	5.973987	5.994648	5.910407	6.190301	6.11136	6.156332	5.850398	5.783182	5.782514	6.059601	6.081465	6.041166	6.256567	6.240353	6.116685	6.060808	6.038386	6.050746
PYGL	ENSG0000	-0.34415	7.338762	-8.37909	1.57E-07	5.09E-06	7.273781	7.872774	7.946019	7.839471	7.430734	7.323309	7.311152	7.611118	7.585526	7.60703	7.466136	7.44679	7.493815	6.715603	6.713165	6.692445	7.034863	7.083666	7.095784
TRIM9	ENSG0000	-0.1899	-0.08155	-0.68606	0.501674	0.618163	-5.71402	1.561356	1.947501	1.921989	1.519216	1.307481	1.799787	1.317361	1.430416	1.171446	0.54782	0.524532	0.449284	0.745413	0.484926	0.593579	0.576451	0.816175	0.805046
PSMC6	ENSG0000	-0.15839	6.73487	-4.42462	0.000349	0.002024	-0.5666	6.756286	6.812224	6.689324	6.462335	6.411116	6.476742	6.534451	6.71922	6.678454	7.061151	7.08156	7.052	6.699734	6.753445	6.689858	6.871535	6.839246	6.891962
GNPNAT1	ENSG0000	-0.11505	7.135072	-3.47536	0.002798	0.010647	-2.68387	7.012932	6.950339	6.975757	6.691121	6.670775	6.634942	6.898859	6.872281	6.783812	7.57605	7.535284	7.565572	7.307744	7.379085	7.399487	7.457184	7.427727	7.487461
DDHD1	ENSG0000	0.174502	4.7704	2.637757	0.016998	0.044221	-4.07454	4.2778	4.553894	4.406272	5.0571	5.024245	4.992837	4.688362	4.80814	4.66091	4.86157	4.86395	4.654613	5.19838	5.144398	5.087406	4.947942	4.787661	4.832225
CDKN3	ENSG0000	0.278681	3.912115	1.647424	0.11733	0.202409	-5.67546	4.884496	4.719916	4.498524	3.921807	3.722109	3.838399	5.178171	5.285358	5.136423	4.359822	4.045764	4.310722	2.314863	2.039797	1.900186	4.203908	4.195062	4.223386
CNIH1	ENSG0000	0.029279	7.176604	0.568546	0.576897	0.684014	-7.3502	7.326529	7.418738	7.285132	6.826196	6.751013	6.786691	7.542075	7.507924	7.403676	7.339736	7.320209	7.330873	6.904423	6.921193	6.914784	7.230179	7.261433	7.296052
CGRRF1	ENSG0000	0.038212	3.442473	0.35568	0.726337	0.805953	-6.77901	3.551922	3.608619	3.522358	3.51817	3.207016	3.216292	3.296733	3.749274	3.759121	3.544892	3.486521	3.619375	3.835226	3.858903	3.799527	3.501087	3.698248	3.571657
ATP6V1D	ENSG0000	0.073662	6.103626	0.946769	0.356663	0.478294	-6.92784	5.895619	5.83559	5.8172	6.122741	6.064398	6.087841	6.132946	6.150246	6.293548	6.164057	6.133205	6.158558	6.403511	6.453088	6.48625	6.072282	5.916229	6.068874
PLEK2	ENSG0000	0.329671	3.195695	3.048653	0.007088	0.022081	-3.07356	3.026682	2.853456	2.776595	2.325974	2.366112	2.029614	2.545421	2.324112	2.616448	4.087524	4.186209	4.253631	3.830164	3.921728	3.679472	4.720549	4.668528	4.665927
PIGH	ENSG0000	0.911771	3.978045	8.507216	1.27E-07	4.27E-06	7.846404	3.313074	3.310847	3.322321	4.54774	4.158524	4.34463	4.479546	4.519046	4.459769	3.403229	3.633975	3.538032	4.63635	4.608219	4.617548	4.199264	4.07722	4.197255
PSMA3	ENSG0000	-0.09005	7.010042	-2.35397	0.030504	0.070041	-4.96474	7.218413	7.214556	7.127931	6.891445	6.774239	6.856972	7.016804	7.207443	7.132234	7.195513	7.121473	7.221147	6.713543	6.706935	6.779379	7.039417	7.078564	7.094015
VTI1B	ENSG0000	0.102438	6.051183	2.614184	0.017857	0.045931	-4.33621	5.903856	5.926333	6.015627	6.250324	6.234814	6.333504	6.143489	6.063123	6.054173	5.880929	5.877552	5.950891	6.189971	6.26963	6.299759	5.916914	6.014158	6.000631
TIMM9	ENSG0000	-0.21509	5.300351	-3.45902	0.0029	0.010936	-2.48952	5.606174	5.634949	5.37527	5.15214	4.955466	5.097889	5.082792	5.188055	5.146036	5.510146	5.485444	5.606445	5.240955	5.287239	5.323798	5.448178	5.449467	5.494541
GSTZ1	ENSG0000	-0.60091	4.325353	-5.8131	1.86E-05	0.000205	2.772845	4.992709	4.992316	5.022058	4.3081	4.222966	4.138446	4.302704	4.482206	4.364168	4.412971	4.479316	4.52189	4.309002	4.412116	4.402656	4.01601	3.942484	3.87342
KIAA0586	ENSG0000	-0.39366	4.192351	-6.77769	2.79E-06	4.82E-05	4.697997	4.363907	4.336476	4.388298	4.142539	4.376555	4.249025	3.976929	4.147745	3.90213	4.525848	4.562677	4.444286	4.400624	4.303069	4.389961	4.052512	4.065478	4.274271
TMED8	ENSG0000	0.926421	5.170053	10.99882	2.79E-09	2.35E-07	11.55715	4.239263	4.12982	4.281987	5.062262	4.894593	5.033133	5.547145	5.447033	5.493457	5.21079	5.267851	5.139353	5.495531	5.495702	5.475705	5.925374	5.802349	5.911023
SAMD15	ENSG0000	-0.31015	1.391464	-2.27985	0.035416	0.078972	-4.01718	1.286899	1.465573	1.088647	2.103714	1.612488	1.840725	1.317361	1.001115	1.38134	2.18395	2.437987	2.152295	2.95881	2.962168	2.895043	1.970607	1.82352	2.033602
AHSA1	ENSG0000	-0.06249	7.801513	-1.40023	0.178945	0.280233	-6.60177	7.360589	7.26995	7.281079	7.040106	7.072867	7.060219	7.078541	7.048944	7.088034	8.566853	8.501627	8.495283	8.328859	8.295063	8.327683	8.588793	8.559465	8.596188
DAAM1	ENSG0000	-0.4928	4.62455	-2.12456	0.048167	0.100726	-5.09606	4.762983	4.724521	4.636889	3.441022	3.426184	3.18484	3.115825	3.102941	3.143496	5.44146	5.597503	5.409798	6.12739	6.240353	6.214728	5.400428	5.26414	5.453733
SPTLC2	ENSG0000	-0.08082	5.57785	-1.16221	0.260776	0.376353	-6.65835	4.95357	4.913842	4.942176	5.190356	5.221894	5.2875	4.6445	4.670823	4.694053	6.286596	6.335294	6.209172	6.250896	6.33341	6.26889	6.32551	6.283608	6.209512
RIN3	ENSG0000	0.257912	4.121506	2.593253	0.018654	0.047614	-4.07724	3.936145	3.768792	3.828148	3.605613	4.081169	3.700636	3.571163	3.711575	3.655245	4.332495	4.269773	4.408771	4.933985	4.820936	4.820398	4.865346	4.769683	4.689552
LGMN	ENSG0000	-0.06057	6.286955	-1.58244	0.131476	0.220793	-6.21318	5.966143	5.877545	5.893516	5.576799	5.57216	5.547605	5.925627	5.918946	6.025816	6.974675	6.944176	7.00196	6.635904	6.561622	6.569296	6.893979	6.851263	6.791833
ALKBH1	ENSG0000	-0.01237	4.575258	-0.21533	0.832	0.885135	-7.12827	4.199669	4.262405	4.363979	4.333937	4.310303	4.372816	4.512454	4.389749	4.41276	5.099011	4.928229	5.054151	4.785003	4.843827	4.863891	4.908658	4.952919	4.886383
SNW1	ENSG0000	-0.15569	6.655423	-2.67728	0.015647	0.041477	-4.30734	6.65135	6.633998	6.659661	6.220625	6.180215	6.213949	6.464699	6.555084	6.519286	6.960612	6.91995	7.030387	6.833478	6.890895	6.913307	6.86715	6.755857	6.796192
CHGA	ENSG0000	-0.06668	-1.03277	-0.36977	0.715997	0.798961	-5.83918	3.183753	3.39414	3.190238	3.123142	3.093416	2.805104	3.19904	3.043491	3.199964	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ITPK1	ENSG0000	1.70241	6.120219	6.134149	9.76E-06	0.000126	3.326729	6.791116	6.804633	6.738629	8.972814	8.930675	8.958913	8.728962	8.607369	8.626837	3.926269	3.913441	3.85832	3.894617	4.062207	3.760608	4.799373	4.798342	4.844905
DHRS7	ENSG0000	-0.09065	6.373278	-1.23796	0.232104	0.343252	-6.65477	6.418244	6.448813	6.400443	6.159327	6.161547	6.168443	6.332727	6.438765	6.451128	6.367358	6.44422	6.541317	6.616192	6.614876	6.552305	6.305125	6.330965	6.290535
PPM1A	ENSG0000	0.294984	5.473463	7.117728	1.47E-06	2.92E-05	5.170645	5.334855	5.404699	5.258094	5.7878	5.732536	5.801988	5.559008	5.659938	5.629879	5.14686	5.115559	5.292465	5.660022	5.683261	5.620394	5.47532	5.469653	5.494541
SIX4	ENSG0000	-0.01176	4.176879	-0.16611	0.869974	0.912409	-7.12174	3.593253	3.714268	3.586821	3.325575	3.394558	3.292047	3.33403	3.141256	3.181386	5.101711	5.032928	5.052059	5.184566	5.18338	5.264758	5.146741	5.184958	5.19777
GALNT16	ENSG0000	0.814479	1.268518	1.832562	0.083961	0.155974	-4.46989	4.615318	4.412648	4.547936	6.800173	6.824058	6.703131	5.35187	5.289629	5.408147	0.269074	0.259702	0.230035	0.352262	0.106501	0.263213	0.183756	0.358227	0.214669
CEP128	ENSG0000	0.085928	1.957866	0.616001	0.545833	0.657113	-6.36894	2.526909	2.448351	2.794903	1.933905	1.666451	1.526279	2.908934	2.777669	2.471058	2.894025	2.727926	2.911754	1.248697	1.393161	1.284217	2.831347	2.741225	3.079476
ERH	ENSG0000	-0.0856	7.546812	-2.14637	0.046152	0.097384	-5.40129	7.531127	7.488763	7.555259	6.952482	6.932643	6.937025	7.334607	7.449959	7.413659	8.008967	7.950925	7.917075	7.569675	7.63298	7.590982	7.85717	7.932799	7.93369
HIF1A	ENSG0000	0.859151	8.461758	3.937812	0.001013	0.00473	-1.7483	7.593561	7.731719	7.708583	9.319805	9.307285	9.371497	8.597587	8.553781	8.560992	8.080182	8.112431	8.137727	8.188337	8.170924	8.172948	8.896395	8.900378	8.989276
SUSD6	ENSG0000	-0.23827	5.537376	-2.13236	0.047437	0.099448	-5.19698	4.901049	4.999934	5.108765	5.190356	5.217382	5.191857	5.310366	5.339915	5.392079	6.165349	6.085314	6.180741	6.166067	6.130274	6.154705	5.575473	5.560291	5.600528
SRSF5	ENSG0000	-0.31582	7.129996	-4.47434	0.000313	0.001859	-0.49879	7.201808	7.202228	7.144087	6.591112	6.289573	6.515184	6.635005	6.782709	6.772996	7.619094	7.648889	7.629027	7.430292	7.345107	7.439566	7.40722	7.397606	7.487461
EIF5	ENSG0000	0.341861	8.572473	4.447331	0.000332	0.001944	-0.65302	8.070483	8.165114	8.07493	8.407591	8.344548	8.38318	8.689487	8.736555	8.644747	8.841616	8.808408	8.811877	8.501161	8.534739	8.524191	8.973887	8.892508	8.971318
DICER1	ENSG0000	-0.02418	6.586659	-0.34354	0.735288	0.813414	-7.39187	6.413925	6.448813	6.469031	6.667608	6.428788	6.705903	6.217704	6.245657	6.206646	6.782742	6.756554	6.627403	6.725177	6.775724	6.833513	6.831585	6.774008	6.930146
ZFYVE21	ENSG0000	0.161001	5.071609	2.782303	0.012536	0.034902	-3.89835	4.595114	4.644161	4.520694	4.464421	4.544465	4.447604	4.666597	4.843429	4.770621	5.47933	5.531317	5.577658	5.654305	5.642809	5.72012	5.794488	5.707321	5.521118
MTHFD1	ENSG0000	-0.38233	7.040906	-7.47405	7.65E-07	1.73E-05	5.654938	7.292429	7.367396	7.268852	6.737027	6.703408	6.721057	6.901967	6.906053	6.805205	7.577506	7.457225	7.52619	6.746826	6.696193	6.676852	7.245463	7.115332	7.198979
ZC3H14	ENSG0000	-0.1817	6.392178	-3.83791	0.001262	0.005642	-1.80707	6.715925	6.724138	6.663402	6.450574	6.352653	6.445565	6.655407	6.6022	6.61411	6.560316	6.458142	6.521048	5.93217	5.986328	5.977952	6.20676	6.206853	6.308955
TELO2	ENSG0000	-0.05897	5.282396	-0.54008	0.595955	0.699422	-7.14327	4.85081	4.921884	5.116065	4.881362	5.235346	4.918297	4.737903	4.637703	4.700591	5.698525	5.789058	6.070389	5.642804	5.434541	5.467673	6.032372	5.981727	5.682873
PCNX1	ENSG0000	-0.03012	5.88708	-0.42402	0.676722	0.7676	-7.26831	5.493352	5.582643	5.552509	5.848808	5.930216	6.115212	5.774426	5.58547	5.556087	6.153685	6.24526	6.005947	6.124292	6.144832	6.270045	5.937972	6.030859	6.072473
GSKIP	ENSG0000	-0.04973	5.462671	-0.82754	0.419085	0.540802	-6.95377	5.180696	5.007511	5.183625	5.137544	5.226392	5.203674	5.257962	5.281075	5.188519	5.783387	5.779586	5.785781	5.992313	6.039705	5.983596	5.628249	5.609638	5.675793
VRK1	ENSG0000	-0.43233	4.510684	-4.81893	0.000149	0.001035	0.523663	4.863535	4.787496	4.777019	3.376187	3.426184	3.620621	4.544628	4.405576	4.380548	5.828099	5.719758	5.838905	3.53901	3.806595	3.62273	5.334197	5.289597	5.391714
PSMC1	ENSG0000	-0.09152	7.327636	-2.82986	0.011331	0.032098	-4.05429	7.327294	7.361495	7.306026	7.189095	7.051479	7.192618	7.237072	7.236492	7.220183	7.483839	7.470041	7.549356	7.390445	7.36163	7.428228	7.428208	7.392329	7.438803
PAPLN	ENSG0000	-0.50815	1.020278	-1.74627	0.098314	0.176527	-4.93203	1.286899	1.226787	1.028027	0.742604	0.730585	0.909432	1.459147	0.622068	0.629397	2.282443	2.453955	2.055402	3.46257	3.38415	3.629946	1.759719	1.981819	1.942153
RPS6KA5	ENSG0000	0.078841	2.720734	0.463923	0.648429	0.745465	-6.63331	1.719036	2.125186	2.109199	2.457149	2.520598	2.374422	2.884002	2.801791	2.959482	3.512789	3.824119	3.602326	3.325419	3.622174	3.19663	3.358427	3.317614	3.432977
PPP4R3A	ENSG0000	0.219993	6.527731	5.972367	1.35E-05	0.000161	2.765285	6.583748	6.533918	6.54806	6.498957	6.352653	6.575548	6.827098	6.761343	6.7273	6.437439	6.379856	6.464778	6.376858	6.414288	6.370394	6.677344	6.648783	6.611893
C14orf93	ENSG0000	0.186616	2.201306	2.09109	0.051415	0.106024	-4.54835	1.990546	1.744817	1.706811	2.181668	2.333126	2.196611	2.01302	2.184314	2.165532	2.856146	2.792142	2.724859	3.181815	3.233802	3.317756	2.794876	2.827179	2.990979
PSMB5	ENSG0000	-0.14869	7.408897	-4.1759	0.000601	0.003108	-1.16632	7.465867	7.482659	7.48088	7.238947	7.326455	7.260193	7.357428	7.355342	7.26939	7.67138	7.589143	7.642294	7.340149	7.241171	7.338028	7.519046	7.439715	7.500208
YY1	ENSG0000	0.457298	6.896711	8.161936	2.27E-07	6.65E-06	6.924032	6.284277	6.528661	6.440242	6.924414	7.048942	7.033983	7.074414	6.972641	6.941169	6.747828	6.789961	6.81421	7.085771	7.197406	7.090489	7.208391	7.170498	7.015808
ACIN1	ENSG0000	-0.06074	7.656625	-1.84667	0.081799	0.153042	-5.92277	7.387271	7.309568	7.283513	7.095279	7.057803	7.119644	7.238302	7.194975	7.153836	8.189887	8.189261	8.124851	8.073633	8.006753	8.047204	8.147267	8.1764	8.163212
CCNB1IP1	ENSG0000	0.689198	5.342267	7.382254	9.04E-07	1.98E-05	5.660934	4.794334	4.733688	4.739702	4.988267	4.998178	5.028711	5.435754	5.495903	5.416114	5.138995	5.203192	5.193482	6.081272	5.996579	6.072348	5.745959	5.861261	5.923032
TRIP11	ENSG0000	-0.26628	6.075886	-6.12423	9.95E-06	0.000127	3.117777	5.899743	5.918315	6.013674	5.806374	5.723018	5.835287	5.498697	5.636658	5.59521	6.461816	6.499118	6.468703	6.508628	6.543758	6.503049	6.253425	6.252876	6.354004
APEX1	ENSG0000	-0.32032	7.902851	-6.1756	8.98E-06	0.000119	3.067106	7.944396	7.948973	7.877549	7.441667	7.533919	7.461448	7.546053	7.633355	7.629476	8.352895	8.245674	8.29366	8.167168	8.171894	8.17233	7.970515	8.018651	7.955777
PABPN1	ENSG0000	-0.10541	6.292221	-1.96618	0.065367	0.12817	-5.59482	6.344518	6.237919	6.304671	5.812513	5.833285	5.794193	6.192541	5.975709	6.121501	6.629314	6.586815	6.615415	6.441346	6.485682	6.487243	6.531651	6.631964	6.580647
ARHGAP5	ENSG0000	0.051215	6.766385	0.885355	0.387984	0.50958	-7.08812	6.02018	5.975457	6.087938	5.90734	5.924691	5.923682	5.958837	6.063123	6.084485	7.466659	7.459204	7.408526	7.708539	7.771606	7.738892	7.477941	7.50311	7.597077
CINP	ENSG0000	0.136977	5.652505	1.749995	0.097654	0.175572	-5.85307	5.575566	5.31594	5.533555	5.272812	5.423388	5.30954	5.722633	5.78015	5.825024	5.776643	5.781169	5.779474	5.955599	5.964114	5.869343	5.78212	5.833837	5.778504
DHRS2	ENSG0000	0.178171	5.546023	2.878608	0.010213	0.02956	-4.02215	0.814199	0.661886	0.756332	1.326771	0.625525	0.563119	1.525136	1.430416	1.674905	11.41129	11.35075	11.32142	10.62402	10.66227	10.62907	11.49089	11.47374	11.54959
SRP54	ENSG0000	0.020438	6.853491	0.643131	0.528487	0.641654	-7.27848	6.37001	6.352432	6.37481	6.454505	6.327751	6.437247	6.353309	6.328935	6.348704	7.330557	7.322385	7.359481	7.325387	7.412282	7.34736	7.368966	7.366843	7.426202
CHD8	ENSG0000	-0.02539	7.04004	-0.62227	0.5418	0.653639	-7.3094	6.441062	6.46679	6.512548	6.578559	6.506663	6.608517	6.52843	6.588399	6.566582	7.64339	7.678921	7.499198	7.590777	7.591072	7.63558	7.518581	7.476202	7.505542
PCK2	ENSG0000	-0.09783	4.819675	-2.13812	0.046906	0.098609	-5.1241	4.85081	4.778666	4.835673	3.791129	3.855857	3.75519	4.688362	4.747338	4.534865	5.645844	5.602884	5.728007	4.82626	4.638459	4.698713	5.602102	5.627716	5.575386
PRORP	ENSG0000	0.129496	1.259951	0.760585	0.457044	0.577918	-5.92955	2.080492	2.206444	1.853768	2.21912	1.864131	2.098749	2.144798	1.85606	2.165532	1.52331	1.467416	1.126631	1.797417	1.591687	1.801384	1.419885	1.67689	1.416439
DCAF11	ENSG0000	0.224957	5.376136	3.374194	0.003492	0.012637	-2.68955	4.381709	4.435299	4.281987	5.087795	4.971631	5.183924	4.792514	4.981823	4.745547	5.764766	5.796904	5.74623	6.601414	6.529709	6.566478	5.847385	5.934095	5.843128
PSMA6	ENSG0000	-0.1503	2.972646	-1.55819	0.137111	0.228325	-5.59201	3.300651	3.042358	3.075109	2.393052	2.85862	2.429135	2.806512	3.063581	3.236418	3.437834	3.591299	3.549937	3.251622	3.310934	3.344321	3.415594	3.347011	3.364179
NFKBIA	ENSG0000	-0.52356	7.173985	-1.43618	0.168609	0.267666	-6.49737	8.58634	8.654554	8.619808	5.587578	5.539998	5.590242	8.072094	7.936118	8.031357	7.14208	7.139481	7.166617	6.989173	7.05473	7.073387	6.755339	6.77851	6.646104
EMC9	ENSG0000	0.418851	4.194586	6.078175	1.09E-05	0.000137	3.304345	3.85351	3.863696	3.979882	4.263984	4.1957	4.186878	4.376062	4.576102	4.313883	4.227618	4.301006	4.324649	4.230502	4.250194	4.232958	4.694387	4.592839	4.483349
PSME2	ENSG0000	0.112831	7.152106	3.133026	0.005905	0.019239	-3.42823	6.406698	6.472276	6.470455	6.382055	6.317247	6.158358	6.570057	6.610759	6.528503	7.891383	7.8729	7.887473	7.739577	7.829687	7.838026	7.998181	7.965151	8.01167
BRMS1L	ENSG0000	-0.3082	5.073685	-7.13876	1.41E-06	2.82E-05	5.208901	4.758449	4.668265	4.74442	4.218476	4.352066	4.420855	4.402637	4.540708	4.388669	5.90277	5.938407	5.987463	5.607741	5.644673	5.711642	5.689133	5.619709	5.593031
REC8	ENSG0000	-0.2343	0.920674	-0.97251	0.344063	0.46503	-5.96522	0.587539	0.410755	0.829201	1.104644	1.006428	1.367251	0.415731	0.824004	0.629397	2.990428	3.26005	2.714318	2.42639	2.269709	2.528806	2.554269	2.770449	2.830235
TM9SF1	ENSG0000	0.827385	2.859254	6.442121	5.32E-06	7.80E-05	4.229141	2.296082	2.655462	2.5366	3.342644	2.737798	3.27721	2.957542	3.196885	3.271973	2.47802	2.714733	2.776437	3.436163	3.637228	3.563664	3.691675	3.236163	3.279535
SEC23A	ENSG0000	-0.16584	7.040183	-3.1403	0.005813	0.019003	-3.36903	7.205144	7.184788	7.158299	7.423733	7.333769	7.390843	7.152173	7.085019	7.045009	7.024621	7.000301	7.015439	6.829679	6.839755	6.908864	6.750586	6.780307	6.800538
GMPR2	ENSG0000	-0.01758	6.449832	-0.22095	0.82769	0.882196	-7.42376	5.77508	5.798943	5.648759	5.85774	5.8095	5.870309	5.78793	5.764893	5.779429	6.95166	6.96661	6.938282	7.578756	7.542424	7.62659	6.891823	6.939141	6.910175
PNN	ENSG0000	-0.01471	6.828739	-0.16824	0.868322	0.91132	-7.46715	6.568285	6.61304	6.610118	6.860671	6.837352	6.899977	6.618096	6.711283	6.70796	7.10555	7.206403	7.082031	6.735366	6.762912	6.738237	6.946186	7.007471	7.143608
RABGGTA	ENSG0000	-0.36	5.149785	-5.85382	1.71E-05	0.000194	2.695311	5.420591	5.401827	5.446484	5.1079	4.998178	4.894191	5.049544	4.728586	4.978598	5.493793	5.399419	5.380097	5.271149	5.149657	5.188613	5.249139	5.171328	5.119922
NFATC4	ENSG0000	0.127366	3.302281	1.276175	0.218592	0.327693	-5.96538	2.548084	2.425906	2.700947	3.851999	3.901574	3.97338	2.480375	2.676938	2.588518	3.437834	3.494263	3.608031	4.624704	4.604394	4.468538	3.560228	3.829005	3.601852
PLTP	ENSG0000	0.080033	3.168103	0.505388	0.6196	0.720111	-6.60067	3.603403	3.58855	3.717332	2.999448	3.441741	3.216292	3.965091	3.999201	4.279358	3.113269	3.086546	3.218152	3.091636	3.020741	2.98783	2.719047	2.972579	2.960231
PCIF1	ENSG0000	-0.22515	5.632044	-4.95214	0.000112	0.000828	0.710042	5.474121	5.410426	5.325763	5.367584	5.458224	5.257578	5.213624	5.122533	5.092354	6.114112	5.98997	6.132075	6.155989	6.095271	6.073672	5.964211	5.835567	5.847335
GSS	ENSG0000	-0.28199	6.389399	-5.64457	2.63E-05	0.000265	2.103574	6.944712	6.901354	6.947395	6.346536	6.3361	6.242871	6.485567	6.553309	6.500674	6.463916	6.368317	6.360483	6.070582	6.048178	6.023869	6.22172	6.24769	6.27031
MMP9	ENSG0000	0.477414	-0.9697	1.854107	0.080678	0.151431	-4.67662	0.41387	0.106501	0.219246	0.106501	0.25478	0.106501	0.106501	0.253663	0.106501	1.865926	1.8028	1.896649	1.420179	1.681564	1.775589	2.583072	2.169028	2.350536
VSX1	ENSG0000	0.389723	-1.51387	1.700881	0.106688	0.188087	-4.80734	0.318509	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.239286	1.752042	1.49011	1.27873	1.528499	1.456457	1.948641	1.90484	1.775544
TRPC4AP	ENSG0000	-0.05493	7.453176	-1.4994	0.151615	0.246852	-6.40905	7.649738	7.593173	7.607983	7.716695	7.737496	7.717803	7.475831	7.443265	7.468322	7.303251	7.234408	7.236882	7.44361	7.3869	7.410529	7.337087	7.253693	7.294512
PYGB	ENSG0000	-0.09086	9.622219	-0.70229	0.491743	0.609194	-7.39813	10.80516	10.78115	10.82102	10.50828	10.59925	10.50317	10.3565	10.35901	10.36393	8.754642	8.729023	8.769072	8.307621	8.185399	8.205613	9.10504	9.041169	9.0478
ABHD12	ENSG0000	0.052095	6.755868	0.638237	0.531594	0.644542	-7.27024	5.633672	5.627592	5.663779	6.436731	6.467301	6.361906	5.900984	5.965067	5.99689	7.558958	7.472493	7.563372	7.655159	7.650706	7.671429	7.440065	7.444256	7.382662
PROCR	ENSG0000	0.226126	5.898929	3.480262	0.002768	0.010555	-2.41902	7.401883	7.388588	7.361587	6.951091	6.969333	6.910831	7.479997	7.522513	7.465445	4.355303	4.547875	4.592658	4.390344	4.344933	4.381435	5.015537	4.933671	4.836464
GINS1	ENSG0000	-0.14209	5.09698	-1.07301	0.297857	0.416814	-6.73308	5.128936	5.120143	5.094055	4.218476	4.301803	4.210498	5.077304	5.174263	4.90124	6.278265	6.237208	6.317603	4.102013	4.127629	4.124741	6.072282	6.09001	6.070675
NINL	ENSG0000	0.193538	3.304518	2.143408	0.046421	0.09781	-4.78714	2.461454	1.780637	2.274882	3.21869	2.948483	2.924168	1.867984	1.988058	2.127218	3.980092	4.205202	4.132188	5.366878	5.381888	5.358964	4.276243	4.508628	4.311289
CD40	ENSG0000	0.288974	2.445199	2.73605	0.013825	0.037635	-3.57809	1.861169	1.883052	1.744977	1.256461	1.768674	1.475193	1.389995	1.988058	1.727075	3.584041	3.682218	3.685623	4.085116	3.964133	4.013272	4.083081	3.916575	3.992166

UQCC1	ENSG0000	-0.30884	6.596412	-3.82281	0.001304	0.005785	-1.87037	7.193433	7.223531	7.167988	6.241251	6.135476	6.16038	6.797363	6.704901	6.73369	6.729612	6.652289	6.725797	6.326528	6.303053	6.3333	6.562714	6.519199	6.508098
ZMYND8	ENSG0000	-0.15331	5.710372	-3.42989	0.003091	0.011499	-2.61107	5.883176	5.954048	6.015627	5.483695	5.49597	5.669075	5.888503	5.943547	5.897954	5.913568	5.892276	5.899478	5.448413	5.44741	5.487671	5.667442	5.64557	5.666299
IFT52	ENSG0000	-0.00496	4.76266	-0.08576	0.93263	0.955918	-7.13584	4.721647	4.687262	4.606117	5.05192	4.877535	5.114677	4.702691	4.747338	4.889843	4.7455	4.755391	4.776148	5.083973	4.931925	4.97856	4.609434	4.648991	4.775955
MYBL2	ENSG0000	0.089666	5.759707	0.43371	0.669805	0.762653	-7.2839	6.16256	6.102954	6.172636	5.396478	5.644527	5.510028	6.443525	6.489769	6.456933	6.47333	6.253266	6.547268	3.894617	4.034047	3.86826	6.287732	6.314938	6.252972
NDRG3	ENSG0000	0.140979	5.387124	3.207207	0.005027	0.016942	-3.00093	5.482394	5.358041	5.437772	5.884211	5.713437	5.852905	5.578564	5.543171	5.485906	5.12579	4.997958	5.093319	5.466467	5.476997	5.426825	5.286834	5.23036	5.171166
RAB5IF	ENSG0000	0.114286	2.778759	0.519505	0.609926	0.711713	-6.43137	3.114469	3.526613	3.500214	3.714523	3.709312	3.419122	3.277716	2.825515	3.572114	1.76051	2.500824	2.724859	2.727949	2.657091	2.906973	3.16242	2.618024	2.252429
NFATC2	ENSG0000	-0.55804	2.759344	-1.57847	0.132384	0.221882	-5.34059	3.623492	3.676739	3.736403	4.181007	4.222966	4.053927	2.144798	2.029503	2.127218	2.37464	2.469748	2.30059	2.626498	2.700737	2.689384	2.866919	3.081525	2.928814
RIMS4	ENSG0000	-1.05126	-1.30806	-3.57927	0.002228	0.008796	-1.30437	3.633432	3.472886	3.533304	2.063099	2.193078	1.993763	2.545421	2.389238	2.34318	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PABPC1L	ENSG0000	-0.40507	3.914317	-3.36887	0.003533	0.012761	-2.34504	3.944154	3.759847	4.215584	4.525489	4.327153	4.518705	3.440463	3.415864	3.60036	3.907872	4.344483	3.955502	4.35554	4.169652	4.423569	3.552967	3.705831	4.073428
STK4	ENSG0000	-0.18494	5.587662	-1.57962	0.13212	0.22159	-6.02982	6.576037	6.611798	6.470455	6.028317	5.876854	6.000211	6.456267	6.471088	6.271759	4.930021	5.006104	4.95243	5.025392	5.115127	5.151487	4.710794	4.79479	4.753714
ADNP	ENSG0000	0.084516	7.502685	1.943576	0.068228	0.132484	-5.73441	7.544358	7.497534	7.460237	7.54667	7.341046	7.535008	7.703968	7.666573	7.715923	7.488489	7.507341	7.48027	7.38312	7.461744	7.435453	7.482248	7.451605	7.494855
PFDN4	ENSG0000	-0.6318	4.772201	-6.06817	1.11E-05	0.000139	3.179067	5.606174	5.528369	5.517107	4.122913	4.139571	4.241401	4.702691	4.709588	4.633836	5.24539	5.069663	5.263838	4.598153	4.525683	4.663983	4.762075	4.725598	4.853297
CSTF1	ENSG0000	0.392238	5.934756	3.838299	0.00126	0.00564	-1.7386	5.658224	5.634949	5.47515	6.432751	6.348532	6.333504	6.09271	6.128954	6.074452	5.754507	5.800031	5.847371	5.803795	5.876434	5.773225	6.08995	6.041387	6.102702
RAE1	ENSG0000	-0.31798	6.606119	-4.69101	0.000196	0.001281	0.016571	6.925625	6.940477	6.837983	5.872506	5.856685	5.914123	6.290661	6.322697	6.391763	7.121604	7.069951	7.128918	6.491098	6.535747	6.534151	7.009889	6.929457	7.023265
TPD52L2	ENSG0000	-0.20252	8.206733	-3.73317	0.001588	0.006747	-2.20316	8.204046	8.140771	8.170487	7.614118	7.730388	7.647439	7.78111	7.751072	7.764318	8.691289	8.593688	8.635611	8.449493	8.405793	8.415384	8.643231	8.590009	8.586783
DNAJC5	ENSG0000	0.085223	7.252775	1.452609	0.164049	0.262116	-6.47328	7.190069	7.198094	7.198393	6.913032	6.95991	6.891478	7.402016	7.346145	7.306296	7.325945	7.320754	7.413422	7.410506	7.338214	7.370701	7.402178	7.406942	7.332523
NELFCD	ENSG0000	0.047063	6.590934	0.847477	0.408185	0.530116	-7.08944	5.946343	5.854621	5.961952	6.373776	6.409139	6.481604	6.09814	6.001973	6.162335	7.06323	6.985272	7.058786	7.219528	7.125164	7.193315	7.042661	6.94476	7.007373
CTSZ	ENSG0000	0.696179	7.35333	15.66445	1.00E-11	3.65E-09	17.17216	7.870149	7.904007	7.885045	8.739015	8.763557	8.778408	8.400167	8.498126	8.534704	5.733768	5.684664	5.793312	6.778045	6.787579	6.762242	6.601945	6.538439	6.523954
PRPF6	ENSG0000	-0.38604	7.509386	-4.11599	0.000685	0.003444	-1.31072	7.776817	7.760033	7.806013	6.913032	7.009034	6.909629	7.153477	7.148705	7.166879	7.849021	7.795121	7.846131	7.771282	7.727008	7.736805	7.680189	7.615582	7.655225
PRELID3B	ENSG0000	-0.34142	6.635985	-9.80932	1.58E-08	9.16E-07	9.684477	7.30103	7.243723	7.218878	6.648861	6.604936	6.778813	6.895745	6.914374	6.992692	6.674452	6.639255	6.681841	6.050049	6.096633	6.057707	6.287732	6.341957	6.298239
MTG2	ENSG0000	-0.05338	6.333622	-0.80705	0.430483	0.551779	-7.09263	6.573458	6.565063	6.507006	6.01507	6.046703	5.965928	6.524402	6.547971	6.532173	6.402824	6.376718	6.455315	6.285514	6.242815	6.303148	6.365436	6.296221	6.333156
PSMA7	ENSG0000	0.227011	7.997643	5.973751	1.34E-05	0.00016	2.660408	8.179662	8.16892	8.184876	8.151436	8.208504	8.164301	8.460963	8.507323	8.46537	7.743612	7.686543	7.783856	7.606034	7.560304	7.522842	7.973577	7.853084	7.843902
SLCO4A1	ENSG0000	0.285335	5.174213	3.211173	0.004984	0.016832	-2.86631	7.321157	7.385683	7.457367	5.720837	5.868245	5.775839	7.703077	7.592457	7.653265	4.232554	4.040487	4.15575	2.162115	2.127698	2.294605	4.515433	4.437531	4.422617
NTSR1	ENSG0000	0.246091	-0.55837	0.932604	0.36373	0.485575	-5.52087	3.476616	3.759847	3.931056	3.674639	3.912781	3.807755	4.068294	4.009594	3.90213	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MRGBP	ENSG0000	-0.03197	5.218528	-0.36997	0.715847	0.798873	-7.19359	5.554794	5.680694	5.573871	4.809518	5.109506	4.829562	5.310366	5.233099	5.308941	5.242946	5.167323	5.301295	5.123815	5.034983	5.071593	5.459873	5.394214	5.448204
TCFL5	ENSG0000	0.295887	4.257327	2.360477	0.030105	0.069314	-4.45821	4.219602	4.383825	4.195052	4.881362	5.162106	4.997371	4.496094	4.547856	4.396744	4.054455	3.824119	3.968865	4.024369	4.13825	3.945482	4.32395	4.247965	4.236277
DIDO1	ENSG0000	-0.11824	6.893193	-1.97394	0.06441	0.126606	-5.63114	7.232379	7.156098	7.22817	6.624643	6.815127	6.729256	7.050806	7.036292	7.041151	6.77515	6.949817	6.910849	6.758196	6.753445	6.822533	6.789724	6.814907	6.815647
GID8	ENSG0000	-0.14981	6.43872	-1.49031	0.153968	0.249541	-6.37044	6.473243	6.44742	6.337827	5.041505	5.239802	5.341983	6.065248	6.214549	6.131214	7.090675	7.129574	7.203355	6.729941	6.706935	6.814638	7.153036	7.060192	7.060886
SLC17A9	ENSG0000	-0.09696	0.468161	-0.40934	0.687261	0.776262	-5.90317	5.847324	5.873404	5.914599	5.622938	5.885412	5.840343	5.750487	5.80423	5.748211	0.106501	0.106501	0.106501	0.106501	0.190544	0.106501	0.106501	0.106501	0.106501
ARFGAP1	ENSG0000	-0.45148	6.842337	-4.71372	0.000187	0.001238	0.069527	7.488634	7.469688	7.495646	6.783082	6.822574	6.776177	6.697156	6.680716	6.644947	6.785263	6.760572	6.859158	6.756196	6.694395	6.629936	6.721734	6.688558	6.644896
EEF1A2	ENSG0000	0.227906	8.276385	1.344039	0.196123	0.300396	-6.68485	8.157444	8.187385	8.220867	8.449063	8.62052	8.439235	7.716379	7.685333	7.690693	7.932916	7.886936	8.032411	8.590302	8.556431	8.498057	8.835791	8.792998	8.771629
PTK6	ENSG0000	0.541111	2.987717	4.015481	0.000854	0.00412	-1.00375	2.296082	2.232543	2.300736	2.063099	2.078331	1.880533	1.459147	2.029503	1.445026	4.065562	4.205202	4.186581	4.534231	4.525683	4.535391	4.953468	4.847164	4.82371
GMEB2	ENSG0000	0.310325	5.082008	6.226806	8.12E-06	0.00011	3.47071	4.833667	4.715296	4.908943	5.087795	5.190008	5.114677	5.188389	5.192623	5.18386	5.041104	4.910981	5.081065	5.336859	5.401859	5.292308	5.332078	5.274377	5.177863
C20orf27	ENSG0000	-0.13521	5.855089	-2.06277	0.054317	0.110726	-5.36008	6.018285	6.104721	6.015627	5.55133	5.741991	5.581211	5.767627	5.733887	5.848765	5.992802	5.843106	6.104087	5.98094	5.834598	5.882997	6.040183	5.884837	5.927013
CDC25B	ENSG0000	-0.35199	7.616957	-2.71639	0.01441	0.038828	-4.27889	9.166108	9.169811	9.204845	8.163494	8.222644	8.163797	8.5812	8.556885	8.517681	7.085228	7.056941	7.147645	5.739109	5.564254	5.708238	7.167966	7.089475	6.991305
RNF24	ENSG0000	0.053306	5.076275	0.56456	0.579547	0.686089	-7.10198	4.172655	4.324392	4.131643	4.584077	4.529983	4.844735	4.864381	4.562048	4.687485	5.879356	5.88346	5.694882	5.720082	5.646534	5.715039	5.616106	5.655395	5.722348
ARFRP1	ENSG0000	0.258174	4.898882	4.63997	0.000219	0.00139	0.103599	4.059241	3.928996	4.034833	4.171485	4.158524	4.337497	4.321396	4.405576	4.093134	5.577652	5.629491	5.77441	5.725544	5.616464	5.654408	5.935182	5.927624	5.85153
NDUFAF5	ENSG0000	-0.10895	3.877791	-1.28154	0.216745	0.325541	-6.09173	4.206344	4.383825	4.611291	3.999198	4.13	4.079806	4.411387	4.332946	4.436456	3.901688	3.70241	3.769472	3.532792	3.695921	3.629946	3.651445	3.467897	3.679412
TRIB3	ENSG0000	0.098182	6.856865	0.620689	0.542814	0.654474	-7.23401	8.349463	8.354909	8.375985	7.096538	7.158916	7.073161	8.285851	8.310698	8.319017	5.610256	5.806264	5.748815	5.714599	5.769478	5.696257	6.062088	6.039887	5.954574
RASSF2	ENSG0000	0.210563	-1.0104	0.375412	0.711871	0.795481	-5.80421	2.165157	1.915637	2.109199	3.70135	3.878897	4.018682	2.226405	2.069791	2.127218	0.106501	0.259702	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.214669
CSNK2A1	ENSG0000	0.149812	7.565519	2.617657	0.017728	0.045724	-4.51635	7.001464	7.000566	6.986749	6.869531	6.786476	6.647975	6.937237	6.901874	6.990026	8.120018	8.105182	8.082449	8.246958	8.227972	8.239621	8.394536	8.359429	8.438161
SLC52A3	ENSG0000	0.088395	1.605029	0.43827	0.66656	0.76036	-6.55897	1.069823	1.465573	1.202741	0.742604	1.307481	1.123626	0.670238	0.253663	0.515351	3.17611	3.223257	3.312021	4.31626	4.274468	4.25179	3.447271	3.554448	3.716682
CDS2	ENSG0000	0.35608	6.317715	4.537349	0.000273	0.001658	-0.26207	6.593965	6.590513	6.59191	6.259341	6.283111	6.302701	7.104404	7.191555	7.311645	6.081653	6.072443	6.034826	5.71185	5.748835	5.730227	6.193979	6.127197	6.140906
HM13	ENSG0000	0.118331	8.102069	3.748077	0.001537	0.00658	-2.15679	7.819347	7.862303	7.812767	7.842769	7.94686	7.845236	8.016541	7.936799	7.979877	8.285913	8.227791	8.345168	8.280974	8.295359	8.298828	8.428907	8.387993	8.322417
SNPH	ENSG0000	0.326163	1.953775	1.917716	0.071637	0.137693	-4.56332	3.541402	3.323044	3.334887	3.955484	4.368438	3.828257	3.761137	3.90213	3.82044	1.028404	1.112482	1.188864	1.365252	1.357245	1.488568	0.974502	1.072305	0.999041
SEC23B	ENSG0000	0.013475	7.609363	0.381766	0.707236	0.791729	-7.47702	7.529797	7.539954	7.472374	7.438693	7.330639	7.349776	7.447395	7.521605	7.441249	7.851831	7.789233	7.85065	7.628439	7.621197	7.61981	7.924834	7.862868	7.886431
FERMT1	ENSG0000	-0.26962	6.315353	-1.97296	0.064529	0.126806	-5.6136	6.274782	6.197082	6.124589	5.072529	5.008661	4.98829	5.228555	5.088621	5.107194	7.378665	7.326728	7.383796	6.796328	6.777423	6.790692	7.534337	7.507456	7.510193
PLCB4	ENSG0000	0.136666	3.600535	0.555193	0.585799	0.691205	-6.42151	6.003031	5.998455	6.222519	5.236746	5.099733	5.2875	6.321164	6.090306	6.086983	1.490718	1.8028	1.585733	2.24051	2.169719	2.058312	2.095813	2.030948	1.626848
MYL9	ENSG0000	-0.06057	2.985055	-0.23136	0.819724	0.876587	-6.84847	3.156438	2.966631	2.621113	1.688986	1.718467	1.993763	2.480375	1.760835	2.202855	3.695491	3.478738	3.863099	5.000827	4.856747	4.932613	3.871719	3.72088	3.897964
TM9SF4	ENSG0000	0.457821	7.042931	8.207917	2.10E-07	6.29E-06	7.023874	7.05699	7.09961	7.149433	7.999636	7.881343	7.967528	7.77773	7.687762	7.687405	6.198522	6.175951	6.160501	6.97949	6.921961	6.887196	6.539939	6.390999	6.434506
CRNKL1	ENSG0000	-0.17105	5.914775	-2.72942	0.01402	0.037998	-4.12059	5.747885	5.761341	5.722344	5.444703	5.379635	5.404757	5.409787	5.412203	5.367637	6.391835	6.311391	6.317603	6.48869	6.499135	6.407608	6.298627	6.288666	6.27344
POFUT1	ENSG0000	-0.13094	7.030293	-3.31649	0.003961	0.01399	-2.98223	7.830732	7.793839	7.778677	7.48074	7.484078	7.52012	7.592963	7.55658	7.602674	6.565216	6.576824	6.592576	6.308443	6.268422	6.189309	6.557281	6.54268	6.527891
SAMHD1	ENSG0000	0.733541	5.350557	8.650739	9.97E-08	3.62E-06	7.871661	3.999005	4.006672	4.145977	4.448742	4.694855	4.473866	4.87074	4.837607	4.613192	6.140615	6.203367	6.123138	5.921501	6.018303	6.008725	6.856867	6.862333	6.898059
KIF3B	ENSG0000	0.11581	7.425114	2.461685	0.024489	0.059037	-4.78208	7.270302	7.273097	7.297223	7.734586	7.673875	7.788168	7.35062	7.264968	7.282524	7.233558	7.26923	7.265592	7.607514	7.550895	7.579846	7.449872	7.427727	7.489481
NOP56	ENSG0000	0.167019	8.49316	1.592302	0.12924	0.217971	-6.36607	8.30623	8.305049	8.25722	8.477352	8.484905	8.48837	8.487068	8.432051	8.450416	8.708885	8.71584	8.731344	8.146957	8.125941	8.188915	8.881074	8.862288	8.90248
MANBAL	ENSG0000	-0.0752	6.597733	-2.21904	0.039984	0.086999	-5.14616	6.964535	6.994859	7.006522	6.998979	7.076608	7.022908	6.892623	6.836241	6.914701	6.26628	6.222136	6.290363	6.375122	6.248953	6.278105	6.227433	6.205516	6.222526
IDH3B	ENSG0000	-0.55673	6.980346	-8.86079	7.06E-08	2.85E-06	8.112497	7.341008	7.39438	7.388962	6.392338	6.534135	6.450533	6.695365	6.750539	6.685063	7.442898	7.423665	7.443648	6.995969	6.983628	6.998008	6.959291	7.011301	6.973132
MAPRE1	ENSG0000	-0.10227	7.888962	-2.15233	0.045616	0.096395	-5.40669	8.057159	8.103691	7.954384	7.568598	7.531195	7.563566	7.906333	8.030363	7.929975	8.063311	8.042872	8.076288	7.790301	7.834185	7.834907	7.998849	7.91246	7.916774
JAG1	ENSG0000	-0.02879	7.588619	-0.24846	0.806672	0.866538	-7.54849	7.852704	7.797122	7.79866	6.36336	6.364945	6.400068	7.392103	7.248608	7.302003	8.406023	8.399944	8.391803	6.927119	6.921961	6.954124	8.751074	8.72675	8.759123
CDK5RAP1	ENSG0000	-0.46196	5.268747	-4.82893	0.000146	0.001018	0.481435	5.872723	5.805478	5.750758	4.54774	4.544465	4.427589	4.99237	5.228657	5.117003	5.75279	5.762057	5.744936	5.252352	5.1936	5.146464	5.522553	5.471879	5.425873
SNTA1	ENSG0000	-0.04977	2.883393	-0.30256	0.765796	0.835767	-6.52984	3.183753	3.298545	3.533304	3.815786	4.343809	3.926609	2.981245	3.083395	2.670735	2.338465	2.469748	2.422156	3.149671	3.088026	3.075009	2.744769	2.895091	2.528753
TTI1	ENSG0000	-0.24382	5.921934	-4.80248	0.000154	0.001066	0.348006	6.079556	6.117033	5.988045	5.565938	5.700562	5.775839	5.679816	5.650007	5.673738	6.279458	6.22097	6.236132	5.953273	5.898468	5.875427	6.13076	6.170318	6.043431
E2F1	ENSG0000	-0.27711	4.995694	-1.20946	0.242592	0.355258	-6.54223	5.479641	5.407565	5.503257	4.525489	4.860273	4.627987	5.038289	4.981823	5.057123	6.005835	5.977596	6.078631	3.288992	3.310934	3.253801	5.811323	5.935709	5.836795
RPRD1B	ENSG0000	-0.26936	6.432823	-3.3024	0.004085	0.014338	-2.99432	6.671992	6.671448	6.640807	5.753112	5.600158	5.754573	6.174663	6.221272	6.346621	6.841273	6.822612	6.898681	6.487887	6.571452	6.540866	6.73543	6.730057	6.648516
PXMP4	ENSG0000	0.024244	1.980968	0.197198	0.845948	0.895891	-6.73581	0.882475	1.118985	1.202741	1.457877	1.307481	1.367251	0.548589	0.824004	1.674905	3.659289	3.836353	3.722908	3.988472	4.200384	4.083285	3.762638	3.779553	3.840032
CHMP4B	ENSG0000	-0.2208	7.285171	-2.19328	0.042078	0.090558	-5.28812	7.265516	7.308802	7.275386	6.745073	6.800118	6.764257	6.817254	6.922647	6.899152	7.547615	7.463154	7.598545	7.810359	7.840296	7.843856	7.463006	7.520954	7.424091
CST3	ENSG0000	0.100458	7.856245	2.549353	0.020436	0.051194	-4.64397	7.7712	7.824729	7.871092	8.081986	8.207367	8.036329	7.90401	7.771827	7.951378	7.606315	7.618661	7.637421	7.964111	8.027969	7.966137	7.803872	7.788483	7.696036
ACTR5	ENSG0000	-0.11973	4.19406	-1.72806	0.101604	0.180983	-5.59865	4.172655	4.275018	4.382257	4.190466	3.99943	4.154771	4.496094	4.175703	4.380548	4.573314	4.532919	4.441093	4.097807	4.095289	4.150058	4.280646	4.232297	4.299055
WFDC2	ENSG0000	0.015747	1.014714	0.19607	0.846817	0.896611	-7.11078	0.106501	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	5.305186	5.440069	5.470561	7.114158	7.037812	7.063428	5.452087	5.570712	5.174518
AHCY	ENSG0000	-0.42764	8.159153	-9.86322	1.46E-08	8.73E-07	9.673813	8.854396	8.838396	8.821918	8.037473	8.15229	8.03798	8.260043	8.309647	8.302993	8.241915	8.158226	8.272261	7.697812	7.642337	7.588206	7.949238	7.896394	7.900164
FAM83D	ENSG0000	0.498365	5.043793	2.108499	0.049701	0.103167	-5.18247	4.941618	4.949684	4.826803	5.137544	4.917027	5.059385	5.69064	5.7054	5.623012	5.600742	5.463921	5.692199	3.730461	3.445301	3.502077	5.886907	5.793479	5.778504
DHX35	ENSG0000	-0.11231	4.590568	-1.56326	0.135917	0.22669	-5.95565	4.876148	4.765319	4.870617	4.072648	4.040879	4.186878	4.681143	4.603806	4.72003	4.948139	4.878812	4.808717	4.586193	4.653345	4.621173	4.888608	4.758787	4.780362
DNTTIP1	ENSG0000	-0.57563	6.051916	-2.67833	0.015612	0.041431	-4.2644	6.619196	6.606818	6.56416	4.584077	4.745876	4.679672	5.060712	5.013152	4.801363	6.846917	6.881357	6.876989	6.405214	6.495009	6.496156	6.957917	6.852118	6.943962
MAP1LC3A	ENSG0000	-0.7908	-1.02821	-2.29059	0.034662	0.077746	-3.62574	1.791852	1.465573	1.853768	2.359902	2.078331	1.956998	1.317361	1.549165	1.38134	0.34397	0.398185	0.16959	0.294634	0.190544	0.263213	0.183756	0.106501	0.106501
PIGU	ENSG0000	-0.31802	5.483788	-5.52774	3.34E-05	0.000325	1.960714	5.885257	5.841962	5.856953	5.396478	5.317749	5.327654	5.494585	5.458458	5.500968	5.847534	5.78433	5.841329	5.083973	4.982902	5.023089	5.63686	5.52857	5.50523
ACOT8	ENSG0000	-0.16997	4.426771	-3.17418	0.005401	0.017944	-2.92474	4.232739	4.177623	4.042515	4.40878	4.439897	4.256608	3.988671	4.030158	4.032233	4.789709	4.699561	4.793777	5.090337	5.05754	5.146464	4.6711	4.504286	4.577525
APMAP	ENSG0000	0.116147	7.898431	3.058711	0.006936	0.021764	-3.6204	7.702038	7.692886	7.698286	7.788524	7.746919	7.853386	7.784482	7.799044	7.783692	7.903428	7.889507	7.906118	8.19991	8.240657	8.185858	8.090409	7.992149	8.027515
ZNF516	ENSG0000	0.806495	4.845236	5.199781	6.62E-05	0.000546	1.472604	4.892796	4.889442	5.049003	5.913065	5.745129	5.796796	6.076295	6.058125	6.206646	3.844798	3.799336	3.824415	4.731716	4.725555	4.580783	3.917673	4.189664	4.058989
ADNP2	ENSG0000	0.089878	5.498225	1.76039	0.095829	0.172912	-5.81169	5.256622	5.25994	5.359981	5.420792	5.403664	5.428451	5.401027	5.327507	5.252213	5.700308	5.749173	5.665089	5.592876	5.605024	5.659706	5.766509	5.864653	5.847335
RBFA	ENSG0000	-0.06903	2.858864	-0.6726	0.51	0.625231	-6.45638	3.262728	3.07157	3.24453	2.605941	2.835252	2.980206	3.258446	3.214961	3.00245	2.943032	3.055486	3.210672	3.149671	2.974074	3.116699	2.946659	3.081525	2.990979
USP14	ENSG0000	-0.10729	7.545717	-2.73664	0.013807	0.037602	-4.25581	7.916681	7.947989	7.898865	7.517843	7.401961	7.472073	7.885287	7.912774	7.877563	7.614374	7.524455	7.52053	7.072438	7.123828	7.163167	7.366897	7.314481	7.438106
VAPA	ENSG0000	-0.00695	7.64643	-0.09355	0.926527	0.951444	-7.54785	7.747369	7.789451	7.714606	7.384094	7.277445	7.374382	7.99778	7.859905	7.90259	7.768042	7.773015	7.698859	7.557859	7.590589	7.582638	7.515782	7.615582	7.620618
METTL4	ENSG0000	0.110211	3.807192	1.169884	0.257754	0.372785	-6.28855	3.783815	3.494617	3.755225	3.714523	3.48743	3.485165	4.215456	4.175703	3.783962	4.172174	4.301006	4.227925	3.845296	3.68147	3.78667	4.285035	4.023613	4.197255
LPIN2	ENSG0000	-0.1466	4.925893	-1.54907	0.139282	0.230916	-6.04069	4.271448	4.268725	4.138828	4.727426	4.701332	4.78306	4.544628	4.533523	4.549426	5.6347	5.681277	5.542338	5.456648	5.524325	5.491637	5.215041	5.25383	5.271631
SMCHD1	ENSG0000	-0.00279	6.453186	-0.01883	0.985188	0.990333	-7.43715	6.094026	6.07798	6.240999	6.8048	6.703408	6.801024	5.982519	6.100066	6.157591	6.704074	6.796238	6.685219	6.317514	6.357472	6.384329	6.686498	6.734698	6.84013
MYL12A	ENSG0000	-0.03636	8.267846	-0.43489	0.668966	0.761942	-7.51041	8.027783	7.990192	7.977109	7.426738	7.503666	7.503485	7.837389	7.894665	7.85576	8.724956	8.679801	8.704634	8.801895	8.876692	8.859782	8.734922	8.72675	8.787589
CEP76	ENSG0000	-0.31724	3.646925	-5.01736	9.74E-05	0.000742	1.169269	3.774862	3.750846	3.698006	3.21869	3.31232	3.27721	3.571163	3.40015	3.513908	4.421642	4.374156	4.289577	3.526548	3.717329	3.81227	4.031767	3.974229	4.101878
CEP192	ENSG0000	-0.12117	4.548869	-2.21416	0.040373	0.087711	-4.88184	4.327631	4.418344	4.249168	4.199863	4.293254	4.202668	4.245129	4.459641	4.16108	5.101711	5.115559	4.941174	4.853955	4.8854	4.891173	4.805497	4.946531	4.934632
RNMT	ENSG0000	0.383532	6.140666	6.029806	1.20E-05	0.000148	2.92175	5.350006	5.297514	5.356903	6.007062	5.794432	6.077174	5.872748	5.848324	5.934468	6.243231	6.302599	6.226892	6.978919	7.000462	7.052729	6.467445	6.522424	6.601968
SMAD7	ENSG0000	-0.56717	3.651916	-6.68554	3.32E-06	5.43E-05	4.496918	3.325391	2.90305	2.848472	2.766336	2.57804	2.288255	2.667326	2.623806	2.588518	5.101711	5.038233	5.087205	5.036421	4.974036	5.079521	4.570409	4.538664	4.416967
LIPG	ENSG0000	-0.16736	0.694277	-0.64423	0.527793	0.641194	-6.05759	1.959273	1.591918	1.818408	1.022291	1.164793	0.984419	1.160105	1.549165	1.564539	2.243849	1.777644	1.986992	0.656707	0.784432	0.404558	2.173627	2.054898	1.942153
LAMA1	ENSG0000	0.538298	2.840086	2.470941	0.024027	0.058191	-3.42828	10.14763	10.15007	10.25186	11.17536	11.14773	11.28658	10.79856	10.66543	10.71218	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RNF125	ENSG0000	-0.09568	1.128842	-0.47337	0.64181	0.739647	-6.15228	1.990546	1.465573	2.018628	1.840866	1.556428	1.188496	1.389995	1.367163	1.50602	1.814181	1.752042	1.49011	1.776519	1.970168	1.970087	1.681967	2.078458	1.703111
ANKRD12	ENSG0000	-0.12952	5.104138	-1.8308	0.084234	0.15631	-5.64495	4.635242	4.574447	4.611291	4.681208	4.56592	4.777799	4.591583	4.849227	4.795267	5.643993	5.703153	5.605019	5.784299	5.839488	5.849389	5.424501	5.346497	5.408895
NOL4	ENSG0000	-0.2478	-1.2965	-1.51028	0.148839	0.243166	-5.1239	0.216396	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	1.752042	1.896649	1.667235	2.06228	1.826726	1.708352	1.737342	1.775544
POLI	ENSG0000	-0.15962	3.601641	-1.53604	0.142432	0.234772	-5.64928	4.381709	4.395423	4.406272	3.910405	3.99943	4.138446	4.19533	4.203129	4.189248	3.206534	3.373534	3.109727	3.288992	3.401888	3.429496	2.968656	3.204393	3.291935
MIB1	ENSG0000	-0.1428	5.776384	-2.62841	0.017334	0.044905	-4.24068	6.05942	6.048899	5.984061	6.266066	6.296007	6.438914	5.961819	5.854103	5.860491	5.393783	5.566627	5.337805	5.94861	5.752296	5.826017	5.224213	5.336761	5.32087
RBBP8	ENSG0000	-0.31743	5.31997	-5.65181	2.59E-05	0.000262	2.255779	5.948335	5.998455	6.027288	5.236746	5.089893	5.294884	5.506885	5.595854	5.54523	5.319175	5.331897	5.503074	4.74791	4.853528	4.845411	5.163525	5.203826	5.233567
RIOK3	ENSG0000	-0.00208	6.249028	-0.03175	0.97503	0.983432	-7.41189	6.148765	6.104721	6.122779	6.062202	6.089305	6.129738	6.073542	6.147896	6.036192	6.259041	6.398541	6.22318	6.673127	6.741304	6.654027	6.284447	6.351658	6.336153
CSTF2	ENSG0000	-0.14034	6.365389	-1.66493	0.113749	0.197455	-6.08731	6.98506	6.858002	6.864229	5.677771	5.779205	5.794193	6.788993	6.687205	6.7273	6.516467	6.449208	6.589695	6.013678	5.941552	6.003179	6.410327	6.436151	6.391939
VSIG1	ENSG0000	0.541674	-0.57676	2.414115	0.026993	0.063737	-3.80512	0.318509	0.499412	0.323815	0.106501	0.106501	0.2349	0.269385	0.106501	0.256032	1.964162	2.453955	1.986992	1.573426	1.528499	1.390007	2.782512	2.813204	2.760563
PSMD10	ENSG0000	-0.08397	5.95371	-1.27008	0.220704	0.330395	-6.54878	6.411038	6.472276	6.330002	5.935739	5.949389	5.958972	6.187456	6.265306	6.315012	5.800109	5.736174	5.789551	5.737758	5.766058	5.684176	5.86068	5.619709	5.785098
ATG4A	ENSG0000	0.570579	3.760073	6.870504	2.34E-06	4.22E-05	4.962575	3.710582	3.638208	3.466347	4.281793	4.293254	4.241401	4.348988	4.511753	4.216877	3.446357	3.339557	3.432666	3.825085	3.793216	3.898452	3.762638	3.667508	3.779675
STS	ENSG0000	-0.09564	5.369578	-0.54974	0.589457	0.694026	-7.19334	3.975752	4.043996	3.773804	4.707799	4.836932	4.71863	3.539581	3.946081	3.90213	6.935101	7.011808	6.936015	6.201776	6.23046	6.286121	6.828581	6.869103	6.848549
TBL1X	ENSG0000	-0.15179	5.440709	-0.84596	0.409008	0.530895	-6.79556	6.727572	6.688047	6.654657	6.986816	6.942245	6.922796	6.510216	6.641157	6.580828	4.641707	4.529155	4.687318	3.773284	3.644697	3.629946	4.293774	4.477953	4.499478
PGRMC1	ENSG0000	0.354202	7.613148	11.00567	2.77E-09	2.35E-07	11.4071	7.003381	7.079978	6.97676	7.434719	7.418763	7.386529	7.332305	7.50609	7.335997	7.744044	7.742869	7.746193	8.062346	8.08398	8.082151	8.072746	8.07537	8.094084
POLA1	ENSG0000	-0.1419	4.824749	-1.18782	0.250795	0.365169	-6.50592	4.749336	4.80064	4.866295	4.448742	4.58706	4.668345	4.857993	4.855002	4.770621	5.60265	5.491258	5.464284	4.211164	4.255082	4.411058	5.275849	5.209172	5.290293
MID1	ENSG0000	0.370966	7.26828	3.641188	0.001944	0.007919	-2.26738	6.90012	6.998666	6.958604	8.830713	8.823051	8.870555	7.667907	7.540543	7.64142	6.313634	6.336371	6.394718	7.538982	7.455919	7.581243	6.445064	6.360093	6.374554
NKAP	ENSG0000	-0.34098	5.147954	-3.90538	0.001088	0.005002	-1.4321	6.189761	6.022963	6.135406	5.626427	5.550798	5.513197	5.539183	5.606164	5.556087	4.634266	4.599033	4.81613	4.624704	4.657043	4.584502	4.623367	4.680124	4.515429
NXT2	ENSG0000	-0.15512	4.656214	-2.00906	0.060233	0.120256	-5.17069	5.722499	5.779158	5.717553	5.156973	5.14795	5.199746	5.36994	5.510612	5.470686	4.13047	4.283241	4.194187	3.449427	3.544454	3.644271	4.361843	4.156841	4.190648
MCTS2P	ENSG0000	0.042412	1.281861	0.327961	0.746837	0.822103	-6.27484	1.861169	1.631689	1.744977	1.519216	1.556428	1.714252	1.816207	1.85606	2.005764	2.224158	2.074736	1.986992	1.446877	1.528499	1.423614	2.173627	1.956613	1.910335
ALG13	ENSG0000	0.056803	5.493662	0.998547	0.331639	0.451797	-6.73227	5.985675	6.004148	5.955863	6.1997	6.166236	6.204178	6.031589	6.236837	6.174129	4.905504	5.051412	4.95467	4.957386	4.997558	5.009321	4.783949	4.99066	4.918728
PRPS2	ENSG0000	0.28894	6.054485	6.181037	8.89E-06	0.000118	3.227558	5.443372	5.592753	5.522611	5.833796	5.751385	5.722075	5.801308	5.71813	5.690258	6.324078	6.278143	6.410311	6.406065	6.455213	6.450015	6.655474	6.649766	6.69361
MOSPD1	ENSG0000	-0.43837	4.883209	-5.81071	1.87E-05	0.000206	2.72299	6.035255	6.05805	6.027288	5.633379	5.407631	5.605169	5.498697	5.45466	5.609178	4.217694	4.335892	4.402219	4.046359	4.24529	4.237689	4.047354	3.923096	4.150354
AMMECR1	ENSG0000	-0.16191	6.175772	-2.27437	0.035808	0.079614	-5.02598	6.463524	6.556048	6.52494	5.960829	5.839171	6.085714	5.997126	6.182756	6.106808	6.300766	6.346029	6.281465	5.953273	6.005308	5.846294	6.327639	6.32359	6.435904
WDR13	ENSG0000	0.206175	5.779766	2.835832	0.011188	0.031781	-3.82224	5.689529	5.772502	5.799175	6.268301	6.59801	6.400068	6.195078	5.986272	6.128792	5.200749	5.294698	5.426038	5.93453	5.871668	5.873908	5.455985	5.453977	5.191165
SUV39H1	ENSG0000	0.151599	4.556174	1.388208	0.182515	0.284261	-6.22448	4.640181	4.383825	4.526184	4.082842	4.1957	4.113606	4.681143	4.728586	4.66091	5.183009	5.123069	5.212332	3.762697	4.011117	4.01878	5.325701	5.258994	5.290293
SRPX	ENSG0000	-0.5377	4.290105	-2.86679	0.010474	0.030163	-3.03511	7.910563	7.913617	7.889844	8.1808	8.090098	8.118737	7.26992	7.372556	7.314845	0.982259	1.152172	1.333627	2.129525	2.084417	2.121111	1.13872	1.289746	1.416439
XIAP	ENSG0000	-0.0724	6.457909	-1.3379	0.198076	0.302606	-6.54348	6.41968	6.332962	6.304671	6.460381	6.342329	6.311829	6.41335	6.510042	6.423728	6.664441	6.757358	6.665519	6.423813	6.499135	6.550405	6.46067	6.44524	6.561569
STAG2	ENSG0000	0.243833	6.86587	2.634044	0.017131	0.044476	-4.40513	6.477388	6.446027	6.418267	6.9497	6.81811	6.923987	7.086758	7.060236	7.051418	7.026754	7.040512	6.966869	6.842932	6.956129	6.945474	6.904002	6.932692	6.970241
ATP11C	ENSG0000	0.47503	5.060551	6.007918	1.26E-05	0.000152	3.065557	4.859306	4.691972	4.772407	5.72735	5.677752	5.799394	5.32896	5.447033	5.482116	4.634266	4.748933	4.557708	5.049546	5.15751	5.183718	4.939614	4.884398	4.969789
ABCD1	ENSG0000	-0.32856	4.820818	-3.94866	0.000989	0.004637	-1.21911	5.970071	5.918315	6.177877	5.910205	5.941203	5.711078	5.83747	5.510612	5.640119	3.93235	4.152359	4.104202	3.993008	3.890658	3.805912	3.962207	3.793856	3.68882
CCDC22	ENSG0000	-0.31291	5.135535	-4.54688	0.000268	0.001629	-0.07749	5.588399	5.504468	5.581801	5.020445	4.960875	5.019826	5.120637	5.013152	5.102264	5.24783	5.21026	5.315313	5.148423	5.000472	5.103047	5.165907	5.157568	4.938581
SYP	ENSG0000	0.158973	0.139628	0.618307	0.544347	0.655712	-5.76773	1.286899	1.277811	1.256574	2.291228	1.864131	2.374422	1.816207	1.760835	1.0941	0.669294	0.695454	0.683459	0.982856	0.671977	0.957066	0.63264	0.637375	0.497646
PLP2	ENSG0000	0.802225	6.821981	17.10068	2.36E-12	1.40E-09	18.61695	7.210134	7.228403	7.236566	7.272735	7.278529	7.312062	7.924787	7.846922	7.90825	5.745902	5.88346	5.824276	6.069508	6.045359	6.010109	6.727389	6.807877	6.732796
PLS3	ENSG0000	-0.02455	7.982526	-0.28356	0.78008	0.846006	-7.52852	7.813894	7.830081	7.763069	7.925814	7.851807	7.839566	7.748676	7.736286	7.683285	7.918822	7.948461	7.927949	8.642125	8.622458	8.663005	7.929397	7.956435	7.992329
NAA10	ENSG0000	-0.06525	5.209641	-1.27162	0.220171	0.329712	-6.42121	5.541658	5.528369	5.625931	5.363409	5.355198	5.30589	5.374422	5.495903	5.463015	5.170202	5.046155	5.047868	4.943391	5.020703	4.97856	5.02344	4.968764	5.246367
RENBP	ENSG0000	-0.33295	1.324156	-1.55046	0.138948	0.23047	-5.25079	1.755904	1.061904	1.62731	1.256461	1.612488	1.123626	0.782422	0.509405	1.171446	2.18395	2.500824	2.546206	3.213258	3.088026	3.137101	2.479639	2.354144	2.277588
ELF4	ENSG0000	-0.01719	5.397607	-0.15919	0.875343	0.916459	-7.25076	6.487014	6.470907	6.470455	5.218368	5.399687	5.359696	6.364618	6.109759	6.140861	4.936085	4.796672	4.992239	4.561973	4.541772	4.444184	5.198848	5.248648	5.119922

SMARCA1	ENSG0000	0.304815	4.419489	1.757883	0.096266	0.173514	-5.47917	5.0569	5.198371	5.217952	5.041505	4.971631	5.195807	5.63569	5.666521	5.50844	3.437834	3.554746	3.400153	4.041988	4.274468	4.20424	3.508614	3.579432	3.509302
ASB9	ENSG0000	-0.29999	3.39193	-2.6175	0.017734	0.045724	-3.68919	4.740165	4.701347	4.626705	4.142539	4.1957	4.315882	4.31208	4.467202	4.527529	2.763691	2.817048	2.671369	2.717023	2.850343	2.858649	2.494877	2.37332	2.464474
RBBP7	ENSG0000	0.52633	7.80443	4.126642	0.000669	0.003382	-1.276	7.695529	7.764512	7.727173	8.676441	8.521968	8.673258	8.695321	8.685207	8.71182	7.221194	7.25335	7.249713	7.270395	7.320254	7.270951	7.306648	7.259502	7.307548
KCND1	ENSG0000	0.016873	1.183975	0.097931	0.923102	0.949364	-6.17091	2.548084	2.693541	2.469799	2.143217	2.299368	2.164723	2.637802	2.848856	2.846105	1.239286	1.152172	1.277453	1.088368	0.938214	1.209118	0.884806	0.975239	1.222783
SLC25A14	ENSG0000	0.102699	2.87523	0.780693	0.445429	0.566147	-6.27042	3.792713	3.786518	3.845818	3.591402	3.410458	3.858473	3.941119	4.128801	3.913431	2.204194	2.500824	2.396013	2.28558	2.50126	2.497588	2.055273	2.535313	2.442395
FMR1	ENSG0000	0.464257	5.892382	7.231568	1.19E-06	2.46E-05	5.314095	5.340935	5.120143	5.309937	5.860706	5.845033	6.027064	5.907184	5.827914	5.872122	5.99716	5.966507	5.92141	6.217367	6.205427	6.18319	6.267911	6.312456	6.342128
PIM2	ENSG0000	0.039851	4.285842	0.264647	0.794377	0.857015	-6.9787	4.393455	4.440906	4.470324	5.137544	4.789085	4.864722	4.445869	4.569092	4.490278	4.271447	4.186209	4.352105	3.708564	3.772912	3.843644	4.254026	4.298997	4.242679
SCML2	ENSG0000	-0.43786	2.550539	-2.51597	0.021898	0.054018	-3.61584	5.578142	5.471972	5.497679	4.152252	4.177232	4.34463	5.178171	5.164994	4.91817	1.676063	1.699433	1.631268	0.656707	0.784432	0.404558	1.512637	1.329561	1.322858
SLC35A2	ENSG0000	-0.05578	6.654383	-1.19481	0.248123	0.362017	-6.74721	6.371495	6.37604	6.437331	6.252583	6.276619	6.315464	6.269158	6.147896	6.133632	6.958379	6.965218	7.052523	7.131234	7.102292	7.110617	7.023744	7.076371	7.052712
PQBP1	ENSG0000	-0.15989	6.095734	-2.33545	0.031668	0.072295	-4.9096	6.155679	6.097639	6.222519	5.558653	5.735694	5.525804	5.928678	5.848324	5.953754	6.410468	6.305902	6.498956	6.365533	6.270837	6.276956	6.311593	6.286139	6.367248
PCSK1N	ENSG0000	0.874508	3.531243	4.074685	0.00075	0.003709	-0.87902	1.235614	1.508929	1.921989	3.533117	3.772191	3.335661	1.966276	1.901414	2.047395	3.463254	4.357275	4.654613	6.189971	6.423001	6.318861	5.434414	5.211838	4.416967
EMD	ENSG0000	-0.0331	6.338939	-0.86681	0.39779	0.519457	-7.00776	6.915477	6.896261	6.893195	6.735413	6.749451	6.682166	6.778885	6.886449	6.931474	5.905864	5.870134	5.968739	5.854531	5.845981	5.870866	5.869475	5.864653	5.930982
TAZ	ENSG0000	0.181687	4.500933	2.443794	0.025404	0.06077	-4.32281	5.2241	4.992316	5.217952	5.171375	5.279302	5.143594	5.405414	5.306587	5.229787	3.744695	3.842432	3.712353	4.131114	3.940055	4.119623	3.956715	3.870083	4.022248
PGK1	ENSG0000	0.325462	9.694618	5.771397	2.03E-05	0.000219	2.139894	9.901735	9.93906	9.831053	9.930042	9.912082	9.908395	10.1555	10.18352	10.1568	9.378762	9.424735	9.309135	9.077971	9.089007	9.10815	9.724741	9.764829	9.74117
MAGT1	ENSG0000	0.521052	7.052859	5.635211	2.68E-05	0.000269	2.031409	6.841296	6.840077	6.727949	7.568598	7.415812	7.401999	7.610168	7.69422	7.691514	6.70585	6.733845	6.695973	6.854195	6.843005	6.847509	6.853916	6.87416	6.959593
SMS	ENSG0000	-0.05863	7.574783	-0.6531	0.522194	0.636237	-7.31075	8.43649	8.469421	8.383944	7.635052	7.562662	7.596059	8.078976	8.193658	8.154338	7.06669	7.062159	7.16565	6.947128	6.950113	6.950527	7.265592	7.256278	7.321981
PHEX	ENSG0000	-0.14691	1.322867	-0.57571	0.572152	0.680628	-6.03009	2.483604	2.71221	2.492412	2.840308	2.926537	2.741673	1.966276	2.420731	2.127218	1.315703	1.435603	1.027938	1.088368	0.986036	1.17005	1.880661	1.206659	1.273688
UBL4A	ENSG0000	0.440026	6.556771	4.834786	0.000144	0.001008	0.369333	6.508778	6.524706	6.628099	6.969064	7.129199	6.96391	7.202197	7.204053	7.127389	6.284221	6.117	6.247143	6.036929	6.003857	6.004567	6.545438	6.427003	6.394816
CD99L2	ENSG0000	0.311205	6.257435	2.173591	0.043746	0.093376	-5.06188	7.275072	7.287174	7.273755	8.357562	8.428927	8.401681	7.680631	7.71342	7.710264	4.728129	4.799799	4.681918	4.863895	4.767207	4.826692	4.882828	4.798342	4.72199
EEA1	ENSG0000	0.227422	4.356836	1.778846	0.092663	0.168255	-5.55394	3.983545	3.855322	3.81026	4.263984	4.416469	4.668345	4.651903	4.547856	4.687485	4.68196	4.686104	4.595532	4.397206	4.513497	4.385705	4.537676	4.482376	4.562249
RP2	ENSG0000	-0.35019	4.052861	-5.10476	8.09E-05	0.000643	1.38793	4.548594	4.663476	4.686762	4.694564	4.635214	4.685302	4.330652	4.397684	4.189248	3.968304	3.741965	3.728156	4.002038	4.028349	3.87435	3.439417	3.579432	3.410407
JADE3	ENSG0000	-0.29228	5.014574	-4.13027	0.000664	0.003364	-0.97025	5.420591	5.538865	5.423134	4.733909	4.836932	4.942007	4.968851	5.002785	4.91817	5.14686	5.137972	5.143288	4.873768	5.012067	4.903135	4.999601	4.987552	5.098903
CDK16	ENSG0000	-0.05256	7.538918	-1.42843	0.170796	0.270364	-6.51362	7.742785	7.767304	7.849359	7.819335	7.804458	7.770399	7.701295	7.74253	7.731172	7.459309	7.25278	7.358212	7.31953	7.254046	7.336374	7.302324	7.289463	7.345965
USP11	ENSG0000	0.019453	6.362314	0.428016	0.673867	0.765138	-7.33426	5.691909	5.790183	5.812715	6.318771	6.254768	6.267477	5.964794	5.871301	5.845819	6.746966	6.656607	6.717904	6.992575	6.991704	6.983293	6.616821	6.728196	6.609418
HTATSF1	ENSG0000	-0.13888	6.653448	-2.98813	0.008075	0.024483	-3.65344	6.882515	6.902371	6.881464	6.892894	6.815127	6.890259	6.734246	6.85221	6.678454	6.573021	6.654881	6.639292	6.317514	6.413195	6.464215	6.441136	6.53525	6.462202
TIMP1	ENSG0000	0.691419	8.482867	6.060204	1.13E-05	0.000141	2.876879	10.30672	10.28421	10.25423	10.36619	10.31163	10.34964	11.33047	11.18872	11.34793	6.453384	6.499118	6.443397	5.952109	5.927843	5.990621	6.663082	6.649766	6.552579
KLHL4	ENSG0000	-0.2661	0.82775	-0.51954	0.609899	0.711713	-5.82956	4.232739	4.262405	4.16017	5.547654	5.257491	5.380668	3.879385	4.109604	3.979442	0.54782	0.330605	0.288049	0.234608	0.106501	0.335616	0.106501	0.2791	0.497646
GABRE	ENSG0000	-0.08249	3.257669	-0.35958	0.723472	0.803972	-6.7744	2.392887	1.849715	2.514675	3.376187	3.378481	3.608819	2.480375	3.26787	3.181386	4.19764	4.399113	3.848714	4.055062	3.839509	4.072733	3.43152	3.659719	4.143528
PCDH11X	ENSG0000	1.316068	-1.33402	3.730518	0.001598	0.006775	-1.01751	1.959273	1.915637	2.109199	1.791994	1.817192	1.757653	3.094248	3.043491	3.162566	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.106501	0.106501	0.315289
FGD1	ENSG0000	-0.32588	2.615521	-1.25689	0.225333	0.335362	-5.59015	5.104131	5.168263	5.214556	4.851861	5.07001	4.740428	4.716879	4.576102	4.72003	1.158593	0.986408	1.305813	0.869014	0.7293	1.247156	1.734264	1.707432	1.626848
PIN4	ENSG0000	-0.21911	4.731042	-2.91424	0.009463	0.027843	-3.49881	5.266237	5.281977	5.148462	4.640378	4.854473	5.155812	4.883375	4.877874	4.945952	4.58494	4.623947	4.69538	4.612964	4.557684	4.435973	4.555953	4.460128	4.587619
PORCN	ENSG0000	-0.25833	5.274608	-4.79675	0.000156	0.001077	0.385999	4.473109	4.639292	4.641955	4.540361	4.1957	4.162865	4.393833	4.341199	4.396744	6.337886	6.282621	6.376449	6.279029	6.20795	6.294092	6.07988	6.084202	6.039759
MAGED2	ENSG0000	0.128159	7.36862	3.009512	0.007712	0.023618	-3.64592	7.57111	7.562636	7.482999	8.32304	8.340404	8.254171	7.72956	7.751846	7.691514	6.628378	6.533337	6.61116	7.480016	7.483773	7.3942	6.635848	6.701892	6.636412
RBM3	ENSG0000	0.2526	7.777609	3.927719	0.001036	0.004812	-1.69412	8.514201	8.546543	8.530786	8.680642	8.744084	8.799328	8.777575	8.884002	8.877507	6.604777	6.668631	6.660037	7.053018	7.152271	7.190877	6.738634	6.900009	6.82421
SRPX2	ENSG0000	-0.29239	6.002364	-3.98033	0.000923	0.004382	-1.4636	6.429698	6.274494	6.333137	5.772136	5.582723	5.809741	5.760796	5.795247	5.828013	6.356094	6.346029	6.32455	5.678445	5.674166	5.743594	6.302962	6.230705	6.224144
SYTL4	ENSG0000	-0.74089	1.652185	-2.80962	0.011829	0.033245	-2.91396	4.179456	4.204245	4.138828	3.840029	3.48743	3.700636	3.115825	3.491964	3.306673	0.781331	1.112482	0.54756	1.054048	1.077171	1.17005	0.686723	1.024588	0.805046
CENPI	ENSG0000	0.476151	2.547945	1.680967	0.110551	0.1932	-5.19069	3.541402	3.657602	3.443319	3.51817	3.560502	3.321269	4.19533	4.138304	4.339245	2.693825	2.604605	2.546206	1.018891	0.671977	1.247156	2.597261	2.48331	2.464474
PBDC1	ENSG0000	-0.08359	5.435147	-1.72524	0.10212	0.181744	-5.83257	5.611213	5.678322	5.607923	5.432797	5.529116	5.663381	5.559008	5.5324	5.408147	5.393783	5.340512	5.421185	5.356354	5.50599	5.367623	5.329955	5.408227	5.302602
GLA	ENSG0000	0.292215	5.68989	2.82534	0.011441	0.032344	-3.74967	7.1149	7.1058	7.126124	6.932892	6.803133	6.891478	7.612067	7.574192	7.616569	4.607916	4.588222	4.595532	3.640803	3.884362	3.693316	4.434767	4.477953	4.562249
ARMCX3	ENSG0000	0.791729	6.312579	8.698099	9.22E-08	3.45E-06	7.981082	6.658669	6.711435	6.604939	8.055702	8.046885	8.041825	7.635597	7.69422	7.732767	4.789709	4.84591	4.69538	5.667135	5.685073	5.766693	5.095182	5.123998	5.243178
BEX4	ENSG0000	-0.73539	-1.56322	-2.11969	0.048627	0.101465	-3.92287	2.725848	2.470453	2.492412	2.103714	2.155834	2.258349	1.70672	1.658879	1.564539	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
NALCN	ENSG0000	-0.91953	2.475153	-2.94943	0.008776	0.02621	-2.82129	4.467563	4.543506	4.400306	3.255206	3.683372	3.678224	2.576877	3.196885	3.406029	1.787595	1.616737	1.696985	1.99126	2.127698	1.876113	2.368215	1.707432	1.775544
NDFIP2	ENSG0000	-0.12722	5.645676	-1.17242	0.256761	0.371576	-6.63827	5.682365	5.610278	5.452263	5.232173	5.226392	5.341983	5.729647	5.824975	5.722741	5.850748	5.918406	5.945268	5.928622	6.026902	5.949395	5.596816	5.605589	5.515842
FNDC3A	ENSG0000	1.58328	6.698896	9.478718	2.63E-08	1.35E-06	9.188272	5.838758	5.661609	5.75544	7.647124	7.537544	7.770399	7.913281	7.981702	7.925796	5.761354	5.798468	5.648575	6.532195	6.632825	6.54755	6.668132	6.650749	6.611893
CDADC1	ENSG0000	0.065383	2.64876	0.524102	0.606791	0.709043	-6.41418	3.373632	3.417081	3.104764	3.619685	2.926537	3.349911	3.647218	3.446787	3.453254	2.444376	2.618839	2.485514	2.28558	2.250257	2.34809	2.448672	2.33471	2.374055
CAB39L	ENSG0000	0.025319	3.207289	0.242966	0.81086	0.869987	-6.75581	2.744313	2.950996	2.794903	3.472378	3.207016	3.152687	3.094248	3.196885	3.406029	3.512789	3.562131	3.641797	3.778549	3.981932	3.862146	3.31616	3.467897	3.421736
KLF5	ENSG0000	-0.15776	5.534339	-3.5322	0.00247	0.009594	-2.39764	5.067938	4.909804	4.942176	4.778495	4.70778	4.965334	4.832157	4.860754	4.973208	6.33674	6.347099	6.309747	6.252789	6.246501	6.284978	6.117284	6.117279	6.204601
STK24	ENSG0000	0.23116	7.083972	5.16147	7.18E-05	0.000584	0.993729	6.630407	6.64861	6.562826	6.394386	6.362903	6.437247	6.725501	6.820094	6.740051	7.477615	7.475918	7.485316	7.510789	7.618355	7.520903	7.729734	7.782219	7.798452
ACP5	ENSG0000	0.178978	1.044641	1.43269	0.169591	0.268864	-5.86748	0.106501	0.215206	0.219246	0.742604	0.389229	0.563119	0.269385	0.106501	0.256032	4.35077	4.357275	4.428251	5.225618	5.253444	5.153992	4.609434	4.576385	4.38838
DNAJC3	ENSG0000	0.491401	6.246944	3.542993	0.002412	0.009421	-2.42027	6.014486	6.000355	5.929176	6.829226	6.752573	6.813931	6.691778	6.703301	6.661798	6.007276	6.101878	6.047478	5.772474	5.731404	5.778105	6.365436	6.226757	6.381823
UGGT2	ENSG0000	0.228082	5.025335	2.582168	0.019089	0.048483	-4.15192	5.583279	5.612764	5.536278	6.180841	6.069414	6.235215	5.885366	5.839612	5.875015	4.187508	4.265255	4.268117	4.230502	4.274468	4.297823	4.430811	4.2788	4.353311
ARHGEF7	ENSG0000	-0.07521	5.716144	-1.574	0.133414	0.223318	-6.11347	5.797357	5.998455	5.891391	5.71757	5.575689	5.727543	5.875913	5.879824	5.803925	5.763061	5.732906	5.730625	5.675625	5.67599	5.629423	5.6708	5.692129	5.560088
FGF9	ENSG0000	-0.25166	-0.41997	-1.37324	0.187039	0.289502	-5.62679	0.318509	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.693825	2.969234	3.125724	3.746669	3.793216	3.886451	2.719047	2.770449	2.81313
PARP4	ENSG0000	0.043695	6.947521	0.701204	0.492407	0.609804	-7.2221	7.266314	7.210458	7.220572	7.187915	7.043854	7.071012	7.463262	7.397502	7.402674	6.682591	6.744433	6.654534	6.718345	6.706043	6.712977	6.586914	6.550072	6.658128
SUPT20H	ENSG0000	0.163798	5.793244	1.699432	0.106965	0.188459	-5.96905	5.440544	5.369848	5.341417	5.232173	4.86605	5.272617	5.605504	5.58894	5.346947	6.108753	6.19032	6.033767	6.507836	6.531724	6.455103	6.233123	6.324822	6.339143
MRPS31	ENSG0000	-0.3172	4.382307	-3.30318	0.004078	0.014324	-2.66954	4.846543	4.644161	4.840087	3.966538	3.722109	3.75519	4.215456	4.55497	4.339245	4.786356	4.655361	4.892917	4.441025	4.344933	4.519937	4.570409	4.482376	4.597643
SLC25A15	ENSG0000	-0.0724	4.261718	-0.71291	0.485312	0.603746	-6.74472	4.837972	5.073976	4.835673	4.333937	4.408574	4.48682	4.544628	4.877874	4.758139	3.907872	3.896014	4.054926	4.135224	3.981932	3.968435	4.098126	3.896833	4.029672
KPNA3	ENSG0000	0.231656	6.121411	5.54129	3.25E-05	0.000317	1.911718	6.218111	6.319327	6.200371	6.077576	5.962929	6.070736	6.575907	6.572714	6.57728	6.051244	6.04635	6.049576	5.729627	5.727893	5.832286	6.218282	6.139849	6.204601
RGCC	ENSG0000	-0.66325	3.090344	-6.34244	6.46E-06	9.14E-05	4.043035	4.117062	3.944869	4.188143	3.591402	3.867423	3.733615	3.617275	3.736817	3.543305	3.196464	3.116952	3.018425	2.842976	2.686334	2.647333	2.192442	2.500854	2.374055
VWA8	ENSG0000	0.320392	5.044985	4.691161	0.000196	0.001281	0.29378	5.210884	5.381559	5.207739	5.547654	5.627623	5.683212	5.740105	5.819078	5.640119	4.604112	4.599033	4.503642	4.701546	4.66441	4.617548	4.793224	4.580516	4.735671
DGKH	ENSG0000	-0.49174	4.005712	-4.60223	0.000237	0.001484	0.170346	3.373632	3.557914	3.500214	3.456785	3.546181	3.472196	3.004565	3.214961	3.357206	5.360348	5.393221	5.131452	4.376523	4.420842	4.543056	4.677792	4.780497	4.784756
KATNAL1	ENSG0000	0.22093	2.685452	2.180352	0.043167	0.092427	-4.31539	3.397161	3.347134	3.443319	4.281793	4.167908	4.170914	3.555458	3.724251	3.572114	1.964162	1.967585	1.839597	2.399306	2.48471	2.481722	1.85727	1.981819	2.350536
INTS6	ENSG0000	-0.06388	6.422598	-0.96185	0.349244	0.470426	-6.92253	7.529131	7.496188	7.471663	6.814008	6.639075	6.749552	7.338053	7.495037	7.352698	5.808398	5.840072	5.74623	5.414998	5.544428	5.384788	5.803695	5.750126	5.791663
DHRS12	ENSG0000	-0.21596	2.441912	-0.67541	0.508253	0.623953	-6.32866	3.041689	3.027527	3.013906	2.063099	2.078331	2.429135	2.412257	2.451551	2.34318	2.204194	2.590228	2.460504	3.825085	3.652127	3.693316	2.625227	2.48331	2.374055
TSC22D1	ENSG0000	0.259956	8.642294	3.44815	0.00297	0.011153	-2.82062	9.101556	9.09354	9.096931	9.140795	9.206445	9.201429	9.641164	9.619652	9.622291	8.094826	8.149673	8.10128	7.781479	7.766909	7.777581	8.093853	8.069871	8.077168
CLN5	ENSG0000	0.317502	4.386682	4.162023	0.000619	0.003177	-0.71151	4.02189	4.197635	4.201929	5.350809	4.966263	5.167927	4.454362	4.62424	4.640652	4.043261	3.848485	3.964424	4.758606	4.777434	4.860827	4.161567	4.173346	4.058989
MSLN	ENSG0000	0.078162	2.248327	0.441272	0.664426	0.758591	-6.11575	4.664623	4.830853	4.904734	5.743505	5.87399	5.643273	4.779054	4.900389	4.831463	0.483018	0.640699	0.499259	1.27873	1.077171	1.390007	0.686723	0.759002	0.580851
MGRN1	ENSG0000	-0.20694	6.523758	-3.16295	0.005534	0.018259	-3.27161	6.701822	6.801367	6.816862	6.772099	6.660839	6.524637	6.402418	6.28255	6.462714	6.371839	6.438213	6.537585	6.60956	6.564578	6.558936	6.456784	6.478826	6.278122
ZNF629	ENSG0000	-0.26076	5.379179	-4.88486	0.000129	0.000926	0.600399	5.064268	5.10962	5.335175	5.062262	5.054916	5.093661	4.792514	4.843429	4.956916	5.89967	5.8294	5.846165	5.93453	5.826412	5.950836	5.629975	5.746454	5.510546
TRADD	ENSG0000	-0.0661	4.348186	-0.73652	0.471185	0.590921	-6.71615	4.339825	4.47956	4.400306	4.999073	5.14795	5.114677	4.13321	3.913244	4.252911	3.93235	4.056262	4.132188	4.761267	4.739573	4.732626	4.293774	4.211138	3.961444
HSF4	ENSG0000	-0.10462	3.609357	-0.81507	0.426	0.547857	-6.39556	4.006674	3.829904	4.275483	4.971905	4.871804	4.839695	4.057185	4.080322	4.235006	3.058725	3.21391	2.86487	3.557503	3.599295	3.754018	2.384669	2.895091	2.896697
CORO1A	ENSG0000	0.30086	1.753283	2.731966	0.013944	0.037845	-3.88201	0.216396	0.316291	0.512639	0.52061	0.512209	0.3528	0.106501	0.253663	0.515351	5.651384	5.523772	5.720126	5.370368	5.345687	5.262439	6.038884	6.008036	5.796022
MAPK3	ENSG0000	0.182654	5.501897	2.68267	0.01547	0.041132	-4.14511	4.984965	4.905754	4.98267	5.156973	5.248674	5.238557	5.333571	5.335791	5.283036	5.687782	5.752405	5.725385	6.288285	6.156634	6.162191	5.783672	5.771966	5.845233
GDPD3	ENSG0000	-0.02239	0.839593	-0.12608	0.901107	0.934504	-6.78799	0.216396	0.582935	0.106501	0.742604	0.512209	0.3528	0.269385	0.106501	0.106501	4.156676	3.986619	4.314216	4.610014	4.729072	4.527685	4.267397	4.128907	4.163911
ELMO3	ENSG0000	0.279929	3.6526	1.787945	0.091135	0.165946	-5.5515	2.884092	2.636038	2.758051	2.325974	2.193078	2.098749	2.637802	2.357042	2.82232	4.615493	4.672521	4.566525	5.74987	5.771185	5.779728	5.02081	4.92395	4.958165
PHKB	ENSG0000	0.137147	6.447843	2.173574	0.043748	0.093376	-5.22292	6.384797	6.297857	6.255944	6.70933	6.698559	6.705903	6.679152	6.723961	6.639853	6.305458	6.357747	6.388101	6.474163	6.479431	6.42119	6.306205	6.214848	6.327144
LYRM1	ENSG0000	0.064349	4.353015	0.982311	0.33935	0.460413	-6.53843	4.876148	4.99613	4.840087	4.416862	4.7142	4.685302	5.071794	5.023446	4.934903	4.03198	4.147458	4.096105	3.918659	3.940055	3.693316	4.175819	4.05364	4.087723
NUTF2	ENSG0000	-0.04495	7.202268	-0.63565	0.533242	0.64594	-7.27899	7.787429	7.800943	7.766552	7.564057	7.58385	7.584807	7.773494	7.646734	7.734361	6.73571	6.578646	6.647626	6.931852	6.924264	6.873582	6.68068	6.608892	6.610656
NUP93	ENSG0000	-0.2613	6.437734	-2.66444	0.016074	0.042371	-4.29397	6.805475	6.792622	6.74923	6.728936	6.672424	6.567948	6.369117	6.367829	6.346621	6.580784	6.461107	6.60618	6.005843	5.884342	5.956588	6.417342	6.387466	6.493409
CENPT	ENSG0000	0.007713	4.95578	0.095062	0.925347	0.950712	-7.16116	5.067938	5.127117	5.130553	5.209091	5.226392	5.195807	5.173034	5.117737	5.021009	4.685565	4.702905	4.623968	5.273015	5.15751	5.243746	4.555953	4.729324	4.827974
NFAT5	ENSG0000	-0.05701	5.104673	-0.61731	0.54499	0.656347	-7.05761	4.511345	4.50655	4.835673	4.740363	4.770725	5.046319	4.799197	4.922558	4.849226	5.666054	5.846135	5.45006	5.436806	5.512128	5.507395	5.365622	5.384796	5.531613
LONP2	ENSG0000	-0.14199	6.741839	-2.28972	0.034722	0.07787	-5.03878	7.012932	7.070966	6.994691	7.178439	7.106197	7.16165	6.865814	6.752088	6.774546	6.626504	6.657469	6.457686	6.47983	6.427338	6.485255	6.537182	6.468832	6.55
N4BP1	ENSG0000	-0.08619	6.121685	-1.34781	0.19493	0.299083	-6.49824	5.694285	5.687786	5.715152	5.684481	5.797458	5.663381	5.356409	5.443204	5.321722	6.471243	6.532397	6.559833	6.971468	6.962866	6.995217	6.586914	6.552177	6.606939
ARL2BP	ENSG0000	0.530522	6.136143	6.101032	1.04E-05	0.000132	3.140852	7.028082	6.940477	6.898496	7.139902	7.001181	7.118604	7.332305	7.352283	7.248347	4.623032	4.796672	4.737631	5.409919	5.462279	5.389047	5.454038	5.524288	5.475641
PLLP	ENSG0000	0.012596	2.374455	0.114693	0.909995	0.94066	-6.80291	1.927307	2.009193	1.54317	1.519216	2.03796	1.367251	1.317361	1.301009	1.38134	3.87668	3.848485	3.886761	3.865227	3.629721	3.72061	4.052512	3.999132	3.95366
CCL22	ENSG0000	-0.70084	0.893929	-1.82851	0.084591	0.156737	-4.73973	1.561356	1.551021	1.256574	1.104644	1.373859	2.064596	1.317361	1.367163	1.445026	2.990428	2.575707	2.735323	0.701742	0.671977	0.651457	1.809319	1.930959	2.003758
DHODH	ENSG0000	-0.21344	4.360617	-3.03759	0.007259	0.022482	-3.21236	4.595114	4.354415	4.504099	4.236852	4.158524	4.162865	4.215456	3.988732	4.388669	4.596474	4.833757	4.864598	4.400624	4.344933	4.293286	4.60593	4.625193	4.61255
CTCF	ENSG0000	0.133262	6.872216	2.829278	0.011345	0.032132	-4.01031	6.977275	6.984337	6.931968	6.993586	6.85779	6.992576	7.184439	7.16623	7.180976	6.843694	6.830279	6.804926	6.504663	6.513484	6.518684	6.849477	6.934307	6.862127
ACD	ENSG0000	-0.56524	4.790336	-5.23369	6.17E-05	0.000518	1.447807	5.51233	5.438728	5.717553	4.479932	4.42432	4.293939	4.651903	4.630987	4.585199	5.109782	5.113047	5.155027	4.650776	4.363157	4.516048	4.969919	4.917433	4.684858
POLR2C	ENSG0000	-0.06461	7.238393	-1.01062	0.325983	0.445969	-6.99213	7.655847	7.625542	7.585153	7.161705	7.007728	6.981178	7.568721	7.645069	7.585996	7.236018	7.120848	7.192004	6.95063	6.897944	7.016021	7.11779	7.069775	7.053622
PARD6A	ENSG0000	0.323917	2.336075	2.474098	0.023872	0.057903	-3.84671	2.483604	2.206444	2.326135	2.740812	2.71237	2.064596	2.186178	2.389238	2.34318	2.409929	2.575707	2.473063	3.116795	3.04352	3.206318	2.890155	2.95995	2.896697
ZNF821	ENSG0000	0.421588	1.255626	1.822842	0.08548	0.157952	-4.7715	1.12723	1.465573	0.421314	1.978268	1.612488	1.526279	1.240874	1.430416	1.674905	1.865926	2.174476	1.951531	2.812503	2.700737	2.846311	2.034568	2.124453	2.252429
MMP15	ENSG0000	0.091629	5.883648	1.002693	0.32969	0.449657	-6.85329	5.316463	5.24399	5.254791	5.96359	6.036494	5.928437	5.465469	5.506949	5.523269	6.265076	6.183153	6.257162	6.291971	6.229218	6.237346	6.356079	6.157931	6.156248
USB1	ENSG0000	-0.01108	7.219613	-0.29897	0.768488	0.837458	-7.46122	7.317308	7.358535	7.350026	7.363336	7.400966	7.389981	7.299683	7.198386	7.300928	7.162269	7.064111	7.115462	7.134317	7.100935	7.091142	7.110389	7.19899	7.176583
CYB5B	ENSG0000	0.05449	6.642938	0.821662	0.422337	0.54385	-7.1037	6.897029	6.900337	6.798832	6.879799	6.784952	6.826724	7.068894	7.0887	7.065416	6.583684	6.563087	6.638596	6.05331	6.127612	6.078955	6.533497	6.474393	6.483982
CCDC113	ENSG0000	-0.79267	3.951292	-5.23072	6.21E-05	0.00052	1.702765	5.000411	4.945746	4.962565	4.898777	4.65537	4.772519	3.774765	3.868266	3.924645	3.496465	3.532361	3.373604	4.085116	4.095289	4.12984	3.200096	3.058015	3.215882
NME3	ENSG0000	0.366378	5.067154	3.340029	0.003763	0.013422	-2.64356	4.984965	4.969219	5.238162	5.491368	5.794432	5.45506	5.178171	5.169636	5.321722	4.252132	4.443776	4.52189	5.542705	5.491566	5.41643	5.119964	4.962447	4.680149
NDRG4	ENSG0000	1.285242	2.870175	9.911974	1.36E-08	8.36E-07	10.00881	1.642349	1.81559	1.853768	3.181227	3.329147	3.086148	2.576877	2.184314	2.440135	2.282443	2.687979	2.671369	4.984974	4.944083	4.882136	3.859998	3.903444	3.698167
PSMD7	ENSG0000	-0.06198	7.325012	-1.3126	0.206292	0.312643	-6.65658	7.393865	7.345888	7.318735	7.279398	7.108636	7.351548	7.143007	7.30876	7.266088	7.343163	7.322929	7.405253	7.441537	7.489487	7.471549	7.294181	7.379346	7.354119
SETD6	ENSG0000	-0.11194	5.115914	-1.90539	0.073316	0.140279	-5.49137	4.941618	5.03743	5.176661	5.320976	5.274966	5.211499	4.845133	4.831761	4.872576	5.167627	5.26106	5.342946	5.32071	5.336493	5.292308	5.273642	5.179522	5.167806
SLC38A7	ENSG0000	0.989934	5.519756	11.82671	9.06E-10	1.05E-07	12.70803	5.197545	5.17164	5.281005	6.842787	6.918814	6.849469	6.428516	6.409631	6.423728	4.30464	4.411431	4.331562	5.539608	5.419382	5.505435	4.994249	5.069195	4.942519
VAC14	ENSG0000	-0.039	5.86586	-0.82216	0.422061	0.543724	-7.01892	5.557407	5.485601	5.618241	5.654037	5.697326	5.716587	5.683433	5.602735	5.677057	6.149776	6.165079	6.197867	6.337271	6.191472	6.201469	6.045367	6.098677	5.97009
HAS3	ENSG0000	0.016555	4.153034	0.070682	0.944453	0.964109	-6.9575	5.876913	5.668796	5.710337	4.555081	4.621619	4.580436	5.152303	5.160337	5.300358	3.322191	3.26005	3.380287	2.385571	2.467968	2.449456	4.473742	4.200441	4.229846
TANGO6	ENSG0000	0.046007	4.182291	0.4074	0.688661	0.777288	-6.89106	4.333741	4.569336	4.429894	4.759555	4.854473	4.829562	4.376062	4.373746	4.279358	3.851231	4.013804	4.050743	3.942308	3.78648	3.910354	4.293774	4.05364	4.051715
COG4	ENSG0000	-0.1979	6.255523	-4.26879	0.00049	0.002651	-0.85983	5.770583	5.7433	5.803703	5.98549	5.946666	6.072885	5.63569	5.58894	5.598715	6.855742	6.844734	6.845941	6.820775	6.799338	6.771244	6.666451	6.588526	6.630321
SLC7A6OS	ENSG0000	-0.09521	5.143174	-1.52618	0.144858	0.238054	-6.08175	5.590951	5.469231	5.437772	5.12773	5.059965	5.063714	5.310366	5.58547	5.534291	5.15208	5.172157	5.103452	4.982695	4.834061	4.95577	5.028684	4.978189	4.950363
SLC7A6	ENSG0000	0.124785	6.791046	2.632116	0.0172	0.044621	-4.4052	6.980199	6.983377	6.97676	6.54577	6.541374	6.607034	7.225954	7.071441	7.129813	6.820933	6.765378	6.681841	6.591726	6.48776	6.537992	6.862752	6.852118	6.821005
PLA2G15	ENSG0000	0.35475	4.0914	4.941346	0.000115	0.000842	1.003047	3.682132	3.804029	3.783005	4.448742	4.70778	4.518705	4.330652	4.157125	4.296723	3.889238	3.799336	3.951019	4.571104	4.501207	4.472558	3.97856	4.184245	4.136669
ESRP2	ENSG0000	0.624973	2.19433	4.230238	0.000533	0.002834	-0.74649	1.069823	0.8079	0.964748	0.258133	0.25478	0.3528	0.548589	0.509405	0.106501	5.43719	5.498975	5.472126	6.341723	6.275656	6.239706	6.162119	6.173056	6.17478
FA2H	ENSG0000	0.14772	2.165604	0.770789	0.451126	0.571547	-6.21079	2.461454	2.09705	2.194417	2.740812	2.398361	2.719893	1.648695	2.069791	1.777424	2.18395	2.674414	2.592986	2.88263	2.837366	2.574402	2.744769	3.138674	2.863849
WDR59	ENSG0000	-0.32262	5.063136	-4.02915	0.000829	0.004027	-1.17743	5.449012	5.564777	5.402389	5.241304	5.008661	5.131272	4.845133	5.132077	5.112107	5.029806	5.030268	5.016036	5.180594	5.128506	5.200779	4.814634	4.81246	4.836464
MON1B	ENSG0000	0.035431	5.96139	0.62587	0.539488	0.651295	-7.15753	5.670345	5.639833	5.643717	6.180841	6.051781	6.087841	5.93476	5.686091	5.909288	6.018751	5.952525	5.952013	6.503073	6.418651	6.396015	5.873853	5.849327	5.97009
CMC2	ENSG0000	-0.03845	4.831231	-0.45394	0.655461	0.751669	-7.07981	5.023273	4.893538	4.817878	4.88719	4.752128	4.777799	5.082792	5.088621	5.067277	5.215784	5.085124	5.074898	4.359059	4.492955	4.523816	4.975361	4.826442	4.958165
AXIN1	ENSG0000	-0.09586	5.677024	-1.7978	0.089506	0.163398	-5.76323	5.916123	5.839841	5.929176	5.643745	5.845033	5.694423	5.712047	5.606164	5.62645	5.598832	5.599299	5.738449	5.661447	5.640943	5.611309	5.655626	5.682553	5.706224
HCFC1R1	ENSG0000	-0.05489	5.118601	-0.76401	0.455052	0.575604	-6.8198	5.420591	5.361002	5.378308	6.268301	6.457769	6.198283	5.418495	5.169636	5.424038	4.281009	4.335892	4.379049	5.44345	5.343394	5.299114	4.306784	4.428393	4.080593
NPRL3	ENSG0000	-0.2291	5.667523	-4.66289	0.000208	0.00134	0.09867	6.22141	6.195425	6.230948	5.587578	5.735694	5.770552	5.943836	5.842522	5.839908	5.60265	5.575777	5.724072	5.2599	5.241179	5.227188	5.57368	5.489561	5.489166
MLYCD	ENSG0000	0.12937	2.949446	1.023788	0.319897	0.439627	-6.13426	2.688195	2.870177	2.848472	3.376187	3.295295	3.306732	3.027514	3.335526	3.236418	3.08079	2.841532	2.992487	3.501296	3.666873	3.740748	3.073871	2.921385	2.629903
MPG	ENSG0000	-0.10088	5.679128	-0.86453	0.399005	0.52052	-6.88339	6.313939	6.294764	6.421217	6.257092	6.366983	6.133861	6.164346	6.119389	6.185827	4.829349	4.925369	5.147212	5.632665	5.524325	5.572511	5.102661	5.092525	4.708177
NECAB2	ENSG0000	1.050833	-0.22162	2.397193	0.027941	0.065508	-3.56418	1.336422	1.061904	1.088647	1.326771	0.730585	1.475193	2.058296	1.549165	1.445026	0.669294	0.799097	0.993481	0.171976	0.190544	0.263213	1.627702	1.67689	1.170016
HSDL1	ENSG0000	0.514403	5.223067	10.99832	2.79E-09	2.35E-07	11.56715	4.937612	4.852052	4.85325	5.468225	5.503402	5.556848	5.431459	5.462247	5.523269	4.917814	4.956526	4.803754	5.528714	5.483259	5.517157	5.373887	5.26414	5.305663
TAF1C	ENSG0000	-0.03023	5.372268	-0.52553	0.605816	0.708194	-7.16449	4.71698	4.710662	4.904734	4.815644	4.888929	4.844735	4.87074	4.644388	4.764393	5.888767	5.89374	5.92141	6.327426	6.266003	6.315508	5.83696	5.873097	5.91704
NAGPA	ENSG0000	-0.09334	4.201181	-1.03131	0.316458	0.436121	-6.35417	5.067938	5.120143	4.998554	5.573188	5.399687	5.320436	5.003988	4.922558	5.010523	3.394446	3.330936	3.585074	3.646572	3.348006	3.593499	3.516101	3.182818	3.31642
COTL1	ENSG0000	-0.42577	7.272427	-2.21095	0.040631	0.088177	-5.2591	8.087305	8.121259	8.084264	6.344419	6.575269	6.540255	7.079914	7.071441	6.975272	7.348857	7.265842	7.421139	7.247798	7.252825	7.237683	7.480814	7.463397	7.488808
USP10	ENSG0000	-0.02907	6.961868	-0.69067	0.498846	0.615957	-7.25253	6.770995	6.813305	6.792012	6.75467	6.591051	6.760261	6.718467	6.725538	6.758969	7.293836	7.277666	7.314391	7.03828	7.010614	7.054741	7.324882	7.311999	7.21941
CRISPLD2	ENSG0000	-1.17691	1.736336	-6.07299	1.10E-05	0.000138	3.542089	2.609804	1.978677	2.166567	0.742604	1.087782	0.984419	1.317361	1.082132	0.925731	3.50465	3.439177	3.470739	3.125084	3.193633	3.075009	2.652661	2.726388	2.252429
TSC2	ENSG0000	0.152316	6.596726	2.743411	0.013611	0.037217	-4.16004	5.812748	5.792378	5.920865	6.517865	6.539568	6.587624	6.122326	6.027768	6.233947	6.890512	6.954735	6.856764	7.367046	7.257095	7.285304	6.931561	7.05129	6.884817
ZNF500	ENSG0000	-0.17202	3.569112	-1.8302	0.084327	0.15643	-5.29846	3.373632	3.526613	3.511328	3.472378	3.709312	3.523386	2.957542	2.960209	3.498982	3.914031	4.166964	4.067404	4.024369	3.946112	3.922159	3.97313	4.07722	3.856822
NME4	ENSG0000	0.494553	6.923205	10.46503	5.97E-09	4.34E-07	10.69374	7.337212	7.290284	7.385946	7.928642	8.062063	7.909783	7.882143	7.808004	7.940371	5.707417	5.858184	5.85938	6.468473	6.41538	6.307655	6.218282	6.322357	6.176453
ABCC1	ENSG0000	-0.36384	7.088084	-5.37825	4.56E-05	0.000412	1.517768	8.028725	8.047368	8.139034	7.868778	7.971854	8.025272	7.613016	7.574192	7.536604	6.326388	6.254406	6.338345	6.688591	6.464738	6.620005	6.13076	6.095794	6.090332

NOMO3	ENSG0000	0.095121	4.488029	1.333794	0.199393	0.304226	-6.23356	4.186225	4.342481	4.080323	4.448742	4.462952	4.427589	4.321396	4.389749	4.288067	4.933056	4.692848	4.793777	4.739835	4.657043	4.602954	4.891489	4.79479	4.918728
LMF1	ENSG0000	0.14959	3.52535	1.029356	0.317348	0.437135	-6.12993	4.375799	4.533044	4.600923	5.122798	5.054916	5.183924	4.772276	4.670823	4.90124	2.056133	2.727926	2.409144	3.288992	3.065945	3.075009	2.300453	2.169028	2.252429
FOXF1	ENSG0000	-0.14026	-0.17476	-0.70774	0.488439	0.606314	-5.72353	4.925527	5.026283	5.014266	4.464421	4.416469	4.233737	5.021241	4.77806	4.700591	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CIAO3	ENSG0000	0.167853	4.828506	2.880155	0.010179	0.029491	-3.61219	4.635242	4.457599	4.739702	4.857809	4.842803	4.913508	4.737903	4.765849	4.88411	4.905504	4.796672	4.945687	5.240955	5.063124	4.989822	5.075046	5.054421	4.942519
MTHFSD	ENSG0000	-0.08997	4.065768	-1.0077	0.327348	0.447277	-6.46771	4.321496	4.312206	4.332993	4.171485	3.99943	3.982555	4.4712	4.212157	4.141991	3.991785	4.157244	4.087963	4.301707	4.116929	4.228211	4.088113	3.863317	3.969186
CLCN7	ENSG0000	0.019597	6.453707	0.198474	0.844964	0.895115	-7.36951	6.707715	6.716067	6.826905	7.270507	7.239007	7.192618	7.16775	6.977944	7.135856	6.017322	5.935567	5.983079	6.291971	6.025473	6.114114	5.747551	5.631703	5.518482
HAGHL	ENSG0000	-0.19664	3.58979	-1.05442	0.306047	0.425355	-6.21184	4.610293	4.553894	4.66702	4.103016	4.258538	4.162865	4.057185	4.040332	3.968647	2.693825	2.817048	2.992487	3.587808	3.410675	3.593499	3.281432	3.204393	2.975687
ANTKMT	ENSG0000	0.172463	3.746289	1.035055	0.314753	0.434276	-6.3178	3.691678	3.952741	4.087767	4.245952	4.529983	4.018682	3.388228	3.592179	3.759121	3.134522	3.269103	3.669344	4.118714	4.230476	4.160062	4.208537	3.842828	3.530388
SLC7A5	ENSG0000	0.054061	10.26241	0.466335	0.646735	0.744044	-7.59966	10.31958	10.29953	10.37105	10.58335	10.67997	10.659	10.43972	10.30781	10.38412	10.22605	10.15963	10.28544	9.793587	9.674501	9.719226	10.34675	10.25376	10.24266
METRN	ENSG0000	-0.14207	6.035374	-0.76797	0.452756	0.573209	-7.04229	6.153953	6.125763	6.260891	6.863631	7.014246	6.714188	5.54317	5.388507	5.420081	5.571821	5.70649	5.860576	6.099266	6.073301	6.086842	6.217134	6.117279	5.845233
FBXO31	ENSG0000	0.053184	5.171899	1.068286	0.299925	0.418807	-6.66385	5.1077	5.055819	5.05661	5.161789	5.383668	4.997371	5.162706	5.150979	5.165072	5.326119	5.276856	5.26203	5.297059	5.255884	5.236673	5.317154	5.314612	5.302602
STUB1	ENSG0000	-0.07934	6.827459	-1.19596	0.247687	0.361559	-6.74762	6.802174	6.855904	6.855533	7.044025	7.091479	7.021796	6.638736	6.612464	6.653397	6.77684	6.809485	6.947311	6.851075	6.79515	6.769611	6.897567	6.889226	6.818864
RHBDL1	ENSG0000	0.192374	1.811107	0.940519	0.359769	0.481657	-6.00238	2.109269	2.068355	2.138168	2.291228	2.398361	2.064596	1.648695	1.760835	2.087859	2.356666	2.285719	2.355887	1.797417	2.06228	1.851631	2.901634	2.784842	2.528753
NUBP1	ENSG0000	-0.24596	5.470655	-5.24508	6.02E-05	0.000508	1.370926	5.801771	5.816305	5.790077	5.388282	5.199191	5.331249	5.482179	5.58894	5.500968	5.56792	5.636504	5.708223	5.352829	5.372923	5.239034	5.410507	5.412868	5.475641
UBE2I	ENSG0000	-0.12422	7.219617	-3.24935	0.004586	0.015721	-3.16507	7.619424	7.643891	7.663837	7.047933	7.149473	7.012868	7.432427	7.511585	7.552052	7.224295	7.199908	7.261073	6.833478	6.815972	6.797917	7.144607	7.169127	7.05635
EEF2K	ENSG0000	0.109892	5.082712	1.291994	0.213182	0.321205	-6.36312	5.173901	5.237561	5.134153	5.517909	5.557954	5.522662	5.32896	5.388507	5.37991	5.082702	4.86395	4.92983	4.777135	4.749998	4.677975	4.939614	4.981317	5.041309
CAPN15	ENSG0000	-0.09824	6.680892	-0.88925	0.385945	0.507853	-7.06065	6.841296	6.832631	6.992709	6.388234	6.550371	6.415394	6.558286	6.318523	6.466555	6.498138	6.766178	6.954607	6.742118	6.713165	6.717217	7.165588	6.948761	6.649721
PIEZO1	ENSG0000	0.260476	7.636746	3.531747	0.002473	0.009598	-2.58827	6.901149	6.940477	7.046228	7.677712	7.781717	7.700531	7.564805	7.430752	7.457747	7.659058	7.771025	7.814404	8.266761	8.101386	8.115628	7.864521	7.841942	7.664791
GSPT1	ENSG0000	-0.08649	7.91827	-2.89175	0.00993	0.028929	-3.96394	8.146639	8.109424	8.129148	8.078169	7.984523	8.036879	8.062404	8.002665	8.012431	7.874903	7.851963	7.881597	7.681745	7.676439	7.716188	7.815677	7.774126	7.805496
ZNF174	ENSG0000	0.123792	3.795478	1.499175	0.151674	0.24689	-5.79789	4.073915	4.108838	4.087767	3.966538	3.808643	3.97338	4.205428	4.175703	3.979442	3.544892	3.554746	3.71764	3.92342	3.846002	3.849837	3.812139	3.876817	3.698167
CLUAP1	ENSG0000	-0.48837	4.215534	-5.34443	4.89E-05	0.000433	1.820357	4.859306	4.719916	4.74442	4.281793	4.158524	4.28655	4.122591	4.09991	4.207726	4.156676	4.36574	4.382382	4.264669	4.298341	4.402656	3.900611	4.011424	4.044405
UBFD1	ENSG0000	-0.14345	7.119266	-2.64836	0.016625	0.043464	-4.38194	7.280617	7.305732	7.272939	7.653123	7.642244	7.637309	7.097643	7.114207	7.113981	6.916817	6.953332	6.925773	6.983485	7.005547	6.977648	6.823309	6.781204	6.857963
EARS2	ENSG0000	0.027667	5.987182	0.674909	0.508564	0.624007	-7.08716	6.718262	6.659473	6.665891	6.664217	6.680642	6.703131	6.772107	6.708095	6.776094	5.335326	5.389075	5.395024	5.274879	5.16532	5.301375	5.42251	5.304658	5.305663
ELOB	ENSG0000	-0.14004	7.228692	-2.8288	0.011357	0.032152	-4.03015	7.7243	7.64632	7.717009	7.52907	7.699985	7.521695	7.448458	7.44805	7.48167	6.970249	6.912025	6.978477	6.896576	6.85754	6.74573	6.966824	6.963861	6.792924
GGA2	ENSG0000	0.01691	6.341724	0.398939	0.69477	0.781478	-7.32066	6.681605	6.620472	6.531778	6.653998	6.589306	6.660892	6.526418	6.670928	6.706336	6.06929	6.054228	6.018854	6.199815	6.111532	6.220714	6.072282	6.018732	6.079643
CPPED1	ENSG0000	-0.32889	4.729083	-4.96974	0.000108	0.000804	0.946655	5.2241	5.433112	5.41428	5.185634	5.044764	4.937296	5.043928	5.141559	5.015776	4.565511	4.532919	4.654613	4.376523	4.363157	4.496442	4.349322	4.094656	4.286716
USP31	ENSG0000	-0.03371	4.276391	-0.46057	0.650787	0.747392	-6.88259	5.049495	5.237561	5.155563	4.540361	4.720591	4.859751	5.026946	5.078784	5.117003	3.798946	3.890158	4.033888	3.288992	3.338827	3.556108	3.97313	3.896833	3.922098
HMOX2	ENSG0000	-0.01138	6.257153	-0.18798	0.853055	0.900939	-7.40399	6.208169	6.146502	6.027288	6.112826	6.234814	6.12353	6.153955	5.999368	6.123935	6.579816	6.463081	6.537585	6.228951	6.253845	6.201469	6.559094	6.52992	6.49609
DNAJA3	ENSG0000	-0.01384	7.265678	-0.29906	0.76842	0.837448	-7.45438	8.008339	7.961219	8.003916	7.440677	7.51933	7.540454	7.991228	8.020119	8.035888	6.815186	6.824149	6.866317	6.57745	6.476295	6.553254	6.850218	6.781204	6.706405
BFAR	ENSG0000	0.069858	6.328926	1.137759	0.270578	0.387166	-6.74529	6.287428	6.368704	6.339387	6.614138	6.534135	6.63203	6.560254	6.586665	6.51001	6.106066	6.078893	6.100044	6.428844	6.509398	6.49418	5.937972	6.059258	6.109724
SALL1	ENSG0000	0.484427	0.504497	1.799062	0.089299	0.163111	-4.52301	5.35902	5.272573	5.325763	7.004352	7.037469	7.116522	5.801308	5.789227	5.806958	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TOX3	ENSG0000	0.525031	-0.4698	1.421925	0.172648	0.272673	-5.1607	0.41387	0.661886	0.106501	0.635873	0.625525	0.2349	0.106501	0.622068	0.256032	1.388276	1.369793	1.219002	2.385571	2.06228	2.036756	1.970607	1.82352	1.504318
RBL2	ENSG0000	-0.35951	6.118927	-2.58933	0.018807	0.047919	-4.39138	6.787781	6.692755	6.701506	6.075025	5.919145	5.986596	6.309508	6.429119	6.308606	5.986972	5.981732	5.881925	6.170079	6.211726	6.196617	5.513229	5.661257	5.722348
XYLT1	ENSG0000	1.274202	1.293349	4.77186	0.000165	0.001123	1.008375	6.54214	6.664275	6.612701	8.316036	8.299365	8.437568	7.966948	7.833822	7.891203	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RPGRIP1L	ENSG0000	-0.28514	4.351283	-3.09246	0.006448	0.020586	-3.03513	4.473109	4.569336	4.574673	4.833866	4.782991	4.894191	4.068294	4.050434	3.968647	4.359822	4.322908	4.463295	4.441025	4.412116	4.539229	4.21775	4.227036	4.428245
MAZ	ENSG0000	-0.02323	7.382882	-0.28525	0.778806	0.845146	-7.46594	7.650962	7.628616	7.734306	7.94829	8.093796	8.018598	7.73915	7.601073	7.713501	7.087273	7.034551	7.119961	6.906829	6.862353	6.869777	7.045251	7.06536	6.940028
STX4	ENSG0000	-0.02958	5.702682	-0.25609	0.800872	0.862128	-7.29694	5.926267	5.969649	5.941555	5.499001	5.48099	5.438487	5.722633	5.743259	5.754509	5.514206	5.52188	5.63746	6.050049	6.003857	5.921732	5.70232	5.657352	5.678157
CDIPT	ENSG0000	0.333604	6.2627	6.640832	3.62E-06	5.81E-05	4.165423	6.157402	6.127503	6.190033	6.821637	6.98932	6.836877	6.573959	6.535438	6.537661	5.759646	5.835508	5.751395	6.346162	6.225488	6.260778	6.151341	5.984847	6.002519
BCKDK	ENSG0000	0.320195	5.575284	6.172051	9.05E-06	0.000119	3.31704	5.684757	5.666404	5.741349	5.990913	6.130685	5.942611	6.068018	5.938116	6.054173	5.104407	5.014203	5.000938	5.520882	5.481175	5.566882	5.412514	5.251241	5.362617
KAT8	ENSG0000	-0.1065	4.99414	-2.46999	0.024075	0.058266	-4.46291	5.160214	5.059469	5.060398	4.869634	4.998178	4.889321	4.864381	4.917048	5.041756	5.149472	5.097884	5.180139	5.045184	5.107039	5.060955	5.085149	5.054421	5.084719
NOMO1	ENSG0000	0.040148	7.489772	0.954323	0.352934	0.474319	-7.04808	8.104381	8.112941	8.109168	7.913729	7.910286	7.976166	8.091281	7.995494	8.124865	6.957634	6.844734	6.94111	6.987469	6.89168	6.896949	7.023744	6.99978	7.0949
SYT17	ENSG0000	0.33761	2.06176	1.746166	0.098333	0.176527	-5.21414	1.286899	0.875715	0.756332	2.425456	2.155834	2.196611	0.782422	0.824004	0.629397	3.349712	3.431133	3.513924	4.25337	4.1851	4.342433	3.859998	3.910024	3.805852
TMC5	ENSG0000	-0.36099	2.507991	-3.05506	0.006991	0.021876	-3.16834	1.602421	0.661886	1.30847	0.934951	0.92021	1.422231	0.548589	0.387194	0.735084	5.645844	5.551865	5.681416	5.04081	5.10974	4.972896	5.231053	5.363378	5.428683
CCP110	ENSG0000	-0.19864	4.823577	-3.83517	0.001269	0.00567	-1.61516	4.880328	4.687262	4.840087	4.392481	4.249727	4.241401	4.591583	4.734864	4.490278	5.305186	5.419887	5.381764	4.931624	5.009177	5.082154	5.18717	5.149249	5.21089
VPS35L	ENSG0000	0.054253	6.194932	1.372688	0.187208	0.289606	-6.41968	6.492486	6.528661	6.47472	6.928659	6.744756	6.87802	6.600985	6.520981	6.596689	5.636563	5.662504	5.624853	6.061972	6.087072	6.036143	5.6708	5.707321	5.639864
RNF40	ENSG0000	0.250512	7.415284	4.835673	0.000144	0.001007	0.280768	7.083519	7.07728	7.074604	7.397428	7.470871	7.378732	7.554966	7.466086	7.543895	7.478135	7.398101	7.457145	7.577624	7.551888	7.547345	7.535258	7.543348	7.496865
KNOP1	ENSG0000	-0.07489	6.437291	-1.37589	0.186232	0.288536	-6.48896	6.506075	6.448813	6.493057	6.281638	6.317247	6.420466	6.304819	6.18505	6.211233	6.482683	6.44222	6.512708	6.648898	6.639382	6.640693	6.502735	6.545853	6.596979
AAGAB	ENSG0000	0.120305	6.738828	2.246465	0.037861	0.083294	-5.13098	6.813148	6.833697	6.742171	6.757855	6.644126	6.737409	6.797363	6.784223	6.751116	6.564237	6.558479	6.599036	6.811174	6.820101	6.890955	6.784308	6.834065	6.826343
IQCH	ENSG0000	-0.7282	2.101098	-5.46511	3.80E-05	0.000359	2.315116	2.461454	2.425906	2.194417	1.688986	1.718467	1.526279	1.240874	1.082132	1.50602	3.536933	3.414909	3.360144	3.031169	3.109775	3.206318	2.968656	3.046116	2.990979
LACTB	ENSG0000	0.211909	4.287586	1.228436	0.235568	0.347265	-6.27016	4.073915	4.12286	3.979882	4.316764	4.149079	4.264152	4.023335	4.175703	4.189248	4.054455	3.942027	4.046548	5.47622	5.412836	5.453507	4.302461	4.313961	4.286716
CSK	ENSG0000	0.150642	6.828358	1.860064	0.07979	0.150258	-5.82827	6.40089	6.335974	6.456147	6.414705	6.654177	6.455483	6.288287	6.308036	6.220361	7.190448	7.112699	7.256086	7.192173	7.167257	7.12856	7.562181	7.507999	7.506208
HERC1	ENSG0000	-0.10136	5.606994	-1.10855	0.282646	0.400171	-6.70425	4.965424	5.003727	4.986657	5.26388	5.465853	5.677574	5.213624	5.164994	5.247756	6.076172	6.346029	5.893651	6.219304	6.220499	6.317744	5.862149	5.733527	5.84102
TRIP4	ENSG0000	-0.28401	5.379388	-3.06162	0.006892	0.02168	-3.34957	5.638616	5.592753	5.511583	4.790984	4.960875	5.010886	5.208612	5.323347	5.252213	5.718015	5.638252	5.603592	5.631211	5.694099	5.652638	5.378002	5.401238	5.470195
MTFMT	ENSG0000	-0.45976	4.33624	-6.1148	1.01E-05	0.000129	3.361851	4.574623	4.742796	4.686762	4.263984	4.408574	4.079806	4.023335	3.946081	4.17992	4.573314	4.780934	4.750584	4.427684	4.463697	4.306856	4.410866	4.247965	4.499478
RAB11A	ENSG0000	-0.03898	6.711244	-0.68751	0.500784	0.6176	-7.22105	6.712412	6.567628	6.608825	6.538381	6.573505	6.515184	6.479338	6.450256	6.559406	6.753849	6.802487	6.794956	7.051388	7.103648	7.082621	6.885333	6.806114	6.774264
CTSH	ENSG0000	-0.02299	4.281038	-0.24352	0.810438	0.869665	-7.1267	3.011517	2.636038	3.044832	3.392671	3.560502	3.419122	2.752438	3.083395	3.00245	5.230663	5.179378	5.393373	6.518101	6.625295	6.481271	5.297735	5.25383	5.157678
TTC23	ENSG0000	-0.12611	3.297267	-1.68389	0.109977	0.192504	-5.41212	3.262728	3.169391	3.270929	3.533117	3.394558	3.498018	2.957542	3.160038	3.199964	3.536933	3.431133	3.451828	4.024369	4.062207	3.962731	3.439417	3.32748	3.31642
CD276	ENSG0000	0.408777	7.01816	6.04374	1.17E-05	0.000145	2.85532	6.247534	6.310164	6.280513	6.50655	6.613547	6.370669	6.456267	6.286829	6.421751	7.279597	7.340214	7.384627	7.779839	7.728766	7.736387	7.958886	7.952058	7.90067
FAH	ENSG0000	-0.18517	5.104167	-2.42878	0.026197	0.06228	-4.57853	5.420591	5.369848	5.446484	4.681208	4.900234	4.616245	5.043928	4.922558	5.057123	5.323808	5.221963	5.46271	5.115518	5.107039	5.009321	5.373887	5.289597	5.29338
CEMIP	ENSG0000	1.458064	5.500384	5.182314	6.87E-05	0.000564	1.176238	5.163648	5.164879	5.344527	3.633621	3.844198	3.991672	7.816952	7.767241	7.787535	5.855556	5.858184	5.792059	4.272153	4.390067	4.27038	6.359205	6.270882	6.264029
RPAP1	ENSG0000	-0.26385	5.781011	-3.60544	0.002103	0.008405	-2.22455	6.371495	6.347962	6.401937	5.821673	5.830334	5.596232	6.127646	6.040494	5.994232	5.709189	5.667648	5.670552	5.57332	5.430226	5.517157	5.537346	5.377692	5.539435
HOMER2	ENSG0000	0.303212	3.326863	2.951577	0.008735	0.026122	-3.32478	2.568952	2.356396	2.681399	2.393052	2.155834	2.098749	2.102195	2.108984	2.047395	4.404248	4.483212	4.434686	4.975836	5.01783	5.068941	4.84468	4.891066	4.882289
EHD4	ENSG0000	0.101983	5.800514	1.807244	0.087969	0.161398	-5.79763	5.689529	5.727328	5.638658	5.375899	5.561519	5.428451	5.760796	5.633301	5.534291	6.063762	6.087875	6.143905	5.842013	5.794873	5.726866	6.363362	6.279802	6.243427
TMEM87A	ENSG0000	0.231005	7.227693	3.726107	0.001613	0.006826	-2.13617	6.968467	6.94443	6.931968	7.055717	7.018142	7.033983	7.227193	7.237598	7.300928	7.211227	7.173631	7.226257	7.614891	7.598783	7.617089	7.344466	7.340291	7.433916
ZNF106	ENSG0000	-0.18598	6.62847	-2.59279	0.018672	0.047634	-4.46519	6.805475	6.867402	6.860974	6.238973	6.315137	6.491278	6.697156	6.720802	6.603683	6.820933	6.821843	6.646934	6.616927	6.605339	6.763063	6.634128	6.519199	6.555153
CEP152	ENSG0000	0.014928	3.303813	0.089898	0.929391	0.953791	-6.8615	3.325391	3.335139	2.933559	3.162124	3.295295	3.459109	3.258446	3.431409	3.421943	3.962373	4.087306	4.046548	2.791825	2.811056	3.042931	3.951202	3.948889	3.906054
ATP8B4	ENSG0000	0.83717	0.482537	3.005313	0.007782	0.023802	-2.41694	3.128595	3.027527	3.133821	3.041869	3.012388	2.980206	3.941119	3.868266	4.021828	0.415169	0.398185	0.34382	0.171976	0.484926	0.186984	0.326864	0.637375	0.315289
DTWD1	ENSG0000	0.498491	4.898529	5.345833	4.88E-05	0.000432	1.810646	5.812748	5.936292	5.778624	6.331652	6.145011	6.286123	6.522384	6.510042	6.453066	3.688323	3.569479	3.567612	3.735884	3.987816	3.933868	3.749992	3.698248	3.716682
GABPB1	ENSG0000	0.100219	5.552693	1.989892	0.062482	0.123738	-5.43828	5.45743	5.520446	5.576519	5.416768	5.47722	5.461637	5.774426	5.746369	5.770134	5.625347	5.590297	5.760389	5.50509	5.399654	5.505435	5.664076	5.647541	5.617869
TJP1	ENSG0000	-0.38764	7.560792	-3.02971	0.007384	0.022788	-3.66244	7.694936	7.67158	7.732526	6.959414	6.943612	6.980033	7.154781	7.050203	7.137062	7.862219	7.853092	7.832793	8.134179	8.147458	8.179725	7.596137	7.620606	7.691363
BMF	ENSG0000	-0.93972	3.48283	-2.48151	0.023511	0.057242	-4.12591	2.996191	2.935191	3.133821	2.688367	2.811499	2.374422	2.226405	2.540248	2.530983	4.261822	4.097507	4.029643	6.533753	6.468951	6.514791	3.324713	3.116085	3.228839
DMXL2	ENSG0000	-0.06649	5.458236	-0.93321	0.363426	0.485261	-6.77039	6.040867	6.002253	6.156798	6.434742	6.223609	6.443905	6.106247	6.194191	6.089476	4.839091	5.038233	4.776148	4.883573	4.894826	4.860827	4.647431	4.660745	4.637057
DNAJC17	ENSG0000	-0.16642	3.655872	-1.74042	0.099362	0.177902	-5.44571	3.944154	3.838426	3.863273	3.472378	3.588725	3.523386	3.258446	3.724251	3.323715	3.805587	3.890158	3.896118	4.041988	4.084346	3.979775	3.854102	3.942484	3.848451
EIF3J	ENSG0000	0.009109	7.674969	0.178374	0.86048	0.906409	-7.53025	8.268854	8.213419	8.225092	7.637647	7.500884	7.626375	8.241147	8.27291	8.194845	7.493124	7.383585	7.481824	7.104757	7.134477	7.091142	7.484635	7.444823	7.486787
SPG11	ENSG0000	0.100678	5.850132	2.055232	0.055115	0.111903	-5.30632	6.193126	6.104721	6.1372	6.677732	6.657512	6.655165	6.207692	6.219034	6.176476	5.131086	5.231258	5.062485	5.857021	5.832965	5.799062	5.338427	5.152027	5.365554
RHOV	ENSG0000	0.10172	4.64295	1.184285	0.252156	0.366505	-6.47088	4.059241	3.944869	3.955676	4.367681	4.470555	4.531264	4.023335	4.238905	4.093134	5.180457	5.247382	5.313568	5.134119	5.101623	5.071593	5.306398	5.329416	5.332922
VPS18	ENSG0000	-0.04691	5.845068	-1.06887	0.29967	0.418573	-6.76165	5.910002	5.91429	5.970031	6.004384	6.084358	5.894815	5.891633	5.929932	6.059269	5.863533	5.732906	5.846165	5.817926	5.811559	5.832286	5.70396	5.695942	5.713156
OIP5	ENSG0000	0.883146	1.976762	3.206589	0.005034	0.016961	-2.3536	2.392887	1.947501	2.138168	1.933905	2.366112	2.581827	3.258446	3.141256	3.254305	2.392392	2.485369	2.796562	1.054048	0.784432	1.355599	2.924322	3.104657	2.944608
SLC30A4	ENSG0000	0.584395	1.782778	3.620472	0.002035	0.008185	-1.34052	1.959273	1.978677	1.888281	3.54791	3.560502	3.321269	2.637802	2.290412	2.274723	1.199504	1.672391	1.333627	2.24051	2.307842	2.23906	1.759719	1.82352	1.665483
BLOC1S6	ENSG0000	0.052117	5.94176	1.265923	0.222155	0.331881	-6.53558	6.403797	6.322368	6.356437	6.316613	6.243717	6.34422	6.318841	6.438765	6.419771	5.473087	5.617135	5.613553	5.485908	5.538426	5.596651	5.70232	5.595419	5.615405
MYEF2	ENSG0000	-0.1447	4.78462	-2.20613	0.041022	0.088809	-4.85091	5.35902	5.597782	5.369174	5.424805	5.235346	5.30954	5.36994	5.335791	5.500968	4.425958	4.540416	4.421787	4.195506	4.24529	4.228211	4.285035	4.123255	4.190648
SGK3	ENSG0000	-0.28925	1.993857	-1.89468	0.074802	0.142586	-4.82707	2.021155	2.283367	2.423483	2.143217	2.078331	2.196611	1.648695	1.367163	1.674905	2.790717	2.753956	2.671369	2.591031	2.549802	2.76998	2.479639	2.868308	2.912845
PDGFRL	ENSG0000	0.874162	1.912956	3.990387	0.000902	0.004302	-0.57233	2.483604	2.448351	2.641489	4.440838	4.110665	4.420855	3.238915	3.351955	3.124172	1.158593	0.748206	1.094478	1.498836	1.970168	1.667532	1.387593	1.67689	1.504318
CSPP1	ENSG0000	0.165027	4.580928	2.138404	0.046879	0.098591	-5.00547	4.158957	4.281283	4.326715	4.350907	4.284653	4.499659	4.6145	4.690335	4.633836	4.799721	4.692848	4.806238	5.003078	4.997558	5.071593	4.829736	4.870969	4.661156
ZDHHC2	ENSG0000	0.544426	3.792961	5.019278	9.70E-05	0.00074	1.256552	3.810347	3.829904	3.698006	4.59836	4.607895	4.604407	4.445869	4.644388	4.613192	3.42926	3.126946	3.393562	3.669424	3.614588	3.615478	3.366734	3.537548	3.660409
BRF2	ENSG0000	-0.10416	4.315844	-1.78683	0.091322	0.16616	-5.5313	4.516725	4.649014	4.429894	4.325376	4.071202	4.210498	4.235306	4.421231	4.388669	4.485065	4.467566	4.503642	4.376523	4.255082	4.351192	4.473742	4.473517	4.370952
TRIM35	ENSG0000	0.042094	4.658964	0.644147	0.527844	0.641201	-6.92421	4.867751	4.897622	5.033667	4.540361	4.668652	4.713128	4.681143	4.837607	4.849226	4.557665	4.591835	4.714017	4.595172	4.407733	4.543056	4.805497	4.829917	4.775955
ZFAND1	ENSG0000	-0.10621	6.083952	-1.35637	0.192246	0.295793	-6.50272	5.866415	5.891946	5.869964	5.245847	5.138434	5.127141	5.701383	5.856983	5.88653	6.716459	6.70578	6.676421	6.454562	6.530717	6.546597	6.581571	6.642869	6.493409
CA2	ENSG0000	1.139681	1.469209	4.189167	0.000584	0.003038	-0.11986	6.127821	6.177063	6.078628	7.641963	7.631262	7.668911	7.278316	7.209698	7.291214	0.106501	0.106501	0.16959	0.171976	0.106501	0.186984	0.257084	0.19538	0.106501
FZD3	ENSG0000	0.728604	4.429041	2.457117	0.024719	0.059505	-4.2973	3.041689	3.428416	3.39613	5.775282	5.654575	5.825123	4.512454	4.474723	4.380548	4.399867	4.353024	4.205521	4.470601	4.645922	4.681452	4.630284	4.747809	4.488745
INTS9	ENSG0000	0.007471	4.342955	0.06621	0.947962	0.966349	-7.11037	4.006674	3.872022	4.153091	3.605613	3.820593	3.91707	3.976929	3.89093	4.235006	4.607916	4.793538	4.732417	5.227545	5.238714	5.290032	4.694387	4.699246	4.784756
RIPK2	ENSG0000	-0.08335	5.611378	-0.44397	0.662513	0.757001	-7.22176	5.761547	5.729621	5.636121	5.286108	4.960875	4.960699	5.578564	5.58894	5.693539	5.573767	5.60646	5.613553	6.333699	6.292394	6.329981	5.591509	5.605589	5.423057
EYA1	ENSG0000	-0.2218	0.176228	-2.05734	0.054891	0.111592	-4.87074	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	4.065562	4.147458	4.059098	5.582379	5.65765	5.553662	3.818209	3.948889	3.734962
NBN	ENSG0000	0.064362	7.12097	0.730965	0.474487	0.59365	-7.2281	7.306476	7.290284	7.290787	6.857706	6.869341	6.925177	7.323059	7.463253	7.408676	6.938881	7.014503	7.069163	7.139953	7.162062	7.184765	7.055565	6.987387	7.084245
CPQ	ENSG0000	0.261659	3.49559	1.741049	0.099248	0.177788	-5.37116	2.949211	2.90305	2.794903	4.199863	4.020303	4.202668	3.19904	3.083395	3.271973	3.622156	3.647924	3.769472	4.006532	4.005327	4.035179	3.762638	4.065478	3.788453
DECR1	ENSG0000	-0.00354	5.559528	-0.04592	0.963896	0.976609	-7.18143	6.526223	6.475012	6.450384	6.892894	6.860687	6.860709	6.443525	6.567448	6.456933	4.271447	4.274276	4.478947	5.051722	5.082502	5.136365	4.406844	4.288934	4.280507
BPNT2	ENSG0000	0.887759	7.862305	6.14978	9.46E-06	0.000123	3.050062	7.442027	7.38641	7.409901	9.023971	8.924114	9.02673	8.571473	8.571866	8.56189	7.074271	7.122722	7.035688	7.459677	7.497243	7.524295	7.665955	7.641023	7.709965
LAPTM4B	ENSG0000	0.367337	8.327756	5.673192	2.48E-05	0.000254	2.014488	7.86752	7.865434	7.844423	8.703532	8.574954	8.649693	8.356654	8.404749	8.35883	8.223128	8.19075	8.180714	8.472009	8.505555	8.500766	8.461752	8.395633	8.428365
UBE2W	ENSG0000	-0.02085	5.41888	-0.23885	0.813997	0.872396	-7.28485	5.060589	5.178369	5.284248	4.892995	4.900234	4.913508	5.360933	5.420016	5.605699	5.898118	5.798468	5.844958	5.74853	5.710205	5.647313	5.548343	5.655395	5.708538
POP1	ENSG0000	-0.13499	5.654422	-2.34267	0.03121	0.071466	-4.86061	5.849458	5.969649	5.935379	4.701197	4.7142	4.894191	5.913358	5.71813	5.643517	6.261458	6.11449	6.249882	5.375589	5.277664	5.420597	6.118515	6.059258	6.125399
NIPAL2	ENSG0000	-0.03549	3.96931	-0.53783	0.597475	0.700571	-6.87236	3.300651	3.209365	3.322321	3.921807	3.747367	3.878271	3.238915	2.871824	2.937508	4.545816	4.525382	4.518865	5.113436	5.238714	5.246096	4.496632	4.584635	4.661156
IKBKB	ENSG0000	-0.27685	5.559968	-4.84449	0.000141	0.000993	0.503584	5.37392	5.224615	5.217952	5.657452	5.661235	5.628736	5.038289	5.164994	4.90124	5.907408	5.929869	5.968739	6.05331	6.018303	5.994819	5.566486	5.716735	5.635005
PLAT	ENSG0000	0.219496	5.201708	1.270003	0.220732	0.330395	-6.46049	4.165822	4.043996	3.979882	5.299283	5.458224	5.37022	4.235306	4.040332	4.261781	5.824834	5.835508	5.907597	5.891445	5.941552	5.952276	6.087439	6.08129	6.109724
JPH1	ENSG0000	-0.61377	2.169784	-5.83989	1.76E-05	0.000198	2.895111	1.286899	1.465573	1.202741	1.022291	1.373859	0.461789	1.074544	0.622068	0.629397	4.905504	4.784095	4.806238	4.359059	4.472117	4.444184	4.345124	4.25315	4.249053
STK3	ENSG0000	-0.06337	5.632217	-0.99988	0.331012	0.451072	-6.84115	5.533718	5.523092	5.477985	5.122798	5.003429	4.979151	5.668911	5.599299	5.537947	6.097974	6.029133	6.111135	5.79473	5.823124	5.854018	5.932386	5.851038	5.991156
GDAP1	ENSG0000	-0.16223	4.539743	-1.73028	0.101197	0.180584	-5.75978	3.385444	3.494617	3.148134	3.988393	3.967543	3.907468	2.752438	2.960209	2.798137	5.845924	5.911195	5.846165	6.010325	5.956632	6.064381	5.760217	5.811165	5.767446
RAB2A	ENSG0000	0.136197	7.138571	3.761785	0.001491	0.006424	-2.04251	6.901149	6.969865	6.913236	7.354948	7.261097	7.372638	7.022527	7.145174	7.156216	6.981288	7.037203	7.085614	7.333905	7.353107	7.401597	7.117174	7.099586	7.179089
EIF3E	ENSG0000	-0.2678	9.084829	-3.63353	0.001977	0.008018	-2.46113	9.349909	9.375044	9.341896	9.000637	8.886951	8.927189	9.011382	9.117833	9.068746	9.119224	9.093626	9.096675	9.167728	9.226002	9.216525	8.830358	8.834884	8.912051
EMC2	ENSG0000	-0.10831	5.928199	-1.94682	0.06781	0.131798	-5.56349	5.797357	5.963819	5.8172	5.930104	6.015855	5.867836	5.539183	5.839612	5.605699	6.028718	6.135682	6.129102	6.050049	6.111532	6.139617	5.988637	6.060737	6.127131
ESRP1	ENSG0000	0.044353	2.518014	0.431606	0.671305	0.763385	-7.2577	0.814199	0.316291	0.598525	0.106501	0.25478	0.461789	0.106501	0.106501	0.256032	7.485391	7.504948	7.53894	7.511975	7.539923	7.434938	7.626721	7.5407	7.650417
NDRG1	ENSG0000	-0.35947	5.141029	-2.77303	0.012784	0.035441	-3.85355	6.570874	6.51011	6.453268	5.294904	5.367468	5.302231	5.891633	5.737018	5.773239	4.525848	5.05665	4.586891	3.974777	3.964133	3.939687	4.814634	4.949728	4.708177
ZC2HC1A	ENSG0000	-0.28131	3.415446	-3.43645	0.003047	0.011364	-2.19927	3.041689	2.870177	3.013906	3.142765	2.926537	3.216292	2.957542	3.102941	3.104585	4.368817	4.247042	4.205521	4.015478	4.13825	4.067427	3.7814	3.923096	3.922098
IL7	ENSG0000	-0.09009	0.77499	-0.56946	0.576291	0.683781	-6.20002	1.430644	1.226787	1.028027	1.022291	0.512209	0.657796	1.074544	0.824004	0.833554	2.37464	2.267764	2.038602	2.009285	1.921808	1.775589	2.283004	2.212266	2.326628
ARMC1	ENSG0000	-0.23464	6.121456	-5.09452	8.27E-05	0.000653	0.951797	6.39067	6.480468	6.409383	5.724097	5.732536	5.738416	6.341911	6.284691	6.262951	6.391835	6.426122	6.508901	5.857021	5.796551	5.829155	6.092456	6.101554	6.207877
TRPS1	ENSG0000	-0.4322	1.430093	-4.20012	0.00057	0.002987	-0.71309	0.318509	0.316291	0.106501	0.52061	0.25478	0.461789	0.106501	0.253663	0.106501	5.691372	5.763659	5.702902	5.878019	5.910909	6.027972	5.365622	5.289597	5.243178
SPAG1	ENSG0000	0.161951	5.558469	1.357336	0.191944	0.295425	-6.38068	5.665509	5.680694	5.618241	5.5623	5.342823	5.578188	6.257073	6.227963	6.157591	5.481405	5.423946	5.539356	5.441792	5.334185	5.44535	5.184823	5.360979	5.326909
CHRAC1	ENSG0000	0.003972	5.466804	0.088819	0.930236	0.95422	-7.33558	4.846543	4.715296	4.879222	4.881362	4.7142	4.756563	4.998191	4.843429	4.758139	6.239558	6.134444	6.213856	6.128422	6.229218	6.192968	6.116053	6.241181	6.18146
NCALD	ENSG0000	0.422791	2.087914	1.788627	0.091022	0.165792	-5.2838	0.318509	0.736739	0.598525	2.103714	2.193078	1.956998	0.548589	0.915275	0.629397	4.261822	4.256177	4.096105	4.444342	4.390067	4.242405	4.552316	4.580516	4.597643
SNX16	ENSG0000	-0.42118	3.625728	-6.5225	4.55E-06	6.96E-05	4.190738	2.762544	2.61635	2.848472	2.714828	2.71237	2.924168	2.480375	2.777669	2.616448	5.057888	4.890593	4.976888	4.975836	4.979952	5.079521	4.426844	4.563921	4.557121
UBR5	ENSG0000	0.033417	7.433541	0.472769	0.642228	0.739949	-7.41968	6.929665	7.007196	7.052899	7.297019	7.233432	7.464726	7.215998	7.23317	7.273781	7.770165	7.906287	7.612803	7.701627	7.669592	7.735133	7.639204	7.621107	7.597701
GSDMD	ENSG0000	0.235492	3.925213	3.809844	0.001342	0.005921	-1.67985	2.296082	1.81559	2.018628	2.291228	2.366112	2.132113	2.303642	2.029503	1.962896	5.740714	5.76526	5.90644	6.575939	6.507352	6.479275	6.114821	6.091458	5.944791
GFUS	ENSG0000	0.230912	6.78796	3.378839	0.003457	0.012547	-2.85772	5.628712	5.523092	5.46661	6.402548	6.618689	6.388035	5.850398	5.755661	5.813006	7.464038	7.387228	7.479881	7.935822	7.917856	7.907963	7.665955	7.662129	7.610134
PYCR3	ENSG0000	0.029424	5.093817	0.290315	0.774992	0.842226	-7.2259	4.102823	4.12286	3.947516	4.765896	5.049849	4.72957	3.928981	4.080322	3.990155	5.81005	5.931296	6.036943	6.087648	6.046769	6.067042	5.966946	6.039887	5.91904
EEF1D	ENSG0000	-0.12984	8.71484	-2.72069	0.01428	0.038565	-4.374	8.783909	8.765691	8.820243	8.411135	8.560331	8.347673	8.55083	8.54443	8.560094	8.859476	8.861375	8.902151	8.862026	8.791787	8.784786	8.843996	8.867791	8.813624
SQLE	ENSG0000	-0.09888	6.225825	-1.21898	0.239048	0.351079	-6.66409	5.845187	5.90823	5.808216	6.286057	6.230343	6.217839	5.943836	5.78015	5.748211	6.603825	6.668631	6.634409	6.486279	6.417562	6.40235	6.477068	6.506228	6.464943
SH2D4A	ENSG0000	0.176197	6.389253	1.527476	0.144537	0.237608	-6.24437	6.662315	6.65224	6.628099	6.894342	6.730577	6.756255	7.215998	7.184693	7.211053	6.030136	5.948304	5.927126	6.160029	6.103425	6.029337	5.715389	5.740928	5.756303
INTS10	ENSG0000	-0.16962	5.420666	-1.75282	0.097155	0.174808	-5.75738	6.003031	5.981241	5.86564	6.100335	6.064398	6.029279	5.578564	5.730749	5.515873	5.112462	5.097884	5.147212	4.876225	4.882244	4.851597	5.18717	5.101177	5.098903
ERI1	ENSG0000	-0.28362	4.926136	-6.11843	1.01E-05	0.000129	3.249432	5.397444	5.413282	5.452263	4.584077	4.392653	4.480358	4.998191	5.183472	5.021009	5.283944	5.355466	5.324005	4.369563	4.509412	4.496442	5.069967	5.140881	5.098903
SLC39A14	ENSG0000	0.089967	6.947308	2.660071	0.016222	0.042653	-4.35323	7.293213	7.326328	7.281079	7.05183	7.034907	7.093417	7.324218	7.365493	7.335997	6.709395	6.619923	6.727764	6.56912	6.575365	6.502067	6.86422	6.780307	6.818864

MTMR9	ENSG0000	-0.15505	4.462114	-1.6416	0.118544	0.203989	-5.66845	5.696657	5.76358	5.69823	5.16659	5.029402	5.276352	5.515028	5.606164	5.392079	3.536933	3.668598	3.707046	3.623353	3.583837	3.6725	3.530961	3.659719	3.650813
LEPROTL1	ENSG0000	0.446705	5.83551	6.426184	5.49E-06	7.98E-05	3.768993	5.310279	5.396065	5.350729	6.01507	5.913577	6.009218	6.073542	6.128954	5.991568	5.669698	5.807818	5.733237	6.02701	6.062189	6.125647	5.909826	6.001889	5.987349
DCTN6	ENSG0000	-0.11898	4.622044	-2.10232	0.050304	0.10417	-5.05526	5.064268	4.913842	4.831244	4.694564	4.641964	4.639633	4.889651	4.80814	4.989319	4.674725	4.679329	4.750584	4.480326	4.385617	4.247105	4.492842	4.584635	4.510131
R3HCC1	ENSG0000	0.098965	5.092896	2.026307	0.058273	0.117081	-5.30834	4.929567	5.007511	4.892035	4.88719	4.86605	4.956049	4.825625	4.976535	4.940438	5.35583	5.240494	5.339521	5.242861	5.301484	5.253122	5.546516	5.469653	5.425873
GSR	ENSG0000	0.67862	7.546197	8.241858	1.98E-07	6.06E-06	7.025222	7.237276	7.323296	7.223109	7.87539	7.940714	7.813454	8.204486	8.205008	8.192527	7.198669	7.10766	7.228573	7.214681	7.19804	7.222249	7.57568	7.59071	7.628584
TNFRSF10/	ENSG0000	-0.26208	5.780587	-3.73924	0.001567	0.00668	-1.97181	6.364052	6.403582	6.389943	5.185634	5.296516	5.179942	5.973684	5.913422	5.819027	6.106066	6.159004	6.122141	5.304378	4.944083	5.236673	6.088695	6.091458	5.983532
UBXN8	ENSG0000	-0.24124	4.599509	-4.46836	0.000317	0.001875	-0.11939	5.233934	5.214829	5.217952	4.803367	4.877535	4.979151	5.032629	5.132077	5.005251	4.451587	4.51019	4.554757	4.080861	4.116929	4.088533	4.258497	4.065478	4.305185
PPP2CB	ENSG0000	0.050114	7.132252	1.573472	0.133536	0.22347	-6.29088	7.03466	6.965008	6.970733	6.996285	6.949065	6.99711	7.008177	6.948536	6.953539	7.265217	7.277666	7.251081	7.27785	7.286635	7.276709	7.402683	7.328058	7.383386
ERICH1	ENSG0000	-0.25261	3.4044	-2.18464	0.042802	0.091813	-4.56727	3.919992	3.838426	3.854572	3.633621	3.6964	3.926609	3.617275	3.550079	3.628063	3.155466	3.348126	3.290894	3.675081	3.576046	3.824901	3.073871	3.287607	2.863849
TUSC3	ENSG0000	0.266291	7.271776	1.99754	0.061576	0.122318	-5.59774	7.062519	7.10315	7.079279	8.246889	8.241655	8.303053	7.595845	7.594184	7.589523	6.884252	6.852284	6.885235	6.988037	6.972543	7.026312	6.898284	6.885891	6.866279
ARHGEF10	ENSG0000	0.65227	4.885831	8.215055	2.08E-07	6.25E-06	7.290637	5.391599	5.361002	5.372225	5.941353	5.859584	5.956646	6.132946	6.171229	6.236199	3.838337	3.780465	3.794706	4.290695	4.200384	4.284167	4.226905	4.211138	3.984547
KLHDC4	ENSG0000	-0.21585	5.60715	-3.41837	0.00317	0.011716	-2.62904	5.779563	5.651972	5.656289	5.092847	5.244245	5.401341	5.356409	5.435516	5.367637	5.855556	5.98997	5.880747	5.876792	5.752296	5.838529	5.809801	5.722354	5.769665
MCM4	ENSG0000	-0.01687	7.473628	-0.07647	0.939911	0.961513	-7.57193	7.08985	7.017553	7.081145	6.569526	6.603208	6.694781	6.828732	6.934968	6.838194	8.78415	8.755235	8.791652	6.630092	6.722017	6.731544	8.893524	8.88939	8.850245
KCTD9	ENSG0000	0.052068	5.588437	0.838842	0.412884	0.534756	-6.92525	6.099415	6.305561	6.232628	5.85774	6.010649	5.840343	6.182352	6.4233	6.371418	5.223242	5.329736	5.310072	4.670733	4.770624	4.775553	5.353134	5.193075	5.243178
FGL1	ENSG0000	-0.12663	-0.90534	-0.19645	0.846528	0.896438	-5.83189	1.719036	2.068355	1.744977	2.97776	2.835252	3.292047	1.588238	2.069791	1.918715	0.415169	0.330605	0.230035	0.106501	0.106501	0.106501	0.106501	0.19538	0.315289
ASAH1	ENSG0000	0.164669	7.72874	1.081632	0.294115	0.412717	-6.95005	7.24378	7.210458	7.137826	8.115888	7.949583	7.997821	8.044233	7.97906	8.026161	7.892943	7.811481	7.823934	7.896413	7.954	7.908704	7.35755	7.449348	7.447836
BNIP3L	ENSG0000	1.236332	5.589006	11.48235	1.44E-09	1.45E-07	12.20706	4.309146	4.108838	4.1812	5.768983	5.690831	5.637476	5.218618	5.164994	5.131593	5.29814	5.638252	5.359952	6.48869	6.500165	6.485255	6.755339	6.803465	6.721381
MAN2B1	ENSG0000	0.55703	5.037833	7.234882	1.18E-06	2.46E-05	5.493653	4.892796	4.826575	4.974661	5.969096	6.142633	5.944959	5.63569	5.6164	5.636714	4.281009	4.228596	4.264509	5.121745	5.093459	5.222422	4.720549	4.600995	4.38838
KCNN4	ENSG0000	0.01097	6.139336	0.087197	0.931506	0.955042	-7.37788	6.287428	6.172014	6.330002	6.34865	6.559313	6.252385	5.697811	5.679597	5.822029	5.745902	5.8294	5.905282	6.572912	6.450959	6.436704	6.217134	6.357688	6.228989
NUCB1	ENSG0000	0.253184	7.821181	4.375016	0.000389	0.002204	-0.74154	7.422812	7.41233	7.505407	8.180207	8.305224	8.202593	7.91559	7.780198	7.88404	7.524154	7.441294	7.521286	8.376074	8.331962	8.289459	7.59702	7.649404	7.564227
GYS1	ENSG0000	0.058343	5.629155	0.709176	0.487568	0.605602	-7.04576	5.689529	5.701866	5.592306	5.904469	5.960231	5.982028	5.444307	5.388507	5.519576	5.430762	5.415817	5.558634	5.679852	5.755749	5.643753	5.83696	5.697845	5.663916
CGB2	ENSG0000	0.461314	-1.4331	1.534006	0.142931	0.235375	-4.94138	0.216396	0.215206	0.106501	0.106501	0.389229	0.106501	0.269385	0.106501	0.256032	1.073118	1.152172	0.993481	1.446877	1.495836	1.247156	1.177011	1.289746	1.504318
ECH1	ENSG0000	-0.14062	2.550761	-0.53379	0.600208	0.703197	-5.97885	6.619196	6.690403	6.721982	6.551287	6.618689	6.589126	6.575907	6.526419	6.589661	0.415169	0.583785	0.449284	0.656707	1.032323	0.651457	0.326864	0.433238	0.214669
HNRNPL	ENSG0000	0.10535	6.976177	1.735973	0.100163	0.179043	-6.03735	6.832694	6.778297	6.811251	6.554953	6.52686	6.58612	6.995138	7.129773	7.045009	7.23171	7.125841	7.230886	7.13329	7.148336	7.098314	7.138555	7.236125	7.183255
NFKBIB	ENSG0000	0.438334	4.6874	3.867053	0.001183	0.005353	-1.42425	4.880328	4.774231	4.950366	5.213737	5.36339	4.983728	5.066264	5.160337	5.193163	3.812196	3.824119	4.167389	4.838914	4.801021	4.920894	4.619897	4.584635	4.299055
TUBB4A	ENSG0000	1.61119	0.33493	3.059512	0.006924	0.021741	-2.30788	2.245129	2.283367	2.300736	6.168929	6.010649	5.961294	3.814892	3.578282	3.844255	0.190076	0.185134	0.106501	0.234608	0.190544	0.263213	0.183756	0.433238	0.315289
SARS2	ENSG0000	0.136986	1.030293	0.658068	0.519069	0.63373	-6.00643	1.336422	1.420874	1.256574	1.791994	1.817192	1.475193	1.966276	1.85606	1.620777	1.91588	1.827525	1.538714	1.336984	1.681564	1.923865	1.571317	1.645686	1.370407
SNRNP70	ENSG0000	-0.33201	7.032765	-6.89201	2.24E-06	4.09E-05	4.559726	7.182472	7.172201	7.24158	6.884177	6.982688	6.928742	6.718467	6.714463	6.76989	7.12559	7.294945	7.24743	7.183765	7.143072	7.18599	7.001911	7.077103	6.941013
CLPTM1	ENSG0000	0.150134	7.19889	2.307113	0.03353	0.07578	-5.05963	6.819693	6.784926	6.863145	7.430734	7.421707	7.379601	7.150867	7.100902	7.165698	7.185365	7.159703	7.363281	7.465809	7.39301	7.356633	7.291457	7.263362	7.1682
RELB	ENSG0000	-0.05682	4.878736	-0.2715	0.789186	0.852901	-7.1189	5.51233	5.622666	5.693359	4.540361	5.008661	4.690911	5.136557	5.108097	5.238799	4.30932	4.394983	4.32811	5.102982	5.020703	5.087406	4.739863	4.641102	4.577525
CLASRP	ENSG0000	-0.17399	4.94275	-2.13312	0.047367	0.099329	-5.09491	4.969353	4.796272	5.176661	4.359318	4.58706	4.67402	4.765467	4.771967	4.849226	5.172773	5.224293	5.408164	5.265535	5.206274	5.264758	5.141909	5.187669	5.022829
LIN7B	ENSG0000	-0.39986	2.025894	-3.32348	0.003901	0.013812	-2.10481	2.461454	2.513665	2.514675	1.933905	2.193078	1.714252	2.01302	2.069791	2.408535	2.749986	2.531245	2.745712	2.504718	2.467968	2.589286	2.448672	2.37332	2.226823
PPP1R37	ENSG0000	-0.07874	5.025719	-1.12157	0.27722	0.394528	-6.59978	4.333741	4.299916	4.363979	4.647264	4.860273	4.849758	4.552561	4.175703	4.032233	5.43719	5.568461	5.728007	6.02922	6.008206	5.970866	5.62479	5.554003	5.326909
FCGRT	ENSG0000	0.361927	2.99247	4.194117	0.000577	0.003015	-0.65867	1.336422	1.374745	1.358564	2.063099	1.953662	1.367251	1.966276	1.605065	1.777424	4.517783	4.521599	4.497508	5.610696	5.552391	5.677227	4.847651	4.843731	4.793504
PIH1D1	ENSG0000	0.010578	6.11193	0.285006	0.778989	0.84528	-7.38458	5.316463	5.263109	5.194009	5.294904	5.399687	5.280077	5.310366	5.420016	5.321722	6.998053	6.953332	6.997076	6.976057	6.925798	6.966291	6.982449	6.983493	6.880718
ARHGEF18	ENSG0000	-0.23219	1.910818	-1.76677	0.094723	0.171298	-5.06297	1.561356	2.039077	1.744977	1.182548	1.953662	2.098749	1.648695	1.605065	1.564539	2.943032	3.002186	2.86487	3.074617	2.962168	2.98783	2.831347	2.770449	2.570068
PPP1R13L	ENSG0000	-0.06026	4.255538	-0.42129	0.678676	0.769494	-7.11469	3.562366	3.439663	3.511328	2.791417	2.660129	2.904994	2.637802	2.451551	2.440135	5.491736	5.544427	5.720126	6.280885	6.116912	6.12437	5.814363	5.8459	5.470195
PEX11G	ENSG0000	-0.60104	0.956184	-1.87739	0.077257	0.146366	-4.59454	2.109269	1.947501	2.109199	1.182548	1.164793	1.123626	1.074544	1.15884	1.314712	1.388276	1.529011	1.631268	2.28558	2.169719	2.416453	1.599785	1.289746	1.370407
ERCC2	ENSG0000	0.154522	5.507332	1.595494	0.128524	0.217071	-6.0533	5.197545	5.275715	5.277754	5.320976	5.407631	5.191857	5.559008	5.492201	5.541593	5.43719	5.4757	5.606445	6.112876	6.011098	6.073672	5.643712	5.487362	5.612936
DOT1L	ENSG0000	-0.35227	5.866883	-5.0837	8.46E-05	0.000665	0.950137	5.655787	5.649552	5.899874	5.396478	5.49597	5.349094	5.356409	5.117737	5.363523	6.476454	6.595838	6.675742	6.090826	6.018303	6.059045	6.403278	6.319888	6.159635
PLEKHJ1	ENSG0000	-0.22568	5.219903	-3.00954	0.007712	0.023618	-3.413	5.350006	5.234335	5.234814	5.082724	5.274966	5.151751	4.751751	4.765849	4.825493	5.33073	5.351209	5.365015	5.741807	5.67599	5.627622	5.367692	5.322033	5.227124
RNASEH2A	ENSG0000	-0.36389	4.620544	-5.67985	2.44E-05	0.000251	2.40023	5.523064	5.460976	5.573871	4.132759	4.310303	4.210498	5.152303	5.233099	5.121883	4.977839	4.953722	5.216073	3.482063	3.503965	3.454098	4.743057	4.714363	4.617485
KLC3	ENSG0000	0.021431	2.330943	0.139293	0.890811	0.927186	-6.8073	1.384302	1.277811	1.499186	1.182548	1.307481	1.367251	1.966276	1.945386	1.50602	3.528929	3.805572	3.91004	4.509114	4.367677	4.372859	3.768919	3.870083	3.387478
SF3A2	ENSG0000	-0.27418	5.881902	-2.84506	0.01097	0.031294	-3.89041	6.033379	5.963819	6.130008	5.112883	5.185395	5.076625	5.574674	5.495903	5.54523	6.232183	6.312486	6.533843	6.138693	6.174803	6.084218	6.324444	6.333415	6.095646
AMH	ENSG0000	-0.15498	1.26441	-0.8822	0.389641	0.511301	-5.80826	2.609804	2.37994	2.830836	2.325974	2.686486	2.164723	2.480375	2.220554	2.588518	1.278001	1.265082	1.248523	1.218025	1.16289	1.046067	1.017342	1.16325	1.58715
LYL1	ENSG0000	0.067296	-0.32999	0.230056	0.820719	0.877129	-5.86369	1.286899	1.173893	1.744977	1.933905	1.768674	1.422231	1.160105	1.367163	1.445026	0.415169	0.524532	0.499259	0.46104	0.550009	0.404558	0.789161	0.637375	0.315289
OAZ1	ENSG0000	0.306954	7.657369	4.09691	0.000714	0.003564	-1.34643	7.494782	7.523532	7.48088	7.990866	8.06834	7.988743	7.984647	8.029086	8.013088	7.456674	7.400678	7.537072	7.444024	7.429679	7.398431	7.5855	7.577336	7.564227
TRMT1	ENSG0000	-0.69293	5.380825	-5.94072	1.44E-05	0.000169	2.859675	6.574748	6.526025	6.565494	5.156973	5.287935	5.324049	5.643139	5.553863	5.489686	5.380501	5.203192	5.421185	4.922141	4.824228	4.72927	4.980783	5.063304	4.890466
STX10	ENSG0000	0.297132	5.585227	5.679545	2.44E-05	0.000251	2.275646	5.423458	5.493717	5.463752	5.452586	5.657909	5.614052	5.860019	5.646681	5.763904	5.46891	5.329736	5.510708	5.757889	5.703069	5.761774	5.736375	5.735381	5.710849
DMPK	ENSG0000	0.144048	4.715027	2.564931	0.019786	0.049913	-4.22078	4.433832	4.401188	4.553323	4.667726	4.825118	4.772519	4.528631	4.397684	4.687485	4.64911	4.839847	4.835713	5.117597	5.093459	5.227188	4.999601	4.930438	4.926702
TBC1D17	ENSG0000	0.158628	4.929738	2.464405	0.024352	0.058808	-4.42288	4.726299	4.774231	4.725456	5.355021	5.510796	5.366721	4.765467	4.59002	4.855099	4.641707	4.644965	4.727183	5.413307	5.445273	5.267074	4.991566	4.83684	4.985143
TLE6	ENSG0000	-0.24993	2.149687	-1.66348	0.114042	0.197782	-5.09425	3.183753	3.057038	3.359697	2.999448	2.835252	3.016392	2.480375	3.023117	2.748518	2.01088	1.899254	1.986992	2.129525	1.897007	1.851631	1.903678	2.33471	1.844513
CCDC130	ENSG0000	0.05845	3.519143	0.6831	0.503499	0.619672	-6.57854	3.756787	3.732673	3.906009	3.619685	3.912781	4.000731	3.953155	4.060466	3.771595	3.528929	3.447177	3.332842	3.501296	3.320292	3.509921	3.272618	3.520448	3.477085
PTOV1	ENSG0000	0.149074	6.225853	1.649365	0.116929	0.201991	-6.0348	6.34754	6.397828	6.415312	6.725687	6.832934	6.758927	6.713169	6.607341	6.634741	5.625347	5.624209	5.594999	6.452917	6.390053	6.380055	5.612618	5.768349	5.560088
TLE5	ENSG0000	0.308873	7.138991	6.696894	3.25E-06	5.37E-05	4.187255	7.221711	7.158653	7.232374	7.601764	7.691063	7.533448	7.420556	7.366504	7.462563	6.505294	6.557555	6.556886	7.183765	7.204372	7.189657	6.957229	6.971746	6.882769
SGTA	ENSG0000	0.005461	6.746625	0.095538	0.924974	0.950466	-7.46673	7.110458	7.07728	7.136032	6.487492	6.727407	6.473492	7.086758	7.000265	7.187972	6.587542	6.658331	6.806788	6.418764	6.413195	6.378985	6.737834	6.688558	6.715639
MED25	ENSG0000	-0.29392	5.155882	-2.18911	0.042426	0.091196	-5.01856	5.250176	5.340148	5.350729	4.605448	4.905853	4.819357	4.908318	4.59693	4.967798	5.281564	5.242793	5.454817	5.741807	5.831329	5.723497	5.306398	5.238226	5.004109
SNAPC2	ENSG0000	0.078635	3.712432	0.977174	0.341815	0.462746	-6.35961	4.12413	3.96057	4.065319	4.272916	4.376555	4.226032	4.111894	4.119235	3.879258	3.340597	3.348126	3.555853	3.488503	3.67419	3.600863	3.530961	3.713375	3.466183
C19orf53	ENSG0000	-0.20536	6.311549	-3.7148	0.001654	0.006951	-2.06549	6.548721	6.570189	6.529047	6.218315	6.41703	6.229446	6.276361	6.157275	6.293548	6.514442	6.216297	6.365544	6.334592	6.257503	6.267734	6.286638	6.225439	6.237028
TIMM44	ENSG0000	-0.03937	5.570795	-0.39675	0.696355	0.782747	-7.1967	6.374462	6.276063	6.342502	5.740289	5.707014	5.643273	6.389189	6.337211	6.31288	5.112462	5.043519	5.219804	5.121745	5.02357	5.121083	5.02081	5.021374	5.070394
CCDC61	ENSG0000	0.176224	1.886527	1.10057	0.286011	0.403692	-5.91519	1.861169	1.591918	1.888281	1.578054	1.817192	1.475193	1.966276	1.901414	1.826075	2.47802	2.267764	2.786535	3.125084	3.193633	3.126936	2.719047	2.784842	2.48622
IL27RA	ENSG0000	1.259376	3.831719	19.51768	2.61E-13	2.32E-10	20.42499	2.568952	2.730641	2.469799	3.21869	3.426184	2.998412	3.965091	3.685883	3.708117	4.146251	4.008408	4.09204	4.833866	4.756906	4.810905	5.338427	5.203826	5.230349
ASF1B	ENSG0000	-0.29933	4.325619	-1.39568	0.18029	0.281966	-6.18509	4.933595	4.826575	4.749122	3.944346	4.061165	4.000731	4.520565	4.651042	4.235006	5.353567	5.34694	5.478369	2.738794	2.671787	2.589286	5.146741	5.163088	5.119922
TNNT1	ENSG0000	0.111582	4.869053	1.041233	0.311957	0.431757	-6.74117	3.911847	3.976101	4.042515	3.255206	3.602632	3.306732	3.539581	3.592179	3.733845	5.957461	5.955333	6.035885	6.432188	6.515522	6.432583	6.229712	6.277259	6.146038
VRK3	ENSG0000	-0.19275	5.047732	-3.22624	0.004823	0.016402	-2.93865	4.973272	4.860445	4.826803	4.845887	4.745876	5.019826	4.504297	4.722281	4.687485	5.406943	5.256515	5.395024	5.665715	5.556356	5.594809	5.203493	5.193075	5.220652
FAM32A	ENSG0000	0.493882	6.160184	14.02115	6.06E-11	1.39E-08	15.37447	5.423458	5.520446	5.530827	6.132588	6.182532	6.237133	6.011586	6.065615	6.002193	6.060989	6.122005	6.082734	6.81886	6.739561	6.71891	6.537182	6.550072	6.534429
PPP6R1	ENSG0000	0.070588	7.394396	1.558954	0.13693	0.228087	-6.33641	7.198464	7.178928	7.343822	7.112797	7.287166	7.169705	7.300861	7.206314	7.331791	7.553051	7.519247	7.666418	7.49808	7.425891	7.44469	7.761975	7.666994	7.593324
C19orf44	ENSG0000	0.107807	2.77058	1.286894	0.214915	0.323337	-5.81513	2.744313	2.9974	2.681399	3.123142	3.012388	3.103073	2.908934	2.848856	3.023464	2.930935	2.687979	2.957162	3.281595	3.282491	3.177059	2.968656	2.921385	2.912845
MED26	ENSG0000	-0.26887	2.670817	-3.37678	0.003472	0.012588	-2.10489	3.114469	3.142112	3.133821	2.661411	2.660129	2.605775	3.004565	2.960209	2.959482	3.113269	3.175905	3.018425	2.683738	2.657091	2.756856	2.946659	2.841019	2.59029
OLFM2	ENSG0000	0.710616	1.627436	3.579093	0.002228	0.008797	-1.38532	2.392887	2.655462	2.399755	4.112999	4.167908	4.10523	2.884002	2.938616	3.143496	0.781331	0.640699	0.921995	1.776519	1.681564	1.355599	1.419885	1.406038	0.872651
AKAP8	ENSG0000	-0.13416	5.495935	-2.7728	0.012791	0.035441	-3.93153	6.117234	5.975457	5.986055	5.587578	5.833285	5.628736	5.850398	5.851216	5.99689	5.288691	5.401479	5.399966	5.023176	4.976997	4.935528	5.235596	5.209172	5.239981
EPHX3	ENSG0000	1.729457	-0.38409	9.195764	4.11E-08	1.88E-06	8.726028	0.106501	0.106501	0.219246	0.258133	0.25478	0.106501	0.415731	0.253663	0.256032	1.865926	1.55885	1.780195	3.004458	3.141796	3.157218	3.063688	3.149837	3.162857
ILVBL	ENSG0000	-0.16003	5.092361	-2.17507	0.043619	0.093215	-4.98967	5.590951	5.531	5.65879	5.329563	5.465853	5.313181	5.342749	5.564476	5.37174	4.735102	4.815334	4.888235	5.045184	4.856747	4.94134	4.700972	4.714363	4.597643
ZNF419	ENSG0000	0.055213	3.525693	0.743264	0.467196	0.586952	-6.6809	3.156438	3.085957	2.758051	2.999448	3.053471	2.845893	3.137083	2.801791	2.846105	4.242376	4.340194	4.15185	4.483553	4.525683	4.543056	4.386563	4.242761	4.376785
SYDE1	ENSG0000	0.193698	1.295746	0.623286	0.541145	0.653015	-5.88665	3.836399	4.058659	4.188143	4.122913	4.462952	3.991672	4.31208	4.230044	4.216877	0.781331	0.848253	0.54756	0.294634	0.26996	0.263213	0.576451	0.572487	0.659518
POP4	ENSG0000	-0.36508	5.200439	-6.09915	1.05E-05	0.000132	3.197938	5.423458	5.546688	5.549817	4.982834	5.180767	5.246196	5.131269	5.210752	5.087374	5.316853	5.401479	5.429264	5.291546	5.322591	5.100452	5.080106	5.009167	5.022829
CCNE1	ENSG0000	-0.26087	3.641232	-1.65534	0.1157	0.200184	-5.61161	4.543331	4.543506	4.58523	3.487804	3.546181	3.510758	4.045989	4.050434	4.042563	4.182415	4.066685	4.216766	2.24051	2.307842	2.200805	4.175819	4.041704	4.229846
URI1	ENSG0000	-0.19017	6.228997	-4.53156	0.000277	0.001675	-0.26426	6.266821	6.291664	6.202087	6.359172	6.283111	6.328116	5.897874	6.00976	5.931692	6.300766	6.327731	6.355404	6.411158	6.413195	6.405507	6.224008	6.268324	6.20296
PDCD5	ENSG0000	-0.31484	6.061678	-4.19694	0.000574	0.003004	-0.9861	6.518198	6.532605	6.535866	5.824713	5.735694	5.880161	5.952856	5.938116	6.004837	6.144548	6.124502	6.28414	5.870643	6.005308	5.901004	6.072282	6.139849	6.048921
ANKRD27	ENSG0000	0.430887	4.950918	6.700556	3.23E-06	5.34E-05	4.423734	4.327631	4.318312	4.44736	4.87551	4.928114	4.951383	4.487843	4.657666	4.505294	4.845549	4.989766	4.864598	5.874336	5.798226	5.857096	5.473398	5.447207	5.371408
RPS16	ENSG0000	0.192675	9.543457	2.705278	0.014752	0.039543	-4.43909	9.919235	9.878622	9.892515	9.88433	9.88175	9.819509	10.35522	10.30294	10.39184	9.250646	9.139395	9.102496	8.871449	8.928857	8.942889	9.058206	9.059413	9.141354
TIMM50	ENSG0000	-0.34396	6.227966	-8.26216	1.92E-07	5.90E-06	7.15199	6.629166	6.562493	6.674569	6.082665	6.018451	5.937902	6.273964	6.286829	6.1928	6.503253	6.381944	6.559833	6.018135	5.923245	5.911405	6.171633	6.205516	6.130587
FBL	ENSG0000	-0.26186	6.920046	-4.3999	0.000368	0.002113	-0.64627	7.210964	7.277021	7.177613	6.23212	6.225857	6.289823	6.836875	6.748989	6.808235	7.295606	7.316939	7.389605	6.816303	6.779969	6.747389	7.244336	7.182778	7.208822
DYRK1B	ENSG0000	0.580673	2.247204	1.894222	0.074866	0.142651	-5.01089	1.519087	1.780637	1.853768	1.182548	1.612488	1.250575	1.588238	1.301009	1.244857	2.589954	2.877496	2.806521	5.373851	5.284851	5.234307	3.501087	3.651889	3.162857
GPI	ENSG0000	0.465872	8.011415	6.576974	4.09E-06	6.44E-05	3.889654	8.243522	8.28726	8.278519	8.658661	8.69584	8.60769	8.706029	8.702927	8.776299	7.335154	7.376272	7.350149	7.332563	7.299704	7.206045	7.829265	7.818961	7.813582
AKT2	ENSG0000	0.638472	6.790191	9.889054	1.40E-08	8.50E-07	9.786302	5.781799	5.76358	5.872121	6.510332	6.568199	6.58612	6.741204	6.562162	6.688357	6.962099	6.990071	7.044656	7.40243	7.32491	7.258783	7.484635	7.462278	7.480706
PLD3	ENSG0000	0.060242	7.14836	1.265983	0.222134	0.331881	-6.69229	6.838076	6.745819	6.805619	7.270507	7.434399	7.296512	6.846586	6.632777	6.860262	7.079075	7.063461	7.189628	7.759349	7.693193	7.652066	7.260029	7.287569	7.14873
PRX	ENSG0000	-0.25084	1.46848	-1.25286	0.22676	0.337134	-5.5929	2.051128	2.206444	2.166567	1.256461	1.373859	1.757653	1.762502	1.945386	1.564539	2.100009	1.899254	2.088428	2.439743	2.326537	2.121111	2.173627	1.930959	1.739782
PIAS4	ENSG0000	-0.30552	4.383514	-3.61148	0.002075	0.00832	-1.94731	5.015692	5.073976	5.214556	4.479932	4.558804	4.447604	4.8959	4.497055	4.620106	4.192583	4.265255	4.431472	3.937609	4.148793	3.996621	4.185243	4.227036	4.014786
NUMBL	ENSG0000	-0.40708	4.636188	-5.83669	1.77E-05	0.000198	2.757125	4.579773	4.589672	4.804386	4.759555	4.877535	4.656929	4.034706	3.967564	4.122646	4.886838	4.942447	4.994418	5.158554	5.104334	5.036727	4.727016	4.729324	4.567359
YJU2	ENSG0000	0.075075	4.07208	0.732292	0.473697	0.593105	-6.7431	4.165822	4.006672	4.301326	3.77864	3.901574	3.643939	4.164604	4.060466	4.322386	4.161861	4.122698	4.213027	4.424329	4.450973	4.355551	4.345124	4.343431	4.101878
TBCB	ENSG0000	-0.11971	6.211438	-1.66462	0.113812	0.197518	-6.02184	6.831615	6.798094	6.80223	6.686114	6.780371	6.607034	6.426359	6.531837	6.456933	5.694953	5.70649	5.883102	5.753885	5.83786	5.77648	5.976476	5.857862	5.776299
FSD1	ENSG0000	-0.07679	1.237575	-0.34854	0.731595	0.810272	-6.302	1.18244	1.226787	1.406977	1.519216	1.666451	2.029614	0.548589	0.824004	0.833554	2.392392	2.267764	2.25768	2.491955	2.433888	2.559363	2.448672	2.552239	2.610232
POLR2I	ENSG0000	-0.1253	5.105717	-1.7195	0.103181	0.18306	-5.76988	5.71081	5.720428	5.681107	5.20443	5.411586	5.195807	5.535185	5.388507	5.537947	4.914746	4.742447	4.98129	4.739835	4.722029	4.663983	5.062316	4.676269	4.810842
ZFR2	ENSG0000	0.216543	-1.01349	1.806846	0.088033	0.161454	-4.85339	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.14259	2.469748	2.473063	2.67247	2.756951	2.675503	2.448672	2.770449	2.277588
SLC1A5	ENSG0000	0.176283	8.215798	3.799819	0.001372	0.006021	-2.05213	8.448857	8.431195	8.480773	7.868778	7.964469	7.842089	8.789371	8.731855	8.749355	8.34437	8.233295	8.375171	7.615258	7.485854	7.499887	8.385877	8.367819	8.36412
PRKD2	ENSG0000	0.258053	4.722225	2.009364	0.060198	0.12022	-5.33909	3.361722	3.428416	3.454879	4.245952	4.13	4.096805	3.094248	2.894433	3.389938	5.89345	5.742688	5.97758	6.020359	6.012542	5.980777	6.266802	6.32359	6.134035
TJP3	ENSG0000	-0.59116	3.536478	-2.85354	0.010774	0.030838	-3.59795	3.325391	3.382531	3.075109	1.393812	2.078331	1.757653	1.459147	1.367163	1.50602	5.309864	5.283572	5.435695	6.02147	5.904702	5.882997	5.087664	4.965609	4.902646
APLP1	ENSG0000	0.61421	3.230166	1.60619	0.126147	0.214073	-5.30001	3.84498	3.829904	4.034833	6.171319	6.422921	6.206137	4.504297	4.533523	4.45204	1.676063	2.074736	1.969371	1.99126	1.846087	2.161508	2.26534	2.101639	2.442395
CACTIN	ENSG0000	0.112769	4.67879	1.494157	0.152969	0.248318	-6.04696	4.271448	4.548709	4.647003	4.681208	4.836932	4.639633	4.504297	4.467202	4.626988	4.703453	4.821501	4.95243	4.931624	4.866361	4.860827	5.064871	5.042491	4.789136
CCDC9	ENSG0000	-0.06533	4.426844	-1.08913	0.290888	0.409277	-6.5245	4.145127	4.108838	4.050156	4.254996	4.158524	4.018682	4.011872	4.050434	3.746538	4.835851	4.872886	5.066635	4.968945	4.971068	4.952895	4.953468	4.843731	4.950363
HNRNPUL1	ENSG0000	0.145129	7.96581	4.377669	0.000387	0.002194	-0.77371	7.65035	7.686999	7.687915	7.35179	7.432454	7.364766	7.815305	7.750298	7.907544	8.339231	8.290547	8.377261	8.168672	8.132264	8.109511	8.491019	8.49855	8.440947
FZR1	ENSG0000	0.089536	5.386585	1.314498	0.205668	0.31183	-6.43927	5.034569	5.041126	5.22134	4.714371	5.075006	5.041937	5.248226	5.219733	5.155586	5.636563	5.686355	5.725385	5.927438	5.831329	5.773225	5.805224	5.805882	5.668679
BBC3	ENSG0000	-0.80898	2.955952	-2.21944	0.039953	0.086944	-4.32851	4.232739	4.446492	4.37619	3.142765	3.47236	3.432575	3.602068	3.506713	3.641718	2.204194	2.469748	2.627101	3.456014	3.357127	3.540876	2.095813	1.851139	1.665483
TGFB1	ENSG0000	1.439268	5.060628	8.958406	6.02E-08	2.54E-06	8.531867	4.302931	4.527784	4.429894	6.732178	6.722639	6.557242	6.124988	6.058125	6.245172	3.666603	3.830249	3.968865	4.973543	4.9104	4.814076	4.752597	4.805418	4.651565
DENND3	ENSG0000	-0.34963	5.054349	-1.24968	0.227891	0.338448	-6.27036	6.44671	6.416447	6.469031	6.069909	6.051781	6.040305	6.068018	6.119389	6.119063	3.77884	3.830249	3.596598	4.978126	4.997558	4.989822	3.423579	3.2466	3.477085
DMAC2	ENSG0000	0.042969	5.643966	0.886095	0.387596	0.509274	-6.92368	5.528401	5.587707	5.369174	5.580401	5.732536	5.587238	5.609312	5.514266	5.680369	5.785068	5.76526	5.81197	5.760552	5.743628	5.731905	5.845901	5.748292	5.742817
PLIN3	ENSG0000	-0.47806	6.765618	-3.60123	0.002123	0.008459	-2.3342	7.975013	7.897394	7.983609	7.058302	7.241232	7.000501	7.096287	7.051461	7.085539	6.157584	6.117	6.273409	6.217367	6.211726	6.233798	6.219429	6.189378	6.043431
MYH14	ENSG0000	-0.51829	5.913845	-2.9059	0.009634	0.028234	-3.77387	4.992709	4.715296	5.071705	4.448742	4.614773	4.473866	4.302704	4.405576	4.270596	7.033133	7.088609	7.139297	8.280742	8.171571	8.151171	6.702994	6.768586	6.485333
MRPL4	ENSG0000	-0.19993	6.045103	-2.47434	0.02386	0.057884	-4.61489	6.553964	6.532605	6.670856	5.924447	6.079394	5.90932	6.217704	6.124179	6.344535	5.955969	5.856683	5.965409	5.84578	5.865289	5.760131	6.004695	5.871412	5.740557
RPS19	ENSG0000	-0.01761	9.33545	-0.42996	0.672477	0.764159	-7.55822	9.64914	9.568357	9.603785	9.533706	9.649858	9.446973	9.53756	9.587709	9.545378	9.256867	9.107888	9.117824	8.964755	9.009165	8.979716	9.153405	9.155655	9.212591
NOP53	ENSG0000	-0.18745	7.137091	-1.4925	0.153399	0.248846	-6.39021	7.238905	7.31263	7.360051	7.150845	7.285011	7.047161	7.003844	7.055228	7.047576	6.742647	6.928547	7.1309	7.613418	7.666843	7.596978	6.966824	6.905782	6.608179
ICAM5	ENSG0000	0.283775	1.554102	1.085207	0.292572	0.4112	-5.93419	1.12723	1.277811	1.921989	0.934951	0.730585	1.123626	1.648695	1.710758	1.564539	2.37464	2.500824	2.286428	3.488503	3.503965	3.494191	2.666185	2.649824	2.464474
ETFB	ENSG0000	0.160327	5.009279	2.381096	0.028871	0.067169	-4.63928	5.023273	5.055819	5.11242	4.921675	5.162106	4.956049	5.043928	5.043815	5.087374	5.063439	4.973242	5.064562	4.761267	4.92887	4.885155	5.375946	5.227729	5.305663
CEACAM5	ENSG0000	-0.62455	4.577182	-2.46697	0.024224	0.058549	-4.56758	2.744313	2.513665	2.916938	3.487804	3.683372	3.643939	1.588238	1.001115	1.727075	7.751801	7.70834	7.767698	5.910753	5.933952	5.861701	7.094847	7.228906	7.224271
BABAM1	ENSG0000	-0.36967	3.963026	-4.46878	0.000317	0.001874	-0.04136	4.296689	4.14364	4.02711	3.80351	3.643567	3.666886	3.440463	3.672864	3.771595	4.391063	4.369954	4.392334	4.287006	4.372183	4.381435	4.293774	4.047684	4.037057
TYK2	ENSG0000	0.025039	5.230652	0.382221	0.706905	0.791482	-7.18858	4.884496	4.809337	4.917323	5.072529	5.089893	5.015363	5.198536	5.063901	5.243285	5.462622	5.572124	5.55716	5.623918	5.591562	5.61495	5.430457	5.370553	5.350812
CDC37	ENSG0000	-0.33063	7.476365	-3.65543	0.001884	0.007721	-2.31449	7.786315	7.78615	7.915694	6.958031	7.126795	7.079588	7.271123	7.184693	7.289046	7.668195	7.623964	7.698859	7.581018	7.592038	7.50382	7.610199	7.584038	7.467785
NAPA	ENSG0000	0.081562	5.00061	1.035248	0.314665	0.434196	-6.65395	4.758449	4.817982	4.781616	5.082724	5.355198	5.2875	5.071794	4.860754	5.005251	5.195703	4.916753	5.143288	5.140267	5.10974	5.076884	5.012893	5.176796	5.048636
RABAC1	ENSG0000	0.436954	4.971215	5.602811	2.86E-05	0.000286	2.2785	4.71698	4.999934	4.913139	6.0017	6.039053	5.90932	5.228555	5.136826	5.363523	4.060019	4.040487	4.32811	5.306202	5.185942	5.339289	4.730238	4.718118	4.382594
ATP1A3	ENSG0000	-0.05739	-0.00868	-0.19341	0.848865	0.898379	-5.96002	1.719036	1.591918	1.406977	1.578054	1.718467	1.669505	1.160105	1.658879	1.727075	0.834246	0.695454	0.921995	0.407676	0.345231	0.404558	0.63264	0.816175	0.999041
MEIS3	ENSG0000	0.267829	2.385536	1.037834	0.313493	0.433167	-5.86005	3.361722	3.323044	3.217639	3.863871	3.722109	3.608819	3.277716	2.938616	3.124172	1.028404	1.435603	1.439812	2.88263	2.714997	2.795875	2.154563	2.146913	1.739782
PTPRS	ENSG0000	0.086642	5.583384	0.631586	0.535831	0.648199	-7.04677	5.954295	5.975457	6.110041	6.100335	6.161547	6.059941	5.985453	5.929932	5.967373	4.748949	4.696209	4.878827	5.830653	5.884342	5.784586	5.102661	4.981317	4.946447
CNFN	ENSG0000	-0.47114	1.414097	-1.85032	0.081247	0.152224	-4.6832	1.861169	2.308123	2.109199	2.143217	1.953662	1.575618	1.588238	1.901414	1.727075	1.423238	1.827525	2.104662	2.542344	2.398985	2.365487	1.419885	1.82352	1.222783
MEGF8	ENSG0000	0.339581	5.689632	2.628048	0.017347	0.044931	-4.23517	5.049495	5.055819	5.144898	6.464286	6.616977	6.496091	5.519082	5.360361	5.455304	5.419984	5.491258	5.478369	6.107656	5.992195	6.033424	5.842927	5.768349	5.659138
KDELR1	ENSG0000	0.109849	7.907331	2.02	0.058983	0.118191	-5.62786	8.040446	8.027008	8.094462	8.207251	8.283265	8.103574	8.136183	8.120626	8.112047	7.700174	7.602188	7.769927	7.580641	7.564248	7.590982	7.868182	7.85052	7.793555
CYTH2	ENSG0000	-0.29403	5.372587	-5.70432	2.32E-05	0.000242	2.368802	5.263039	5.221361	5.183625	5.483695	5.654575	5.547605	4.926746	4.992342	4.91817	5.610256	5.553718	5.590683	5.84578	5.697694	6.005955	5.308556	5.297147	5.259054
GRWD1	ENSG0000	-0.01965	6.941707	-0.43174	0.671206	0.763385	-7.40724	6.838076	6.852753	6.872872	6.292659	6.56997	6.413699	6.815607	6.708095	6.86609	7.30149	7.250496	7.45754	7.012819	6.944829	6.930942	7.37567	7.374001	7.296052
GRIN2D	ENSG0000	0.765916	3.297034	7.277376	1.10E-06	2.30E-05	5.611543	1.430644	1.277811	1.499186	2.325974	2.787348	2.402038	1.816207	1.430416	1.777424	4.637991	4.824575	4.89991	5.626839	5.491566	5.501506	5.628249	5.633692	5.425873

CLEC11A	ENSG0000	0.583859	3.463737	2.022352	0.058718	0.117758	-4.8071	3.643304	3.461896	3.906009	4.333937	4.43213	4.337497	5.136557	4.741115	4.989319	2.881509	2.969234	3.276636	3.318207	3.109775	3.137101	2.819293	2.568968	2.06284
CARD8	ENSG0000	0.192661	4.285723	3.07014	0.006767	0.021384	-3.08748	4.393455	4.262405	4.255791	4.43289	4.416469	4.440963	4.659269	4.526303	4.420702	4.192583	4.260723	4.046548	4.470601	4.476309	4.311352	4.340914	4.273707	4.311289
LIG1	ENSG0000	-0.11551	5.410028	-0.72739	0.47662	0.595743	-6.99257	6.155679	6.037841	6.18657	5.772136	5.899563	5.870309	6.15656	6.053109	6.038775	5.387157	5.444072	5.478369	3.988472	4.067774	3.856005	5.14915	5.326959	5.246367
ZNF175	ENSG0000	0.216064	3.114707	2.294259	0.034407	0.077249	-4.38008	2.744313	2.870177	2.621113	2.955742	2.991399	3.168853	3.137083	3.122225	2.915195	3.17611	3.455132	3.470739	3.970183	3.903166	4.056758	3.470581	3.529023	3.55117
PLA2G4C	ENSG0000	-0.46414	2.138023	-1.50498	0.150185	0.244943	-5.28865	3.562366	3.439663	3.466347	2.714828	2.686486	2.94309	2.884002	2.777669	2.723053	1.239286	2.032826	1.759838	2.67247	2.148862	2.633039	1.833493	1.613793	1.58715
RAB3D	ENSG0000	0.77405	3.593666	5.243856	6.04E-05	0.000508	1.760723	3.300651	3.235413	3.24453	4.569652	4.688349	4.512384	3.928981	4.166444	3.935772	3.091698	3.126946	3.141546	3.513977	3.738425	3.486261	3.824254	3.757829	3.68882
DBP	ENSG0000	-0.08311	2.603939	-0.46742	0.645974	0.743424	-6.56433	2.165157	2.308123	2.492412	2.103714	2.549605	2.22781	2.144798	1.901414	2.376228	3.123934	2.829342	3.373604	4.068019	4.250194	4.247105	3.200096	2.985098	3.093712
TMEM205	ENSG0000	0.188753	5.430061	2.620201	0.017634	0.045541	-4.17904	5.907956	6.022963	6.056036	6.220625	6.225857	6.284269	6.335028	6.267473	6.413815	4.75239	4.84591	4.823505	4.667899	4.660731	4.610269	4.752597	4.83684	4.75819
CAPS	ENSG0000	0.365947	1.853988	2.962751	0.008528	0.025642	-2.92537	0.947665	0.8079	1.585853	1.519216	1.909591	1.526279	0.983587	1.15884	0.925731	2.918737	2.841532	2.87437	4.249584	4.225504	4.20424	3.16242	3.347011	3.340497
PLPPR2	ENSG0000	0.956211	4.548879	5.648846	2.60E-05	0.000263	2.46768	4.206344	4.080378	4.382257	5.918767	5.882565	5.796796	5.601686	5.546744	5.667077	3.528929	3.68898	3.93295	4.31626	4.312477	4.324754	4.005409	4.100421	3.889829
FAM83E	ENSG0000	0.173026	0.363871	0.665053	0.514697	0.62958	-6.03062	0.587539	0.8079	1.146821	1.022291	0.389229	0.563119	0.269385	0.824004	0.629397	1.646779	1.8028	1.60868	2.439743	2.549802	2.399663	2.034568	2.006592	1.942153
BCAT2	ENSG0000	0.215963	4.971534	2.703699	0.014801	0.039648	-4.01748	4.721647	4.47956	4.763138	4.517996	4.745876	4.568299	4.80585	4.664259	4.819498	5.141621	5.043519	5.153077	5.551958	5.603108	5.629423	5.452087	5.302159	5.394592
MIER2	ENSG0000	-0.17723	5.007885	-2.24738	0.037791	0.083157	-4.85117	5.259834	5.384472	5.530827	5.312338	5.557954	5.377194	5.223595	5.093515	5.169792	4.92393	4.839847	5.01818	4.653644	4.596713	4.635585	4.832737	4.860815	4.712796
PLEKHA4	ENSG0000	0.414171	1.457356	1.400751	0.178793	0.280041	-5.44553	0.814199	1.277811	1.146821	1.688986	1.953662	2.029614	1.648695	2.069791	2.274723	2.18395	2.546219	2.883807	1.597456	2.016959	1.801384	2.464239	2.447571	2.442395
PPP2R1A	ENSG0000	0.097113	8.465507	2.958925	0.008599	0.025775	-3.87077	8.206129	8.15278	8.160373	8.218275	8.277858	8.219183	8.273905	8.197641	8.270403	8.637176	8.562499	8.637705	8.847539	8.798917	8.809823	8.769987	8.733026	8.6829
TNPO2	ENSG0000	-0.17921	6.585398	-4.83748	0.000143	0.001003	0.350141	6.686388	6.60182	6.735078	6.320926	6.424879	6.372415	6.532447	6.574465	6.52298	6.899075	6.882095	6.901587	6.495101	6.396703	6.442863	6.711172	6.644843	6.672425
WDR83OS	ENSG0000	0.008663	5.465686	0.181123	0.858355	0.904792	-7.26622	5.379837	5.430295	5.420189	5.730596	5.687572	5.602196	5.597858	5.372491	5.408147	5.46891	5.452044	5.489229	5.506677	5.57015	5.530714	5.41852	5.504857	5.414576
GCDH	ENSG0000	0.154518	2.927339	1.802087	0.088805	0.162452	-5.12474	2.884092	2.950996	3.090013	3.325575	3.394558	3.247073	3.027514	3.178579	2.959482	2.918737	2.991286	2.920951	3.449427	3.292034	3.053703	3.073871	3.093137	3.176297
DNASE2	ENSG0000	0.062506	5.644069	0.890592	0.385244	0.507072	-6.88465	5.708461	5.546688	5.633581	6.268301	6.152121	6.190386	5.740105	5.689327	5.809985	5.516232	5.316696	5.46271	5.619524	5.637204	5.542234	5.488702	5.467424	5.344873
MAST1	ENSG0000	0.473955	0.843089	2.433326	0.025954	0.061806	-3.66487	1.336422	0.875715	1.028027	0.934951	1.307481	1.123626	1.160105	1.15884	1.564539	1.490718	1.498542	1.60868	2.225168	2.50126	2.294605	2.075685	1.82352	1.703111
LENG1	ENSG0000	0.33259	3.196978	4.660028	0.000209	0.001346	0.540177	2.933205	3.027527	3.044832	3.20008	3.362223	3.26222	3.258446	3.214961	3.357206	3.303547	3.204502	3.240362	3.840269	3.659519	3.78667	3.545669	3.644015	3.477085
PRPF31	ENSG0000	-0.30637	6.229272	-4.16664	0.000613	0.003152	-1.08921	6.304638	6.302485	6.35026	5.506594	5.620805	5.562977	5.913358	5.783182	5.880784	6.706737	6.623457	6.839893	6.537639	6.520605	6.42845	6.544523	6.586473	6.483982
TFPT	ENSG0000	-0.20689	4.018077	-1.94942	0.067477	0.131331	-5.27447	3.895419	3.786518	3.931056	3.123142	3.278066	3.051692	3.676552	3.351955	3.759121	4.696324	4.641483	4.850228	4.726277	4.907298	4.688381	4.581158	4.633169	4.515429
JAK3	ENSG0000	-0.63119	1.384828	-3.32794	0.003864	0.013713	-1.99728	2.021155	1.81559	2.079636	1.393812	1.307481	1.526279	1.074544	1.15884	1.244857	2.47802	2.032826	2.272125	2.591031	2.581279	2.647333	1.833493	1.981819	2.174206
RPL18A	ENSG0000	0.017023	8.833144	0.466274	0.646778	0.744044	-7.50946	9.127944	9.136722	9.159423	8.95211	9.039159	8.888055	9.164487	9.089944	9.12208	8.65934	8.522362	8.591296	8.54854	8.589459	8.542948	8.598304	8.672873	8.651367
ARRDC2	ENSG0000	0.137826	5.910226	1.98664	0.06287	0.124223	-5.39285	6.710065	6.647398	6.772513	7.064746	7.137581	7.088114	7.015369	6.985861	6.97662	4.864753	4.80914	4.842989	5.286012	5.246098	5.250784	4.752597	4.829917	4.665927
RAB3A	ENSG0000	0.447262	1.549911	1.426545	0.17133	0.271049	-5.3995	1.384302	1.277811	1.088647	2.325974	2.57804	2.22781	1.459147	1.901414	1.620777	2.574485	2.267764	2.34226	2.044674	1.871771	1.51998	2.597261	2.741225	2.549558
ISYNA1	ENSG0000	0.38604	3.019554	4.357601	0.000404	0.002274	-0.42559	1.069823	1.277811	1.256574	1.022291	1.087782	0.984419	1.966276	1.658879	1.445026	5.14686	5.245089	5.37006	5.887795	5.86369	5.810222	5.638576	5.651473	5.528997
ELL	ENSG0000	0.145273	4.079341	2.285523	0.035016	0.078319	-4.66946	4.02189	3.704977	3.971859	3.425084	3.616407	3.655458	4.164604	4.080322	4.103038	4.517783	4.463628	4.527922	4.319876	4.367677	4.293286	4.687772	4.605057	4.494122
CRTC1	ENSG0000	0.090561	4.3142	1.288921	0.214225	0.322524	-6.15877	4.239263	4.354415	4.504099	5.009799	4.97698	4.913508	4.6445	4.459641	4.322386	3.825326	4.040487	4.021115	4.647902	4.433832	4.539229	4.108069	4.011424	3.961444
COPE	ENSG0000	0.045059	5.891882	0.806333	0.430886	0.552147	-7.0198	5.912046	5.846194	5.927103	5.988204	6.207773	5.926062	5.967764	5.771015	5.860491	5.783387	5.840072	5.911063	5.914344	5.826412	5.980777	6.01794	5.917862	5.904981
DDX49	ENSG0000	-0.41395	5.903585	-6.78036	2.77E-06	4.81E-05	4.444583	5.934331	6.165255	6.059826	5.598277	5.600158	5.562977	5.531176	5.45466	5.392079	6.292517	6.242964	6.405405	6.146858	6.124944	6.09599	6.13076	6.01263	5.96816
ARMC6	ENSG0000	-0.18704	5.464179	-2.79808	0.012123	0.033947	-3.90939	5.539016	5.512479	5.525355	5.077635	5.194607	5.015363	5.473848	5.122533	5.238799	5.744175	5.726347	5.827947	5.756555	5.593492	5.72012	5.684156	5.686391	5.526375
TMEM147	ENSG0000	-0.01263	6.736959	-0.22221	0.826728	0.881435	-7.41654	7.094355	7.133768	7.16711	7.394362	7.315941	7.299269	7.056395	6.996351	7.000662	6.322921	6.201003	6.361328	6.353236	6.36201	6.316627	6.459699	6.344388	6.348078
TMEM59L	ENSG0000	0.55438	3.234821	1.156542	0.263023	0.378942	-5.97946	2.320899	2.332462	2.492412	5.350809	5.529116	5.421721	2.637802	2.290412	2.560038	2.804042	2.829342	3.125724	3.799417	3.68147	3.525482	3.630901	3.476789	3.753014
USF2	ENSG0000	-0.12176	6.100067	-2.54282	0.020715	0.051689	-4.50521	6.171116	6.250746	6.255944	5.878371	5.946666	5.947304	6.202659	6.043026	6.143263	6.235875	6.281503	6.476521	5.908353	5.889066	5.985004	6.280056	6.166201	6.130587
LSR	ENSG0000	0.272047	5.13473	3.042604	0.007181	0.022318	-3.50554	2.137484	2.61635	1.954926	2.791417	3.170134	2.581827	1.917967	1.760835	1.674905	8.068152	8.046826	8.254865	8.496776	8.459715	8.484686	8.494102	8.506714	8.342675
KXD1	ENSG0000	-0.045	6.256856	-1.10176	0.285509	0.403144	-6.77527	6.629166	6.544374	6.608825	6.523489	6.566426	6.51202	6.577851	6.401762	6.61411	5.98989	5.941242	6.047478	6.045689	6.026902	6.045617	5.957352	6.01263	5.934941
FKBP8	ENSG0000	0.136484	7.312657	2.240314	0.038328	0.084075	-5.18525	7.314222	7.328599	7.423938	7.676871	7.823139	7.597553	7.347203	7.309811	7.354772	6.931311	6.936383	7.068129	7.384846	7.277055	7.259365	7.306108	7.309512	7.149582
SUGP1	ENSG0000	-0.11708	5.268933	-1.46883	0.159648	0.256817	-6.21521	5.429176	5.337144	5.429007	4.857809	4.635214	4.72957	5.228555	5.241941	5.229787	5.548259	5.495122	5.592123	5.503501	5.432385	5.426825	5.42251	5.554003	5.448204
HPN	ENSG0000	0.798829	-0.36441	2.921714	0.009313	0.027488	-2.80736	0.106501	0.215206	0.106501	0.106501	0.25478	0.2349	0.269385	0.509405	0.256032	1.840286	1.875739	1.915176	3.658044	3.710228	3.707028	2.192442	2.649824	2.252429
ZNF14	ENSG0000	-0.11872	2.978766	-0.9965	0.332602	0.452892	-6.21907	3.210562	3.209365	3.489013	2.688367	3.260629	2.865864	2.884002	3.178579	2.937508	3.134522	3.086546	3.297971	3.346841	3.462307	3.177059	3.094024	3.236163	3.291935
SCN1B	ENSG0000	0.066417	1.898568	0.309222	0.760808	0.832401	-6.20183	2.589523	2.534795	2.600444	4.359318	4.470555	4.420855	2.724622	2.596487	2.82232	1.388276	1.190799	1.219002	1.99126	1.871771	2.141451	0.789161	1.547811	1.273688
PBX4	ENSG0000	-0.76618	-0.19335	-2.00267	0.060975	0.121344	-4.26034	1.791852	1.465573	1.921989	0.395333	0.512209	0.657796	0.886508	0.622068	0.39151	1.315703	0.986408	0.884879	0.982856	0.7293	1.002253	1.017342	1.289746	1.115245
ERF	ENSG0000	0.004935	5.795637	0.069222	0.945599	0.964561	-7.33449	6.010678	5.996553	6.196933	5.815573	5.932971	5.892383	6.045709	5.807211	6.076967	5.417818	5.667648	5.766779	5.732343	5.67599	5.640184	5.779011	5.770158	5.580449
GSK3A	ENSG0000	-0.05144	6.114599	-1.1733	0.256418	0.371305	-6.71075	6.196482	6.088736	6.177877	5.697807	5.907988	5.832753	6.048517	5.986272	6.02321	6.30194	6.348167	6.423313	6.102418	6.015426	6.180736	6.371641	6.360093	6.387612
ATP13A1	ENSG0000	0.130156	6.543909	1.642407	0.118374	0.203821	-6.10688	6.266821	6.311696	6.471878	7.05701	7.198373	6.990303	6.635005	6.58319	6.610642	6.30194	6.333137	6.457686	6.658924	6.505302	6.58516	6.426311	6.403878	6.284342
ZNF574	ENSG0000	-0.16154	4.925199	-3.21139	0.004981	0.016829	-2.96533	5.019487	4.984658	5.045184	4.576883	4.600983	4.55606	4.825625	4.715948	4.73921	5.319175	5.181778	5.409798	5.027605	4.968095	4.935528	5.280253	5.211838	5.137206
SIPA1L3	ENSG0000	-0.10184	5.091371	-1.60422	0.126582	0.214632	-5.99901	4.09565	4.094678	4.351665	4.43289	4.789085	4.696497	4.143751	3.833587	4.132351	5.745902	5.818649	5.808257	6.562268	6.460513	6.49022	5.797564	5.726088	5.600528
ZNF85	ENSG0000	-0.02518	-0.24097	-0.21096	0.835358	0.887514	-6.71968	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.87036	3.884278	3.647349	2.986372	3.243672	3.19663	3.737235	3.698248	3.753014
ETHE1	ENSG0000	0.160259	4.418775	1.955692	0.066681	0.130189	-5.17991	5.008072	5.073976	5.029808	4.999073	5.157403	5.102104	5.286782	5.164994	5.238799	3.666603	3.754913	3.696374	4.163669	4.154036	3.979775	3.889124	3.779553	3.753014
CADM4	ENSG0000	0.308001	3.656272	2.198217	0.041669	0.089918	-4.55762	4.044416	3.888531	3.576275	4.790984	4.900234	4.610338	4.520565	4.299455	4.3476	3.17611	3.106888	3.247691	3.53901	3.282491	3.335521	3.073871	3.081525	3.241681
SMG9	ENSG0000	-0.30521	5.50781	-3.84792	0.001234	0.005545	-1.65087	6.27001	6.195425	6.250979	5.436777	5.637789	5.35617	5.997126	5.929932	6.061811	5.435051	5.310132	5.527363	5.123815	5.043483	4.95577	5.08263	5.123998	5.01537
AVL9	ENSG0000	0.048773	7.214301	0.72999	0.475068	0.594168	-7.21492	7.723719	7.720236	7.719407	7.630715	7.542061	7.590819	7.874252	7.934755	7.884758	6.712048	6.768574	6.652465	6.800863	6.806847	6.812261	6.594891	6.599763	6.681879
CFAP69	ENSG0000	-0.36075	0.103185	-1.31525	0.205419	0.311521	-5.22581	0.882475	1.226787	1.028027	1.022291	1.087782	1.188496	0.415731	0.622068	0.39151	0.834246	1.228418	1.126631	2.129525	1.871771	1.970087	1.320757	1.16325	1.058313
GTPBP10	ENSG0000	-0.23087	4.572999	-2.46843	0.024152	0.058393	-4.39561	5.004246	4.945746	4.781616	4.092964	4.120365	4.271657	4.709802	4.603806	4.819498	4.826087	4.80914	4.821051	4.633447	4.746531	4.472558	4.661004	4.455636	4.661156
CDK6	ENSG0000	-0.08061	7.625371	-0.92028	0.369954	0.491765	-7.0739	8.760572	8.777374	8.868041	8.287121	8.179221	8.310814	8.968295	8.920949	8.945143	6.902951	6.957538	6.739507	6.446316	6.38002	6.45916	6.51119	6.475502	6.542236
PMPCB	ENSG0000	-0.19295	6.533967	-2.4981	0.022721	0.055662	-4.61333	7.162874	7.146693	7.027963	6.773673	6.708239	6.815216	7.002396	6.953928	6.873342	6.161471	6.238361	6.19313	6.280885	6.311289	6.303148	6.103682	5.888174	5.96816
DNAJC2	ENSG0000	0.1421	6.03923	2.774448	0.012746	0.035361	-4.02375	5.806172	5.83559	5.997956	6.077576	6.133083	6.287974	6.132946	6.114582	6.091965	6.044242	6.033125	6.045377	6.095052	6.038288	6.073672	6.120972	6.111581	6.072473
TFPI2	ENSG0000	0.112234	6.699325	0.425639	0.675566	0.766761	-7.06613	10.03367	9.99433	10.00761	8.672649	8.597266	8.626834	10.45051	10.29539	10.35605	4.192583	4.107636	4.37236	3.830164	3.813238	3.892464	3.245848	3.72088	3.410407
BET1	ENSG0000	0.139255	4.635822	1.848039	0.081591	0.152767	-5.44542	5.285277	5.237561	5.180147	5.009799	4.831037	5.033133	5.338168	5.331655	5.392079	4.087524	4.171799	4.104202	4.118714	4.312477	4.320301	4.298124	4.25315	4.268007
NAMPT	ENSG0000	0.175319	8.68609	1.956787	0.066542	0.129957	-5.76129	9.465014	9.518347	9.490055	9.777373	9.743449	9.741434	9.911528	10.00105	9.89629	7.799984	7.784111	7.80977	7.402856	7.56769	7.572375	7.5371	7.684851	7.73004
POLR1F	ENSG0000	-0.35449	6.407977	-3.45613	0.002919	0.010991	-2.60685	7.853768	7.895354	7.855368	6.583952	6.51404	6.60555	7.220985	7.37758	7.320162	5.849142	5.818649	5.765503	5.324314	5.29912	5.283183	5.710502	5.699745	5.745073
PON3	ENSG0000	-0.1072	2.668742	-0.7007	0.492716	0.610134	-6.40712	1.959273	1.883052	1.888281	3.181227	3.151334	3.216292	1.966276	2.147141	1.727075	3.446357	3.517242	3.254982	3.870167	3.933972	3.713835	3.307556	3.193646	3.215882
PON2	ENSG0000	-0.12574	7.694056	-2.44334	0.025428	0.060797	-4.83611	7.591651	7.654186	7.598242	8.108423	7.989824	8.00965	7.58525	7.720555	7.523757	7.704621	7.699577	7.63288	7.753011	7.890632	7.836078	7.470734	7.431163	7.423387
ITGB8	ENSG0000	-0.2968	6.411563	-5.20193	6.59E-05	0.000545	1.202413	6.880429	6.933532	6.989732	7.171291	7.082823	7.149482	6.417699	6.607341	6.517435	5.93946	5.999521	5.816905	6.27717	6.288824	6.400242	5.669122	5.826899	5.774091
HBP1	ENSG0000	0.497734	4.423214	3.683848	0.00177	0.007336	-1.7869	3.041689	3.568199	3.148134	4.778495	4.84865	4.745826	4.154215	4.247712	4.3476	4.19764	4.423646	4.171248	5.955599	5.974523	5.970866	4.438712	4.521577	4.510131
DUS4L	ENSG0000	0.036268	3.423242	0.311751	0.758918	0.831418	-6.75755	3.572735	3.944869	3.828148	3.51817	3.502343	3.584921	3.440463	3.749274	3.586306	3.50465	3.26005	3.133657	3.669424	3.644697	3.65138	3.560228	3.413359	3.466183
SP4	ENSG0000	0.089079	2.670717	0.843473	0.41036	0.532067	-6.32325	2.27083	2.206444	2.079636	2.766336	2.811499	2.805104	2.186178	2.540248	2.274723	3.265521	3.223257	3.406715	3.436163	3.599295	3.326666	3.298901	3.256961	3.498643
WDR91	ENSG0000	-0.14306	3.443564	-1.74461	0.098611	0.176913	-5.37586	3.633432	3.273623	3.443319	3.325575	3.630051	3.655458	3.315502	3.141256	3.614278	3.730807	3.70241	3.829308	3.762697	3.738425	3.773698	3.623987	3.659719	3.509302
DNAH11	ENSG0000	-0.33974	1.608456	-0.84882	0.407455	0.529457	-6.26683	2.392887	2.258179	2.166567	0.841981	0.828511	0.909432	0.269385	0.253663	0.106501	3.666603	3.936355	3.439082	3.870167	3.806595	3.679472	3.818209	4.059571	3.914098
CBLL1	ENSG0000	0.13062	5.691573	1.44984	0.164811	0.262955	-6.2917	5.85584	5.718121	5.760107	5.591153	5.33034	5.359696	6.020192	5.965067	5.926124	5.685984	5.625972	5.577658	5.816647	5.760913	5.833849	5.679162	5.724222	5.736026
MTPN	ENSG0000	0.204872	7.906223	3.538837	0.002434	0.009494	-2.58189	7.92176	7.96463	7.932329	8.299194	8.31687	8.318533	8.336695	8.311749	8.338013	7.620977	7.645416	7.612448	7.594513	7.594933	7.676229	7.6362	7.668935	7.637114
STEAP1B	ENSG0000	0.16367	-0.18135	0.503018	0.621231	0.721595	-5.76543	2.649532	2.748839	2.621113	2.766336	2.926537	2.675323	2.779728	2.801791	2.892531	0.190076	0.330605	0.397516	0.294634	0.190544	0.106501	0.257084	0.2791	0.315289
MPP6	ENSG0000	0.331305	4.018924	2.448819	0.025144	0.060239	-4.19953	4.495082	4.55906	4.388298	5.218368	4.933626	4.927828	4.751751	4.68386	4.6676	3.275122	3.356645	3.513924	3.221013	3.436722	3.299771	3.883346	3.786722	3.734962
GSDME	ENSG0000	0.132906	2.931769	0.924338	0.367897	0.48967	-6.13697	3.509372	3.382531	3.443319	4.263984	4.368438	4.467345	3.33403	3.578282	3.557782	2.356666	2.469748	2.25768	2.626498	2.565626	2.689384	2.479639	2.585506	2.549558
ATP6V0A4	ENSG0000	-0.05469	0.756112	-0.28002	0.782747	0.848001	-6.1254	1.475543	1.670392	1.499186	1.022291	1.612488	1.310092	1.317361	1.491012	1.564539	1.315703	1.265082	1.439812	1.818016	1.766169	1.550722	1.286141	1.478665	1.273688
ZC3HAV1	ENSG0000	0.334039	7.414822	1.738056	0.099786	0.178442	-6.06383	7.198464	7.234066	7.33681	7.806321	7.656481	7.842089	7.667907	7.731585	7.643118	7.546128	7.563155	7.462272	6.561505	6.560636	6.537992	7.736962	7.762355	7.784259
TTC26	ENSG0000	0.106577	4.08193	1.411521	0.175646	0.27625	-6.05298	4.006674	4.014214	3.914407	3.605613	3.734793	3.776446	3.891945	4.050434	4.00079	4.261822	4.386688	4.307219	4.577158	4.53375	4.56581	4.46216	4.512957	4.444998
OGDH	ENSG0000	-0.17463	6.801367	-1.59145	0.129433	0.21827	-6.20144	7.507674	7.476529	7.514412	7.153265	7.278529	7.148463	6.977569	7.068959	6.967161	6.167928	6.173542	6.219458	6.727221	6.595738	6.661969	6.359205	6.358891	6.321106
ADAP1	ENSG0000	0.235548	2.191233	1.231533	0.234437	0.345805	-6.14547	1.069823	0.940485	1.453818	1.256461	1.909591	1.188496	0.548589	0.726566	0.925731	4.19764	4.353024	4.783729	3.970183	3.766081	3.824901	5.015537	4.798342	4.510131
H2AZ2	ENSG0000	0.100701	6.519127	1.214437	0.240735	0.353191	-6.68958	6.909354	6.888074	6.796562	6.860671	6.751013	6.820342	7.000948	7.143995	7.000662	6.402824	6.340672	6.383951	5.696635	5.727893	5.758486	6.307284	6.378004	6.483982
CAV2	ENSG0000	-0.20828	6.465472	-1.97034	0.064852	0.127335	-5.59048	6.439646	6.413598	6.41235	6.327371	6.434631	6.289823	5.774426	5.737018	5.657027	6.572048	6.559401	6.605467	7.060061	7.114446	7.129833	6.734628	6.699995	6.731658
CAV1	ENSG0000	-0.63291	7.436849	-2.22692	0.039363	0.085858	-5.21229	8.329729	8.397707	8.326896	7.830722	7.798429	7.796646	6.389189	6.590132	6.481819	6.889731	6.861292	6.976273	7.72124	7.688233	7.74472	7.423238	7.416794	7.369558
MET	ENSG0000	0.257841	7.733506	1.79211	0.090444	0.164899	-5.98081	7.458197	7.464191	7.436382	8.714228	8.612381	8.743753	7.453763	7.531556	7.434401	7.285547	7.286053	7.24377	7.791929	7.805319	7.846956	7.728929	7.719448	7.778211
RNF32	ENSG0000	-0.1638	0.97704	-0.83266	0.416268	0.538258	-5.88746	1.791852	2.009193	1.853768	1.182548	1.307481	1.575618	1.240874	1.367163	1.38134	1.423238	1.644832	1.49011	1.733794	1.846087	1.722572	1.571317	1.766644	1.81044
LMBR1	ENSG0000	0.485412	5.821638	5.871765	1.65E-05	0.000189	2.675583	5.636146	5.690142	5.715152	6.497053	6.564651	6.548001	6.337326	6.469207	6.346621	5.281564	5.368161	5.318796	5.626839	5.593492	5.603999	5.591509	5.58723	5.507891
DNAJB6	ENSG0000	0.309534	7.054489	3.35746	0.003622	0.012985	-2.92019	6.343004	6.323886	6.202087	7.224056	7.14235	7.174717	6.593315	6.700097	6.671815	7.239087	7.277666	7.28709	7.482841	7.456979	7.496437	7.557653	7.478971	7.540389
HOXA3	ENSG0000	-0.55189	0.881047	-1.79831	0.089422	0.163309	-4.52791	4.416666	4.495815	4.611291	3.910405	3.901574	3.926609	4.011872	3.999201	3.979442	0.483018	0.462741	0.54756	0.407676	0.106501	0.263213	0.257084	0.433238	0.315289
LFNG	ENSG0000	0.133792	1.278056	0.572982	0.573955	0.682033	-6.37302	0.503316	1.173893	0.829201	0.635873	1.087782	0.830331	0.782422	0.509405	0.515351	2.494552	2.575707	2.766268	4.876225	4.736081	4.602954	2.990321	2.680939	2.742606
HOXA5	ENSG0000	0.272315	1.165612	1.233923	0.233567	0.344902	-5.42776	2.245129	2.258179	2.194417	2.518519	2.71237	2.5075	2.696258	2.389238	2.530983	1.158593	1.029669	1.305813	0.745413	0.938214	1.488568	1.419885	0.975239	1.222783
HOXA6	ENSG0000	0.38441	0.691313	1.750322	0.097596	0.17549	-4.69258	1.755904	1.780637	2.018628	1.978268	1.864131	1.840725	2.26554	2.420731	2.309357	0.934589	1.029669	1.360915	0.610222	0.784432	0.593579	0.884806	1.118494	1.322858
BRAT1	ENSG0000	-0.19679	5.473033	-1.81676	0.086443	0.15936	-5.66089	5.85584	5.869251	6.080495	5.833796	5.970993	5.751893	5.63569	5.564476	5.716303	4.864753	5.030268	5.27464	5.626839	5.57015	5.581843	5.112574	5.003024	4.793504
IQCE	ENSG0000	-0.12219	5.518627	-0.77788	0.447042	0.567691	-6.90538	6.393597	6.371643	6.344057	6.197356	6.256968	6.180453	6.257073	6.097632	6.051618	4.545816	4.529155	4.592658	5.536504	5.493636	5.376231	4.522885	4.695442	4.562249
VIPR2	ENSG0000	0.999506	-0.82544	2.571415	0.019521	0.049333	-3.18884	1.894617	2.332462	2.37563	4.479932	4.621619	4.713128	3.178682	3.160038	3.104585	0.106501	0.106501	0.106501	0.106501	0.26996	0.106501	0.106501	0.106501	0.106501
TSPAN12	ENSG0000	-0.25457	3.526456	-2.52489	0.021498	0.053224	-4.05525	2.90065	2.730641	2.720234	3.487804	3.457132	3.335661	3.027514	3.122225	3.023464	4.227618	4.10258	4.144017	4.769223	4.90419	4.810905	3.730814	3.772348	3.68882
SSBP1	ENSG0000	-0.05752	7.177528	-1.36124	0.190732	0.293909	-6.58319	7.449783	7.449663	7.408415	7.07244	6.936766	7.092358	7.325376	7.385582	7.313779	7.153186	7.179045	7.178648	6.9634	6.970316	7.05742	7.159624	7.121015	7.164833
HOXA13	ENSG0000	0.322735	-1.52858	1.291784	0.213253	0.321279	-5.07931	1.861169	1.849715	2.018628	2.955742	2.71237	3.03415	2.01302	2.108984	2.309357	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CPED1	ENSG0000	0.466607	3.501282	2.115607	0.049017	0.102054	-4.42056	5.567812	5.407565	5.426074	7.143558	7.139968	7.142336	6.000029	5.988901	5.931692	1.199504	1.725977	1.46518	1.776519	1.495836	1.610309	1.354562	1.645686	1.273688
HIBADH	ENSG0000	-0.36955	6.455804	-4.91356	0.000122	0.000882	0.570363	7.306476	7.335389	7.283513	6.897233	6.768082	6.925177	6.822184	6.877965	6.909066	6.027299	5.958134	6.02633	6.064129	6.081579	6.093383	5.721879	5.755617	5.680517
TAX1BP1	ENSG0000	-0.25986	7.609354	-5.83952	1.76E-05	0.000198	2.408668	7.474879	7.565847	7.501232	7.686931	7.677986	7.690768	7.169041	7.263883	7.219045	7.698837	7.706258	7.668126	8.08669	8.160216	8.135095	7.40722	7.49766	7.498203
CPVL	ENSG0000	0.400135	0.129556	2.145487	0.046232	0.097525	-3.97058	4.859306	5.091908	4.998554	5.502803	5.593209	5.708315	5.356409	5.427787	5.342774	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CHN2	ENSG0000	0.57046	-1.556	1.910215	0.072655	0.139238	-4.25132	1.861169	1.465573	1.78216	2.864145	3.207016	2.885561	2.303642	1.945386	2.274723	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GRB10	ENSG0000	-0.15846	6.1818	-3.41405	0.0032	0.011785	-2.74259	6.140075	6.127503	6.095343	5.299283	5.326156	5.384134	5.943836	5.851216	5.773239	6.998778	6.965218	6.94956	6.082337	6.046769	6.030701	6.888221	6.8306	6.935095
ABHD11	ENSG0000	-0.06424	5.01761	-0.56219	0.581127	0.687426	-7.10291	4.450796	4.527784	4.526184	4.218476	4.267295	4.162865	3.676552	3.84524	3.82044	5.676959	5.674479	5.797063	6.37599	6.298326	6.327764	5.884016	5.914593	5.872323
COBL	ENSG0000	0.674156	5.470604	3.096399	0.006393	0.020435	-3.23521	5.160214	5.127117	5.176661	5.691159	5.624218	5.506852	5.93476	5.905096	5.906462	4.581075	4.682721	4.708717	6.473351	6.453088	6.456118	5.253625	5.251241	5.227124
FKBP14	ENSG0000	0.576596	4.0912	5.108117	8.04E-05	0.000639	1.451429	5.310279	5.26627	5.231457	5.299283	5.157403	5.238557	6.005819	5.957035	5.961941	2.790717	2.958081	2.845681	2.921223	2.875953	2.965187	2.866919	3.267249	2.944608
PLEKHA8	ENSG0000	-0.31014	5.034138	-4.9206	0.00012	0.000871	0.741768	5.443372	5.585177	5.530827	4.803367	4.688349	4.908703	5.026946	5.127313	5.067277	5.200749	5.294698	5.183964	4.771865	4.834061	4.869998	5.146741	4.984438	4.965925
STX1A	ENSG0000	0.078071	5.338566	0.972393	0.344121	0.465065	-6.77406	5.560015	5.509814	5.743707	5.636843	5.741991	5.559916	5.605504	5.629937	5.677057	5.218274	5.27461	5.155027	4.836392	4.746531	4.90611	5.312861	5.358575	5.29338
NOD1	ENSG0000	0.22625	3.185967	2.181619	0.043059	0.092252	-4.63719	3.27548	3.07157	3.25779	2.688367	2.57804	2.904994	3.158032	3.26787	3.271973	3.488234	3.431133	3.476988	3.746669	3.752319	3.586098	3.737235	3.815048	3.725851
GARS1	ENSG0000	-0.21996	8.399153	-2.94888	0.008786	0.026235	-3.87593	9.170808	9.218166	9.161409	8.320889	8.248305	8.358725	9.046213	9.065247	9.055737	8.241609	8.160052	8.263025	7.722265	7.749263	7.756307	7.926942	7.885166	7.919774
NSUN5P2	ENSG0000	-0.29521	3.588144	-3.03258	0.007338	0.022682	-2.9638	4.029438	3.759847	4.065319	4.041626	4.091068	3.91707	3.617275	3.506713	3.879258	3.437834	3.715716	3.380287	3.835226	3.813238	3.939687	3.209363	3.297679	3.241681
CASP2	ENSG0000	-0.19234	5.995766	-4.67639	0.000202	0.001312	0.073757	6.372979	6.365759	6.394453	5.878371	5.830334	5.860389	6.239981	6.131335	6.254089	6.140615	6.101878	6.067286	5.648566	5.690495	5.668493	5.859209	5.814676	6.028687
CHCHD2	ENSG0000	0.097535	6.981911	1.2871	0.214845	0.323265	-6.69163	6.973367	7.004358	7.117967	5.629907	5.913577	5.786355	7.071657	6.972641	7.105384	7.50235	7.55947	7.60105	6.806028	6.920424	6.801117	7.808072	7.718511	7.616926
HSPB1	ENSG0000	0.330559	8.323649	2.386324	0.028566	0.066655	-4.99508	7.179083	7.184788	7.352346	8.772859	8.918913	8.680324	7.788686	7.561003	7.78907	8.498573	8.447575	8.550769	9.000254	9.057179	9.021297	8.806703	8.760368	8.54886
NPTX2	ENSG0000	0.358051	-0.60458	1.35582	0.192417	0.295961	-5.07625	3.397161	3.298545	3.678418	4.031135	4.139571	4.018682	3.976929	3.564249	3.681923	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
PDAP1	ENSG0000	-0.05398	7.710153	-1.41787	0.173812	0.274093	-6.55728	7.743932	7.710983	7.735491	7.35705	7.398975	7.387393	7.669732	7.732369	7.665013	7.892163	7.878457	7.949456	7.757017	7.745795	7.757131	7.845701	7.859473	7.82536
BUD31	ENSG0000	-0.13684	6.655666	-2.33236	0.031866	0.072628	-4.96776	7.083519	7.023171	7.005539	6.436731	6.422921	6.45713	6.876914	6.800775	6.768335	6.698733	6.584097	6.707313	6.418764	6.454151	6.497142	6.589578	6.546909	6.698276
PTCD1	ENSG0000	0.035244	2.887969	0.366854	0.718131	0.800167	-6.54433	3.476616	3.7953	3.607684	3.533117	3.410458	3.432575	3.841036	3.724251	3.832397	2.589954	2.66072	2.714318	2.51737	2.433888	2.544166	2.524879	2.649824	2.374055
ZKSCAN1	ENSG0000	0.164065	6.803295	2.006717	0.060504	0.120644	-5.5669	6.435391	6.274494	6.410867	6.622897	6.482423	6.623257	6.479338	6.391864	6.306464	6.80859	6.951927	6.741455	7.630988	7.624506	7.613908	7.06708	7.160184	7.083354
EIF3B	ENSG0000	-0.14041	8.578871	-4.32434	0.000434	0.002409	-0.90859	9.075588	9.102634	9.089534	8.761798	8.777034	8.759184	8.862986	8.875504	8.853138	8.348923	8.361309	8.410288	8.081641	8.084323	8.094918	8.361665	8.302421	8.28917
SNX8	ENSG0000	-0.32903	6.325896	-3.14663	0.005734	0.018804	-3.2839	7.114013	7.15012	7.182836	6.092789	6.225857	6.135919	6.657248	6.714463	6.746384	6.108753	6.113234	6.279679	6.069508	5.921708	5.818141	6.010007	6.009569	5.864042
NUDT1	ENSG0000	-0.03951	3.808945	-0.40509	0.690324	0.778733	-6.85203	4.461995	4.435299	4.458888	3.921807	3.643567	3.510758	4.606901	4.603806	4.570996	4.009149	3.735447	4.124247	3.048706	3.301515	2.895043	3.830273	3.829005	3.56145
PTPRZ1	ENSG0000	-0.69972	0.223366	-7.85486	3.88E-07	1.02E-05	6.752855	0.216396	0.316291	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.545816	4.609763	4.412036	4.01993	4.148793	4.169997	3.724364	3.999132	3.969186
TAF6	ENSG0000	-0.06978	6.096044	-1.31525	0.205421	0.311521	-6.52055	6.250766	6.218461	6.306268	6.122741	6.163893	6.200251	6.205178	6.012346	6.176476	6.144548	6.03578	6.212921	5.971777	5.962621	5.80545	6.182261	6.056295	6.092105
WASL	ENSG0000	0.110016	6.503775	1.013033	0.324864	0.444821	-6.89488	6.842368	6.830496	6.866394	6.655706	6.670775	6.733338	7.045194	7.013235	7.065416	6.015891	5.967898	6.050624	6.48869	6.496042	6.500099	5.961472	6.108723	6.06165
AIMP2	ENSG0000	-0.45126	5.726001	-6.28303	7.26E-06	0.000101	3.532899	6.536854	6.644971	6.585352	6.227533	6.187154	6.221718	5.964794	5.983638	6.01011	5.353567	5.240494	5.351474	5.384248	5.31559	5.44535	5.102661	4.971913	5.081151
TFR2	ENSG0000	-0.14737	1.50162	-0.8625	0.40009	0.521791	-6.02088	1.990546	2.125186	1.954926	1.840866	1.864131	1.475193	1.389995	1.491012	2.005764	2.078238	2.355385	2.422156	1.667235	1.622273	1.992654	2.334732	2.465551	2.277588
MOSPD3	ENSG0000	-0.00754	3.698016	-0.07521	0.940904	0.961954	-6.84716	3.520128	3.676739	3.419917	4.190466	4.222966	3.897801	3.617275	3.672864	3.655245	3.622156	3.554746	3.590847	4.49639	4.497087	4.456413	3.630901	3.356678	3.540816

PCOLCE	ENSG0000	0.21255	1.152154	1.253597	0.226498	0.336815	-5.45266	1.519087	1.631689	1.921989	1.791994	1.953662	1.880533	1.966276	1.945386	2.087859	1.586365	1.616737	1.305813	1.858352	1.738515	1.550722	1.320757	1.795362	1.370407
RBM28	ENSG0000	-0.29991	5.972653	-5.51392	3.44E-05	0.000332	1.864788	6.43397	6.380424	6.406409	5.540275	5.547207	5.677574	6.01446	6.100066	6.11662	6.28065	6.117	6.273409	5.7445	5.699488	5.721809	5.925374	5.945351	6.015662
USP42	ENSG0000	-0.13144	4.58933	-2.21253	0.040504	0.087942	-4.85375	4.803168	4.673038	4.857612	4.54774	4.500575	4.598452	4.622059	4.569092	4.620106	4.656475	4.682721	4.649089	4.662213	4.794321	4.735974	4.591826	4.486784	4.651565
IMPDH1	ENSG0000	0.419581	6.345822	7.985898	3.08E-07	8.38E-06	6.668728	6.301524	6.269775	6.337827	6.674365	6.800118	6.737409	6.664586	6.656119	6.665144	5.907408	5.855181	6.010262	6.217367	6.179952	6.12437	6.473226	6.361294	6.324128
AGFG2	ENSG0000	-0.17664	3.024848	-2.0869	0.051836	0.106675	-4.75525	2.815895	2.819419	2.99819	3.041869	2.787348	3.016392	2.724622	2.871824	2.798137	3.637124	3.715716	3.7997	3.395624	3.393046	3.290693	3.538334	3.579432	3.421736
LSM5	ENSG0000	-0.06228	5.498562	-1.25063	0.227554	0.338103	-6.52317	5.883176	5.963819	5.808216	5.268353	5.305047	5.283793	5.900984	5.996758	5.923331	5.719774	5.684664	5.603592	4.853955	5.006281	4.882136	5.55381	5.462956	5.481066
SERPINE1	ENSG0000	-0.70738	5.848972	-2.18757	0.042556	0.091408	-5.04214	8.086401	8.041382	8.094	6.517865	6.45968	6.504077	6.470991	6.522796	6.393781	4.421642	4.498689	4.415294	4.858933	4.541772	4.527685	5.215041	5.198461	5.154286
AP1S1	ENSG0000	-0.38266	6.634052	-4.03079	0.000826	0.004018	-1.40612	7.225824	7.206349	7.274571	6.470122	6.584058	6.496091	6.595237	6.639485	6.571941	6.595228	6.497192	6.598319	6.514162	6.612974	6.543734	6.377818	6.469946	6.41338
C1GALT1	ENSG0000	-0.19301	5.357529	-2.57888	0.019221	0.048711	-4.27967	6.044597	6.095863	6.130008	5.687824	5.859584	5.862876	5.866398	5.879824	5.872122	5.077225	5.191334	5.151125	4.489986	4.381153	4.584502	4.902958	4.946531	5.11644
PLOD3	ENSG0000	0.020136	7.570015	0.34709	0.732668	0.811209	-7.45385	8.631368	8.600464	8.654999	8.094005	8.155241	8.070612	8.488619	8.439277	8.514437	6.841273	6.782867	6.836252	6.466844	6.430582	6.325543	7.133696	7.005936	6.956675
RPA3	ENSG0000	-0.07325	4.871485	-1.49039	0.153947	0.249535	-6.10037	5.214199	5.234335	5.190556	4.612502	4.65537	4.562192	5.193472	5.255104	5.256657	5.136363	4.987026	5.054151	4.518584	4.446707	4.562043	4.931237	4.956102	4.840691
ZNHIT1	ENSG0000	-0.06525	6.023349	-1.44011	0.167508	0.266334	-6.34088	5.838758	5.99083	5.918779	6.125209	6.207773	6.027064	5.747035	5.859858	5.757647	6.041432	5.969287	6.072454	6.418764	6.43274	6.389653	6.031066	6.029348	5.975866
CLDN15	ENSG0000	0.374569	2.624773	3.409174	0.003235	0.01188	-1.90673	2.949211	3.248262	3.334887	3.966538	3.956756	4.138446	3.676552	3.619579	3.557782	1.891119	2.011405	1.915176	2.479079	2.627242	2.365487	1.992244	2.124453	2.091498
GLCCI1	ENSG0000	-0.00605	3.766939	-0.0246	0.98065	0.987374	-6.82144	3.85351	4.058659	3.979882	4.456603	4.081169	4.130213	4.6145	4.357565	4.33084	3.349712	3.204502	3.464463	4.32708	4.438137	4.448272	2.831347	2.985098	2.975687
PHF14	ENSG0000	-0.47043	5.413063	-9.3938	3.01E-08	1.49E-06	9.173858	6.632887	6.596806	6.539942	6.077576	6.125878	6.208094	6.177231	6.128954	6.128792	5.057888	4.887657	4.936647	4.397206	4.354074	4.504317	4.466031	4.584635	4.376785
NRF1	ENSG0000	0.041706	4.271466	0.616768	0.545339	0.656629	-6.85701	4.679091	4.223893	4.370098	4.190466	4.167908	4.330328	4.479546	4.316298	4.482711	4.399867	4.327249	4.32118	4.260913	4.317159	4.14503	4.454386	4.386537	4.394143
TMEM106	ENSG0000	0.404125	6.689894	3.567532	0.002286	0.008993	-2.36354	6.857289	6.837953	6.848977	8.028271	7.864848	7.950095	7.654148	7.613903	7.638869	5.737245	5.716452	5.750105	6.402659	6.420828	6.431551	5.542855	5.722354	5.708538
EZH2	ENSG0000	-0.31854	4.838293	-2.63862	0.016968	0.044205	-4.1234	5.379837	5.25994	5.228093	4.765896	4.825118	4.702062	4.944941	4.933517	4.989319	5.358091	5.355466	5.349772	3.913883	3.964133	3.939687	4.953468	5.138081	5.070394
CEP41	ENSG0000	-0.32338	4.689487	-5.16948	7.06E-05	0.000576	1.346807	4.925527	4.774231	4.98267	4.797189	4.801196	4.803913	4.576101	4.540708	4.475104	4.99537	4.919631	4.945687	4.707079	4.608219	4.550681	4.577584	4.725598	4.731125
ZNF862	ENSG0000	-0.29313	3.023934	-2.73141	0.013961	0.037874	-3.37228	3.944154	3.768792	3.736403	4.333937	4.1957	4.249025	3.676552	3.462004	3.557782	2.635389	2.437987	2.409144	2.88263	2.913535	3.010124	2.013561	2.146913	2.629903
MEST	ENSG0000	0.401904	7.591535	5.009891	9.90E-05	0.000752	0.689824	8.112843	8.142493	8.109168	8.955928	8.884819	8.850963	8.605711	8.65159	8.616934	6.557369	6.456161	6.495113	6.680177	6.74912	6.636221	6.787406	6.731915	6.796192
ANKMY2	ENSG0000	-0.06868	3.876281	-0.80507	0.431594	0.552855	-6.55992	4.387594	4.051346	4.16017	4.245952	4.240862	4.407292	4.143751	3.946081	4.021828	3.792275	3.532361	3.585074	4.046359	4.045377	4.01878	3.762638	3.537548	3.650813
ACTR3C	ENSG0000	-0.24173	-0.92455	-2.00313	0.060922	0.121323	-4.56687	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.620402	2.804649	2.581432	3.074617	2.938056	2.870883	2.211015	2.500854	2.419973
POU6F2	ENSG0000	0.065501	-1.25196	0.364871	0.719585	0.801208	-6.18953	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	1.891119	2.155072	2.038602	2.044674	2.084417	2.121111	1.784732	2.124453	1.844513
TSPAN13	ENSG0000	0.350624	6.163023	4.398197	0.00037	0.002118	-0.54537	5.853716	5.846194	5.743707	6.430757	6.461589	6.48967	6.362363	6.367829	6.383659	6.123444	6.029133	6.084781	6.133567	6.1514	6.112827	6.262357	6.174423	6.299774
AGR2	ENSG0000	0.495737	8.030048	5.063865	8.83E-05	0.000688	0.745136	8.41648	8.386854	8.349522	8.452507	8.329469	8.360046	8.463069	8.590592	8.486806	7.185365	7.260178	7.112454	7.646907	7.718186	7.744305	8.000184	8.041307	8.105545
AHR	ENSG0000	-0.26943	7.050606	-3.99505	0.000893	0.004265	-1.51478	7.727204	7.751033	7.785559	7.313345	7.172965	7.328346	7.372071	7.273617	7.296619	6.731357	6.778911	6.654534	6.678066	6.706935	6.658445	6.582463	6.661514	6.648516
CHCHD3	ENSG0000	-0.19954	6.035086	-5.37166	4.62E-05	0.000416	1.570771	6.519538	6.516763	6.454708	5.969096	6.049244	6.094204	6.344198	6.232407	6.308606	6.10741	6.04635	6.039056	5.568769	5.661337	5.526854	5.906981	5.879817	5.821907
GLI3	ENSG0000	0.401143	2.545316	1.04739	0.309189	0.428839	-5.82817	3.509372	3.863696	3.93931	5.468225	5.48099	5.566032	3.841036	4.009594	3.968647	1.315703	1.265082	0.958181	1.446877	1.120667	1.390007	1.970607	2.030948	1.877799
PSMA2	ENSG0000	0.263651	1.326114	1.347268	0.195102	0.299251	-5.33167	2.218961	2.068355	2.399755	2.548252	2.193078	2.455733	2.607661	2.676938	2.77354	1.315703	1.335727	1.360915	1.336984	1.282615	1.456457	0.884806	1.442809	1.461048
MRPL32	ENSG0000	-0.0233	5.933625	-0.57944	0.569688	0.678547	-7.18475	6.374462	6.334469	6.315808	5.980046	5.949389	5.970546	6.389189	6.385893	6.439449	5.781704	5.821729	5.878389	5.50191	5.483259	5.473701	5.731559	5.714857	5.726921
COA1	ENSG0000	-0.06341	6.368017	-0.82357	0.421281	0.542818	-7.0552	6.844509	6.862187	6.845688	6.866584	6.711452	6.829269	6.915871	6.918516	6.864635	6.137986	6.169921	6.238893	5.503501	5.644673	5.611309	5.981894	6.004966	6.01753
BLVRA	ENSG0000	-0.08841	5.513232	-1.38148	0.184537	0.286563	-6.24236	6.602846	6.624173	6.505617	6.536528	6.562874	6.639299	6.443525	6.513697	6.546761	4.425958	4.447768	4.665597	4.726277	4.627193	4.848508	4.386563	4.437531	4.433851
URGCP	ENSG0000	0.112452	5.706402	2.189381	0.042404	0.091174	-5.08572	6.097621	6.030421	6.071137	5.872506	5.924691	5.822571	6.207692	6.175851	6.215804	5.456306	5.361828	5.332646	5.479457	5.363901	5.414342	5.496293	5.440404	5.475641
TMEM248	ENSG0000	0.127364	6.848706	2.681784	0.015499	0.041201	-4.28784	6.961579	7.05277	7.054799	7.41569	7.329594	7.393425	7.171619	7.196113	7.151451	6.47333	6.427133	6.511948	6.547695	6.533737	6.579581	6.594007	6.538439	6.583172
STAG3L4	ENSG0000	0.097499	3.304166	0.966089	0.347178	0.468388	-6.18419	4.532747	4.599733	4.464617	4.384261	4.368438	4.407292	4.695544	4.664259	4.726452	2.589954	2.485369	2.510098	2.178139	2.288901	2.528806	2.192442	2.755911	2.48622
RHEB	ENSG0000	0.125522	6.785847	3.055286	0.006987	0.021876	-3.5195	7.200137	7.206349	7.116148	7.05701	7.067863	7.037288	7.378779	7.3056	7.353735	6.36061	6.355624	6.426546	6.317514	6.420828	6.412847	6.434237	6.472171	6.474494
PRKAG2	ENSG0000	-0.4666	5.315918	-1.79171	0.09051	0.164999	-5.68934	6.841296	6.802456	6.821334	4.881362	4.84865	4.983728	6.034424	5.935393	6.06688	4.674725	4.709571	4.864598	4.973543	4.897954	4.970056	4.691084	4.691628	4.753714
POLD2	ENSG0000	0.463805	6.745674	5.468652	3.78E-05	0.000357	1.703618	6.377422	6.432017	6.438788	7.08644	7.24012	7.112348	7.049405	6.983227	6.91751	6.526551	6.440218	6.573019	6.657496	6.601506	6.624528	6.959977	6.850408	6.804871
BCL7B	ENSG0000	-0.04814	6.216091	-0.89786	0.381463	0.503258	-6.99629	6.560491	6.570189	6.675804	5.996317	6.041607	6.04688	6.753301	6.506377	6.7273	6.307799	6.195078	6.294791	5.698025	5.78983	5.735254	6.140482	6.171688	6.047093
YKT6	ENSG0000	0.423547	7.304836	12.72037	2.88E-10	4.50E-08	13.74643	6.89806	7.009084	6.855533	7.378932	7.40494	7.342668	7.457992	7.331721	7.357877	7.134188	7.098166	7.147645	7.563207	7.573571	7.565335	7.505944	7.534858	7.498872
TBL2	ENSG0000	0.136512	6.219911	1.951626	0.067196	0.130909	-5.57092	6.54082	6.589251	6.493057	6.701082	6.730577	6.723795	6.680963	6.577961	6.617569	5.783387	5.876072	5.91452	5.669971	5.67599	5.627622	6.040183	6.036884	6.052569
CLIP2	ENSG0000	-0.28345	5.174829	-2.45098	0.025032	0.060063	-4.50221	5.689529	5.80765	5.884996	5.209091	5.166794	5.187896	5.440037	5.364416	5.530627	4.974897	4.91387	4.972471	5.202303	5.136474	5.156493	4.799373	4.73304	4.731125
EIF4H	ENSG0000	0.083844	9.128877	0.982897	0.339069	0.460159	-7.13404	9.38398	9.386894	9.334483	9.883601	9.878717	9.866729	9.652742	9.666381	9.649791	8.75978	8.675339	8.741274	8.57431	8.551473	8.578814	8.573623	8.583591	8.629548
LIMK1	ENSG0000	0.478203	6.70224	6.815476	2.59E-06	4.60E-05	4.429012	5.429176	5.531	5.581801	6.408639	6.45968	6.38976	6.212706	6.104921	6.208941	7.164208	7.076412	7.202413	7.659446	7.48845	7.501855	7.542609	7.487246	7.484763
SPATA6L	ENSG0000	-0.36374	-0.16175	-1.51839	0.146796	0.240462	-5.13096	0.318509	0.316291	0.421314	0.635873	0.625525	0.461789	0.106501	0.387194	0.106501	1.840286	2.249583	2.183199	2.491955	2.533802	2.497588	1.85727	1.981819	2.226823
SLC1A1	ENSG0000	0.573147	2.522693	2.25773	0.037019	0.081822	-4.48807	0.742531	0.661886	0.756332	2.577385	2.299368	2.629332	1.70672	2.029503	1.620777	4.156676	4.269773	4.194187	3.757374	3.903166	4.002193	4.555953	4.568087	4.428245
LHX2	ENSG0000	0.613592	-0.85794	2.875734	0.010276	0.029717	-2.64436	2.90065	3.114308	3.044832	3.753334	3.988879	3.459109	3.586698	3.578282	3.655245	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
FKTN	ENSG0000	0.216798	5.924501	3.31115	0.004008	0.014119	-2.84307	6.4453	6.359851	6.447493	6.489409	6.397219	6.640749	6.739468	6.739655	6.698191	5.21079	5.265591	5.193482	5.461566	5.487419	5.555558	5.28245	5.302159	5.406045
FSD1L	ENSG0000	0.073588	1.954732	0.274212	0.787137	0.851202	-6.31741	2.707144	2.784561	2.794903	2.81607	2.299368	2.784269	2.144798	2.960209	2.376228	1.616888	1.875739	1.248523	2.626498	2.549802	2.544166	1.926335	1.956613	1.775544
CNTNAP3	ENSG0000	0.556883	3.590532	4.560918	0.00026	0.001594	0.268951	3.420312	3.370829	3.322321	3.591402	3.796595	3.655458	4.264577	4.290959	4.296723	3.358771	3.517242	3.451828	3.840269	3.793216	3.837423	3.685048	3.537548	3.788453
SPIN1	ENSG0000	-0.01376	7.198341	-0.34144	0.736843	0.814487	-7.44692	7.270302	7.246127	7.232374	7.321977	7.239007	7.376124	7.281899	7.370541	7.234897	7.195513	7.231516	7.138312	7.064378	7.08318	7.106097	7.060694	7.111768	7.188239
NMRK1	ENSG0000	0.402104	3.973006	2.395802	0.02802	0.065661	-4.21646	4.138162	4.366251	4.174224	5.892928	5.836231	5.842864	4.376062	4.59693	4.512744	2.843296	3.106888	2.638296	3.840269	3.793216	3.563664	3.333216	3.422593	3.267027
TMEM245	ENSG0000	0.378133	8.253511	1.875716	0.077499	0.146688	-5.86387	8.393267	8.418106	8.389602	9.825596	9.704684	9.793516	9.18281	9.210561	9.168805	7.539173	7.511639	7.489958	7.254425	7.280056	7.281872	7.428208	7.372215	7.425499
MEGF9	ENSG0000	0.594727	4.794166	4.466574	0.000319	0.001881	-0.15805	4.014302	4.342481	4.034833	5.487537	5.525471	5.327654	5.055139	5.201716	5.107194	4.592639	4.623947	4.566525	4.959705	5.006281	4.938437	4.888608	4.740443	4.878182
TRIM14	ENSG0000	0.714767	5.268544	14.47227	3.63E-11	9.40E-09	15.90012	3.465529	3.628412	3.586821	4.062381	4.384626	4.186878	3.988671	4.256466	4.073118	6.135353	6.307002	6.181698	6.876462	6.918885	6.996613	6.983799	6.927837	6.917196
CORO2A	ENSG0000	0.216676	3.474047	3.61796	0.002046	0.008216	-2.08147	1.384302	1.420874	1.585853	1.74141	1.612488	2.064596	1.588238	1.367163	1.445026	5.860347	5.95393	5.824276	6.075937	6.095271	5.952276	6.082404	6.051838	6.18645
TGFBR1	ENSG0000	0.97548	7.537917	12.27737	5.04E-10	6.90E-08	13.23952	9.055627	9.027059	9.038348	10.11184	9.975414	10.07889	10.16313	10.18653	10.13192	4.914746	5.087685	4.911491	5.440132	5.605024	5.493616	5.6708	5.637662	5.510546
SEC61B	ENSG0000	0.152641	6.629317	4.431908	0.000343	0.002	-0.52774	6.946707	6.877775	6.944323	6.660819	6.722639	6.659462	7.018237	7.052718	7.09177	6.423477	6.337447	6.456896	6.215427	6.205427	6.261939	6.623769	6.512728	6.591974
C5	ENSG0000	-0.30488	2.174772	-0.85569	0.403749	0.525361	-6.03262	2.707144	3.012542	2.794903	3.910405	3.560502	3.678224	1.966276	2.255906	1.445026	2.14259	1.752042	2.120715	2.225168	2.169719	1.970087	2.417026	2.410923	2.528753
TLE4	ENSG0000	-0.98222	4.332996	-3.3115	0.004005	0.014112	-2.61332	5.601118	5.575013	5.597531	3.456785	3.242978	3.321269	4.185161	4.070428	4.05282	4.623032	4.620414	4.569452	4.737134	4.843827	4.708971	3.883346	4.111883	4.249053
LHX6	ENSG0000	-0.10228	1.68919	-0.53934	0.596454	0.69972	-6.69514	1.235614	1.061904	0.679585	0.841981	1.087782	0.746642	0.548589	0.106501	0.735084	4.408616	4.322908	4.488257	3.904282	3.871689	3.862146	4.46216	4.414575	4.488745
PTGR1	ENSG0000	-0.04122	6.284936	-0.17953	0.859588	0.905709	-7.31051	7.731838	7.779527	7.697678	6.821637	6.821087	6.893911	7.80538	7.922432	7.772874	5.038288	5.046155	5.149169	5.50509	5.614563	5.534564	4.84468	4.751478	4.874064
SUSD1	ENSG0000	-0.17157	3.64142	-1.51294	0.148167	0.242346	-5.78968	3.85351	3.920993	3.854572	3.487804	3.683372	3.608819	3.370387	3.462004	3.064594	3.991785	3.878373	4.046548	3.870167	3.852467	3.548512	4.147172	3.923096	4.087723
AKNA	ENSG0000	0.112556	3.101215	0.692553	0.497689	0.614795	-6.5985	2.392887	2.125186	1.853768	2.91067	3.295295	3.445903	2.376953	1.491012	1.826075	3.962373	4.082178	3.946523	4.604095	4.412116	4.460466	4.249541	4.237539	4.058989
DNM1	ENSG0000	0.0843	2.420888	0.685405	0.502079	0.618501	-6.22083	2.668993	2.870177	2.966237	3.472378	3.683372	3.535905	2.696258	2.801791	2.892531	2.100009	2.267764	1.951531	2.694919	2.627242	2.497588	2.368215	2.354144	2.003758
ENG	ENSG0000	0.209124	2.043966	0.456949	0.653336	0.749594	-5.94793	5.910002	5.873404	5.935379	6.44268	6.552164	6.437247	6.103549	6.078014	6.084485	0.483018	0.462741	0.397516	0.352262	0.190544	0.106501	1.058946	0.572487	0.409347
AK1	ENSG0000	0.491585	1.877685	3.922014	0.001049	0.004862	-0.75781	2.392887	2.37994	2.423483	2.933382	2.762786	2.719893	2.607661	2.801791	2.981126	1.52331	1.699433	1.839597	1.689764	1.970168	1.801384	2.173627	1.930959	2.003758
CDC37L1	ENSG0000	0.005735	4.948235	0.095959	0.924644	0.950196	-7.23897	4.467563	4.330447	4.363979	4.3081	4.368438	4.386706	4.245129	4.184903	4.33084	5.481405	5.516188	5.53037	5.91554	5.893775	5.955152	5.566486	5.574859	5.598033
RLN2	ENSG0000	0.22416	-1.60773	1.160051	0.26163	0.377432	-5.43974	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.158593	1.529011	1.562415	1.446877	1.738515	1.775589	1.512637	1.368306	1.626848
PLGRKT	ENSG0000	-0.10857	4.530403	-2.29501	0.034356	0.077157	-4.71041	4.905158	4.826575	4.831244	4.209199	4.43213	4.271657	4.772276	4.741115	4.700591	4.782995	4.702905	4.69001	4.279599	4.367677	4.293286	4.63373	4.596923	4.661156
TBC1D13	ENSG0000	-0.06111	5.933469	-0.87423	0.393848	0.515538	-6.96895	5.93634	5.858816	5.986055	5.866618	5.994917	5.852905	6.000029	5.994144	6.136045	5.988432	5.914084	6.02633	6.153965	6.074684	6.125647	5.800633	5.821673	5.708538
RIC1	ENSG0000	0.191436	5.835323	3.364709	0.003565	0.012846	-2.76461	5.734094	5.659206	5.64119	5.863665	5.613956	5.778475	5.93476	5.916187	5.994232	5.791772	5.87162	5.735845	6.04241	6.076066	6.069697	5.878217	5.958108	5.944791
KDM4C	ENSG0000	-0.1306	2.4099	-1.02493	0.319374	0.439036	-5.99271	2.649532	2.71221	2.739267	2.887595	2.633282	2.924168	2.340763	2.702788	2.588518	2.444376	2.590228	2.447834	2.842976	3.193633	3.157218	2.524879	2.465551	2.226823
DOCK8	ENSG0000	-0.47778	-1.19253	-1.58458	0.130989	0.220268	-4.74358	2.725848	2.655462	2.916938	3.51817	3.683372	3.75519	2.340763	2.029503	2.274723	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
KANK1	ENSG0000	0.076651	5.160228	0.658329	0.518905	0.63373	-6.85202	6.442476	6.574021	6.552102	6.790876	6.679002	6.711432	6.524402	6.530034	6.472298	3.765279	3.793073	3.999574	3.513977	3.703092	3.600863	4.254026	4.094656	4.007286
ELAVL2	ENSG0000	0.919587	2.2262	4.117255	0.000683	0.003437	-0.34153	2.19231	2.332462	2.558197	4.647264	4.600983	4.651187	3.19904	3.122225	3.4839	1.423238	1.265082	1.360915	2.439743	2.016959	2.276326	1.734264	1.90484	1.546329
NCS1	ENSG0000	0.155969	6.667665	2.770368	0.012857	0.035578	-4.03979	7.680626	7.793291	7.771183	7.687766	7.822397	7.734871	7.939986	7.764942	7.731172	5.447841	5.434044	5.549768	5.580873	5.566222	5.591116	5.863618	5.770158	5.63257
TESK1	ENSG0000	-0.07292	4.994371	-1.05893	0.304048	0.423154	-6.63262	4.905158	4.877086	4.954444	5.241304	5.119213	5.110498	4.851577	4.696781	4.940438	5.149472	5.128054	5.212332	5.144351	5.054739	5.066284	5.224213	4.946531	5.109451
CA9	ENSG0000	1.277824	0.408565	5.560945	3.12E-05	0.000307	2.572643	1.642349	1.849715	1.499186	0.52061	0.512209	0.830331	2.186178	2.702788	2.005764	1.028404	1.112482	0.921995	0.701742	0.550009	0.470356	1.784732	2.48331	1.910335
FUBP3	ENSG0000	-0.15637	7.43974	-3.71492	0.001653	0.006951	-2.18473	7.47626	7.520225	7.473795	6.966314	7.089011	7.041684	7.213499	7.302434	7.294459	7.729714	7.702921	7.76419	7.547102	7.531386	7.518961	7.603624	7.631099	7.664791
TYRP1	ENSG0000	0.162467	-0.09653	0.958465	0.3509	0.472076	-6.16243	0.216396	0.106501	0.219246	0.106501	0.106501	0.2349	0.106501	0.106501	0.256032	3.002038	3.034402	2.957162	4.369563	4.407733	4.359898	3.200096	3.058015	3.189613
CREB3	ENSG0000	0.005009	5.86825	0.133492	0.89533	0.930247	-7.37627	5.253402	5.404699	5.335175	5.346585	5.3917	5.408166	5.360933	5.289629	5.317474	6.366236	6.389229	6.49742	6.419607	6.541759	6.500099	6.453863	6.425856	6.414798
RGP1	ENSG0000	0.052414	6.520552	0.636938	0.53242	0.645191	-7.25271	6.037128	6.07618	6.080495	5.890028	5.707014	5.801988	6.309508	6.250046	6.084485	7.036665	6.984585	6.927485	7.228211	7.149649	7.18599	7.009226	6.929457	6.992255
MPDZ	ENSG0000	0.266541	4.947697	3.950048	0.000986	0.004629	-1.25338	5.51233	5.480165	5.446484	5.938549	5.965622	6.015936	5.794634	5.656635	5.709835	4.037631	4.117695	3.764372	4.618846	4.513497	4.749288	4.23146	4.25315	4.242679
DDX58	ENSG0000	0.075711	4.957238	1.132841	0.272583	0.389369	-6.64891	4.679091	4.80064	4.848876	3.647423	3.441741	3.722706	4.688362	4.759705	4.855099	5.766469	5.876072	5.886627	5.083973	5.149657	5.128745	5.838454	6.053325	6.000631
EDF1	ENSG0000	-0.06849	7.832706	-1.24588	0.229251	0.339986	-6.77583	7.875918	7.887162	7.924035	7.939201	8.040513	7.895282	7.683343	7.599354	7.733565	7.838537	7.722004	7.857551	7.829191	7.810723	7.841527	7.899651	7.891415	7.837571
PIP5K1B	ENSG0000	1.42826	-1.39259	3.488828	0.002717	0.010385	-1.47596	1.384302	1.374745	1.358564	3.80351	3.670226	3.797394	2.752438	2.568641	2.723053	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GLIS3	ENSG0000	-0.12947	5.061823	-1.8759	0.077472	0.146658	-5.47625	5.266237	5.234335	5.303557	5.598277	5.681033	5.686023	5.272444	5.241941	5.220718	4.592639	4.869913	4.698057	5.306202	5.23377	5.243746	4.563199	4.572242	4.353311
BAG1	ENSG0000	0.034607	6.117124	0.497372	0.625125	0.724971	-7.19104	6.683998	6.700957	6.752747	7.233238	7.347254	7.263019	6.655407	6.581449	6.596689	5.200749	5.176975	5.241989	5.571804	5.703069	5.618582	5.398403	5.487362	5.335919
RAPGEF1	ENSG0000	0.50769	6.11211	4.784936	0.00016	0.001097	0.328538	6.372979	6.280761	6.357977	6.491324	6.599745	6.442243	6.636872	6.506377	6.544946	5.149472	5.288033	5.260219	6.218336	6.102069	6.157205	6.060808	6.062215	5.894855
NPDC1	ENSG0000	0.358847	4.69735	2.879726	0.010188	0.029512	-3.44179	4.749336	5.091908	5.183625	6.416721	6.432686	6.217839	5.277239	5.088621	5.220718	3.294134	3.431133	3.630629	4.621778	4.557684	4.56581	4.171084	4.100421	3.744016
APBA1	ENSG0000	0.476614	0.147917	2.47171	0.023989	0.058129	-3.81912	0.41387	0.215206	0.421314	0.395333	0.25478	0.3528	0.106501	0.106501	0.256032	2.708071	2.714733	2.745712	3.100071	3.152313	3.234995	3.423579	3.366281	3.241681
SETX	ENSG0000	-0.07857	6.81935	-1.08088	0.294441	0.413057	-6.88211	6.550034	6.531292	6.558814	6.827712	6.711452	6.921604	6.222684	6.373876	6.164702	7.108238	7.112699	6.929765	7.193159	7.184013	7.225825	7.123928	7.098866	7.152985
PTGDS	ENSG0000	0.44972	-0.50307	1.195021	0.248043	0.361975	-5.55613	0.41387	0.215206	0.219246	0.258133	0.106501	0.106501	0.670238	0.253663	0.515351	1.52331	1.369793	1.653508	2.968056	2.743101	2.870883	1.734264	1.930959	1.58715
ABCA2	ENSG0000	0.229828	7.053386	2.419641	0.02669	0.063211	-4.82499	6.555272	6.576571	6.807875	7.164108	7.371825	7.263019	7.09085	6.897684	7.09177	6.74524	6.852284	6.757586	7.883033	7.680078	7.765755	6.955854	6.900009	6.810269
SHB	ENSG0000	-0.08865	4.06736	-1.08081	0.294469	0.413057	-6.5078	3.801557	3.863696	3.93931	3.123142	3.31232	3.216292	3.586698	3.564249	3.543305	4.799721	4.836805	4.881185	4.595172	4.67539	4.70214	4.950708	4.971913	4.567359
UBE2R2	ENSG0000	-0.1328	6.655525	-2.65684	0.016332	0.042865	-4.32473	6.98506	7.072773	7.059539	6.869531	6.81662	6.868153	6.707851	6.785736	6.867543	6.483718	6.353497	6.464778	6.528294	6.458395	6.500099	6.399235	6.468832	6.37892
ABHD17B	ENSG0000	0.073326	4.484741	0.890126	0.385487	0.507298	-6.64508	4.664623	4.673038	4.76778	4.97738	4.911451	4.899045	4.980658	5.018308	5.082376	4.399867	4.251617	4.268117	4.230502	4.235431	4.247105	4.240529	4.083055	4.007286
EXOSC3	ENSG0000	-0.26499	4.776275	-2.9451	0.008858	0.026393	-3.52167	4.957532	4.83937	4.813395	3.910405	4.020303	4.062605	4.122591	4.265167	4.444269	5.295783	5.434044	5.478369	5.049546	5.221337	5.126195	5.371825	5.248648	5.341895
ZFAND5	ENSG0000	-0.07153	7.622037	-2.55282	0.02029	0.050923	-4.62028	7.891016	7.800943	7.820048	7.852484	7.767127	7.845864	7.753846	7.7308	7.765097	7.477096	7.477383	7.454772	7.4784	7.5111	7.467526	7.426222	7.40636	7.407804
DVL1	ENSG0000	-0.10144	6.586679	-0.80037	0.43424	0.555395	-7.13994	6.466308	6.455753	6.624265	5.999011	6.228101	6.018168	5.913358	5.848324	5.800886	6.815186	7.047764	7.211342	6.883198	6.80101	6.829601	7.431181	7.308267	7.174073
PDLIM1	ENSG0000	-0.327	6.403916	-2.04181	0.05656	0.114284	-5.46573	6.528888	6.590513	6.527679	5.910205	5.927456	5.757249	5.952856	5.991525	6.19974	6.598099	6.47291	6.594732	7.12866	7.101614	7.163789	6.338238	6.380376	6.433107
CCNJ	ENSG0000	0.222643	4.467073	3.184331	0.005283	0.017647	-2.86474	4.91334	4.973094	4.908943	4.790984	4.789085	4.71863	5.310366	5.314991	5.243285	3.938405	4.242453	4.16352	3.960951	3.832986	4.040604	4.161567	4.162364	4.203832
GATA3	ENSG0000	-0.68288	-0.9498	-1.45641	0.16301	0.260988	-4.87665	2.867343	2.674627	2.641489	1.791994	1.768674	1.714252	1.966276	1.809233	1.873138	0.106501	0.185134	0.16959	0.234608	0.106501	0.335616	0.326864	0.106501	0.214669
ATRNL1	ENSG0000	0.164699	-0.99894	0.945739	0.357174	0.478933	-5.4811	3.27548	3.012542	3.013906	3.181227	3.31232	3.292047	3.277716	3.063581	3.340558	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
HPS1	ENSG0000	-0.20811	5.159393	-4.01322	0.000858	0.00413	-1.12636	6.131333	6.070765	6.108212	6.475936	6.546779	6.590627	5.946849	5.813157	5.791729	4.187508	4.077032	4.197974	4.580176	4.627193	4.519937	4.005409	4.047684	4.080593
PHYH	ENSG0000	-0.51191	3.859939	-4.94503	0.000114	0.000838	1.16283	5.269428	5.435922	5.396406	5.59472	5.375591	5.384134	4.812472	4.715948	4.84333	2.763691	2.632935	2.983737	3.108457	3.120528	2.930541	2.639009	2.726388	2.277588
RASSF4	ENSG0000	-0.10822	2.056378	-0.60316	0.554149	0.664485	-6.16681	2.609804	2.71221	2.700947	3.142765	3.132285	3.086148	2.908934	2.728183	2.047395	1.787595	1.616737	1.73919	2.760241	2.657091	2.604018	1.65509	1.581179	1.844513
DNMBP	ENSG0000	0.195735	5.806461	1.689448	0.108892	0.191205	-5.92927	6.027737	5.965765	6.104547	6.375851	6.30028	6.393204	6.44991	6.546187	6.515583	5.56792	5.669359	5.527363	4.984974	5.090728	5.084783	5.44622	5.456227	5.518482
RAB11FIP2	ENSG0000	-0.31086	4.614062	-3.80552	0.001355	0.005961	-1.4877	5.862195	5.785783	5.869964	5.59472	5.465853	5.822571	5.510962	5.595854	5.427983	4.020609	3.824119	3.829308	3.513977	3.819851	3.586098	3.730814	3.698248	3.444131
ERLIN1	ENSG0000	0.13644	6.432578	2.129659	0.047689	0.099873	-5.29115	6.979225	6.955246	6.905885	6.751478	6.700177	6.829269	7.266307	7.278997	7.255025	6.162765	6.077605	6.105096	5.556562	5.595421	5.572511	6.125874	5.964444	6.041596
EIF3A	ENSG0000	0.030355	9.041302	0.89923	0.380752	0.50274	-7.20823	9.540583	9.503854	9.558124	9.571526	9.608027	9.656204	9.661709	9.641745	9.607363	8.559997	8.5393	8.49663	8.485754	8.462359	8.448667	8.444197	8.528527	8.483803
CUBN	ENSG0000	-0.1095	0.44613	-0.39467	0.697863	0.783931	-6.00382	1.010037	0.875715	1.028027	1.519216	1.087782	1.422231	0.983587	1.549165	1.0941	1.239286	1.265082	1.126631	2.178139	2.016959	2.036756	0.974502	0.69947	1.273688
TRDMT1	ENSG0000	-0.19778	2.447236	-1.23716	0.232393	0.343501	-5.79574	2.884092	3.042358	2.900124	2.425456	2.633282	2.581827	3.33403	3.063581	3.064594	2.955028	2.727926	2.569785	2.412911	2.642244	2.574402	2.075685	2.37332	2.419973
DDX50	ENSG0000	-0.04156	5.502515	-0.82571	0.420096	0.541584	-6.93615	5.759279	5.647129	5.525355	5.753112	5.507103	5.754573	5.570773	5.643348	5.653661	5.36934	5.481554	5.504604	5.403118	5.40626	5.469685	5.408497	5.396559	5.380146
MAPK8	ENSG0000	-0.18352	4.586429	-2.01798	0.059213	0.118552	-5.16201	5.167074	5.151261	5.152017	4.753186	4.628433	4.918297	5.043928	5.07384	5.072328	4.468423	4.353024	4.355501	4.234338	4.488812	4.377153	3.962207	4.200441	4.292899
SEC23IP	ENSG0000	-0.07922	6.185386	-1.85101	0.081142	0.152107	-5.69638	7.009119	7.022236	6.978763	6.980014	6.935393	6.975445	6.928119	6.921271	6.925905	5.376047	5.417853	5.527363	5.592876	5.552391	5.526854	5.434414	5.35134	5.302602
ATE1	ENSG0000	0.138891	5.427574	1.950409	0.067351	0.131121	-5.45227	5.738706	5.82919	5.901987	5.650615	5.677752	5.646163	6.119658	6.227963	6.178819	5.141621	5.113047	5.193482	4.856446	4.959137	4.932613	5.100173	4.993761	5.084719
NSMCE4A	ENSG0000	-0.21591	4.418496	-2.91429	0.009462	0.027843	-3.43234	4.863535	4.881217	4.974661	4.40878	4.478119	4.598452	4.544628	4.741115	4.831463	4.404248	4.278766	4.421787	4.312636	4.274468	4.25646	4.083081	4.123255	4.305185
PLEKHA1	ENSG0000	-0.66257	5.260701	-5.22464	6.29E-05	0.000525	1.450612	6.746015	6.733307	6.742171	6.038828	5.899563	5.935541	5.919505	5.975709	5.866318	4.541844	4.517806	4.472706	4.598153	4.649638	4.519937	3.962207	4.293974	4.129778
PALD1	ENSG0000	-0.38337	-0.18775	-0.89027	0.385412	0.507247	-5.52832	3.041689	3.182839	3.296854	3.181227	3.656958	3.548316	2.858632	2.777669	2.670735	0.269074	0.330605	0.230035	0.106501	0.106501	0.186984	0.257084	0.19538	0.315289
UNC5B	ENSG0000	0.217056	0.511061	0.904712	0.37792	0.500299	-5.61499	1.826927	2.206444	2.079636	2.21912	2.762786	2.196611	2.26554	2.184314	2.376228	0.88529	0.640699	0.54756	0.5125	0.938214	0.707101	0.837776	0.572487	0.580851
VSIR	ENSG0000	-0.18173	4.955744	-0.71007	0.487028	0.605142	-6.84018	6.052028	6.12924	6.120966	5.307999	5.438974	5.2875	5.856819	5.824975	5.875015	3.991785	3.780465	4.12026	5.012045	4.869552	4.832959	3.854102	3.955266	3.914098
SPOCK2	ENSG0000	-0.45094	-0.4598	-1.28524	0.215479	0.323916	-5.07851	2.021155	1.849715	2.274882	1.933905	1.437317	1.919272	1.648695	1.809233	1.445026	0.34397	0.330605	0.230035	0.294634	0.484926	0.707101	0.257084	0.19538	0.409347
MICU1	ENSG0000	-0.17583	5.943647	-3.22049	0.004884	0.016565	-3.0139	6.826208	6.845372	6.816862	6.866584	6.853435	6.768241	6.686381	6.679089	6.660121	5.170202	5.137972	5.160861	5.35987	5.306201	5.461619	4.936827	4.884398	5.073988
PPP3CB	ENSG0000	-0.41356	5.223401	-4.21495	0.000551	0.002912	-0.75493	6.298404	6.290111	6.219134	6.095309	6.023629	5.923682	5.860019	5.807211	5.813006	4.877414	4.842882	4.941174	4.110387	4.10615	4.040604	4.654234	4.460128	4.494122
CCSER2	ENSG0000	-0.06624	4.992556	-0.86223	0.400238	0.521845	-6.75707	5.460225	5.416131	5.458019	5.525403	5.554381	5.705548	5.435754	5.484771	5.220718	4.509673	4.407337	4.478947	4.931624	4.947106	5.009321	4.410866	4.517274	4.274271
BMPR1A	ENSG0000	0.561984	4.920095	5.716947	2.26E-05	0.000238	2.531103	5.237197	5.231103	5.194009	6.004384	5.716638	6.053425	5.946849	6.060626	6.031013	4.14101	4.008408	4.067404	4.376523	4.354074	4.389961	4.311095	4.167865	4.280507

MINPP1	ENSG0000	0.382917	5.834011	4.195361	0.000576	0.003011	-0.89411	5.956277	6.026697	5.916691	6.966314	6.768082	6.807492	6.483493	6.577961	6.62102	4.974897	5.191334	5.202938	5.468097	5.438844	5.403856	5.235596	5.193075	5.296461
ACTA2	ENSG0000	-0.42955	2.646893	-2.18905	0.042432	0.091196	-4.22502	4.48962	4.634406	4.706239	4.99368	5.064996	5.080903	4.057185	4.166444	4.011347	1.457372	1.672391	1.305813	1.597456	1.203912	1.390007	1.627702	1.442809	1.546329
LIPA	ENSG0000	0.073317	6.427945	1.412817	0.17527	0.275903	-6.3845	6.914458	6.881904	6.8761	7.469129	7.276361	7.383935	6.897303	6.899082	6.867543	5.694953	5.691415	5.542338	5.994577	6.116912	6.144664	5.808277	5.716735	5.870258
TWNK	ENSG0000	-0.12142	6.354528	-1.5696	0.134434	0.224761	-6.19595	6.990871	7.010971	6.929899	6.392338	6.461589	6.372415	6.815607	6.762879	6.7289	6.088476	5.9886	6.043273	6.0834	5.995119	6.012871	5.983245	5.983288	6.076062
LZTS2	ENSG0000	0.234292	5.481495	3.164801	0.005512	0.018198	-3.089	5.533718	5.639833	5.602736	6.154502	6.350594	6.049065	5.726144	5.5324	5.616111	4.806358	4.854958	4.950186	5.622454	5.458046	5.530714	5.319295	5.276925	5.262209
SFXN3	ENSG0000	0.260549	5.482991	3.678785	0.00179	0.007402	-2.03768	5.474121	5.520446	5.426074	5.156973	5.411586	5.2875	5.61311	5.682848	5.591697	5.272006	5.413777	5.403251	5.650003	5.659495	5.625819	5.623057	5.748292	5.731481
KAZALD1	ENSG0000	0.351647	3.204177	1.424462	0.171923	0.271865	-5.62833	3.476616	3.608619	3.431666	5.087795	4.86605	4.788301	4.293266	4.203129	3.90213	2.620402	2.531245	2.957162	2.591031	2.50126	2.618601	2.432936	2.634012	2.442395
FBXW4	ENSG0000	-0.55211	4.563329	-4.05331	0.000786	0.003851	-0.96371	5.747885	5.708855	5.812715	5.359221	5.407631	5.280077	4.659269	4.866483	4.929347	4.076585	3.913441	3.848714	3.904282	4.056619	3.979775	3.951202	4.047684	3.848451
NPM3	ENSG0000	-0.35168	5.591216	-3.09445	0.00642	0.020511	-3.28951	6.481521	6.566346	6.491655	5.268353	5.565074	5.363212	6.048517	5.871301	6.061811	5.419984	5.386997	5.453233	5.202303	5.068687	5.208029	5.280253	5.232987	5.252725
TNKS2	ENSG0000	-0.05392	6.162767	-0.73182	0.47398	0.593277	-7.0814	6.232898	6.245949	6.215741	6.913032	6.847607	6.928742	6.386973	6.32478	6.470386	5.957461	5.895203	5.775677	6.095052	6.092543	6.125647	5.6708	5.541343	5.598033
GBF1	ENSG0000	0.115697	6.677963	1.854347	0.080642	0.151428	-5.78069	6.828373	6.754852	6.840189	7.311179	7.352408	7.444948	7.013934	7.022245	6.949428	6.26628	6.326647	6.202588	6.486279	6.395597	6.377914	6.320173	6.296221	6.285892
ARHGAP21	ENSG0000	0.510745	6.08525	2.689077	0.015263	0.040665	-4.12343	6.229625	6.277631	6.252636	7.496077	7.548362	7.662503	7.129812	7.108174	7.198405	5.295783	5.323231	5.256592	5.273015	5.104334	5.161481	5.332078	5.269267	5.09537
CPEB3	ENSG0000	-0.27753	1.656542	-1.54407	0.140485	0.232388	-5.27474	1.286899	1.508929	1.667608	1.933905	1.996426	1.919272	1.588238	1.988058	1.777424	2.763691	2.714733	2.558044	2.357702	2.700737	2.276326	2.034568	2.354144	2.119598
FBXL15	ENSG0000	-0.09435	2.862764	-0.55688	0.584668	0.690443	-6.39774	3.114469	3.450822	3.698006	4.132759	4.293254	3.878271	3.219115	2.801791	3.124172	2.18395	2.303453	2.460504	3.02232	2.950162	3.075009	2.666185	2.770449	2.174206
CUEDC2	ENSG0000	-0.00255	5.571756	-0.03844	0.969774	0.980444	-7.25503	6.289001	6.253935	6.160332	6.095309	6.147385	6.182445	6.259498	6.225736	6.106808	4.936085	4.84591	4.970258	5.088219	5.277664	5.168932	4.891489	4.987552	5.01537
SUFU	ENSG0000	0.371319	3.909131	3.436565	0.003046	0.011364	-2.18984	3.783815	3.704977	3.88052	4.43289	4.56592	4.580436	4.504297	4.55497	4.404775	3.77884	3.640966	3.613714	3.946991	3.839509	3.831176	3.651445	3.675254	3.761956
ANKRD26	ENSG0000	-0.08239	2.556131	-0.80183	0.433421	0.554731	-6.24385	3.183753	3.235413	3.454879	2.577385	2.881616	2.924168	3.258446	3.302095	3.218306	2.574485	2.66072	2.581432	2.399306	2.363215	2.276326	2.625227	2.274787	2.59029
ACBD5	ENSG0000	-0.35352	5.841188	-7.45801	7.88E-07	1.77E-05	5.759712	6.129578	6.12924	6.163858	5.92161	5.902377	6.033699	5.824425	5.927193	5.650287	5.852352	5.902494	5.954255	5.853284	5.882764	5.813395	5.501961	5.566553	5.600528
LHPP	ENSG0000	0.892838	2.969852	9.075845	4.98E-08	2.18E-06	8.783451	1.791852	1.708084	1.888281	3.20008	3.033076	3.152687	2.696258	2.728183	3.044176	3.165825	3.204502	3.325935	4.275881	4.169652	4.169997	4.026533	3.876817	3.823043
LARP4B	ENSG0000	-0.0037	6.262123	-0.06989	0.945077	0.964374	-7.40518	6.622943	6.579116	6.628099	6.220625	6.278786	6.215895	6.623754	6.666008	6.601937	6.091196	6.171129	6.106104	6.014793	5.941552	6.000398	6.067194	5.997261	6.245022
GTPBP4	ENSG0000	-0.23089	7.421091	-3.41695	0.00318	0.011738	-2.82005	8.040446	8.072421	7.988091	7.167704	7.197228	7.230656	7.81283	7.782473	7.774424	7.403499	7.331598	7.399508	7.002732	7.019258	7.020146	7.153636	7.142829	7.201446
EDRF1	ENSG0000	-0.08156	5.301325	-1.38874	0.182356	0.284075	-6.29042	5.754732	5.557053	5.594921	5.487537	5.57921	5.490866	5.559008	5.592401	5.512161	5.233128	5.299125	5.267448	4.99179	4.824228	4.810905	5.17303	5.187669	5.194471
BCCIP	ENSG0000	-0.25717	6.484318	-4.35452	0.000407	0.002283	-0.67433	7.322694	7.397267	7.258994	6.454505	6.452019	6.497692	7.066126	7.029924	7.067947	6.29959	6.252125	6.328875	5.826847	5.733157	5.872388	6.067194	6.068111	6.041596
MTPAP	ENSG0000	0.611447	4.440759	9.543852	2.38E-08	1.27E-06	9.471159	4.059241	4.101775	4.124423	4.833866	4.668652	4.685302	4.864381	4.765849	4.855099	4.026306	4.162112	4.271716	4.673561	4.561635	4.610269	4.62683	4.542904	4.735671
SH3PXD2A	ENSG0000	0.465287	4.319443	2.87223	0.010353	0.029885	-3.55184	3.810347	3.863696	3.947516	4.424898	4.507984	4.499659	4.245129	4.389749	4.189248	4.652797	4.732663	4.488257	4.046359	3.993677	4.114488	5.137061	5.048468	5.019105
PITRM1	ENSG0000	-0.09444	6.828723	-1.45333	0.163852	0.261895	-6.40759	7.409134	7.419448	7.403949	7.191452	7.181098	7.196566	7.566764	7.530654	7.505203	6.616154	6.582282	6.615415	6.080206	6.00095	6.046965	6.332948	6.265761	6.227376
STN1	ENSG0000	-0.50203	4.15861	-3.11674	0.006118	0.019821	-2.92049	5.801771	5.585177	5.707924	4.209199	4.186495	4.138446	4.998191	5.063901	4.923769	3.851231	3.682218	3.602326	3.416036	3.320292	3.445943	3.552967	3.529023	3.540816
MAP3K8	ENSG0000	0.295553	3.273655	1.837678	0.083171	0.15483	-5.01563	4.357924	4.354415	4.145977	4.694564	4.836932	4.622128	4.87074	4.911516	4.758139	2.409929	2.604605	2.409144	2.399306	2.549802	2.365487	2.075685	2.146913	2.033602
DKK1	ENSG0000	-0.44448	5.741209	-3.13803	0.005842	0.019068	-3.19663	6.786668	6.624173	6.675804	5.765822	5.888253	5.875244	6.042896	6.00976	6.185827	5.328427	5.338363	5.37006	5.597352	5.464391	5.596651	5.069967	5.132464	5.119922
GLRX3	ENSG0000	-0.24954	6.625537	-7.09084	1.55E-06	3.03E-05	4.993169	7.644832	7.607579	7.591712	6.845783	6.807642	6.848215	7.302038	7.29926	7.311645	6.300766	6.279264	6.325416	5.682663	5.708425	5.625819	6.098704	6.12437	6.157942
TASOR2	ENSG0000	-0.05409	7.343141	-1.52139	0.146046	0.239399	-6.37967	7.406238	7.341398	7.412126	7.244634	7.322258	7.335525	7.400917	7.353303	7.289046	7.436495	7.521143	7.344607	7.269928	7.287828	7.277284	7.348666	7.340291	7.409939
XPNPEP1	ENSG0000	-0.15738	5.982503	-2.19055	0.042306	0.090994	-5.11609	6.685193	6.722987	6.542653	6.316613	6.196355	6.225588	6.247331	6.383897	6.413815	5.542307	5.584869	5.643029	5.650003	5.574066	5.64197	5.677494	5.572787	5.50523
SMC3	ENSG0000	0.217597	6.102002	5.750791	2.11E-05	0.000227	2.364053	6.396519	6.480468	6.40492	6.340176	6.239272	6.19434	6.619984	6.646162	6.660121	5.834606	5.877552	5.748815	5.574833	5.518239	5.607658	6.02583	6.023291	6.045263
SHOC2	ENSG0000	0.529258	5.028469	4.647675	0.000215	0.001374	0.227114	5.089762	5.022548	4.990634	6.020383	5.87112	5.902086	5.83747	5.896721	6.002193	4.35077	4.498689	4.348702	4.701546	4.686287	4.778803	4.434767	4.508628	4.461559
TFAM	ENSG0000	-0.15034	6.462078	-3.23831	0.004698	0.01603	-3.11729	6.767614	6.884992	6.787448	6.238973	6.319354	6.259951	6.700729	6.775114	6.815784	6.564237	6.552929	6.609028	6.138693	6.059398	6.137087	6.336125	6.376817	6.301309
CCDC6	ENSG0000	-0.15888	6.878108	-2.52494	0.021496	0.053224	-4.606	7.160298	7.119852	7.127028	7.171291	7.042579	7.047161	7.12583	7.15691	7.200713	6.738315	6.798584	6.740157	6.732656	6.777423	6.805904	6.400247	6.398038	6.49475
CUL2	ENSG0000	0.152697	5.594288	2.741307	0.013672	0.037337	-4.01466	5.86008	5.844079	5.856953	5.775282	5.745129	5.654797	6.15656	6.161941	6.049058	5.283944	5.421918	5.429264	5.326113	5.221337	5.234307	5.465685	5.487362	5.2872
CCNY	ENSG0000	1.125918	5.761312	17.02574	2.54E-12	1.45E-09	18.52911	5.000411	5.113136	5.116065	6.13993	6.094235	6.172458	6.337326	6.288964	6.206646	5.043915	4.997958	4.925267	6.331014	6.225488	6.227866	6.007353	6.075448	5.930982
UBE2S	ENSG0000	0.295614	6.717293	3.763365	0.001486	0.006409	-2.03233	6.722924	6.832631	6.880393	6.05704	6.142633	6.059941	7.29378	7.223157	7.256136	7.021059	7.079632	7.246516	5.874336	5.858882	5.821296	7.423238	7.279333	7.114232
RPL28	ENSG0000	0.222849	9.092308	5.547984	3.20E-05	0.000314	1.698133	8.801099	8.758692	8.817447	8.950719	9.122362	8.880099	9.102346	8.976641	9.007444	9.186113	9.090756	9.049759	9.279172	9.3816	9.348688	9.267322	9.327104	9.363782
ZMIZ1	ENSG0000	-0.03852	7.07986	-1.103	0.284983	0.402679	-6.84821	7.788541	7.829012	7.855913	7.714238	7.818678	7.807012	7.810351	7.710238	7.776747	6.394039	6.497192	6.411127	6.332804	6.341475	6.316627	6.430279	6.409694	6.416214
DNAJC12	ENSG0000	-0.90228	4.196391	-8.46326	1.36E-07	4.52E-06	7.794594	5.799565	5.779158	5.678645	5.910205	5.806499	5.935541	4.819063	4.922558	4.929347	3.411958	3.463043	3.641797	3.116795	3.213858	3.085545	2.679583	2.696248	2.687355
PPIF	ENSG0000	0.088545	7.660864	1.529624	0.144007	0.236846	-6.36332	9.297536	9.298736	9.317369	7.885617	7.956368	7.93008	9.563309	9.521847	9.512544	6.970249	6.786813	6.983973	5.558094	5.528368	5.528785	6.90186	6.73655	6.825277
PBLD	ENSG0000	0.341747	2.491757	2.922649	0.009294	0.027453	-2.88269	2.707144	2.71221	2.739267	4.142539	3.832443	3.744443	2.981245	2.894433	3.124172	1.865926	1.827525	2.038602	2.738794	2.997596	2.795875	2.055273	2.169028	2.350536
TSPAN14	ENSG0000	0.046635	6.357334	0.404385	0.690835	0.77894	-7.20926	8.208209	8.120822	8.161696	7.605305	7.709655	7.68305	8.014389	7.969775	7.996578	4.581075	4.555295	4.626781	4.98725	4.774033	4.873042	5.039116	4.975054	5.09537
TBC1D12	ENSG0000	0.114109	3.558547	1.311434	0.206678	0.312995	-5.93962	4.252223	4.236845	4.382257	4.299384	3.844198	4.088331	4.367093	4.467202	4.313883	3.102524	3.136872	3.141546	3.039964	2.974074	3.021143	3.043104	3.458949	3.267027
NUFIP2	ENSG0000	-0.08012	7.991567	-2.25432	0.037272	0.082266	-5.21554	8.481555	8.435766	8.4712	8.15446	8.138633	8.217241	8.344141	8.399325	8.316359	7.835295	7.835297	7.728952	7.398161	7.482732	7.470042	7.704969	7.716636	7.826426
GIT1	ENSG0000	-0.14999	6.769339	-1.59941	0.127649	0.216035	-6.20636	7.036534	7.002463	7.030862	6.910172	7.100083	6.952282	6.55434	6.461656	6.51187	6.667178	6.634884	6.657976	6.736042	6.720251	6.656679	6.811947	6.872476	6.777574
RPL19	ENSG0000	-0.09527	10.12586	-3.04899	0.007083	0.022072	-3.77046	10.59353	10.59062	10.58169	10.34808	10.42114	10.31454	10.44519	10.44934	10.46879	9.942051	9.813072	9.819629	9.673413	9.717078	9.704776	9.744597	9.800241	9.862529
FBXL20	ENSG0000	0.082167	3.545996	1.005507	0.328371	0.448342	-6.35855	3.349713	3.196163	3.371944	3.661095	3.31232	3.689474	3.238915	3.302095	3.4839	3.805587	3.741965	3.602326	4.287006	4.317159	4.315833	3.799922	3.793856	3.823043
UBTF	ENSG0000	0.373868	7.613394	9.941695	1.30E-08	8.09E-07	9.829256	7.558775	7.608825	7.612505	7.799383	7.891291	7.791435	8.108872	8.041801	8.061512	7.258577	7.309279	7.276381	7.409234	7.420463	7.375539	7.572991	7.532194	7.551391
PSMD3	ENSG0000	0.128824	7.603649	3.270797	0.004377	0.015134	-3.13803	7.920746	7.965116	7.904672	7.832233	7.823881	7.794043	8.053347	8.036094	8.046834	7.209976	7.167592	7.266945	7.286652	7.305605	7.325304	7.406213	7.366843	7.295282
CASC3	ENSG0000	-0.05581	7.285392	-1.59654	0.12829	0.216787	-6.26898	7.639909	7.599454	7.606688	7.107814	7.03234	7.090237	7.478957	7.536955	7.518216	7.316097	7.294945	7.312645	6.943031	6.971059	6.967715	7.283801	7.279333	7.331773
RAPGEFL1	ENSG0000	-0.03952	3.730031	-0.32836	0.74654	0.821968	-6.93928	4.172655	4.065935	4.351665	2.81607	2.948483	2.741673	4.274204	4.212157	4.428601	4.182415	4.200477	4.132188	3.520276	3.583837	3.509921	4.194605	4.011424	3.897964
RNF43	ENSG0000	-0.17837	3.195693	-1.80602	0.088167	0.161638	-5.53888	1.755904	1.465573	1.499186	1.933905	2.229385	2.064596	1.317361	1.15884	1.244857	5.575711	5.613586	5.509184	5.26928	5.191052	5.280893	5.416521	5.462956	5.365554
WNT3	ENSG0000	-0.34808	2.161362	-2.43342	0.025949	0.061806	-3.8397	3.454357	3.273623	2.900124	2.48816	2.429905	2.865864	2.806512	2.753138	2.748518	2.320032	2.032826	2.546206	1.733794	1.819936	1.947161	2.154563	2.212266	2.14716
RAD51C	ENSG0000	-0.45762	4.75517	-3.97063	0.000942	0.004465	-1.28515	5.350006	5.343146	5.214556	4.619522	4.522687	4.72411	4.479546	4.569092	4.3476	5.175339	5.167323	5.229089	4.163669	4.354074	4.284167	5.08263	4.956102	5.022829
MTMR4	ENSG0000	0.344751	5.145407	1.806551	0.088081	0.1615	-5.67993	3.738482	3.676739	3.678418	5.529135	5.454395	5.541409	3.879385	3.924273	3.783962	5.719774	5.779586	5.75397	6.336378	6.253845	6.160946	6.117284	6.084202	6.18645
TRIM37	ENSG0000	0.156377	5.840903	2.718137	0.014357	0.038744	-4.12529	5.388667	5.538865	5.378308	5.598277	5.518152	5.66623	5.715585	5.851216	5.719525	6.024455	6.042395	6.108119	6.279029	6.179952	6.307655	6.091204	6.130018	6.072473
DHX40	ENSG0000	-0.15871	6.661891	-3.88181	0.001146	0.005209	-1.7418	6.464917	6.461282	6.395953	6.580359	6.561094	6.521493	6.153955	6.214549	6.188155	6.858938	6.898961	6.884647	7.19857	7.206897	7.199391	6.823309	6.716982	6.854832
TUBD1	ENSG0000	0.421669	3.665497	4.770953	0.000165	0.001124	0.639687	3.19722	2.966631	3.133821	3.54791	3.47236	3.27721	3.586698	3.798055	3.879258	4.167027	4.056262	4.083875	3.913883	4.034047	3.933868	4.353508	4.49118	4.216898
KPNB1	ENSG0000	0.383874	9.060773	4.472608	0.000314	0.001864	-0.61585	8.900402	8.899998	8.891094	9.326256	9.257059	9.333458	9.486714	9.486939	9.453526	8.957019	8.938236	8.897208	8.643207	8.649623	8.648866	9.112314	9.107621	9.155631
GOSR2	ENSG0000	0.256058	5.312939	4.355068	0.000406	0.002283	-0.52365	5.180696	5.201677	5.1197	5.333837	5.317749	5.345543	5.262806	5.155666	5.427983	5.093595	5.240494	5.204822	5.652873	5.503938	5.680705	5.526265	5.554003	5.502565
PNPO	ENSG0000	-0.36469	4.708902	-3.8327	0.001276	0.005693	-1.54534	5.118357	5.10962	5.049003	4.927344	4.860273	4.97456	4.367093	4.365678	4.428601	4.839091	4.827642	4.850228	4.555854	4.553723	4.72927	4.787047	4.687803	4.749225
RPS6KB1	ENSG0000	1.062629	6.167246	16.75018	3.32E-12	1.75E-09	18.27689	5.20423	5.041126	5.060398	6.305774	6.147385	6.333504	6.309508	6.230187	6.315012	5.918171	5.972062	5.899478	6.673834	6.667151	6.687266	6.926654	6.792823	6.931137
TRIM16L	ENSG0000	0.076592	6.586411	0.632467	0.535269	0.647734	-7.20736	7.496144	7.50692	7.463102	6.90874	6.85634	6.811359	7.863133	7.740972	7.78523	6.000057	5.852172	6.012415	5.761881	5.722609	5.840085	5.811323	5.707321	5.740557
CDK5RAP3	ENSG0000	-0.24011	5.719745	-3.59207	0.002166	0.008603	-2.22761	5.999192	5.839841	5.929176	6.007062	6.015855	6.033699	5.781194	5.730749	5.719525	5.598832	5.681277	5.451648	5.914344	5.86369	6.012871	5.203493	5.387157	5.299535
CBX1	ENSG0000	-0.00229	6.516778	-0.04579	0.963993	0.976609	-7.44094	6.801072	6.89524	6.733892	6.497053	6.41309	6.410303	6.742939	6.831855	6.803687	6.389627	6.411886	6.428159	6.306622	6.369917	6.291819	6.434237	6.43044	6.404842
RECQL5	ENSG0000	-0.50085	5.140439	-5.69778	2.35E-05	0.000245	2.335895	4.855064	4.843609	5.082923	4.367681	4.110665	4.186878	4.496094	4.238905	4.444269	6.093911	6.003595	6.008106	5.979798	5.90936	6.007341	5.564682	5.627716	5.554952
PIGL	ENSG0000	-0.58603	3.245226	-4.8722	0.000133	0.000948	0.961905	3.819083	3.863696	3.971859	2.577385	2.605925	3.335661	3.352323	3.232814	3.357206	3.901688	3.919204	3.602326	3.165832	3.272884	3.370406	3.281432	3.287607	3.291935
GALK1	ENSG0000	0.030768	4.637731	0.275497	0.786165	0.850858	-7.03712	4.884496	4.945746	5.155563	5.041505	5.119213	4.942007	5.066264	4.77806	4.99996	4.087524	3.986619	4.415294	4.795429	4.743056	4.778803	4.311095	4.40994	4.115895
INTS2	ENSG0000	-0.32692	5.589474	-5.66703	2.51E-05	0.000256	2.240423	6.023964	5.860909	6.021469	5.388282	5.387689	5.474701	5.83422	5.78015	5.813006	5.973766	5.939825	5.888972	5.113436	5.046305	5.217641	5.522553	5.449467	5.43987
CAMTA2	ENSG0000	0.074329	5.032234	0.699527	0.493428	0.610644	-6.94095	5.658224	5.59527	5.712747	4.955356	5.034541	4.960699	5.78793	5.682848	5.842866	4.685565	4.722812	4.649089	4.790225	4.545767	4.653399	4.694387	4.784083	4.675424
MED13	ENSG0000	0.050642	7.316868	1.047327	0.309217	0.428839	-6.96313	7.0726	7.108445	7.208672	7.302482	7.212045	7.372638	7.328845	7.243113	7.255025	7.514053	7.508775	7.331304	7.359161	7.405703	7.398959	7.40722	7.426006	7.417033
HOXB6	ENSG0000	-0.35187	-1.56044	-1.27068	0.220497	0.330131	-5.10124	2.245129	2.513665	2.049454	2.714828	2.398361	2.924168	2.058296	1.809233	1.674905	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ENO3	ENSG0000	-0.35648	1.887072	-2.18631	0.042662	0.091566	-4.18814	3.385444	3.310847	3.565652	2.359902	2.737798	2.629332	2.832807	2.894433	3.044176	1.423238	1.875739	1.73919	1.644349	1.560439	1.320349	1.734264	1.67689	1.58715
PFN1	ENSG0000	-0.00087	9.083348	-0.01381	0.989141	0.993137	-7.63314	9.712934	9.742496	9.762501	9.423966	9.539191	9.415351	9.554201	9.447109	9.572588	8.578289	8.556734	8.624044	8.379759	8.405519	8.418252	8.831109	8.798994	8.79005
RNF167	ENSG0000	-0.46076	6.86713	-12.1699	5.78E-10	7.63E-08	13.0628	7.574984	7.567129	7.544479	7.122712	7.162441	7.179712	7.171619	7.001567	7.053973	6.764112	6.667775	6.762711	6.489493	6.441343	6.42845	6.347711	6.302487	6.265602
SLC25A11	ENSG0000	0.192976	5.944523	2.405509	0.027471	0.064613	-4.70616	6.219762	6.211917	6.245997	6.54945	6.530503	6.44058	6.732502	6.60563	6.52298	5.627223	5.535075	5.571831	5.336859	5.384121	5.330457	5.587961	5.603561	5.425873
RASD1	ENSG0000	0.12266	0.951944	1.105899	0.283761	0.401351	-6.1708	1.12723	0.875715	0.756332	0.395333	0.25478	0.2349	0.548589	0.622068	0.735084	3.818776	3.774119	4.083875	1.954519	1.819936	1.876113	4.052512	4.184245	4.051715
RAI1	ENSG0000	0.168544	6.477137	2.734774	0.013862	0.037715	-4.16917	5.876913	5.841962	5.899874	6.183212	6.493661	6.354858	6.056907	5.871301	5.961941	6.623688	6.800927	6.853766	7.077252	7.035684	7.050042	7.058131	6.97096	6.89298
NUP88	ENSG0000	0.159062	6.04472	3.290706	0.004191	0.014648	-2.94126	5.970071	6.125763	6.108212	6.290462	6.28095	6.284269	6.217704	6.227963	6.256309	5.829728	5.901039	5.945268	5.946273	5.885918	5.821296	6.053108	5.989515	6.077854
C1QBP	ENSG0000	-0.16915	8.020509	-3.40241	0.003283	0.012027	-2.89089	8.670815	8.694419	8.662808	8.029589	7.957045	7.985894	8.437594	8.479554	8.49294	7.853834	7.794337	7.865909	7.48405	7.445801	7.499887	7.777635	7.642999	7.701856
BLMH	ENSG0000	0.14329	0.767446	0.561873	0.581337	0.687478	-5.83391	5.954295	6.043381	5.972044	5.952514	5.976344	6.033699	6.200136	6.201009	6.133632	0.190076	0.185134	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CPD	ENSG0000	-0.00278	8.148564	-0.01321	0.989608	0.993211	-7.56797	7.969137	8.010604	8.045605	9.034186	8.975119	9.116983	8.506596	8.532317	8.547001	8.180977	8.235606	8.119868	7.498878	7.518741	7.553525	7.640917	7.600405	7.688435
GOSR1	ENSG0000	-0.13555	6.842389	-3.23499	0.004732	0.016127	-3.1655	7.157717	7.153539	7.162711	6.591112	6.577031	6.590627	7.104404	7.024809	7.03081	6.965068	6.920669	6.981777	6.548466	6.576342	6.616376	6.766369	6.779408	6.851694
CCDC47	ENSG0000	0.105185	7.842921	1.842827	0.082382	0.153824	-5.93395	7.453996	7.556837	7.494246	7.676871	7.559992	7.737583	7.781953	7.830895	7.80963	8.099224	8.112745	8.144613	7.97447	7.951743	7.947848	8.047133	8.016747	8.094084
MED31	ENSG0000	-0.04921	3.909418	-0.68506	0.502294	0.618712	-6.73034	3.936145	4.014214	3.863273	3.840029	3.747367	4.000731	3.953155	3.736817	3.771595	4.281009	4.045764	4.100159	4.15964	4.127629	4.109334	3.98397	4.328771	4.108904
DRG2	ENSG0000	-0.28002	5.753257	-4.00597	0.000872	0.004183	-1.33617	6.466308	6.475012	6.41679	5.836811	5.907988	5.875244	6.09814	6.104921	6.109268	5.619706	5.393221	5.582013	5.43514	5.423729	5.31263	5.297735	5.294635	5.423057
FTSJ3	ENSG0000	0.143909	7.759251	2.174912	0.043632	0.093215	-5.37364	6.543459	6.492668	6.471878	6.964937	7.016845	7.017339	6.753301	6.79177	6.841156	8.754428	8.779593	8.770027	8.740667	8.690113	8.760334	8.825658	8.815079	8.792507
AKAP10	ENSG0000	-0.35608	5.40327	-5.69324	2.38E-05	0.000246	2.350524	5.979843	5.969649	5.931247	5.583994	5.617385	5.562977	5.502797	5.339915	5.54523	5.309864	5.22894	5.29777	5.271149	5.255884	5.292308	5.100173	5.072132	5.037632
ALDH3A1	ENSG0000	-0.63163	5.661635	-3.36856	0.003535	0.012761	-2.49239	8.851738	8.849243	8.867231	6.73864	7.038748	6.859464	8.060319	8.251177	8.105903	3.64455	3.774119	3.986493	3.288992	3.338827	3.234995	3.455083	3.404065	3.487904
SMARCD2	ENSG0000	0.204841	6.969269	4.55379	0.000264	0.001609	-0.31488	6.435391	6.415023	6.435874	6.384118	6.4654	6.365418	6.508178	6.506377	6.483715	7.479693	7.391898	7.477156	7.327634	7.369539	7.40107	7.791199	7.714288	7.723188
ICAM2	ENSG0000	-0.24227	-0.56992	-0.49683	0.625503	0.725255	-6.08384	1.069823	1.002471	1.202741	0.106501	0.106501	0.2349	0.106501	0.106501	0.515351	1.239286	1.616737	1.585733	1.524131	1.766169	1.639204	1.85727	1.851139	1.844513
SYNGR2	ENSG0000	0.048194	7.664416	0.433127	0.670221	0.762844	-7.45305	7.456098	7.543868	7.551899	7.614996	7.774824	7.606483	7.082655	7.03502	7.12131	7.660432	7.587335	7.657505	8.099893	8.054845	8.009663	8.146363	8.062137	8.02983
B9D1	ENSG0000	0.592014	3.702111	5.717074	2.26E-05	0.000238	2.710199	3.551922	3.936954	3.586821	4.052041	4.258538	4.226032	4.225415	3.967564	4.270596	3.036317	3.166245	3.109727	4.006532	4.164465	3.968435	3.630901	3.772348	3.779675
UTP6	ENSG0000	-0.30723	6.556984	-5.24732	5.99E-05	0.000506	1.223647	6.583748	6.669061	6.545359	5.812513	5.735694	5.870309	6.220196	6.227963	6.19743	7.154487	7.088609	7.184387	6.753525	6.79179	6.779379	6.891823	6.901661	6.915194
DDX5	ENSG0000	0.05619	9.899149	1.367396	0.18883	0.29145	-6.76493	9.806925	9.779066	9.747745	9.617832	9.56938	9.63181	9.860119	9.931866	9.909931	10.09395	10.08413	9.997104	9.954795	10.01299	10.04642	10.00489	10.0334	10.13062
C17orf75	ENSG0000	-0.39222	4.754821	-6.90917	2.17E-06	4.00E-05	4.886412	5.616234	5.617724	5.517107	4.99368	4.905853	4.97456	5.243334	5.150979	5.179186	4.626786	4.57368	4.671058	4.147483	4.250194	4.351192	4.280646	4.211138	4.311289
CYTH1	ENSG0000	-0.1133	6.933365	-3.50391	0.002628	0.010115	-2.59386	7.136904	7.133768	7.16711	6.853246	6.771164	6.845703	7.143007	7.028647	7.081787	7.050708	7.011134	7.075869	6.680177	6.716712	6.661089	6.924545	6.87416	6.865242
PSMD11	ENSG0000	0.038477	7.762157	0.927051	0.366526	0.488392	-7.1035	8.20904	8.272398	8.218326	8.049868	8.058283	8.036329	8.40784	8.36331	8.377822	7.49261	7.45772	7.481047	7.105805	7.034973	7.083935	7.43316	7.348792	7.418447
LGALS3BP	ENSG0000	0.08364	10.41359	1.344357	0.196023	0.300307	-6.81959	10.01751	10.003	10.10529	10.56722	10.62907	10.52717	10.04913	9.959101	10.05236	10.49329	10.42986	10.49465	10.75432	10.72752	10.71354	10.6286	10.67153	10.64159
CCL2	ENSG0000	-1.60458	-1.65299	-3.65778	0.001875	0.007695	-1.15756	3.026682	3.142112	3.133821	1.634586	1.817192	1.250575	1.389995	1.491012	1.445026	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
PEX12	ENSG0000	-0.03341	4.031994	-0.37333	0.71339	0.796739	-6.86618	4.712298	4.729112	4.55869	4.375995	4.149079	4.28655	4.723921	4.644388	4.475104	3.695491	3.640966	3.779618	3.809739	3.772912	3.773698	3.743628	3.728346	3.641153
DHX58	ENSG0000	-0.36131	3.279088	-3.04766	0.007103	0.022114	-2.96744	3.710582	3.804029	3.914407	2.766336	2.970101	2.784269	2.981245	3.196885	3.00245	4.048869	3.748453	3.625013	3.429485	3.38415	3.308792	3.698273	3.698248	3.679412
KAT2A	ENSG0000	0.347034	6.23949	8.138967	2.37E-07	6.82E-06	6.947692	6.284277	6.291664	6.428564	6.523489	6.512199	6.370669	6.760168	6.652807	6.656763	5.8825	5.981732	5.798311	5.990046	5.926312	5.966597	6.218282	6.201498	6.225761
RAB5C	ENSG0000	-0.07545	5.653297	-1.66161	0.114422	0.198237	-5.96759	5.85584	5.81846	5.787794	5.707722	5.726197	5.791585	5.719113	5.578506	5.653661	5.575711	5.54815	5.658231	5.645688	5.699488	5.706532	5.533662	5.647541	5.635005
NAGLU	ENSG0000	0.399273	4.635231	4.135191	0.000657	0.003336	-0.80229	4.138162	4.318312	4.16017	5.733834	5.905185	5.711078	4.723921	4.715948	4.436456	3.97421	4.045764	4.144017	5.188526	5.10974	5.084783	4.37837	4.395944	4.416967
MLX	ENSG0000	0.172325	6.578134	3.258169	0.004499	0.015466	-3.08588	6.485643	6.565063	6.437331	6.601785	6.580549	6.549545	6.820543	6.785736	6.820294	6.634917	6.469968	6.662095	6.462761	6.466846	6.422229	6.557281	6.623981	6.740733
CNTNAP1	ENSG0000	0.320491	4.109937	2.266024	0.03641	0.080753	-4.38735	5.173901	5.297514	5.372225	6.719166	6.786476	6.810071	5.590171	5.546744	5.591697	1.76051	1.945166	2.104662	3.845296	3.793216	3.928025	2.432936	2.233409	2.091498
EZH1	ENSG0000	-0.54127	4.286662	-3.71474	0.001654	0.006951	-1.71402	5.045778	4.835117	5.05661	4.072648	4.030628	4.121933	4.358069	3.956862	4.243986	4.35077	4.374156	4.358889	4.512278	4.488812	4.500385	3.951202	4.145732	4.129778
DLX4	ENSG0000	-0.28163	1.296131	-1.14401	0.268046	0.384508	-5.58992	2.021155	1.508929	2.109199	1.978268	2.549605	1.880533	2.303642	1.367163	2.274723	1.646779	1.899254	1.67541	1.878105	1.793303	1.900186	1.214313	1.16325	1.665483
PPP1R9B	ENSG0000	0.213917	6.395035	2.204443	0.041159	0.089011	-5.15319	6.298404	6.377503	6.41235	6.884177	7.071617	6.942912	6.655407	6.656119	6.594935	6.139301	6.076316	6.226892	6.115998	6.082954	6.017005	6.349808	6.268324	6.265602
COL1A1	ENSG0000	-0.17086	4.44975	-1.70386	0.106119	0.187201	-5.69662	4.158957	3.855322	4.345467	4.367681	4.301803	4.454215	3.507292	3.3682	3.572114	4.803043	4.86395	4.828401	5.576346	5.301484	5.52492	4.902958	4.881053	4.806527
MRPL27	ENSG0000	-0.23989	5.849467	-4.82884	0.000146	0.001018	0.441828	6.326249	6.381882	6.304671	6.041444	5.984333	6.009218	5.943836	5.962395	6.028417	5.747627	5.629491	5.788295	5.600328	5.614563	5.596651	5.59858	5.670976	5.531613
VAT1	ENSG0000	-0.4639	7.851825	-2.25896	0.036928	0.081663	-5.18468	8.960369	8.933449	8.965968	7.9455	8.02575	7.915783	8.010074	8.01819	7.997906	7.176427	7.137629	7.222542	7.850282	7.815281	7.826688	7.236425	7.185493	7.234746
LRRC59	ENSG0000	0.145562	8.277069	3.118792	0.00609	0.019742	-3.50683	8.676836	8.67105	8.628129	8.644106	8.693405	8.64645	8.644732	8.660274	8.659924	7.809099	7.75097	7.828829	7.836782	7.822296	7.830999	8.093853	8.080484	8.098944
HDAC5	ENSG0000	-0.36979	4.684118	-2.16254	0.044709	0.094888	-5.02102	4.605251	4.569336	4.574673	3.633621	3.923901	3.523386	4.057185	3.988732	4.021828	5.264796	5.329736	5.285361	5.926252	5.804908	5.836971	5.069967	5.104049	4.958165
ABCC3	ENSG0000	-0.14093	6.462029	-1.16702	0.258878	0.37407	-6.67243	7.613787	7.654789	7.785559	7.536507	7.655647	7.722602	7.237072	7.205184	7.3191	5.424305	5.452044	5.334367	5.295224	5.162721	5.269387	5.548343	5.722354	5.769665
LUC7L3	ENSG0000	-0.28308	6.902031	-6.53345	4.45E-06	6.84E-05	3.867801	7.291644	7.317973	7.289981	6.807876	6.755688	6.864436	6.867405	7.000265	6.901992	6.997329	6.965218	6.934313	6.696261	6.714939	6.742404	6.764798	6.762236	6.787461
MPP2	ENSG0000	-0.07632	2.139046	-0.58739	0.564456	0.674459	-6.38366	2.744313	2.90305	2.758051	2.325974	1.817192	1.714252	2.058296	2.568641	2.616448	2.635389	2.66072	2.735323	2.062048	2.084417	2.07955	2.855159	2.895091	2.687355
SMURF2	ENSG0000	0.151841	5.786488	2.756246	0.013247	0.03641	-4.0842	4.896929	4.715296	4.777019	4.701197	4.573001	4.543715	4.716879	4.547856	4.700591	6.906044	6.898961	6.819138	6.884419	6.859146	6.849829	7.116559	7.093817	7.194858
DUSP3	ENSG0000	0.235446	7.401032	3.054913	0.006993	0.021876	-3.56571	7.679427	7.64632	7.645037	7.975902	7.874194	7.915184	7.81283	7.784744	7.863065	6.672637	6.632255	6.639989	7.462133	7.468072	7.44469	6.987844	6.860635	7.021404
EFTUD2	ENSG0000	-0.27001	7.859828	-5.33133	5.03E-05	0.000443	1.319178	8.363715	8.32338	8.301911	7.786187	7.838646	7.854636	7.880568	7.896066	7.913888	7.851831	7.796296	7.835835	7.654443	7.549901	7.602032	7.711506	7.675226	7.757683
HLF	ENSG0000	0.144525	0.621492	0.687651	0.500697	0.617567	-6.03426	0.667115	0.582935	0.598525	0.934951	1.307481	1.250575	1.074544	0.387194	0.629397	1.787595	2.135404	2.243088	2.28558	2.148862	2.34809	2.283004	2.101639	2.119598
SLC16A6	ENSG0000	1.08992	5.503799	3.457506	0.00291	0.010964	-2.00473	8.332782	8.244213	8.349522	9.684199	9.531487	9.667626	9.48127	9.498285	9.546059	2.763691	2.485369	2.460504	1.573426	1.681564	1.801384	2.300453	2.518186	2.629903
PRKAR1A	ENSG0000	0.293588	8.722594	2.379038	0.028992	0.067373	-5.01654	8.801925	8.832808	8.805645	9.602413	9.581061	9.584011	9.489041	9.467044	9.522035	8.27728	8.228951	8.218266	8.072829	8.112875	8.113056	8.094166	8.146409	8.126468
EFNB3	ENSG0000	1.033183	1.713322	5.005746	9.99E-05	0.000756	1.451906	0.587539	0.316291	0.421314	2.325974	2.605925	2.581827	1.074544	1.549165	1.171446	2.37464	2.437987	2.558044	4.334248	4.354074	4.284167	3.171932	3.009816	3.065099
YWHAE	ENSG0000	-0.07654	9.231812	-2.61957	0.017657	0.045593	-4.59136	9.757502	9.733386	9.711913	9.569489	9.520541	9.538661	9.717681	9.692621	9.706113	8.951229	8.870141	8.891226	8.715154	8.760548	8.7438	8.747103	8.791663	8.800665

MMD	ENSG0000	-0.71385	4.049273	-4.01602	0.000853	0.004118	-1.10624	3.878801	4.12286	4.117166	3.619685	3.656958	3.432575	2.480375	2.420731	2.376228	5.501993	5.467858	5.465856	4.290695	4.450973	4.406863	5.018176	5.063304	5.157678
RANGRF	ENSG0000	0.514213	4.58719	7.348552	9.61E-07	2.09E-05	5.756076	4.846543	4.80064	4.892035	5.156973	5.305047	5.242382	5.547145	5.323347	5.427983	3.914031	3.66174	4.016833	4.32708	4.230476	4.297823	4.280646	4.205799	4.280507
DPH1	ENSG0000	-0.02753	4.480829	-0.31831	0.754021	0.827709	-6.96823	5.118357	4.921884	4.95851	4.99368	5.128856	4.997371	4.914487	4.944392	4.878354	3.895476	3.884278	4.003908	4.470601	4.416485	4.448272	4.057652	3.876817	3.992166
MAP2K6	ENSG0000	1.734524	3.049814	6.560208	4.23E-06	6.56E-05	4.480415	3.100204	3.310847	3.431666	4.746789	4.641964	4.662649	5.324334	5.447033	5.404147	1.964162	1.8028	1.780195	2.357702	2.565626	2.528806	2.115663	2.101639	2.003758
DHRS7B	ENSG0000	-0.01301	4.084325	-0.14555	0.885939	0.924156	-7.03222	3.801557	3.904854	3.845818	3.875646	4.158524	3.828257	3.841036	4.09991	4.16108	4.600298	4.558991	4.60982	4.187612	4.240369	3.996621	4.530299	4.386537	4.45606
WSB1	ENSG0000	0.070756	6.649122	0.446192	0.660937	0.755839	-7.30859	6.912419	6.804633	6.886808	7.897938	7.682904	7.857755	7.133784	7.129773	7.179806	6.176918	6.264627	6.148806	5.879245	5.968584	5.985004	5.936577	6.092904	6.041596
SLC9A3R1	ENSG0000	0.086821	6.417583	1.285594	0.215358	0.323833	-6.63705	5.446195	5.381559	5.378308	5.015132	5.14795	5.199746	5.315037	5.255104	5.265504	7.449803	7.440292	7.483765	7.729758	7.762195	7.737222	7.707833	7.629107	7.592698
NAT9	ENSG0000	-0.04775	6.022073	-1.0453	0.310125	0.429805	-6.83714	5.82147	5.770277	5.736621	5.626427	5.690831	5.860389	5.781194	5.862728	5.785592	6.445965	6.290423	6.352008	6.365533	6.268422	6.375769	6.272339	6.232019	6.276563
TMEM104	ENSG0000	0.352885	5.422454	3.793414	0.001391	0.00609	-1.77023	4.740165	4.747329	4.777019	5.536571	5.803491	5.66623	5.422829	5.127313	5.150819	5.512178	5.523772	5.524349	5.870643	5.715534	5.818141	5.863618	5.737233	5.708538
VTN	ENSG0000	-0.72674	0.196411	-1.61172	0.124933	0.212452	-4.77997	4.744758	4.992316	4.95851	6.730558	6.889334	6.841927	4.068294	4.357565	4.021828	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TNFAIP1	ENSG0000	0.287301	7.125407	3.969294	0.000945	0.004471	-1.56826	7.382858	7.259675	7.280267	7.645406	7.631262	7.660361	7.526049	7.497809	7.576252	6.347019	6.366209	6.438602	7.285266	7.165311	7.201209	6.716056	6.767681	6.712183
IFT20	ENSG0000	-0.0286	4.969916	-0.53983	0.596126	0.69948	-7.04422	4.758449	4.751848	4.749122	5.087795	5.26188	5.110498	4.681143	4.610649	4.770621	5.131086	5.113047	5.085161	5.32071	5.284851	5.299114	5.077578	5.16584	5.052285
TMEM97	ENSG0000	0.151288	5.747077	0.989508	0.335917	0.45675	-6.86186	5.838758	5.877545	5.918779	5.674404	5.694082	5.796796	6.034424	6.124179	6.059269	6.126099	6.030465	6.11013	4.750591	4.732581	4.653399	6.197476	6.178517	6.183125
CDR2L	ENSG0000	0.028	4.511861	0.172599	0.864949	0.909388	-7.09254	3.84498	3.777682	3.931056	4.910272	4.987618	4.992837	3.828023	3.833587	3.681923	4.848768	4.978771	4.95467	5.060393	4.959137	4.935528	5.105146	4.870969	4.95427
PMP22	ENSG0000	0.828642	4.11758	3.918536	0.001057	0.004889	-0.98874	5.598583	5.685425	5.602736	6.714257	6.698559	6.765586	6.644315	6.6022	6.61411	2.444376	2.249583	2.546206	2.399306	2.326537	1.876113	2.211015	2.190809	2.302316
UNC119	ENSG0000	-0.16207	4.611617	-2.74173	0.01366	0.037315	-3.80496	4.973272	4.925889	5.037516	5.0571	5.138434	4.903882	4.765467	4.819999	4.825493	4.313985	4.529155	4.482057	4.571104	4.51757	4.342433	4.336692	4.313961	4.255399
ALDOC	ENSG0000	0.287435	5.412458	2.144268	0.046343	0.097715	-5.17105	5.606174	5.647129	5.576519	4.784753	4.439897	4.633822	5.81126	5.761822	5.983548	5.364851	5.471785	5.413061	5.49233	5.451674	5.426825	5.669122	5.830372	5.710849
SUPT6H	ENSG0000	0.245753	8.081459	5.154578	7.29E-05	0.000591	0.933642	7.899793	7.899941	8.008826	8.405054	8.432824	8.468509	8.381361	8.336728	8.284616	7.814048	7.858726	7.726659	8.132895	8.090831	8.129378	7.888156	7.900118	7.908241
RAB34	ENSG0000	0.463213	6.710993	5.069715	8.72E-05	0.000682	0.879619	6.661101	6.695103	6.740992	7.622004	7.625313	7.548199	7.336905	7.358395	7.327573	6.02018	6.11449	6.123138	6.289208	6.298326	6.284978	6.389076	6.333415	6.304372
PHF12	ENSG0000	-0.01986	5.503522	-0.24899	0.806271	0.866304	-7.2652	5.353017	5.218099	5.49208	5.833796	5.610519	5.617001	5.418495	5.423907	5.136423	5.6347	5.677882	5.63327	5.544252	5.666849	5.507395	5.63686	5.603561	5.644707
TMEM33	ENSG0000	-0.19211	7.571445	-5.95784	1.39E-05	0.000164	2.648153	7.740487	7.72369	7.745527	7.527205	7.400966	7.442457	7.610168	7.559236	7.612241	7.804549	7.782136	7.740036	7.346367	7.389124	7.384633	7.559013	7.51287	7.546871
SLAIN2	ENSG0000	1.57241	6.21264	24.92811	4.18E-15	2.76E-11	24.6826	4.961483	4.99613	5.033667	6.571337	6.625516	6.624723	6.861031	6.79628	6.758969	5.464721	5.423946	5.432483	6.79503	6.738689	6.805107	6.797426	6.780307	6.776472
OCIAD1	ENSG0000	0.067666	8.008733	1.810637	0.087422	0.160727	-5.97902	8.281947	8.275148	8.223403	8.428226	8.310529	8.388367	8.361178	8.430118	8.400589	7.67365	7.667839	7.718441	7.617463	7.749696	7.680145	7.624558	7.708165	7.724904
DCUN1D4	ENSG0000	0.24307	5.539602	3.604039	0.00211	0.008419	-2.1829	5.523064	5.363957	5.443586	5.918767	5.896744	5.820014	5.83422	5.9217	5.900795	5.481405	5.316696	5.229089	5.448413	5.483259	5.52492	5.340537	5.394214	5.450971
USP46	ENSG0000	0.052341	5.102332	0.827708	0.418994	0.540801	-6.86536	5.253402	5.384472	5.325763	5.0571	5.075006	5.261353	5.535185	5.535999	5.325957	5.052315	5.003394	4.945687	4.950405	4.965115	5.039439	5.012893	4.962447	4.934632
SULT1E1	ENSG0000	-0.03128	-1.39234	-0.10273	0.919349	0.94694	-6.13874	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	1.457372	1.369793	1.718241	2.902055	2.686334	2.689384	1.320757	1.368306	1.222783
CHIC2	ENSG0000	-0.20387	2.399017	-1.58327	0.131287	0.220606	-5.40054	2.438959	2.356396	2.37563	2.21912	2.03796	2.258349	2.513265	2.220554	2.376228	2.930935	2.969234	3.172678	3.108457	3.357127	3.353069	2.901634	2.921385	2.507643
NMU	ENSG0000	-0.18771	1.072728	-0.67598	0.5079	0.623754	-6.25078	0.742531	0.940485	0.829201	0.635873	0.625525	0.461789	1.074544	1.658879	1.38134	2.510897	2.485369	2.735323	3.353912	3.38415	3.234995	2.055273	2.233409	2.419973
CRACD	ENSG0000	-0.12665	2.699917	-0.44181	0.664042	0.758335	-6.41099	3.114469	3.027527	3.190238	4.245952	4.65537	4.351728	2.637802	3.063581	2.846105	2.47802	2.303453	2.510098	2.343563	2.451029	2.276326	2.539649	2.48331	2.350536
LAMTOR3	ENSG0000	0.23108	5.463931	1.918542	0.071526	0.13752	-5.54568	4.917414	4.860445	4.804386	5.363409	5.279302	5.265117	5.661594	5.686091	5.660384	5.744175	5.75079	5.634668	5.853284	5.926312	5.914363	5.546516	5.572787	5.528997
NFKB1	ENSG0000	-0.08993	6.287427	-1.38469	0.183571	0.285469	-6.46502	6.557884	6.576571	6.549409	5.996317	5.986987	5.958972	6.452032	6.31224	6.468472	6.377422	6.316858	6.339202	6.237578	6.244045	6.208716	6.308363	6.339522	6.287442
AREG	ENSG0000	-0.40802	5.434263	-3.6366	0.001964	0.007988	-2.20691	4.794334	4.877086	4.696533	3.999198	3.945887	3.786958	3.904396	3.535768	3.879258	7.313187	7.232095	7.419518	6.041316	5.999495	6.042916	7.086698	7.160874	7.039902
MANBA	ENSG0000	0.151422	4.612023	1.907929	0.072967	0.139743	-5.35735	4.206344	4.065935	4.011539	5.329563	5.089893	5.114677	4.011872	4.221128	4.252911	4.600298	4.419586	4.63239	5.340423	5.310903	5.350253	4.768358	4.706825	4.7174
UBE2D3	ENSG0000	0.548212	8.187622	9.918214	1.34E-08	8.31E-07	9.758588	7.655847	7.669791	7.631731	8.36802	8.257125	8.301679	8.400716	8.374913	8.436774	7.998138	8.007808	8.054255	8.368893	8.404419	8.389044	8.401375	8.335185	8.415318
ELF2	ENSG0000	0.107762	4.476873	1.428404	0.170802	0.270364	-6.10866	4.538049	4.429669	4.339244	4.416862	4.158524	4.121933	4.772276	4.759705	4.866774	4.789709	4.732663	4.643544	4.427684	4.472117	4.364231	4.60593	4.656838	4.680149
NDUFC1	ENSG0000	0.182762	5.65121	3.595173	0.002151	0.008556	-2.23176	5.891483	5.975457	5.854773	5.7563	5.63102	5.663381	6.15916	6.219034	6.190479	5.373815	5.500898	5.524349	5.297059	5.265605	5.310386	5.62479	5.519992	5.50523
TBC1D9	ENSG0000	-0.6845	5.210305	-11.9464	7.74E-10	9.18E-08	12.86997	5.197545	5.250391	5.303557	5.821673	5.882565	5.897242	4.454362	4.482206	4.41276	5.230663	5.155166	5.252955	6.077005	6.015426	6.168399	4.63373	4.683969	4.641909
ZNF330	ENSG0000	-0.10603	5.549209	-1.07398	0.297434	0.416349	-6.73577	5.757007	5.71581	5.623372	5.1079	5.013874	5.167927	5.821145	5.876989	5.703339	5.718015	5.758847	5.810733	5.564203	5.665014	5.609485	5.467617	5.504857	5.575386
INPP4B	ENSG0000	-0.46769	4.786008	-2.71314	0.014509	0.039058	-4.05495	4.158957	4.287521	4.242513	3.06262	2.881616	2.961768	3.523527	3.232814	2.892531	6.202301	6.242964	6.130093	6.675246	6.733445	6.78262	5.909826	5.883166	5.888745
GAB1	ENSG0000	0.181126	3.387741	1.233583	0.233691	0.345025	-6.02584	2.392887	2.674627	2.492412	4.072648	4.040879	4.071231	3.094248	3.083395	3.104585	3.552807	3.848485	3.413246	4.344933	4.394504	4.464508	3.272618	3.829005	3.540816
KLHL2	ENSG0000	-0.0858	5.45094	-0.84537	0.409331	0.531109	-6.89738	5.432027	5.349122	5.300357	5.833796	5.561519	5.759919	5.67619	5.510612	5.760779	5.548259	5.399419	5.365015	5.652873	5.777993	5.659706	5.077578	5.027439	5.041309
CPE	ENSG0000	0.19139	4.879844	3.496724	0.00267	0.010239	-2.40899	3.026682	3.310847	3.371944	4.031135	3.832443	3.838399	3.178682	3.318907	3.453254	5.964895	6.119505	5.980882	7.050844	7.050519	7.069412	6.247814	6.238569	6.198027
RPL34	ENSG0000	-0.16388	8.082561	-3.5394	0.002431	0.009487	-2.60633	8.194006	8.136458	8.033128	7.900102	7.905385	7.882473	7.894679	7.89256	7.928583	8.257135	8.23069	8.17616	8.226879	8.287926	8.322403	8.094478	8.078295	8.144102
WFS1	ENSG0000	0.343281	4.586024	2.059519	0.05466	0.111202	-4.98842	5.443372	5.401827	5.528093	5.491368	5.700562	5.587238	5.847177	5.606164	5.673738	3.145032	3.330936	3.149392	4.404034	4.288839	4.329194	3.768919	3.713375	3.540816
GRPEL1	ENSG0000	-0.23659	7.077541	-3.76085	0.001495	0.006435	-2.05518	7.735304	7.67753	7.678701	6.583952	6.741617	6.572513	7.240759	7.258446	7.259461	7.238474	7.190408	7.252448	6.553081	6.571452	6.495168	7.213005	7.192257	7.147025
GAR1	ENSG0000	-0.23052	5.779362	-2.72384	0.014185	0.038362	-4.12317	5.768329	5.898074	5.757775	4.944216	5.059965	5.006395	5.609312	5.447033	5.556087	6.29959	6.219803	6.333187	6.084464	6.132932	6.128197	6.127097	6.107292	6.056209
FRG1	ENSG0000	-0.31407	4.817584	-2.45831	0.024659	0.059408	-4.43628	5.613726	5.673567	5.452263	4.59836	4.544465	4.55606	5.125963	5.127313	5.313214	4.75239	4.644965	4.788762	4.601127	4.612034	4.70214	4.406844	4.525868	4.646745
CLCN3	ENSG0000	0.153638	7.000969	1.55318	0.1383	0.229715	-6.27897	7.121095	7.159503	7.050044	7.701889	7.58034	7.726703	7.591038	7.642567	7.536604	6.642355	6.673753	6.663466	6.557682	6.624351	6.551355	6.436212	6.468832	6.510753
AADAT	ENSG0000	0.145161	4.17566	2.308581	0.033431	0.075604	-4.58477	4.548594	4.418344	4.458888	4.227693	4.1957	4.315882	4.528631	4.444399	4.41276	4.151473	4.14254	3.999574	3.884887	3.915568	3.939687	4.422866	4.258317	4.359215
GALNT7	ENSG0000	0.772278	6.990468	3.771437	0.00146	0.00631	-1.98752	5.752454	5.83559	5.710337	8.170083	8.038596	8.160769	6.833623	6.781193	6.768335	6.713814	6.661772	6.650393	7.391304	7.410092	7.522358	7.276104	7.166381	7.225079
DHX15	ENSG0000	0.078375	8.45101	1.842916	0.082369	0.153819	-5.97261	8.444276	8.411339	8.412385	8.365935	8.266437	8.301221	8.642411	8.629438	8.632404	8.613956	8.589403	8.557603	8.249804	8.214861	8.238441	8.55557	8.519949	8.549829
SEPSECS	ENSG0000	0.002818	4.026345	0.025067	0.980286	0.987078	-7.00743	4.339825	4.184325	4.339244	3.898911	3.426184	3.700636	4.321396	4.413424	4.17992	4.119853	4.228596	4.025385	4.155599	4.195307	4.20424	4.072963	4.195062	4.094818
TRIM2	ENSG0000	0.125719	6.495014	0.891518	0.384761	0.506623	-7.00902	5.944347	5.938276	5.904096	7.235524	7.201803	7.200503	6.534451	6.493476	6.403833	6.483718	6.551075	6.460843	6.723813	6.68989	6.669867	6.188132	6.268324	6.325637
FBXW7	ENSG0000	0.224121	4.727443	3.538159	0.002438	0.009503	-2.21556	4.762983	4.961437	4.739702	4.687901	4.360275	4.656929	4.744844	4.976535	4.994649	4.735102	4.709571	4.69538	4.673561	4.671739	4.663983	5.039116	5.018332	5.004109
NEIL3	ENSG0000	0.286443	3.404498	1.44092	0.167283	0.266065	-5.70065	5.411954	5.482886	5.390399	3.977507	4.249727	3.858473	5.93476	5.981	5.791729	3.0698	3.076267	3.164958	0.907968	1.032323	0.910419	2.866919	2.500854	2.830235
TBC1D19	ENSG0000	0.178166	3.982736	2.165976	0.044408	0.094501	-4.65865	4.905158	4.872944	4.946277	5.161789	5.039662	5.227023	5.193472	5.160337	5.174497	2.881509	3.044983	3.149392	3.360948	3.282491	3.308792	3.001034	2.934355	3.121769
NSD2	ENSG0000	-0.05272	6.829784	-0.44617	0.660954	0.755839	-7.37449	7.587822	7.588128	7.590403	6.872472	6.98932	6.854475	7.41295	7.499653	7.473103	6.893632	6.856795	6.808647	5.354592	5.375169	5.435088	6.877361	6.916443	6.823142
SH3D19	ENSG0000	-0.24296	5.840751	-4.09097	0.000724	0.003597	-1.17658	5.784032	5.685425	5.703085	5.842822	5.865364	6.051247	5.253102	5.263813	5.247756	5.958951	5.970675	6.051671	6.418764	6.393382	6.384329	5.936577	5.862958	5.936917
STIM2	ENSG0000	0.367192	5.322788	1.498407	0.151871	0.247099	-6.12013	4.640181	4.813666	4.758481	6.398473	6.375108	6.393204	5.444307	5.376512	5.342774	5.193173	5.329736	5.267448	5.083973	5.065909	4.989822	5.315009	5.412868	5.311765
MFSD10	ENSG0000	-0.34463	6.750634	-1.98448	0.06313	0.124554	-5.59084	7.401156	7.480619	7.559281	6.508442	6.700177	6.4069	6.76188	6.631095	6.817288	6.313634	6.521073	6.614707	6.934213	6.80851	6.765522	6.668972	6.604842	6.268742
GLRB	ENSG0000	-0.25665	3.479431	-2.13984	0.046747	0.098382	-4.68807	3.774862	3.741788	3.688245	3.740513	3.441741	3.722706	3.440463	3.462004	3.844255	3.488234	3.447177	3.608031	3.928165	3.933972	3.962731	3.227721	3.093137	3.421736
BST1	ENSG0000	0.346805	1.573521	0.81018	0.428731	0.550229	-5.72776	4.131163	4.354415	3.931056	6.653998	6.557529	6.659462	4.445869	4.428995	4.3476	0.34397	0.259702	0.288049	0.407676	0.345231	0.470356	0.686723	0.504542	0.497646
RAPGEF2	ENSG0000	-0.01148	6.527077	-0.05911	0.953536	0.970017	-7.38227	7.910563	7.803121	7.802624	6.94132	6.794071	6.95578	7.869497	7.912082	7.963661	5.487612	5.540693	5.456399	5.812803	5.809899	5.721809	5.43836	5.299655	5.33891
SNX25	ENSG0000	0.247495	3.889722	2.482259	0.023475	0.057183	-4.13843	4.179456	3.838426	3.914407	4.540361	4.447623	4.460795	4.367093	4.497055	4.372382	3.599408	3.66174	3.722908	3.730461	3.637228	3.72061	3.552967	3.659719	3.922098
UFSP2	ENSG0000	0.14582	4.802383	1.916352	0.071821	0.13792	-5.40305	4.992709	5.055819	4.946277	4.892995	4.789085	4.908703	5.009762	5.053893	5.03142	4.581075	4.570022	4.512795	4.782385	4.875912	5.028559	4.736662	4.76606	4.86164
KLF3	ENSG0000	-0.05148	6.172008	-0.71531	0.483863	0.602154	-7.11799	6.350557	6.355404	6.280513	6.430757	6.381172	6.497692	6.57201	6.487911	6.555805	6.093911	6.096801	6.0621	5.962555	6.008206	5.953715	5.717014	5.750126	5.91704
KLHL5	ENSG0000	-0.15154	7.26644	-2.10173	0.050362	0.104244	-5.45628	7.002423	7.050938	6.957588	6.660819	6.618689	6.645089	6.532447	6.758264	6.665144	7.73233	7.737579	7.723049	7.941114	7.827227	7.936252	7.711506	7.726922	7.753766
NCAPG	ENSG0000	0.015027	4.458357	0.058644	0.953901	0.97025	-7.10189	5.294704	5.201677	5.176661	4.971905	4.668652	4.819357	5.452809	5.5324	5.400136	4.886838	4.910981	4.895252	2.178139	2.381211	2.382676	4.654234	4.473517	4.72199
UGDH	ENSG0000	-0.28658	8.461263	-4.74495	0.000174	0.001173	0.030268	9.6496	9.67436	9.66665	8.719546	8.80324	8.691557	9.448432	9.504039	9.458357	8.009326	7.949517	8.0247	7.334352	7.337638	7.304597	7.581045	7.592245	7.64499
PPARGC1A	ENSG0000	0.436811	2.037358	2.413377	0.027034	0.063784	-3.7249	2.296082	2.283367	2.248556	4.562385	4.343809	4.610338	2.832807	2.916694	2.798137	1.676063	1.112482	1.158083	2.51737	2.756951	2.433049	1.286141	1.329561	1.170016
HTATIP2	ENSG0000	-0.04756	6.1166	-0.95219	0.353982	0.475279	-6.8585	7.027139	6.945416	6.899554	7.013707	6.999867	7.011748	6.977569	6.975295	6.910477	5.257549	5.256515	5.383428	5.404821	5.417203	5.477706	5.284643	5.054421	5.255893
CTSC	ENSG0000	0.242266	9.506892	4.529887	0.000278	0.00168	-0.5003	9.550125	9.584122	9.583359	10.31926	10.28586	10.34887	9.951075	9.942754	9.942532	8.928785	8.905951	8.916878	9.257537	9.288273	9.284405	8.983709	9.044911	9.044826
CCDC34	ENSG0000	-0.21127	3.060878	-2.52016	0.02171	0.05361	-3.91584	3.593253	3.59862	3.576275	3.123142	3.207016	3.321269	3.33403	3.335526	3.181386	3.196464	3.287042	3.445469	2.683738	2.811056	2.846311	3.254827	3.171908	3.215882
ELP4	ENSG0000	0.350339	2.610998	3.167912	0.005475	0.018112	-2.50666	2.629805	2.802095	2.700947	3.142765	2.991399	2.924168	2.933443	3.178579	3.181386	2.620402	2.877496	2.693003	2.542344	2.533802	2.481722	2.819293	2.972579	3.093712
ZPR1	ENSG0000	0.119743	6.83614	3.247966	0.0046	0.015761	-3.14405	6.416805	6.419291	6.314222	6.424759	6.428788	6.435578	6.434968	6.487911	6.554	7.20056	7.103238	7.213215	7.319078	7.266807	7.380895	7.346043	7.287569	7.260213
MTCH2	ENSG0000	-0.10582	6.574831	-2.78069	0.012579	0.034978	-4.0569	7.08714	7.082671	7.072729	6.969064	6.902042	7.066704	7.006734	6.93633	7.023006	6.262665	6.178356	6.282357	6.051137	6.20921	6.138353	6.145318	6.101554	6.125399
FNBP4	ENSG0000	-0.06937	5.579951	-1.18702	0.251104	0.365431	-6.56729	5.808367	5.809819	5.889263	6.147234	5.95482	6.133861	5.750487	5.885479	5.819027	5.477252	5.285805	5.327468	5.293386	5.401859	5.303633	5.244639	5.211838	5.265357
SC5D	ENSG0000	-0.17616	5.921731	-1.97078	0.064797	0.127245	-5.54329	5.517707	5.592753	5.688471	5.384166	5.217382	5.352637	5.679816	5.669801	5.738712	6.467061	6.456161	6.461631	6.52046	6.485682	6.436704	6.109881	6.218828	6.052569
JHY	ENSG0000	-0.64776	1.428755	-2.4091	0.027271	0.064222	-3.69469	2.996191	3.012542	2.848472	2.577385	2.078331	2.258349	2.186178	2.147141	1.674905	1.315703	1.435603	1.219002	1.916818	1.622273	1.639204	1.65509	1.289746	1.115245
HSPA8	ENSG0000	0.214231	11.67871	2.710161	0.014601	0.039212	-4.55934	11.59362	11.60326	11.59038	12.02817	11.97346	11.99094	11.83929	11.79836	11.82367	11.61111	11.52544	11.47704	11.34949	11.39173	11.4097	11.70621	11.72403	11.7891
VWA5A	ENSG0000	0.141828	4.27485	1.016958	0.323045	0.442799	-6.04762	7.233196	7.242118	7.202685	7.441667	7.418763	7.434121	7.356296	7.367514	7.378412	1.423238	1.644832	1.46518	2.178139	2.269709	2.161508	1.571317	1.737342	1.461048
DNAJC4	ENSG0000	0.00127	4.278218	0.020578	0.983815	0.989891	-7.01169	3.983545	4.17089	4.102541	4.640378	4.628433	4.67402	4.185161	3.935218	4.198517	4.212707	4.087306	4.289577	4.933985	4.9104	4.851597	4.21775	4.123255	4.242679
SIAE	ENSG0000	0.339517	5.536827	5.045614	9.18E-05	0.000708	1.03152	5.677569	5.651972	5.519862	6.862152	6.850524	6.864436	6.054115	6.109759	6.155213	4.513734	4.51019	4.478947	5.729627	5.726134	5.709941	4.598895	4.572242	4.749225
LPXN	ENSG0000	-0.19832	1.436745	-0.86771	0.397312	0.51893	-5.98209	1.861169	1.780637	2.166567	1.840866	1.768674	1.123626	1.648695	1.945386	1.38134	2.204194	2.469748	1.718241	2.027088	2.50126	2.10048	2.229352	2.124453	1.665483
DTX4	ENSG0000	-0.02312	3.880746	-0.44701	0.660361	0.755463	-7.08251	1.990546	2.068355	1.921989	2.791417	2.429905	2.719893	2.01302	2.255906	2.165532	5.80177	5.770051	5.71749	6.198834	6.165747	6.147181	5.679162	5.720484	5.742817
ATG2A	ENSG0000	-0.30934	5.198579	-1.63963	0.118956	0.20455	-5.89523	4.674285	4.614695	4.848876	6.069909	6.051781	5.97515	4.420085	4.175703	4.216877	5.473087	5.54629	5.507659	5.735053	5.722609	5.579982	5.319295	5.314612	5.11644
EHD1	ENSG0000	-0.57202	7.505181	-3.90499	0.001089	0.005004	-1.77728	7.820436	7.876339	7.916739	6.617648	6.752573	6.624723	6.962762	6.866575	6.971222	7.921499	7.877347	8.120118	7.978193	7.882364	7.947848	7.822487	7.72319	7.568693
OSBP	ENSG0000	0.067114	6.754824	1.673298	0.112071	0.195257	-6.11127	6.171116	6.350944	6.259244	6.487492	6.329843	6.466969	6.360105	6.363784	6.229433	7.104877	7.159703	7.059306	7.327184	7.330131	7.305724	7.246589	7.108196	7.184919
UNC93B1	ENSG0000	-0.17372	6.446156	-1.55389	0.13813	0.229529	-6.25551	5.768329	5.656799	5.750758	6.038828	6.173243	5.870309	4.938902	4.905964	5.097318	7.04721	7.120848	7.306957	7.640777	7.661331	7.643624	7.431181	7.258213	7.100198
PUS3	ENSG0000	0.214975	4.778762	4.346841	0.000413	0.002312	-0.49153	4.186225	4.318312	4.195052	4.236852	4.327153	4.337497	4.528631	4.644388	4.396744	5.286319	5.160041	5.195378	5.368624	5.338797	5.378375	5.430457	5.384796	5.32087
DCPS	ENSG0000	-0.37575	5.467418	-3.80496	0.001356	0.005966	-1.78548	6.003031	6.004148	5.914599	4.790984	4.758354	4.662649	5.277239	5.197177	5.308941	5.913568	5.814017	5.933956	5.394571	5.390798	5.376231	5.734772	5.798808	5.767446
KMT5B	ENSG0000	0.514278	5.757841	10.06985	1.07E-08	6.86E-07	10.152	5.180696	5.063109	5.141325	5.612421	5.77614	5.754573	5.679816	5.689327	5.872122	5.709189	5.714797	5.647191	6.282738	6.332254	6.341015	6.108643	6.065166	6.179793
FOXRED1	ENSG0000	0.015246	4.396163	0.144039	0.887118	0.924733	-7.06777	4.574623	4.511888	4.537101	4.487626	4.515354	4.420855	4.779054	5.07384	4.801363	4.671093	4.679329	4.472706	4.037603	3.958151	3.87435	4.349322	4.211138	4.45054
PPP6R3	ENSG0000	0.618872	6.7836	13.50389	1.11E-10	2.18E-08	14.73836	6.295276	6.277631	6.275633	6.850266	6.700177	6.764257	7.026804	7.055228	6.961728	6.625566	6.654881	6.518021	6.982345	7.075602	6.944751	7.072803	7.0902	7.18159
ST3GAL4	ENSG0000	-0.22797	6.362165	-1.55274	0.138405	0.229822	-6.2427	6.861524	6.815465	6.805619	5.887123	5.905185	5.880161	6.335028	6.116987	6.145661	6.366236	6.260093	6.382287	6.532195	6.612974	6.597176	6.449959	6.424707	6.471771
CPT1A	ENSG0000	0.150195	6.769604	1.374924	0.186526	0.288833	-6.51243	6.518198	6.543071	6.478973	7.302482	7.282854	7.40797	6.812307	6.808236	6.766778	6.686194	6.674605	6.700653	6.640972	6.673554	6.674237	6.705452	6.697144	6.728241
CCND1	ENSG0000	-0.6395	9.085263	-3.00793	0.007739	0.023688	-3.82895	9.56416	9.576181	9.611875	7.984084	8.134451	8.032468	7.899352	7.928607	7.97786	9.819871	9.782772	9.884163	9.160814	9.098556	9.163588	10.02208	9.966018	9.98584
CCDC86	ENSG0000	-0.09335	6.343349	-1.29374	0.21259	0.320381	-6.59452	6.524888	6.459902	6.61399	5.866618	6.046703	5.875244	6.625636	6.373876	6.528503	6.63957	6.348167	6.709305	6.248053	6.200368	6.181963	6.402268	6.48545	6.383273
PRPF19	ENSG0000	0.151444	7.688832	3.625723	0.002011	0.008127	-2.40812	7.145613	7.05734	7.054799	6.901559	6.938138	6.931113	7.272324	7.307707	7.326517	8.288878	8.203793	8.296755	8.255479	8.24004	8.224208	8.424189	8.373186	8.298419
TMEM109	ENSG0000	0.323315	6.189681	5.646482	2.62E-05	0.000264	2.105712	5.893553	5.858816	5.81496	5.737065	5.87399	5.724812	6.366869	6.271797	6.37551	6.508349	6.466037	6.569369	6.123258	6.062189	6.003179	6.69064	6.729127	6.720234
TRIM3	ENSG0000	0.145702	2.531313	1.218321	0.239293	0.351329	-5.78779	2.707144	2.886707	2.758051	3.20008	3.278066	3.136338	2.858632	2.596487	2.981126	2.243849	2.561038	2.152295	2.862939	3.088026	3.126936	2.524879	2.37332	2.629903
CHORDC1	ENSG0000	0.246306	6.653034	2.09258	0.051266	0.105791	-5.41622	5.520388	5.585177	5.384366	6.44268	6.362903	6.4069	6.062473	6.017505	5.937239	7.406778	7.379411	7.332596	7.327184	7.246703	7.296684	7.448894	7.419679	7.481383
FOLR1	ENSG0000	-0.10441	-1.27633	-0.3445	0.734583	0.812886	-6.08883	0.106501	0.106501	0.106501	0.106501	0.512209	0.106501	0.106501	0.106501	0.256032	2.100009	1.777644	1.696985	1.711947	2.016959	1.900186	1.627702	1.513652	1.461048
ANAPC15	ENSG0000	-0.18808	4.883678	-3.59339	0.00216	0.008585	-2.12342	4.740165	4.760843	4.866295	4.674482	4.900234	4.761901	4.799197	4.784126	4.647437	5.274401	5.207908	5.276432	5.086097	5.071461	5.009321	4.978075	5.003024	4.965925
PANX1	ENSG0000	-0.07513	5.169787	-1.53573	0.142509	0.234871	-6.12257	4.833667	4.864623	4.86196	4.555081	4.400635	4.616245	4.723921	4.61746	4.687485	5.754507	5.723056	5.808257	5.696635	5.740146	5.725182	5.760217	5.764723	5.708538
ARHGEF17	ENSG0000	0.091325	4.93313	0.59015	0.562643	0.672857	-7.02483	4.605251	4.604738	4.520694	4.54774	4.628433	4.393601	4.454362	4.547856	4.578115	5.085433	5.054034	4.850228	6.203734	6.03687	6.112827	5.141909	5.184958	5.167806
CEP164	ENSG0000	-0.2678	4.969897	-4.34462	0.000415	0.002319	-0.51129	4.600191	4.668265	4.671981	4.759555	4.836932	4.819357	4.264577	4.273815	4.216877	5.629096	5.56479	5.524349	5.477839	5.50599	5.426825	5.353134	5.387157	5.368484
RNF141	ENSG0000	-0.44873	5.789592	-11.0368	2.65E-09	2.29E-07	11.55766	5.525735	5.642269	5.525355	5.227586	5.287935	5.215396	5.071794	5.233099	5.252213	6.583684	6.619923	6.607605	6.098213	6.222995	6.233798	6.092456	6.12437	6.159635
CEP126	ENSG0000	0.080152	2.957866	0.652089	0.522828	0.636791	-6.41335	2.965042	2.982098	3.104764	3.840029	3.901574	3.907468	2.752438	3.141256	2.82232	2.894025	2.753956	2.7037	3.332595	3.213858	3.335521	2.819293	3.093137	3.035906
EIF4G2	ENSG0000	0.212538	9.764197	4.995972	0.000102	0.000766	0.474867	9.6496	9.663909	9.629037	9.578072	9.556487	9.572474	9.928011	9.935618	9.885929	9.919654	9.898509	9.858141	9.488212	9.549899	9.516129	10.02142	10.03772	10.09789
GALNT18	ENSG0000	0.217788	2.333444	1.833163	0.083868	0.155842	-5.07436	1.681202	2.152784	1.78216	2.143217	2.333126	2.064596	1.588238	1.367163	1.727075	3.196464	3.096753	3.240362	3.629193	3.520297	3.637126	3.603046	3.511821	3.477085
BIRC2	ENSG0000	-0.25137	6.351813	-2.30614	0.033596	0.075868	-4.98754	6.593965	6.625405	6.56149	5.935739	5.882565	5.942611	5.940817	6.100066	6.051618	6.511399	6.503919	6.473399	6.686492	6.695294	6.685536	6.483766	6.536314	6.455328
UBE4A	ENSG0000	0.099209	6.629848	2.573749	0.019427	0.049131	-4.50865	6.014486	5.96187	6.038856	6.36336	6.23258	6.338872	6.207692	6.219034	5.970082	7.012475	7.037203	7.001418	7.312742	7.291995	7.333615	7.127599	7.053521	7.106355
DDX6	ENSG0000	0.005421	7.14649	0.107516	0.915604	0.94397	-7.50446	6.93168	7.004358	6.97375	6.932892	6.944977	6.971994	7.009618	7.087474	6.796075	7.305595	7.278227	7.233195	7.503257	7.491042	7.496437	7.302865	7.230878	7.333273
UPK2	ENSG0000	-0.39733	0.74637	-0.93832	0.360865	0.482791	-5.69362	1.755904	1.947501	1.406977	1.393812	1.373859	1.310092	1.074544	0.915275	1.0941	1.352446	0.941811	0.993481	2.602951	2.533802	2.76998	1.286141	0.759002	1.461048
CBL	ENSG0000	0.184293	5.572983	4.110859	0.000693	0.003474	-1.12092	5.259834	5.37864	5.350729	5.190356	5.208315	5.30589	5.535185	5.557409	5.485906	5.8117	5.844621	5.667823	5.858265	5.77289	5.822871	5.926779	5.93732	5.966227
NECTIN1	ENSG0000	0.74097	5.347003	2.950401	0.008757	0.026177	-3.64519	3.756787	3.547555	3.39613	4.687901	4.745876	4.899045	3.976929	4.166444	4.252911	6.770915	6.720706	6.736255	5.681258	5.681447	5.647313	7.577918	7.503654	7.47528
HIPK3	ENSG0000	0.248207	5.780445	2.367011	0.029708	0.068603	-4.74958	5.603648	5.602793	5.656289	6.553121	6.564651	6.596615	6.056907	6.104921	6.038775	5.477252	5.498975	5.424422	5.628298	5.597346	5.629423	5.529969	5.489561	5.497221
FBXO3	ENSG0000	0.061875	4.51411	0.765736	0.454051	0.574594	-6.79502	4.265068	4.268725	4.332993	4.626508	4.573001	4.524999	4.716879	4.59002	4.674259	4.671093	4.54415	4.621149	4.813494	4.879081	4.900154	4.40281	4.547132	4.461559
PDHX	ENSG0000	-0.48228	5.56447	-5.91216	1.52E-05	0.000177	2.811353	6.976299	6.997716	6.979764	6.0017	5.824412	6.018168	6.346481	6.472967	6.483715	5.09088	4.992502	5.022459	4.592186	4.529722	4.523816	4.654234	4.740443	4.59264
COMMD9	ENSG0000	0.0668	4.285002	0.839214	0.412681	0.534541	-6.6086	4.712298	4.564207	4.520694	4.982834	5.013874	5.175948	4.723921	4.765849	4.91817	3.962373	3.878373	3.848714	4.139322	3.981932	3.968435	3.70484	3.870083	3.823043
ACCS	ENSG0000	-0.9821	2.573868	-5.99375	1.29E-05	0.000156	3.409572	3.765853	3.732673	3.828148	3.21869	3.188693	3.405543	2.667326	2.825515	2.616448	2.37464	2.500824	2.53427	2.921223	2.784257	2.743612	1.85727	2.078458	1.844513
MDK	ENSG0000	2.601495	6.230511	10.18214	9.05E-09	6.11E-07	10.34335	2.021155	1.81559	2.166567	6.809411	6.910452	6.83054	6.344198	6.230187	6.359073	5.958951	6.055536	6.160501	8.440596	8.493456	8.490644	8.183867	8.246647	8.126468
AMBRA1	ENSG0000	0.302003	4.901	4.377936	0.000386	0.002194	-0.37738	4.688657	4.783088	4.799861	5.250376	5.469652	5.316813	5.272444	4.992342	5.121883	4.762664	4.506366	4.623968	5.029814	4.850301	5.097852	4.905811	4.829917	4.815144
MADD	ENSG0000	-0.13748	5.111873	-2.59965	0.018407	0.047095	-4.2238	5.269428	5.410426	5.452263	5.05192	5.190008	5.167927	5.347317	5.335791	5.325957	5.190639	5.184173	5.223525	4.841432	4.953134	4.857757	4.969919	4.881053	5.133766
PTPMT1	ENSG0000	0.039901	2.563444	0.341834	0.736552	0.814306	-6.50371	2.850396	3.310847	3.176339	2.955742	2.787348	2.865864	3.238915	3.351955	3.162566	2.510897	2.531245	2.592986	2.649667	2.627242	2.382676	2.611312	2.354144	2.48622
NAA40	ENSG0000	0.108203	5.111337	1.630443	0.120896	0.207161	-5.98004	4.179456	4.293732	4.370098	4.654117	4.352066	4.440963	4.751751	4.790167	4.505294	5.861941	5.826337	5.770599	5.914344	5.841114	5.918789	5.766509	5.811165	5.811178
CARS1	ENSG0000	-0.05988	6.829503	-0.38895	0.702008	0.787485	-7.38896	7.500903	7.439895	7.420994	6.603556	6.665816	6.584614	7.472699	7.386579	7.469279	6.508349	6.44222	6.471835	6.703199	6.690792	6.68813	6.30944	6.415487	6.403414
SLC22A18	ENSG0000	0.391857	4.245064	2.199124	0.041594	0.089811	-4.77406	3.991296	3.976101	4.087767	4.982834	4.97698	4.918297	4.339849	4.519046	4.444269	4.13047	4.10258	4.275306	3.884887	3.858903	3.910354	4.577584	4.464605	4.394143

CD81	ENSG0000	0.2918	7.933127	6.893902	2.24E-06	4.08E-05	4.512048	7.981351	8.008717	8.035536	8.32787	8.406805	8.34989	8.176525	8.147934	8.230862	7.401857	7.405818	7.466204	7.879057	7.790666	7.824724	7.897503	7.760536	7.816804
SLC35F2	ENSG0000	0.578158	6.053327	12.61593	3.28E-10	4.94E-08	13.6683	5.243701	5.278849	5.197454	5.800209	5.859584	5.754573	5.967764	5.902309	6.02321	6.167928	6.257821	6.198812	6.605122	6.559648	6.537033	6.707089	6.674133	6.649721
C11orf58	ENSG0000	-0.07839	6.926047	-1.70641	0.105636	0.186487	-6.05361	7.438488	7.360755	7.32426	7.259314	7.233432	7.296512	7.237072	7.34101	7.184478	6.71028	6.559401	6.697981	6.407764	6.462627	6.513816	6.549092	6.604842	6.715639
PITPNM1	ENSG0000	0.489306	6.279645	2.693192	0.015132	0.040375	-4.16707	5.667929	5.668796	5.826129	7.574028	7.738284	7.499496	6.589465	6.482325	6.534004	5.630966	5.796904	5.856986	6.365533	6.293583	6.179507	5.984595	5.922751	5.798197
RPS13	ENSG0000	-0.08186	8.257473	-2.55016	0.020402	0.051129	-4.67141	8.575747	8.537412	8.512234	8.424724	8.403333	8.406376	8.426845	8.512357	8.531957	8.135912	8.124017	8.058689	7.992705	8.022246	8.072252	7.971536	7.974599	8.040434
AIP	ENSG0000	0.011743	5.659449	0.218271	0.829747	0.883661	-7.31363	5.4988	5.349122	5.483639	5.420792	5.575689	5.384134	5.665257	5.581992	5.54523	5.90277	5.884933	5.972061	5.92269	5.918631	5.80226	5.916914	5.835567	5.740557
NUP98	ENSG0000	-0.04698	7.135926	-1.44712	0.165562	0.263864	-6.45993	7.356844	7.362234	7.332117	7.136235	7.216574	7.235461	7.275922	7.352283	7.283613	7.067381	7.103238	7.009523	6.961665	6.94936	6.961293	7.072168	6.951155	7.011128
NDUFS8	ENSG0000	-0.02409	6.209119	-0.3224	0.750976	0.825447	-7.32993	6.504722	6.600568	6.628099	6.617648	6.693695	6.567948	6.351036	6.301706	6.391763	5.798445	5.80937	6.015638	5.929806	5.932427	5.855558	6.165694	6.036884	5.932963
TCIRG1	ENSG0000	-0.11604	6.177622	-1.11717	0.279044	0.396294	-6.706	6.411038	6.389152	6.577441	7.27607	7.425624	7.177716	6.489704	6.191911	6.521134	5.542307	5.624209	5.792059	5.976366	5.857276	5.931986	5.555628	5.554003	5.305663
CHKA	ENSG0000	-0.10611	5.373764	-1.21804	0.239395	0.351444	-6.57088	4.445163	4.230384	4.357835	4.915985	4.758354	4.874612	4.751751	4.696781	4.758139	6.375191	6.213955	6.283249	6.332804	6.304233	6.24559	5.968311	5.966024	5.989254
EXPH5	ENSG0000	-0.74521	2.079985	-6.47228	5.02E-06	7.46E-05	4.161657	1.519087	1.744817	1.453818	0.841981	0.389229	0.657796	0.886508	1.367163	1.01237	4.68916	4.784095	4.545867	4.011012	4.016884	3.991027	3.877544	3.929587	4.129778
HPS5	ENSG0000	-0.34222	5.211022	-2.63135	0.017228	0.044671	-4.12958	6.389204	6.328431	6.325286	5.367584	5.521816	5.391041	5.847177	6.004573	5.923331	4.61171	4.719513	4.703397	4.647902	4.729072	4.715769	4.442647	4.486784	4.444998
GTF2H1	ENSG0000	0.142605	5.558167	3.098441	0.006365	0.020381	-3.26475	5.562619	5.666404	5.625931	5.890028	5.785315	5.926062	5.791286	5.882654	5.845819	5.22572	5.318878	5.361641	5.509846	5.508039	5.609485	5.404468	5.341637	5.362617
VWF	ENSG0000	-1.2217	-1.17367	-3.42277	0.00314	0.011631	-1.70214	0.318509	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.14259	2.285719	2.055402	2.872818	2.729118	2.821313	1.058946	1.072305	1.058313
PSMD9	ENSG0000	-0.00168	2.11252	-0.01305	0.989739	0.993226	-6.41254	3.056542	2.71221	2.99819	2.740812	2.85862	2.998412	2.981245	2.702788	2.892531	1.940223	2.053933	1.933468	2.096181	1.738515	2.121111	1.880661	2.295039	1.942153
P3H3	ENSG0000	1.04885	4.37591	2.930416	0.009141	0.027068	-3.19598	5.167074	5.044814	5.064177	6.958031	7.019439	7.043877	6.124988	6.043026	6.202046	2.856146	2.766797	2.766268	2.452975	2.50126	2.294605	3.574643	3.595851	3.571657
PPFIBP1	ENSG0000	-0.07386	6.260416	-0.54313	0.593899	0.697877	-7.23745	7.05699	7.130301	7.102433	6.236693	6.243717	6.304531	6.827098	6.800775	6.820294	5.740714	5.71148	5.666457	5.889013	5.933952	6.027972	5.823444	5.903094	5.838909
PRPF40B	ENSG0000	0.182412	4.271034	3.222783	0.004859	0.01651	-2.81547	3.911847	3.838426	3.995797	4.152252	4.177232	3.954853	4.068294	3.988732	4.032233	4.545816	4.675929	4.569452	4.684821	4.557684	4.715769	4.733454	4.81246	4.857474
PRDM4	ENSG0000	-0.29442	5.885941	-5.32366	5.11E-05	0.000448	1.49775	6.333889	6.35837	6.26418	6.05704	5.853781	5.988874	5.997126	5.986272	5.980865	5.887203	5.806264	5.788295	5.802503	5.755749	5.807042	5.557443	5.558198	5.62033
COQ5	ENSG0000	-0.22334	5.022313	-4.38418	0.000381	0.002169	-0.3644	5.83014	5.873404	5.904096	5.55133	5.435093	5.487647	5.609312	5.711779	5.722741	4.75239	4.54415	4.729802	4.230502	4.354074	4.297823	4.481413	4.333674	4.45054
SELPLG	ENSG0000	-0.50631	0.550546	-2.6708	0.015861	0.041928	-3.16701	2.021155	1.780637	1.706811	1.022291	1.2379	1.055701	1.648695	1.301009	1.314712	1.52331	1.588084	1.780195	0.828978	1.032323	0.533283	1.387593	1.513652	1.222783
CORO1C	ENSG0000	0.026867	7.847397	0.561777	0.581401	0.687496	-7.41063	8.007384	8.020469	7.957943	7.27607	7.340009	7.25547	8.051949	8.06441	8.043623	8.062965	8.0346	8.124354	7.645107	7.619303	7.642732	8.08255	8.079025	8.064123
ASIC1	ENSG0000	0.45273	3.948344	5.057481	8.95E-05	0.000696	1.29718	4.296689	3.991467	4.153091	4.40878	4.600983	4.358792	4.402637	4.576102	4.549426	3.186323	3.373534	3.439082	4.072312	3.915568	4.056758	3.848182	3.808018	3.797179
CAPRIN2	ENSG0000	-0.19062	4.229563	-1.23496	0.233191	0.344431	-6.18766	4.650007	4.543506	4.606117	5.342348	5.244245	5.135391	4.321396	4.436718	4.563842	3.968304	4.190981	3.942013	3.617489	3.86531	3.767168	3.775173	3.793856	3.856822
KCTD10	ENSG0000	-0.10114	6.352387	-1.98759	0.062757	0.124076	-5.56227	6.457941	6.454368	6.451827	5.96359	5.943937	5.944959	6.428516	6.476718	6.500674	6.637711	6.615493	6.640685	6.334592	6.248953	6.240885	6.434237	6.387466	6.510753
SLC11A2	ENSG0000	0.20386	6.389265	3.090523	0.006475	0.020654	-3.38239	6.585029	6.405017	6.432954	7.127644	7.070367	7.141312	6.89106	6.866575	6.835226	5.92581	5.874589	5.912216	6.141761	6.163149	6.236164	5.898412	5.8459	5.989254
MLEC	ENSG0000	1.298319	7.985904	9.893645	1.39E-08	8.48E-07	9.740475	6.831615	6.792622	6.801098	8.713408	8.651791	8.7397	8.439734	8.437353	8.356244	7.418738	7.429229	7.357365	8.238864	8.208576	8.209833	8.471894	8.366922	8.400363
MVK	ENSG0000	-0.00312	4.029627	-0.04279	0.966356	0.978098	-7.09965	3.633432	3.439663	3.717332	3.456785	3.207016	3.152687	3.853933	3.724251	3.90213	5.001167	4.836805	4.938912	4.467344	4.279275	4.179864	4.808549	4.776901	4.902646
CSRNP2	ENSG0000	-0.13726	5.40601	-1.78501	0.091625	0.166668	-5.72561	5.82147	5.759098	5.86564	5.608898	5.4273	5.363212	5.683433	5.643348	5.745052	5.240498	5.200828	5.267448	5.333285	5.359369	5.328241	5.129758	5.086727	5.081151
CAMKK2	ENSG0000	-0.19429	5.957994	-2.05857	0.054761	0.111343	-5.37444	6.191444	6.13617	6.120966	5.969096	6.015855	5.954316	5.473848	5.5324	5.636714	6.037207	5.984483	6.077603	5.999094	6.095271	6.008725	6.165694	6.210856	6.067072
ATP5F1B	ENSG0000	0.048615	9.791723	2.042934	0.056438	0.11409	-5.69912	10.42268	10.44484	10.39262	10.29508	10.3022	10.27937	10.47745	10.50492	10.46999	9.239961	9.189432	9.258002	9.065103	9.094812	9.064712	9.286467	9.251717	9.244841
PTGES3	ENSG0000	0.137715	8.997751	3.108781	0.006224	0.020061	-3.58623	9.173366	9.190347	9.103372	8.991197	8.981453	8.948708	9.251733	9.277403	9.211777	8.979216	8.916253	8.937416	8.51916	8.592842	8.564528	9.12308	9.091248	9.159655
SYT10	ENSG0000	-0.3201	-0.89124	-2.35604	0.030377	0.069839	-4.01007	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.236329	3.241771	2.992487	2.329284	2.269709	2.141451	2.692858	2.726388	2.944608
BCL7A	ENSG0000	0.275543	4.639377	4.691856	0.000196	0.00128	0.322721	4.744758	4.538284	4.734969	4.619522	4.600983	4.616245	4.832157	4.784126	5.046897	4.404248	4.599033	4.623968	4.627624	4.585115	4.67449	4.850615	4.894388	4.793504
RSRC2	ENSG0000	0.136487	5.569552	1.035363	0.314613	0.434196	-6.75093	5.045778	5.084762	5.079193	6.069909	5.927456	6.16038	5.486326	5.45466	5.463015	5.66057	5.71148	5.75397	5.610696	5.704857	5.696257	5.591509	5.635678	5.687573
CYP27B1	ENSG0000	0.066614	2.385664	0.602673	0.554466	0.664753	-6.37714	2.725848	2.966631	2.865896	2.425456	2.686486	2.629332	2.724622	3.043491	3.199964	2.543041	2.753956	2.766268	1.99126	2.269709	2.141451	2.625227	2.784842	2.610232
LIN7A	ENSG0000	3.015573	0.229404	6.880939	2.29E-06	4.16E-05	4.678843	3.562366	3.505362	3.638424	6.489409	6.350594	6.412002	6.723746	6.551532	6.59318	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
KRT18	ENSG0000	-0.61212	9.338359	-2.87752	0.010236	0.029615	-4.08773	10.49133	10.45673	10.47405	9.194667	9.324695	9.153998	8.929605	8.968673	9.004144	9.186908	9.116222	9.188425	8.810112	8.810999	8.766691	9.403877	9.403563	9.449821
ACSS3	ENSG0000	0.130851	-1.26083	0.404642	0.69065	0.778854	-5.76764	2.19231	2.206444	2.049454	2.393052	2.333126	1.993763	2.144798	2.255906	2.643847	0.106501	0.106501	0.16959	0.234608	0.106501	0.186984	0.106501	0.106501	0.106501
TNS2	ENSG0000	1.02871	3.226784	8.85917	7.08E-08	2.85E-06	8.409145	3.262728	3.222448	3.39613	4.988267	5.230876	5.055043	4.330652	4.147745	4.235006	2.01088	2.032826	1.820066	3.149671	3.357127	3.096004	2.855159	2.784842	2.59029
PPM1H	ENSG0000	-0.42446	3.887129	-3.55436	0.002353	0.009228	-1.8679	5.142921	5.331118	5.211151	4.720913	4.789085	4.713128	4.716879	4.741115	4.813478	3.206534	3.116952	3.077191	3.133326	3.348006	3.445943	2.901634	2.741225	2.975687
METAP2	ENSG0000	-0.22413	7.650478	-6.90546	2.19E-06	4.02E-05	4.532879	7.776817	7.888188	7.760742	7.273847	7.216574	7.26584	7.582347	7.595909	7.587761	8.038863	7.938565	8.006996	7.511185	7.529371	7.561566	7.776466	7.755521	7.777109
LTA4H	ENSG0000	-0.49148	7.226992	-5.07611	8.60E-05	0.000675	0.807059	7.51643	7.543868	7.485114	6.67099	6.537759	6.617379	6.932685	6.921271	6.740051	7.636423	7.641064	7.642989	7.496084	7.518233	7.493967	7.27445	7.298896	7.302961
ELK3	ENSG0000	0.629217	5.458956	3.721881	0.001628	0.006873	-1.94024	4.917414	4.937835	4.925655	5.845818	5.726197	5.716587	5.753932	5.819078	5.729151	5.530331	5.559265	5.537862	5.042999	4.994639	4.926766	5.936577	5.893164	6.097414
WNT5B	ENSG0000	0.521595	0.187271	1.243415	0.230136	0.340978	-5.18999	2.245129	2.009193	1.987129	2.714828	2.926537	2.532704	2.102195	1.85606	2.087859	0.106501	0.398185	0.288049	0.745413	0.986036	0.760679	0.63264	0.637375	0.580851
MAGOHB	ENSG0000	0.021143	4.411572	0.302797	0.765619	0.835738	-7.05045	5.030813	5.095468	4.929803	4.152252	4.081169	4.427589	4.779054	4.917048	5.03142	4.35077	4.502533	4.47583	3.789021	3.606961	3.81227	4.650836	4.525868	4.546811
ITFG2	ENSG0000	-0.07686	4.032246	-1.01748	0.322804	0.442624	-6.48629	4.333741	4.287521	4.255791	3.791129	3.602632	3.765857	4.164604	4.157125	4.235006	4.295234	4.176619	4.209279	4.059394	4.132949	4.169997	4.127753	4.205799	4.216898
FOXM1	ENSG0000	0.286647	5.303022	1.240867	0.231053	0.34191	-6.53841	5.504227	5.433112	5.455144	5.15214	5.162106	5.114677	6.179794	6.058125	5.942765	5.98551	5.877552	6.053763	3.617489	3.659519	3.263113	6.044073	5.847615	5.966227
PARP11	ENSG0000	0.008727	1.742036	0.056465	0.955612	0.971089	-6.32241	2.526909	2.152784	2.194417	2.864145	2.633282	2.697781	1.966276	1.988058	2.005764	1.616888	1.777644	1.820066	1.99126	2.148862	2.141451	1.880661	2.030948	2.119598
ARPC3	ENSG0000	-0.0302	7.44078	-0.74543	0.465917	0.585835	-7.23312	7.556164	7.627387	7.494246	7.693598	7.694314	7.696355	7.524033	7.584657	7.412664	7.184092	7.211696	7.269648	7.429456	7.574549	7.496437	7.237558	7.220327	7.182423
GPN3	ENSG0000	-0.19623	4.720692	-3.8037	0.00136	0.005977	-1.65917	4.97718	5.041126	4.974661	4.161901	4.267295	4.330328	4.7858	4.843429	4.849226	5.262384	5.006104	5.178223	4.450951	4.557684	4.476566	4.936827	5.018332	4.878182
VPS29	ENSG0000	-0.28475	6.172013	-6.44085	5.33E-06	7.80E-05	3.74774	6.413925	6.39205	6.351807	6.05186	6.03393	6.027064	5.919505	6.073067	6.028417	6.425634	6.462095	6.474961	5.992313	6.041121	6.032063	6.235393	6.210856	6.302841
RAD51AP1	ENSG0000	0.557205	3.012084	2.796931	0.012153	0.033999	-3.48924	2.609804	2.784561	2.681399	2.633943	2.549605	2.94309	3.571163	3.250449	3.655245	3.944434	3.896014	4.016833	2.129525	2.084417	2.200805	4.293774	4.227036	4.370952
SH2B3	ENSG0000	-0.04454	4.692382	-0.32293	0.75058	0.825165	-6.88095	6.02962	6.146502	6.117333	6.48365	6.635697	6.549545	6.132946	6.191911	6.099406	3.376719	3.494263	3.663876	3.091636	3.320292	3.085545	3.333216	3.366281	2.990979
MANSC1	ENSG0000	0.387041	4.448952	5.140853	7.50E-05	0.000606	1.270671	3.643304	3.686213	3.688245	3.999198	4.158524	3.807755	4.302704	4.212157	4.45204	4.957113	4.981528	5.041557	4.888451	4.863163	4.950015	5.129758	5.243446	5.377239
DUSP16	ENSG0000	-0.0227	5.356734	-0.23096	0.820026	0.876652	-7.21559	5.089762	5.147837	5.300357	6.028317	5.815483	5.916519	5.36994	5.38452	5.478316	5.342194	5.391149	5.28358	5.446761	5.472807	5.33267	5.134631	5.075063	5.070394
CREBL2	ENSG0000	-0.23873	5.024212	-3.88267	0.001143	0.005203	-1.48994	5.011887	4.99613	4.844488	5.412733	5.300788	5.298562	4.8959	4.860754	4.732845	5.183009	5.203192	5.168603	5.166607	5.29912	5.271695	4.894365	4.833383	4.882289
ACAD10	ENSG0000	0.337423	4.645085	3.061633	0.006892	0.02168	-3.1531	4.363907	4.177623	4.275483	5.137544	4.888929	5.050687	4.825625	4.796183	4.84333	4.266643	4.369954	4.213027	5.379059	5.308554	5.443303	4.446571	4.30899	4.61255
ALDH2	ENSG0000	1.080215	1.356616	4.616267	0.00023	0.001449	0.726279	2.548084	2.91921	2.848472	3.977507	3.901574	3.776446	4.045989	3.978187	3.708117	0.781331	0.583785	0.76743	0.828978	0.612281	0.812339	0.686723	0.975239	0.734116
CDKN1B	ENSG0000	0.147649	4.882261	0.922775	0.368688	0.490412	-6.76447	3.633432	3.82133	3.736403	5.117849	5.128856	5.024275	4.528631	4.444399	4.41276	5.458414	5.465891	5.537862	5.490727	5.544428	5.493616	5.378002	5.269267	5.397464
NAA25	ENSG0000	0.020944	6.375033	0.394611	0.697904	0.783931	-7.34145	6.534203	6.455753	6.523568	6.569526	6.442385	6.592126	6.546418	6.440687	6.483715	6.359482	6.349235	6.300088	6.115998	6.126279	6.082904	6.411331	6.335861	6.404842
SCNN1A	ENSG0000	-0.02683	5.043556	-0.28052	0.78237	0.847785	-7.34779	3.156438	3.114308	2.739267	2.393052	2.633282	2.605775	2.186178	2.220554	1.962896	7.501839	7.60978	7.568867	8.333561	8.280454	8.23726	7.598784	7.639043	7.65882
LTBR	ENSG0000	0.166068	7.595069	4.797947	0.000156	0.001075	0.199612	7.83343	7.83488	7.898336	7.94829	7.997081	7.942475	8.083774	7.919679	8.073526	7.135506	7.121473	7.181998	7.314555	7.367848	7.279006	7.327544	7.29513	7.299894
OGFOD2	ENSG0000	-0.52102	0.397828	-2.27932	0.035454	0.079025	-3.80887	1.235614	1.81559	1.921989	1.519216	1.498102	1.575618	1.074544	1.082132	1.38134	1.158593	1.152172	1.277453	0.869014	1.203912	0.760679	1.099384	0.871168	1.170016
CDK2AP1	ENSG0000	0.669425	5.122264	6.459784	5.14E-06	7.60E-05	3.959028	4.909255	4.742796	4.804386	5.765822	5.899563	5.611097	5.757368	5.646681	5.738712	4.652797	4.637993	4.765977	4.941045	4.971068	4.869998	5.210433	5.077988	4.99276
OAS3	ENSG0000	0.242191	7.066742	2.233515	0.03885	0.084929	-5.22921	6.172821	6.187107	6.117333	5.895822	5.905185	5.781107	6.103549	6.232407	6.188155	8.296853	8.32487	8.260763	7.318175	7.337062	7.353912	8.648351	8.648485	8.684371
OAS2	ENSG0000	0.560885	3.559426	8.300677	1.79E-07	5.67E-06	7.275314	0.947665	1.061904	0.756332	0.742604	1.006428	1.123626	1.816207	1.491012	1.727075	7.014626	7.051704	7.105917	5.91554	6.045359	6.072348	7.530645	7.60852	7.597701
MGP	ENSG0000	0.076039	-1.01694	0.317559	0.754582	0.828069	-6.20323	0.216396	0.106501	0.106501	0.106501	0.106501	0.3528	0.106501	0.106501	0.256032	1.891119	2.074736	2.198406	2.178139	1.993753	1.851631	1.903678	2.33471	1.910335
RASAL1	ENSG0000	0.031198	2.557954	0.28896	0.776011	0.842948	-6.56002	2.798329	3.07157	2.933559	2.661411	2.811499	2.741673	2.513265	2.825515	2.616448	2.574485	2.714733	2.826234	2.872818	2.714997	2.76998	2.979529	2.95995	2.880366
ARHGDIB	ENSG0000	-0.27506	3.222579	-2.40266	0.027631	0.06491	-4.72875	1.235614	1.374745	1.499186	0.395333	0.25478	0.461789	0.983587	0.253663	0.515351	7.357356	7.31912	7.378382	7.498479	7.455919	7.430296	7.093596	7.202345	7.104598
GTF2H3	ENSG0000	-0.75257	6.253505	-6.84656	2.45E-06	4.39E-05	4.524588	7.097051	7.109326	7.078346	5.355021	5.326156	5.384134	6.062473	6.092752	6.01011	6.792802	6.830279	6.84775	5.967173	6.006758	6.003179	6.310517	6.326052	6.340636
EIF2B1	ENSG0000	-0.05311	6.662389	-1.1646	0.259832	0.375219	-6.7864	6.1847	6.221723	6.122779	6.171319	6.270099	6.286123	6.184906	6.278258	6.342446	7.223056	7.227457	7.200526	7.022836	7.131822	7.141872	7.044604	7.063147	7.081569
DDX55	ENSG0000	-0.05188	5.348363	-0.6573	0.519549	0.6341	-7.0561	5.233934	5.269425	5.187095	5.452586	5.226392	5.553773	5.29153	5.210752	5.188519	5.632834	5.643484	5.592123	5.311659	5.255884	5.303633	5.596816	5.493948	5.481066
SLC38A1	ENSG0000	0.512985	8.319752	8.236002	2.00E-07	6.10E-06	6.974895	8.385568	8.356764	8.340981	8.79473	8.769349	8.923025	9.066438	9.107891	9.034221	7.768891	7.809931	7.697522	7.861489	7.863685	7.864269	8.098225	8.008722	8.092756
SPRING1	ENSG0000	-0.45631	6.368718	-10.8755	3.32E-09	2.73E-07	11.30481	6.766485	6.77608	6.719588	6.564078	6.474882	6.569471	6.344198	6.278258	6.211233	6.572048	6.449208	6.522559	6.191945	6.111532	6.157205	6.073551	6.08129	6.100942
VDR	ENSG0000	0.150862	4.689962	1.780306	0.092416	0.167871	-5.69653	3.878801	3.904854	3.914407	4.199863	4.139571	3.982555	3.841036	4.090149	3.968647	5.621589	5.573951	5.6178	5.192476	5.154897	5.200779	5.780566	5.759266	5.769665
FZD10	ENSG0000	0.614708	-1.36228	2.829098	0.01135	0.032137	-2.71222	1.959273	2.37994	2.469799	2.48816	2.520598	2.904994	2.806512	2.848856	2.82232	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RFC5	ENSG0000	0.037491	4.886495	0.358043	0.724598	0.804797	-7.17062	5.20423	5.175008	5.22134	4.525489	4.318753	4.622128	5.243334	5.447033	5.346947	5.367097	5.411735	5.459558	3.778549	3.903166	3.849837	5.323569	5.324498	5.417409
STX2	ENSG0000	0.523361	2.548323	3.211517	0.00498	0.016829	-2.18708	5.027048	4.961437	4.913139	5.456512	5.454395	5.401341	5.531176	5.510612	5.512161	0.934589	0.89579	1.188864	0.701742	0.986036	0.812339	1.058946	1.118494	0.93723
ADGRD1	ENSG0000	1.190566	1.782005	3.193809	0.005175	0.01734	-2.07099	6.585029	6.649821	6.61399	7.063459	7.260001	7.126903	7.91559	7.714215	7.758062	0.269074	0.185134	0.106501	0.106501	0.106501	0.186984	0.326864	0.19538	0.409347
COPZ1	ENSG0000	-0.15868	7.767809	-5.24405	6.03E-05	0.000508	1.138694	8.458674	8.49323	8.417194	7.684422	7.666446	7.660361	8.273305	8.291662	8.315826	7.731459	7.63232	7.697522	7.003295	7.013501	7.010503	7.546728	7.536985	7.517472
TBC1D30	ENSG0000	-0.14228	4.022166	-1.08329	0.293398	0.411995	-6.41215	3.572735	3.888531	3.764544	4.161901	4.231942	4.241401	3.891945	3.477062	3.641718	4.545816	4.483212	4.604122	4.046359	4.10073	4.279586	4.361843	4.328771	4.422617
CAND1	ENSG0000	-0.04719	7.69436	-0.96008	0.350107	0.471187	-7.07347	7.902365	7.985883	7.892503	7.969048	7.832021	7.883085	7.864726	7.859905	7.801289	7.621448	7.615115	7.595317	7.337477	7.338214	7.334719	7.566244	7.600914	7.629195
RAB5B	ENSG0000	-0.28703	7.002242	-4.93788	0.000115	0.000847	0.539807	7.097949	7.123343	7.012401	7.005693	6.866462	7.003885	6.684577	6.672564	6.559406	7.088635	7.089887	7.132386	7.368792	7.376284	7.316945	6.914664	6.97096	6.966378
MDM1	ENSG0000	0.077292	3.054182	0.845746	0.409124	0.530997	-6.30267	3.249862	3.382531	3.408073	3.605613	3.602632	3.733615	3.457463	3.619579	3.60036	2.749986	2.946841	2.974933	2.977243	3.193633	3.085545	2.706012	2.799093	3.021085
NUP107	ENSG0000	-0.2493	5.485588	-3.18585	0.005266	0.017597	-3.09895	5.817116	5.898074	5.861303	5.432797	5.403664	5.541409	5.708501	5.695778	5.519576	5.732026	5.800031	5.819366	4.902986	4.814328	4.866948	5.542855	5.447207	5.547215
CNOT2	ENSG0000	0.109968	6.179071	1.782225	0.092093	0.16737	-5.85211	6.289001	6.216828	6.215741	6.333788	6.317247	6.335295	6.604805	6.465436	6.439449	5.93795	6.0278	5.974271	6.254679	6.16834	6.148438	5.932386	5.967602	5.966227
TIMELESS	ENSG0000	-0.08074	5.858786	-0.58218	0.567882	0.677165	-7.19447	6.405248	6.41787	6.463319	5.812513	5.876854	5.882614	6.323484	6.31224	6.273953	6.154986	6.096801	6.107112	4.607058	4.565575	4.444184	6.094959	5.987961	6.149449
CPSF6	ENSG0000	0.001582	7.433931	0.025391	0.980031	0.986891	-7.53781	7.688395	7.753288	7.758412	7.100306	6.999867	7.062384	7.697722	7.712626	7.670019	7.491581	7.397069	7.493815	7.260082	7.13845	7.23591	7.531569	7.454421	7.522085
KRR1	ENSG0000	-0.08112	6.28389	-0.81458	0.426274	0.547962	-7.09856	6.73567	6.722987	6.713586	5.436777	5.407631	5.513197	6.495888	6.629411	6.554	6.442774	6.552929	6.562039	6.03583	6.091177	6.021128	6.472264	6.501879	6.580647
MRPL51	ENSG0000	-0.1404	6.71328	-2.73056	0.013986	0.037929	-4.20978	6.863637	6.98913	6.915329	6.185579	6.302412	6.125602	6.770407	6.862281	6.907654	7.036665	7.011808	7.052	6.538415	6.492942	6.515765	6.899715	6.782101	6.847499
GAPDH	ENSG0000	0.452043	11.50195	7.03457	1.72E-06	3.29E-05	4.588914	11.81036	11.8491	11.81769	12.07045	12.13872	12.02225	12.25658	12.27588	12.24402	10.88374	10.87281	10.7806	10.67259	10.71543	10.6887	11.27481	11.3132	11.35838
NOP2	ENSG0000	-0.18273	7.281507	-5.75526	2.09E-05	0.000225	2.245525	7.378432	7.43358	7.438567	6.985458	7.033624	7.036187	7.285474	7.220923	7.23377	7.63176	7.493406	7.554905	7.190693	7.109057	7.108036	7.353376	7.347581	7.405666
CHD4	ENSG0000	-0.08049	8.657691	-1.43555	0.168785	0.267878	-6.61153	8.069568	8.093491	8.061761	7.916582	7.858342	7.927707	7.82598	7.751846	7.812651	9.290393	9.401636	9.249928	9.515269	9.479079	9.513815	9.413431	9.34664	9.385461
UHRF1BP1	ENSG0000	-0.17433	4.780758	-1.88492	0.07618	0.144691	-5.43741	5.038315	4.992316	5.079193	5.199754	5.257491	5.246196	4.851577	4.987092	4.866774	4.779626	4.91387	4.765977	4.386902	4.416485	4.431851	4.630284	4.600995	4.587619
COPS7A	ENSG0000	-0.11179	6.386081	-2.58869	0.018832	0.047957	-4.43557	6.438229	6.43483	6.451827	6.504656	6.523209	6.566424	6.466799	6.379897	6.476114	6.442774	6.395443	6.500491	6.337271	6.292394	6.337714	6.245564	6.263193	6.212776
ING4	ENSG0000	-0.44571	3.997187	-2.47542	0.023807	0.057786	-4.24117	3.928091	3.846899	3.863273	3.77864	3.546181	3.572823	2.957542	3.335526	3.655245	4.408616	4.382523	4.257266	5.391139	5.287239	5.485683	3.912008	4.023613	4.108904
CDCA3	ENSG0000	-0.04105	2.650581	-0.29107	0.774423	0.841889	-6.76078	3.701161	3.61855	3.597291	1.840866	1.864131	1.956998	3.866715	3.749274	3.69508	3.844798	3.695711	3.914651	1.154653	1.16289	0.957066	3.854102	3.458949	3.55117
CHPT1	ENSG0000	0.347701	5.087559	3.382313	0.003431	0.012468	-2.47633	5.926267	6.004148	5.922947	6.515985	6.54498	6.504077	6.273964	6.448347	6.359073	3.882973	3.907656	4.112253	3.993008	3.903166	3.824901	4.222335	4.029668	4.249053
USP5	ENSG0000	-0.086	6.918222	-2.39285	0.028189	0.065927	-4.87809	6.795549	6.740145	6.738629	6.875407	6.899228	6.820342	6.642458	6.58319	6.605426	7.134188	7.005728	7.105917	7.293104	7.196136	7.177396	7.039417	7.071977	7.026979
TPI1	ENSG0000	0.300894	9.439911	3.657738	0.001875	0.007695	-2.43184	9.32348	9.309888	9.310227	9.538344	9.62047	9.566385	9.610619	9.566967	9.627232	9.404962	9.396094	9.357036	9.072355	9.085581	9.079941	9.697113	9.710969	9.67983
GNPTAB	ENSG0000	0.087744	5.626481	1.542643	0.140829	0.232789	-6.10786	5.825812	5.798943	5.783216	6.209037	5.943937	6.127672	5.885366	5.905096	5.880784	5.205778	5.193714	5.135408	5.688268	5.708425	5.758486	5.297735	5.269267	5.214151
SPSB2	ENSG0000	-0.02054	3.390771	-0.18596	0.854619	0.901988	-6.71943	3.562366	3.370829	3.25779	4.092964	4.447623	4.036412	3.733489	3.302095	3.628063	3.275122	3.1855	3.210672	3.855296	3.766081	3.72061	3.190769	3.127424	2.81313
ENO2	ENSG0000	0.64874	3.754666	5.541676	3.25E-05	0.000317	2.246917	3.952119	3.846899	3.955676	3.533117	3.225109	3.391835	4.819063	4.734864	4.849226	3.968304	4.223947	4.008229	2.812503	2.686334	2.449456	4.477583	4.442079	4.411295
ATN1	ENSG0000	0.784275	7.094456	16.01466	6.96E-12	2.75E-09	17.53055	6.821868	6.73559	6.836879	7.436708	7.441187	7.475326	7.796222	7.559236	7.743889	6.455496	6.487528	6.546525	7.076184	6.993167	7.020146	7.107913	7.203015	7.167359
C12orf57	ENSG0000	0.44764	5.576991	2.772606	0.012796	0.035444	-3.92502	5.437711	5.328095	5.405371	6.450574	6.515879	6.460417	5.907184	5.833775	5.975483	5.1881	5.130539	5.28714	5.156533	5.131167	5.115953	5.628249	5.511363	5.507891
PTPN6	ENSG0000	0.105124	3.338912	0.77392	0.449321	0.569873	-6.6817	2.649532	2.61635	2.794903	2.291228	2.57804	2.5075	1.648695	1.710758	2.005764	4.368817	4.423646	4.36564	5.306202	5.272852	5.200779	4.762075	4.695442	4.597643
LPCAT3	ENSG0000	0.322658	4.645013	5.130697	7.66E-05	0.000615	1.350045	4.674285	4.548709	4.509652	5.674404	5.644527	5.705548	4.702691	4.87219	4.807433	3.709722	4.024536	3.839044	5.109264	5.043483	5.141424	4.23146	4.242761	4.274271
NT5DC3	ENSG0000	-0.75523	4.099812	-8.49787	1.29E-07	4.33E-06	7.824993	5.4988	5.549286	5.579162	4.350907	4.267295	4.113606	4.825625	4.802174	4.73921	4.098381	3.986619	3.95997	3.205461	3.152313	3.361763	3.254827	3.317614	3.498643
SUDS3	ENSG0000	0.10201	6.321577	1.004811	0.328697	0.448733	-6.91451	6.359567	6.377503	6.322134	5.863665	5.850871	5.845381	6.479338	6.482325	6.57728	6.326388	6.405742	6.357099	6.485475	6.556682	6.567418	6.491383	6.386287	6.391939
GOLT1B	ENSG0000	-0.05077	5.947376	-0.87929	0.391173	0.512745	-6.97978	6.526223	6.553462	6.587979	5.626427	5.565074	5.625812	6.593315	6.515521	6.548574	5.998609	5.965115	5.890143	5.254243	5.38635	5.29458	5.869475	5.819927	5.886702
LDHB	ENSG0000	0.017995	9.437214	0.544657	0.592872	0.69701	-7.50727	9.698802	9.717447	9.659955	9.635037	9.578645	9.62322	9.668112	9.758999	9.712395	9.291724	9.255835	9.294062	9.019419	9.064158	9.046458	9.299542	9.263167	9.322258
PRKAB1	ENSG0000	-0.12267	6.184793	-1.33254	0.199798	0.304681	-6.51457	6.263624	6.252341	6.18657	5.944151	5.888253	5.899666	6.153955	6.078014	6.091965	6.268685	6.217467	6.2761	6.604381	6.5287	6.602688	6.176366	6.148223	6.114968
CMAS	ENSG0000	-0.18276	5.475588	-1.82981	0.084388	0.156502	-5.66453	5.979843	5.99274	5.974054	5.44865	5.554381	5.538302	5.646849	5.650007	5.598715	5.172773	5.217293	5.278222	5.391139	5.53642	5.559343	5.208123	5.146465	5.274758
HCFC2	ENSG0000	0.706793	3.27863	5.542961	3.24E-05	0.000316	2.402013	3.011517	3.169391	3.029452	3.619685	3.560502	3.765857	4.057185	4.238905	4.05282	3.17611	3.1855	3.018425	3.031169	3.162755	3.421201	3.341669	3.431768	3.466183
C2CD5	ENSG0000	-0.04847	4.70806	-0.84114	0.411632	0.533426	-6.82691	4.02189	4.087546	4.222364	4.40878	4.240862	4.202668	4.302704	4.175703	4.073118	5.269607	5.329736	5.285361	5.55042	5.54243	5.519102	5.090174	5.339201	5.174518
RAB35	ENSG0000	0.270412	6.404129	7.034024	1.72E-06	3.29E-05	4.889238	6.500655	6.508776	6.511164	6.365449	6.41703	6.354858	6.782263	6.79628	6.788423	6.223531	6.138155	6.256254	6.272513	6.128944	6.162191	6.476108	6.413172	6.49743
PHC1	ENSG0000	-0.1697	3.538459	-1.33073	0.20038	0.305321	-6.00608	3.738482	3.768792	3.745844	3.273122	3.34578	3.136338	3.405851	3.043491	3.236418	3.785574	3.811781	3.722908	4.126992	4.284065	4.093761	3.812139	3.779553	3.856822
COX6A1	ENSG0000	-0.05765	5.566245	-1.24465	0.229691	0.340568	-6.51006	5.741006	5.729621	5.835003	5.860706	5.952107	5.727543	5.729647	5.7054	5.745052	5.430762	5.495122	5.390066	5.380791	5.397445	5.534564	5.359391	5.322033	5.423057
RIC8B	ENSG0000	0.519545	4.083509	6.761413	2.87E-06	4.91E-05	4.716903	4.192962	4.243278	4.034833	4.839889	4.662026	4.735009	4.765467	4.819999	4.613192	3.591745	3.70241	3.519989	3.825085	3.772912	3.824901	4.005409	3.955266	4.014786
SRSF9	ENSG0000	0.101858	7.373242	2.922581	0.009296	0.027453	-3.8664	7.421378	7.486053	7.372295	7.287134	7.269839	7.209322	7.456936	7.419104	7.508933	7.341451	7.320209	7.436852	7.246848	7.250379	7.271528	7.546728	7.504742	7.530612
AC009533.	ENSG0000	-0.38052	1.375773	-2.05625	0.055007	0.111747	-4.44421	1.755904	1.915637	1.954926	1.791994	1.612488	1.475193	1.70672	1.809233	1.873138	2.620402	2.66072	2.510098	1.218025	1.203912	1.390007	2.115663	2.212266	2.091498
FGFR1OP2	ENSG0000	-0.06592	4.956447	-1.0723	0.298169	0.417049	-6.66959	4.683882	4.619648	4.531653	4.359318	4.1009	4.393601	4.765467	4.849227	4.7071	5.730282	5.625972	5.590683	5.212064	5.294379	5.243746	5.430457	5.435851	5.542033
COL12A1	ENSG0000	-0.33035	4.478791	-2.5446	0.020639	0.05158	-4.04845	5.388667	5.469231	5.541709	5.830775	5.899563	6.018168	4.87074	4.955186	4.940438	3.113269	3.547323	3.240362	4.404034	4.367677	4.398437	3.281432	3.458949	3.387478
BTN3A3	ENSG0000	0.392153	3.227437	3.851022	0.001226	0.005516	-1.29097	2.688195	2.206444	2.492412	2.605941	2.57804	2.825643	2.724622	2.825515	2.82232	3.831846	3.647924	3.759253	4.595172	4.612034	4.681452	4.021281	4.11758	4.223386
TDP2	ENSG0000	0.187967	6.100483	1.596301	0.128343	0.216843	-6.12314	6.561793	6.683324	6.58929	6.07247	6.086834	5.986596	6.956797	7.01065	6.935637	5.718015	5.742688	5.612134	5.665715	5.794873	5.696257	5.70232	5.703538	5.701584
FRK	ENSG0000	-0.78341	4.468553	-6.03764	1.18E-05	0.000146	3.17209	3.710582	3.695626	3.586821	4.502891	4.537243	4.639633	3.19904	3.384264	3.340558	5.59692	5.691415	5.487683	5.440132	5.491566	5.499538	4.637167	4.710599	4.689552
DSE	ENSG0000	0.126792	4.458166	1.280787	0.217004	0.32586	-6.12832	4.941618	4.830853	4.657046	5.830775	5.707014	5.778475	4.673889	4.819999	4.613192	3.403229	3.365114	3.373604	4.771865	4.736081	4.814076	3.848182	3.772348	3.698167
RWDD1	ENSG0000	0.073882	4.796998	1.323096	0.202853	0.30858	-6.24027	5.217507	5.318988	5.309937	5.254892	5.438974	5.191857	5.282018	5.514266	5.355259	4.425958	4.353024	4.398932	4.32708	4.385617	4.315833	4.504182	4.391248	4.365096

TMEM14C	ENSG0000	-0.12979	6.369131	-1.29527	0.212074	0.319671	-6.57145	6.717094	6.740145	6.758588	6.454505	6.310908	6.223654	6.558286	6.581449	6.562999	6.108753	6.19982	6.158558	6.443004	6.444555	6.48625	6.064643	6.075448	6.083215
PAK1IP1	ENSG0000	-0.32641	5.59531	-2.85687	0.010698	0.030661	-3.83628	5.588399	5.55188	5.549817	4.640378	4.558804	4.473866	5.021241	4.955186	5.117003	6.239558	6.266889	6.327147	6.230872	6.246501	6.289542	6.106165	6.091458	6.070675
GCNT2	ENSG0000	-0.00108	4.339496	-0.01959	0.984593	0.990029	-7.08971	4.138162	4.34846	4.229112	4.3081	4.167908	4.113606	4.057185	4.147745	4.112876	4.64911	4.623947	4.586891	4.633447	4.693507	4.543056	4.637167	4.751478	4.680149
SMIM8	ENSG0000	-0.11865	1.972786	-0.9417	0.359182	0.481038	-6.039	2.137484	2.425906	2.138168	2.359902	1.718467	1.880533	2.186178	2.389238	2.047395	2.543041	2.469748	2.558044	2.491955	2.627242	2.574402	2.509956	2.37332	2.252429
NEDD9	ENSG0000	0.105849	6.221087	0.763172	0.455539	0.576067	-7.01195	6.552655	6.349454	6.443147	7.659097	7.535733	7.606483	6.965736	6.972641	7.085539	5.346754	5.421918	5.376759	6.187994	6.169635	6.064381	4.958973	4.884398	4.836464
CEP85L	ENSG0000	-0.1533	2.763535	-1.32225	0.203129	0.308876	-5.70452	3.928091	3.812706	3.792147	3.503067	3.48743	3.620621	3.828023	3.685883	3.759121	2.777267	2.320972	2.497858	1.916818	2.148862	1.923865	2.192442	2.190809	2.629903
ASF1A	ENSG0000	0.175826	4.477484	2.383085	0.028754	0.066985	-4.47835	5.019487	4.945746	4.994599	4.733909	4.628433	4.72957	5.120637	5.298133	5.155586	4.065562	4.008408	4.116262	4.171694	4.095289	4.14503	4.166333	4.195062	4.242679
MCM9	ENSG0000	-0.00247	3.612329	-0.0344	0.972948	0.982327	-6.81272	4.014302	4.058659	4.174224	4.122913	4.081169	4.210498	4.101117	4.299455	3.935772	3.303547	3.313538	3.373604	3.46257	3.348006	3.517722	3.298901	3.236163	3.364179
FAM184A	ENSG0000	-0.90301	0.824974	-4.62702	0.000225	0.001424	0.746586	1.927307	2.206444	2.326135	1.393812	1.666451	1.575618	1.525136	1.367163	1.01237	1.616888	1.335727	1.631268	1.573426	1.282615	1.17005	1.099384	1.16325	1.322858
RNGTT	ENSG0000	0.041261	4.746614	0.661616	0.516846	0.63172	-6.92031	5.008072	5.077581	5.108765	4.960893	4.782991	4.879531	4.980658	5.281075	5.146036	4.703453	4.842882	4.563592	4.330668	4.398927	4.27038	4.717304	4.676269	4.712796
MAN1A1	ENSG0000	-0.38305	1.881938	-1.67055	0.11262	0.195973	-5.19027	0.503316	0.736739	0.323815	2.425456	2.686486	2.374422	0.886508	1.15884	1.0941	3.216534	3.381904	3.232997	4.941045	5.000472	5.025827	2.400938	2.881762	2.668457
SERINC1	ENSG0000	-0.06477	7.035057	-0.96795	0.346274	0.467397	-6.99952	6.946707	6.901354	6.885741	7.557676	7.364702	7.520908	7.123169	7.096033	7.05907	6.956143	6.961034	6.907961	7.182276	7.219454	7.191487	6.605459	6.669292	6.690101
HDDC2	ENSG0000	-0.18815	5.521903	-3.6931	0.001735	0.007232	-1.92957	6.553964	6.563778	6.508393	6.432751	6.418997	6.4069	6.386973	6.349536	6.40983	4.799721	4.84591	4.878827	4.49639	4.529722	4.606616	4.555953	4.547132	4.802199
TPD52L1	ENSG0000	0.596557	4.726955	7.667309	5.41E-07	1.33E-05	6.341949	5.114814	4.984658	4.929803	5.878371	5.924691	6.006972	5.440037	5.499594	5.541593	3.805587	3.501964	3.596598	4.352013	4.363157	4.364231	4.293774	4.283876	4.359215
HINT3	ENSG0000	-0.13989	5.574661	-2.69159	0.015183	0.040489	-4.04198	6.610415	6.585458	6.626822	6.519742	6.415061	6.435578	6.514283	6.493476	6.506283	4.7455	4.839847	4.806238	4.627624	4.882244	4.588211	4.681127	4.542904	4.602629
NCOA7	ENSG0000	0.329777	7.16099	6.031992	1.20E-05	0.000147	2.93557	8.312044	8.346344	8.337083	9.129775	9.087246	9.076584	8.75884	8.795928	8.777073	5.508112	5.318878	5.294235	5.977511	5.978961	6.012871	5.428474	5.526431	5.547215
SASH1	ENSG0000	-0.12835	3.608701	-1.08544	0.292472	0.411181	-6.13796	4.381709	4.268725	4.339244	4.821743	4.70778	4.819357	4.293266	4.109604	4.279358	3.113269	2.546219	2.83599	3.557503	3.599295	3.608189	2.464239	2.813204	2.880366
UST	ENSG0000	1.379399	1.598593	3.636403	0.001965	0.007988	-1.32091	0.587539	0.661886	0.512639	3.533117	3.502343	3.27721	1.459147	1.15884	0.833554	1.76051	1.8028	1.780195	3.501296	3.583837	3.378997	2.890155	2.634012	2.880366
ULBP1	ENSG0000	0.043855	2.396001	0.236707	0.815636	0.873685	-6.47478	2.392887	2.836538	2.758051	2.887595	2.686486	2.924168	2.545421	2.511284	2.202855	2.243849	2.249583	2.198406	3.469097	3.445301	3.244428	2.317694	2.680939	2.374055
FBXO5	ENSG0000	-0.06072	3.749931	-0.50139	0.622352	0.722543	-6.79663	4.179456	4.177623	3.987862	3.851999	3.796595	3.936085	4.437325	4.147745	4.207726	4.065562	4.14254	4.075663	2.95881	3.054776	2.976553	3.923315	3.835933	3.770842
MTRF1L	ENSG0000	0.156866	4.511558	2.116807	0.048902	0.101859	-4.99278	4.674285	4.738249	4.616447	4.495279	4.668652	4.679672	4.980658	4.933517	4.795267	4.281009	4.361514	4.32118	4.386902	4.573423	4.602954	4.374256	4.353122	4.536426
PPARD	ENSG0000	0.2029	5.208861	3.530982	0.002477	0.009612	-2.38925	3.662849	3.39414	3.576275	4.052041	4.284653	4.071231	3.976929	3.90213	3.924645	6.549478	6.565845	6.557624	6.745483	6.751716	6.730705	6.687327	6.794602	6.626654
FANCE	ENSG0000	0.303952	2.671654	2.63823	0.016982	0.044221	-3.79489	1.475543	1.631689	2.018628	1.578054	1.953662	2.029614	2.513265	2.568641	2.440135	3.882973	3.811781	4.096105	3.575762	3.717329	3.578659	4.122857	3.980496	4.080593
MAPK14	ENSG0000	0.028558	6.195612	0.553869	0.586685	0.692021	-7.26465	6.234531	6.288557	6.270736	5.740289	5.613956	5.743822	6.330422	6.417458	6.346621	6.414817	6.473889	6.500491	6.078073	6.138233	5.983596	6.476108	6.335861	6.504107
KCTD20	ENSG0000	0.461753	6.674737	5.727894	2.21E-05	0.000235	2.257861	6.520878	6.643756	6.566826	7.023002	6.927127	6.83054	7.268717	7.389566	7.337046	6.324078	6.370422	6.283249	6.466844	6.509398	6.465224	6.507438	6.484348	6.49609
STK38	ENSG0000	0.049347	5.824536	0.884202	0.388589	0.510202	-6.95073	5.149863	5.278849	5.211151	5.860706	5.818465	5.596232	5.431459	5.306587	5.278673	6.06791	6.042395	6.016711	6.677361	6.733445	6.707871	5.9601	6.01263	6.18811
SRSF3	ENSG0000	0.024841	8.409857	0.473646	0.641615	0.739482	-7.48978	8.621725	8.68293	8.567856	8.10405	8.067087	8.03798	8.622295	8.644522	8.613473	8.465935	8.44558	8.411308	8.243155	8.24004	8.225995	8.485308	8.446878	8.53099
SOD2	ENSG0000	0.118187	7.454333	0.975014	0.342856	0.463795	-6.92767	9.651282	9.673616	9.662917	8.951415	8.881614	8.966447	9.864308	9.787023	9.795675	5.473087	5.380746	5.48148	5.426782	5.48534	5.536486	5.529969	5.471879	5.486471
MRPL18	ENSG0000	0.069196	6.086178	1.120735	0.277564	0.39494	-6.74585	6.196482	6.282324	6.076759	6.209037	6.317247	6.263719	6.138227	6.166593	6.150445	6.004393	5.939825	6.064176	5.836975	5.967096	5.857096	6.154943	6.091458	6.228989
MCM3	ENSG0000	-0.34176	6.815547	-1.94076	0.068592	0.133064	-5.71553	6.783324	6.678585	6.756255	6.05186	6.11136	6.117296	6.116986	6.15961	6.131214	8.016499	8.008484	7.998334	6.190958	6.155327	6.172111	7.835638	7.824196	7.842848
RNF8	ENSG0000	-0.15634	4.491336	-2.02769	0.058118	0.116841	-5.16915	4.855064	4.696667	4.595711	4.359318	4.392653	4.315882	4.339849	4.256466	4.467457	4.573314	4.570022	4.719298	4.612964	4.679032	4.739314	4.684453	4.568087	4.59264
MDGA1	ENSG0000	-0.15607	0.425192	-0.37828	0.70978	0.794015	-6.04402	0.667115	0.875715	1.028027	1.519216	1.996426	1.956998	0.415731	0.509405	1.01237	1.732907	1.752042	1.333627	1.573426	1.032323	1.488568	1.759719	1.645686	1.461048
CILK1	ENSG0000	0.207278	3.91141	1.686191	0.109526	0.191927	-5.65392	2.965042	2.55562	2.794903	3.875646	3.844198	3.765857	3.238915	3.415864	3.373665	4.68916	4.739193	4.649089	4.695993	4.736081	4.848508	4.707527	4.801884	4.726565
FBXO9	ENSG0000	0.215009	5.874322	3.274583	0.004341	0.015032	-2.95069	5.633672	5.792378	5.734251	6.049263	6.099149	6.121455	6.059692	6.201009	6.240692	5.737245	5.774826	5.810733	5.864467	5.841114	5.881486	5.772774	5.780968	5.800369
CD83	ENSG0000	-0.34265	2.56196	-2.33856	0.03147	0.071923	-4.24385	2.933205	3.114308	3.296854	2.291228	1.953662	1.880533	2.226405	1.901414	2.530983	3.340597	3.365114	3.555853	2.770846	2.549802	2.743612	3.423579	3.440885	3.352387
MDN1	ENSG0000	-0.29267	6.060397	-3.48044	0.002767	0.010555	-2.55631	5.912046	6.050734	6.111867	5.778422	5.806499	6.062107	5.801308	5.848324	5.836943	6.574966	6.775738	6.268915	6.045689	5.949112	6.152202	6.190474	6.10586	6.220906
SAYSD1	ENSG0000	0.072456	3.056066	0.641635	0.529436	0.642642	-6.508	3.361722	3.222448	3.217639	3.162124	3.053471	3.472196	3.219115	3.083395	2.892531	2.881509	3.126946	3.109727	3.501296	3.470735	3.429496	3.152846	3.467897	3.254409
BMP5	ENSG0000	-1.37456	0.250497	-2.86765	0.010454	0.030124	-2.66341	3.878801	3.7235	3.726899	2.425456	2.229385	2.402038	2.412257	2.184314	2.501332	0.269074	0.330605	0.34382	0.610222	0.416769	0.533283	0.393424	0.637375	0.106501
BACH2	ENSG0000	-0.00778	2.121737	-0.05942	0.953291	0.969837	-6.62356	1.475543	1.465573	0.964748	1.933905	1.996426	1.669505	1.459147	1.658879	1.777424	3.196464	3.034402	3.195594	4.076593	4.179969	4.067427	2.935534	3.160915	2.960231
RBM24	ENSG0000	0.251578	1.314366	1.369519	0.188178	0.290633	-5.12841	4.969353	4.804995	4.777019	4.667726	4.384626	4.639633	5.141824	5.063901	5.057123	0.415169	0.398185	0.288049	0.294634	0.26996	0.263213	0.457048	0.504542	0.315289
CAP2	ENSG0000	-0.07245	4.301655	-0.6446	0.527557	0.640962	-6.77098	4.721647	4.864623	4.866295	5.025739	5.003429	4.979151	4.445869	4.341199	4.380548	3.751589	3.901847	3.863099	4.063713	4.200384	4.046009	4.142342	4.227036	3.992166
ZNF451	ENSG0000	-0.16769	5.301236	-2.98871	0.008065	0.024469	-3.50634	5.325688	5.201677	5.231457	4.772209	4.733289	4.879531	5.015513	5.188055	4.945952	5.910491	5.884933	5.63327	5.461566	5.503938	5.424752	5.621323	5.635678	5.745073
BAG2	ENSG0000	0.830311	5.380942	6.98294	1.89E-06	3.59E-05	4.964266	5.468578	5.507143	5.455144	6.290462	6.397219	6.250487	6.631265	6.572714	6.582599	4.71408	4.45968	4.569452	4.540442	4.627193	4.606616	4.975361	4.959278	4.985143
RAB23	ENSG0000	0.086304	4.29072	1.82103	0.085766	0.158342	-5.48117	4.450796	4.463121	4.382257	4.112999	4.158524	4.036412	4.637058	4.583078	4.490278	4.476768	4.399113	4.460144	4.106206	4.154036	4.20424	4.530299	4.442079	4.494122
GPR63	ENSG0000	0.034855	2.53458	0.334108	0.742274	0.818662	-6.5897	2.917019	2.870177	2.812981	2.255624	2.490996	2.374422	2.480375	2.894433	2.82232	3.134522	3.013005	2.766268	2.479079	2.581279	2.846311	3.113899	3.104657	3.006111
FBXL4	ENSG0000	-0.42597	4.372334	-6.51361	4.63E-06	7.06E-05	4.196119	4.85081	4.774231	4.813395	4.910272	4.960875	4.969954	4.321396	4.307901	4.243986	4.151473	4.378346	4.216766	4.437701	4.425185	4.359898	3.818209	3.929587	4.136669
CCNC	ENSG0000	-0.17652	5.777911	-2.81417	0.011716	0.032997	-3.90745	6.265223	6.291664	6.162096	5.660858	5.57216	5.631655	6.184906	6.143184	6.242934	5.852352	5.795338	5.819366	5.416688	5.428064	5.40806	5.507606	5.507029	5.610463
PRDM13	ENSG0000	0.867875	1.5512	5.505438	3.50E-05	0.000336	2.420907	1.235614	0.582935	1.146821	0.934951	1.006428	1.188496	1.588238	1.367163	1.727075	2.409929	2.561038	2.7037	3.141522	3.357127	3.308792	3.508614	3.171908	3.093712
E2F3	ENSG0000	-0.07636	5.756903	-0.91017	0.375115	0.497464	-6.93654	5.901801	5.860909	5.978065	5.408686	5.550798	5.541409	6.020192	6.175851	5.994232	6.167928	6.096801	6.228745	5.2599	5.188499	5.058283	5.911246	5.844183	5.944791
PTP4A1	ENSG0000	0.539762	8.731702	3.029578	0.007386	0.02279	-3.6831	9.734885	9.74802	9.764099	10.48048	10.36411	10.46122	10.74148	10.73255	10.75334	7.426298	7.350914	7.462272	6.710103	6.806015	6.787468	7.287087	7.316959	7.351159
ASCC3	ENSG0000	-0.18313	6.218008	-1.84335	0.082302	0.153735	-5.76171	6.488384	6.454368	6.553447	6.638531	6.471096	6.60555	6.242435	6.31224	6.159965	6.178198	6.358808	6.202588	5.79343	5.738402	5.701404	6.148935	6.09435	6.147745
BVES	ENSG0000	0.278846	-0.44743	1.115501	0.279739	0.397042	-5.35687	3.84498	3.786518	3.62825	5.062262	4.871804	4.713128	4.045989	3.868266	4.112876	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MED23	ENSG0000	-0.20745	4.925398	-2.77575	0.012711	0.035278	-3.82668	5.121892	5.147837	4.966609	5.072529	4.917027	4.960699	5.109925	5.098392	4.967798	5.04952	5.043519	4.902234	5.05823	5.090728	5.028559	4.62683	4.625193	4.744721
WASF1	ENSG0000	0.230275	4.55333	2.68107	0.015522	0.04124	-3.9483	3.983545	4.190995	4.188143	4.784753	4.522687	4.844735	4.629578	4.651042	4.700591	4.619268	4.68948	4.551799	4.924518	4.901075	5.009321	4.533992	4.736746	4.637057
GPLD1	ENSG0000	-0.16994	0.619601	-0.79649	0.436435	0.557652	-5.84783	1.010037	1.226787	1.146821	1.457877	1.2379	1.367251	1.588238	1.491012	0.925731	1.555182	1.827525	1.696985	1.420179	1.120667	1.610309	1.419885	1.368306	1.273688
ALDH5A1	ENSG0000	-0.23741	4.987899	-4.26481	0.000495	0.002672	-0.67855	4.901049	5.070363	4.998554	4.778495	4.662026	4.76722	4.716879	4.802174	4.745547	5.293423	5.301333	5.303055	5.358113	5.366162	5.33267	5.087664	5.106916	5.033946
CRYBG1	ENSG0000	0.293107	5.852254	1.885588	0.076085	0.144567	-5.6895	4.559062	4.354415	4.222364	5.565938	5.442845	5.528939	4.864381	4.9659	4.726452	6.877177	6.861292	6.836252	6.661776	6.64125	6.655796	7.067717	7.027279	7.075306
ACOT13	ENSG0000	0.193645	4.979622	2.381539	0.028845	0.067141	-4.57811	5.699026	5.745568	5.681107	5.444703	5.176125	5.207592	5.958837	5.899518	6.064348	4.295234	4.439772	4.52189	4.397206	4.195307	4.27499	4.537676	4.477953	4.546811
SMAP1	ENSG0000	-0.10539	5.254222	-1.70845	0.10525	0.185992	-5.81056	5.565217	5.587707	5.519862	5.499001	5.415531	5.506852	5.527156	5.510612	5.408147	5.093595	4.981528	5.093319	5.286012	5.27044	5.208029	4.868275	5.045483	4.894538
RPS12	ENSG0000	-0.06304	8.799813	-1.84245	0.08244	0.153892	-5.9765	9.45226	9.480392	9.400234	9.258452	9.225389	9.17491	9.273495	9.377345	9.353872	8.359115	8.298583	8.271138	8.168923	8.231386	8.251658	8.307409	8.269856	8.306845
C6orf62	ENSG0000	-0.08917	7.429953	-1.25025	0.227688	0.338231	-6.73722	7.569817	7.520887	7.5213	7.662499	7.723245	7.704002	7.428121	7.486692	7.302003	7.418738	7.451769	7.43605	7.135856	7.188491	7.196356	7.389495	7.374001	7.38628
GMNN	ENSG0000	-0.01693	4.798305	-0.11335	0.911048	0.94128	-7.23956	4.901049	5.099019	4.840087	4.236852	4.186495	4.440963	5.009762	4.855002	5.015776	5.675147	5.58849	5.698897	3.617489	3.799921	3.6725	5.660702	5.570712	5.575386
EYA4	ENSG0000	0.841337	0.672834	1.82326	0.085414	0.157871	-4.48329	4.71698	4.860445	4.929803	6.105344	6.101599	6.1624	5.631951	5.78015	5.773239	0.190076	0.330605	0.16959	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
SOBP	ENSG0000	0.321346	0.22691	1.130996	0.273338	0.390252	-5.41961	0.667115	0.582935	0.323815	1.634586	2.229385	1.840725	0.782422	0.509405	0.515351	1.073118	0.89579	1.360915	2.193986	2.127698	2.161508	1.177011	1.513652	1.115245
SNX3	ENSG0000	0.265734	6.637019	5.214344	6.42E-05	0.000533	1.178432	6.611673	6.682141	6.565494	7.139902	6.953141	7.055879	6.947802	6.883627	6.973923	6.328695	6.247552	6.372265	6.487083	6.443485	6.461184	6.527026	6.552177	6.506769
HBS1L	ENSG0000	-0.48276	5.698319	-7.47241	7.67E-07	1.74E-05	5.81265	6.639067	6.561206	6.602343	5.878371	5.78836	5.857899	5.900984	6.080481	5.994232	5.56205	5.538823	5.51223	5.217888	5.160118	5.210438	5.20581	5.217154	5.184529
TRIM38	ENSG0000	0.177149	4.444166	2.09195	0.051329	0.105862	-5.07462	3.919992	4.029182	3.638424	4.122913	4.186495	4.000731	4.174919	4.316298	4.279358	4.692747	4.821501	4.783729	5.26928	5.265605	5.241392	4.799373	4.780497	4.946447
PEX7	ENSG0000	-0.35016	2.98274	-3.50357	0.00263	0.010119	-1.83798	3.593253	3.537122	3.871922	3.376187	3.531716	3.498018	3.388228	3.40015	3.373665	2.894025	2.85362	3.035461	2.921223	2.985883	2.895043	2.368215	2.711397	2.778299
ZBTB24	ENSG0000	0.095228	3.928749	0.912828	0.373753	0.496166	-6.55572	4.473109	4.57954	4.476008	3.70135	3.457132	3.498018	4.6145	4.533523	4.45204	3.938405	3.919204	3.829308	3.53901	3.614588	3.754018	4.031767	4.189664	3.889829
FIG4	ENSG0000	-0.17011	3.356481	-1.69769	0.107299	0.188907	-5.34942	3.603403	3.695626	3.408073	3.921807	4.231942	4.053927	3.158032	3.646467	3.236418	3.196464	3.241771	3.240362	3.635009	3.606961	3.727354	2.968656	3.366281	3.050576
PERP	ENSG0000	-0.01929	8.146636	-0.1676	0.868823	0.911644	-7.54752	9.040531	9.092205	9.072751	8.488418	8.448791	8.466466	9.037407	8.974322	8.977808	7.343734	7.322385	7.421139	7.59675	7.646993	7.600655	7.404701	7.392916	7.418447
ARFGEF3	ENSG0000	-0.34327	3.8267	-1.43735	0.168281	0.267383	-5.95116	3.114469	3.39414	3.359697	4.152252	4.249727	4.308605	2.144798	2.357042	2.087859	4.73162	4.964909	4.586891	4.580176	4.581228	4.617548	4.749424	4.605057	4.656368
HECA	ENSG0000	-0.67525	2.529814	-6.70376	3.21E-06	5.32E-05	4.734601	2.392887	2.513665	2.423483	2.661411	2.605925	2.719893	1.588238	2.220554	1.826075	3.437834	3.532361	3.276636	3.520276	3.503965	3.437743	2.679583	2.854728	3.006111
ADGRG6	ENSG0000	0.369909	6.928539	2.846839	0.010929	0.031194	-3.84613	8.460421	8.505992	8.49554	8.797828	8.730294	8.801921	9.182491	9.180405	9.171455	5.380501	5.256515	5.292465	4.910199	4.959137	4.882136	5.117505	5.033479	4.99276
PHACTR2	ENSG0000	-0.53988	4.28912	-6.18284	8.86E-06	0.000118	3.530717	3.719942	3.838426	3.88052	4.714371	4.70778	4.761901	3.647218	3.491964	3.357206	4.822817	4.833757	4.765977	5.19838	5.120493	5.224807	4.194605	4.216457	4.163911
EPM2A	ENSG0000	-0.25199	2.840563	-2.11986	0.048612	0.101462	-4.55795	3.65311	3.428416	3.62825	3.456785	3.260629	3.349911	3.539581	3.285084	3.124172	2.990428	2.865607	2.957162	2.193986	2.565626	2.330481	2.866919	2.755911	2.570068
SLC39A7	ENSG0000	0.807943	7.465488	7.066069	1.62E-06	3.15E-05	4.872756	6.44671	6.475012	6.444597	7.995595	7.946179	7.993856	7.633729	7.604506	7.652422	7.226771	7.201091	7.246516	7.832991	7.854052	7.858521	7.746144	7.719916	7.663003
PHF1	ENSG0000	0.046643	4.726762	0.754377	0.460667	0.581261	-6.86641	4.833667	4.742796	4.883506	4.701197	4.551652	4.543715	4.83866	4.771967	4.789145	4.77625	4.627471	4.92755	4.82626	4.767207	4.863891	4.868275	4.843731	4.922721
CUTA	ENSG0000	-0.13155	6.396556	-2.24597	0.037898	0.083351	-5.07596	6.519538	6.624173	6.552102	6.684442	6.769624	6.63203	6.54244	6.626038	6.561203	6.246895	6.135682	6.323684	6.48869	6.408816	6.410754	6.024518	5.962863	5.946753
QKI	ENSG0000	0.365381	5.634554	3.494537	0.002683	0.010276	-2.35789	6.415366	6.337478	6.395953	6.832251	6.831459	6.939383	6.900414	7.013235	6.983338	4.748949	4.712893	4.569452	4.47385	4.459468	4.535391	4.691084	4.576385	4.703543
PDE10A	ENSG0000	0.44451	0.697167	1.852051	0.080986	0.151894	-4.44596	5.887335	5.954048	5.988045	6.458425	6.342329	6.508848	6.386973	6.434915	6.385689	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MDFI	ENSG0000	0.229873	1.346818	1.416448	0.174221	0.274585	-6.04687	1.010037	0.582935	0.898566	0.106501	0.25478	0.2349	0.548589	0.253663	0.106501	4.645413	4.716207	4.883539	4.574134	4.67539	4.531543	5.163525	5.054421	4.988957
TFEB	ENSG0000	0.111013	2.374732	0.671386	0.510752	0.625883	-6.3124	2.461454	2.674627	2.446827	2.605941	2.811499	2.22781	2.576877	2.147141	2.309357	2.263275	2.469748	2.53427	3.388755	3.292034	3.326666	2.666185	2.680939	2.724423
CCND3	ENSG0000	0.080166	6.177691	0.519822	0.609709	0.711577	-7.26609	5.86008	5.80765	5.848213	6.36336	6.548576	6.386308	6.220196	6.097632	5.99689	6.450209	6.474868	6.596886	5.896296	5.927843	5.818141	6.498016	6.403878	6.37892
BYSL	ENSG0000	-0.36129	6.171891	-7.14762	1.39E-06	2.79E-05	5.120082	6.566989	6.624173	6.542653	5.872506	5.879712	5.705548	6.314182	6.073067	6.150445	6.546508	6.409841	6.533093	5.992313	5.857276	5.872388	6.245564	6.128608	6.156248
FAM120B	ENSG0000	0.045642	5.250446	0.555746	0.585429	0.690946	-7.06998	5.167074	5.297514	5.264677	5.525403	5.525471	5.550692	4.944941	5.007978	4.973208	4.930021	5.12057	4.925267	5.696635	5.760913	5.731905	5.255863	5.211838	5.326909
TBP	ENSG0000	-0.39846	4.748675	-6.57376	4.12E-06	6.46E-05	4.187969	5.086148	5.077581	5.090354	4.272916	4.293254	4.293939	4.599263	4.526303	4.497806	5.274401	5.155166	5.182053	4.82626	4.739573	4.794943	4.900099	4.946531	4.922721
BICRAL	ENSG0000	-0.51535	4.263534	-9.51794	2.48E-08	1.29E-06	9.431728	4.467563	4.268725	4.418131	4.072648	3.99943	4.170914	3.953155	3.89093	3.913431	4.867929	4.866934	4.711369	4.580176	4.513497	4.519937	4.365992	4.216457	4.335451
PPP2R5D	ENSG0000	0.554558	5.561679	8.330746	1.70E-07	5.45E-06	7.343796	5.240453	5.285098	5.300357	5.436777	5.507103	5.421721	6.076295	5.967735	6.02321	5.424305	5.305739	5.470561	5.664294	5.648392	5.549863	5.832469	5.718611	5.809023
MRPL2	ENSG0000	-0.46877	5.287698	-4.45418	0.000327	0.001922	-0.32995	5.899743	6.007931	5.872121	4.605448	4.681813	4.543715	5.387786	5.132077	5.238799	5.77326	5.487385	5.742345	5.069012	5.076992	5.222422	5.332078	5.431284	5.383047
PTK7	ENSG0000	0.273938	3.688832	4.273365	0.000485	0.002629	-0.65916	1.336422	1.374745	1.358564	2.021307	2.333126	2.196611	1.762502	1.710758	2.047395	5.943981	5.962327	5.920264	6.381191	6.26358	6.257287	6.151341	6.185314	6.189767
SRF	ENSG0000	-0.16209	6.312954	-4.1974	0.000573	0.003003	-1.03795	5.903856	5.860909	5.774017	5.49519	5.561519	5.572123	5.597858	5.550308	5.646906	7.140111	7.071245	7.101879	6.977203	6.863953	6.905151	7.025057	7.024249	6.934107
CUL9	ENSG0000	-0.40972	4.774817	-5.02455	9.59E-05	0.000734	1.038654	5.163648	4.961437	5.207739	4.898777	4.764552	4.894191	4.864381	4.77806	4.923769	4.92393	4.959326	4.791271	4.861416	4.80769	4.94134	4.276243	4.49993	4.4056
DNPH1	ENSG0000	0.09724	5.350053	0.845064	0.409495	0.531187	-6.87894	5.641082	5.881675	5.863473	5.636843	5.664554	5.494077	5.452809	5.431657	5.696813	4.7455	4.815334	4.976888	5.27674	5.292003	5.271695	5.382106	5.329416	5.11644
DUSP22	ENSG0000	0.777101	3.868757	5.933557	1.46E-05	0.000171	3.233714	5.078891	4.999934	5.049003	6.305774	6.223609	6.300868	5.894757	5.932665	6.01011	2.100009	1.922393	2.286428	2.738794	2.686334	2.95373	2.192442	2.078458	2.226823
EXOC2	ENSG0000	-0.13091	5.672507	-1.46548	0.160548	0.257917	-6.21968	6.242672	6.213556	6.174385	6.075025	6.002805	6.104746	6.011586	5.973056	5.94827	5.238045	5.108011	5.170532	5.654305	5.57015	5.685908	5.127316	5.101177	5.249549
COX7A2	ENSG0000	-0.11193	6.778724	-2.27235	0.035953	0.079867	-5.07842	7.124623	7.048185	7.093216	6.958031	6.931266	6.94056	7.011058	7.123806	7.133442	6.694267	6.678858	6.575205	6.487083	6.563594	6.60452	6.389076	6.418951	6.489376
TMEM30A	ENSG0000	0.369973	7.869912	3.811505	0.001337	0.005907	-1.99066	7.175685	7.273097	7.223954	8.217696	8.128455	8.166316	7.958017	8.030363	7.896908	7.821848	7.903019	7.832488	8.131096	8.178662	8.148032	7.872928	7.873008	7.94453
GMDS	ENSG0000	0.06436	4.689683	0.716302	0.483267	0.601833	-6.8922	4.569455	4.813666	4.631806	4.753186	4.580048	4.645422	4.857993	5.002785	5.150819	4.960093	4.928229	4.95467	4.400624	4.331113	4.484549	4.874113	4.79123	4.7174
SENP6	ENSG0000	0.045637	6.34421	1.300656	0.210265	0.317447	-6.57029	6.244294	6.291664	6.382396	6.396431	6.369019	6.391483	6.325801	6.407668	6.336161	6.252981	6.324478	6.402946	6.435525	6.441343	6.415981	6.386015	6.344388	6.376011
VEGFA	ENSG0000	0.304628	7.028781	2.317174	0.032857	0.074497	-5.05191	7.229924	7.135498	7.209525	6.617648	6.610109	6.637848	7.309079	7.147529	7.191458	7.216842	7.404792	7.227184	6.141761	6.102069	6.080272	7.831518	7.837203	7.808736
PRPF4B	ENSG0000	0.159769	6.639832	2.578283	0.019244	0.048763	-4.49105	6.320107	6.35837	6.303073	6.706036	6.740045	6.813931	6.568102	6.603916	6.579055	6.741781	6.776532	6.673703	6.768817	6.660719	6.754009	6.762439	6.7713	6.884817
TTK	ENSG0000	0.575456	3.031069	2.366848	0.029718	0.068613	-4.28788	2.996191	2.802095	2.661582	3.06262	3.151334	2.885561	3.719464	3.809996	3.733845	3.77884	4.045764	3.663876	1.838325	1.993753	1.947161	4.088113	4.011424	3.992166
SLC29A1	ENSG0000	0.0563	4.693342	0.432145	0.67092	0.763375	-7.10856	4.772011	4.653851	4.720675	4.218476	4.551652	4.28655	4.384974	4.68386	4.364168	5.307527	5.256515	5.263838	4.238165	4.293598	4.098971	5.580838	5.462956	5.414576
BTN2A1	ENSG0000	0.249968	5.114605	2.592611	0.018679	0.047644	-4.22512	5.114814	5.08834	5.060398	5.359221	5.375591	5.359696	5.719113	5.669801	5.735532	4.980776	5.06707	4.987869	4.851459	4.850301	4.891173	4.947942	4.822959	4.96205
TENT5A	ENSG0000	0.153559	6.32672	1.339465	0.197578	0.302007	-6.40439	7.344794	7.467629	7.404695	7.991543	7.820167	7.940122	7.897796	7.775638	7.754139	5.141621	5.258789	5.083114	4.922141	4.959137	4.97856	4.847651	4.917433	4.874064
CLIC5	ENSG0000	-0.18283	0.346019	-2.19911	0.041595	0.089811	-4.76264	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.692747	4.602618	4.735026	5.92269	5.788145	5.832286	4.515433	4.49118	4.399883
FBRSL1	ENSG0000	-0.04635	6.45888	-0.48802	0.631599	0.730777	-7.31411	6.32778	6.402146	6.654657	6.299232	6.537759	6.150238	6.205178	6.00976	6.321389	6.315961	6.460119	6.676421	6.791779	6.815972	6.725662	6.719303	6.646815	6.506769
ENPP5	ENSG0000	-0.63734	0.320262	-6.80197	2.66E-06	4.70E-05	4.764076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.992463	4.860959	4.830842	5.772474	5.635331	5.751886	4.132632	4.343431	4.216898
PRSS16	ENSG0000	0.507858	3.13844	4.385554	0.00038	0.002164	0.034281	3.056542	2.90305	2.99819	4.350907	4.009905	4.053927	3.158032	2.960209	3.143496	2.494552	2.561038	2.649405	3.814873	3.852467	3.773698	3.245848	3.277464	3.279535
TBX18	ENSG0000	0.209514	1.935828	1.008803	0.326832	0.446756	-5.75706	3.385444	3.483793	3.359697	4.161901	4.213935	4.379778	3.586698	3.564249	3.681923	1.315703	1.335727	0.921995	1.088368	0.986036	1.08859	1.214313	1.289746	1.170016
ERBIN	ENSG0000	-0.18034	6.653999	-1.26044	0.22408	0.333952	-6.64557	7.052366	7.051854	7.040485	6.585745	6.493661	6.649416	6.741204	6.856535	6.643251	6.388521	6.405742	6.301849	6.965132	6.952372	6.984701	6.274548	6.230705	6.424686
PCDHB2	ENSG0000	0.255681	2.344426	2.842552	0.011029	0.031435	-3.62728	0.667115	0.736739	0.679585	0.841981	1.087782	0.3528	0.782422	0.509405	1.0941	5.104407	5.059262	5.166672	5.75121	5.776294	5.786202	5.428474	5.380064	5.265357
HARS2	ENSG0000	-0.17435	6.090102	-2.87179	0.010362	0.029901	-3.84506	6.086809	6.165255	6.115514	5.704425	5.782263	5.832753	5.875913	5.75257	5.836943	6.248114	6.377765	6.348605	6.367281	6.374416	6.399186	6.328703	6.205516	6.216033
NUDT12	ENSG0000	-0.05459	4.640866	-0.67438	0.508894	0.624304	-6.90205	4.467563	4.543506	4.526184	4.569652	4.376555	4.524999	4.358069	4.349405	4.41276	4.769473	4.78725	4.72456	5.2599	5.292003	5.354615	4.743057	4.780497	4.771534
CEP72	ENSG0000	0.579806	4.25328	2.710517	0.01459	0.039193	-3.82333	3.96004	3.777682	3.897563	4.43289	4.310303	4.685302	5.253102	5.263813	5.283036	4.533868	4.322908	4.385707	3.778549	3.772912	3.707028	4.285035	4.247965	4.115895
MAN2A1	ENSG0000	0.098877	6.982867	1.812327	0.087151	0.160436	-5.87673	7.386536	7.416605	7.3761	7.609718	7.506443	7.571948	7.533082	7.635034	7.468322	6.34246	6.419021	6.283249	6.75753	6.724662	6.72482	6.406303	6.37325	6.383273
SEMA5A	ENSG0000	0.161144	3.162064	1.162103	0.260817	0.376375	-5.9689	4.179456	4.293732	4.382257	4.112999	4.061165	4.447604	4.536652	4.230044	4.41276	2.444376	2.779525	2.314614	2.162115	1.871771	2.161508	2.652661	2.841019	2.629903
TENT4A	ENSG0000	-0.26396	5.743658	-5.70311	2.33E-05	0.000243	2.283219	6.281119	6.113526	6.184836	5.312338	5.355198	5.234723	5.866398	5.839612	5.85464	6.110095	6.082749	6.015638	5.244764	5.44741	5.33267	5.88835	5.844183	5.888745
HMGCS1	ENSG0000	-0.4399	6.418147	-5.77453	2.01E-05	0.000218	2.356313	6.449526	6.495365	6.407897	6.112826	6.210046	6.133861	5.961819	5.962395	5.991568	7.117607	7.051048	7.083056	6.279957	6.275656	6.298627	6.644414	6.62698	6.745249
DAP	ENSG0000	0.318173	6.940152	4.876539	0.000132	0.00094	0.422143	7.058835	7.015675	6.977762	7.391289	7.436342	7.396861	7.113817	7.185839	7.247231	6.515455	6.427133	6.492031	6.681583	6.659798	6.743236	6.957917	6.935114	6.910175
NME5	ENSG0000	-0.29192	1.071023	-1.42049	0.173058	0.273175	-5.36592	1.430644	1.118985	1.30847	0.934951	1.087782	0.984419	1.317361	1.082132	0.925731	2.121457	1.967585	2.228347	2.862939	3.009215	2.795875	1.833493	1.956613	1.910335
BRD8	ENSG0000	0.10686	5.572996	2.043236	0.056405	0.114069	-5.33824	5.160214	5.263109	5.217952	5.643745	5.674464	5.722075	5.56294	5.423907	5.500968	5.651384	5.696457	5.63047	5.909553	5.987797	5.930525	5.70232	5.635678	5.565205
KIF20A	ENSG0000	0.405263	3.955418	1.331361	0.200176	0.305116	-6.09123	4.014302	3.944869	4.065319	4.647264	4.293254	4.690911	4.950956	4.87219	4.73921	4.364327	4.479316	4.32118	2.371704	2.451029	2.365487	4.293774	4.216457	4.18401
NNT	ENSG0000	-0.04097	5.392521	-0.383	0.706339	0.791159	-7.17372	5.078891	5.033724	5.123327	5.904469	6.002805	6.0137	5.324334	5.435516	5.313214	5.462622	5.421918	5.44688	5.634118	5.510085	5.58556	5.191852	5.132464	5.09537
MRPS30	ENSG0000	-0.2509	6.034772	-4.17935	0.000596	0.003094	-1.00915	6.572167	6.572745	6.58272	6.017729	6.064398	6.081451	6.264336	6.116987	6.094449	5.895008	5.942657	6.076575	5.743154	5.711984	5.661468	5.969675	5.883166	5.789478
HSPA9	ENSG0000	-0.03518	9.69681	-0.9772	0.341804	0.462746	-7.18575	10.18665	10.18161	10.1322	9.932687	9.914	9.94435	10.16766	10.14765	10.16568	9.53789	9.445473	9.466487	9.008259	9.026956	9.063713	9.412679	9.404146	9.438362
MRPS27	ENSG0000	-0.05633	6.996123	-1.45162	0.164321	0.262408	-6.42544	7.556164	7.617517	7.585153	7.403541	7.440219	7.408821	7.546053	7.592457	7.590404	6.708509	6.548288	6.634409	6.247104	6.341475	6.360667	6.48758	6.566826	6.520007
PFDN1	ENSG0000	0.021563	6.299003	0.38861	0.702258	0.787704	-7.3404	6.352062	6.226601	6.239328	6.087736	6.184845	6.202215	6.232593	6.310139	6.348704	6.349293	6.303701	6.320212	6.486279	6.437048	6.600853	6.314817	6.355279	6.370175

HBEGF	ENSG0000	-0.53006	3.967578	-1.53796	0.141965	0.234192	-5.79363	5.023273	4.747329	4.866295	3.290819	3.410458	3.292047	3.904396	3.967564	3.979442	3.576295	3.848485	3.937488	4.803198	4.863163	4.848508	3.711377	3.546022	3.601852
LOX	ENSG0000	1.06504	-0.04167	4.095903	0.000716	0.00357	-0.41381	0.216396	0.215206	0.323815	0.258133	0.512209	0.563119	0.106501	0.387194	0.106501	2.263275	2.267764	1.653508	3.100071	3.009215	2.942182	3.011667	3.277464	3.079476
APBB3	ENSG0000	-0.82961	3.39528	-6.56103	4.22E-06	6.56E-05	4.446647	4.992709	4.817982	5.1197	4.199863	4.1957	4.146631	4.13321	3.956862	4.243986	3.102524	3.086546	2.756026	2.862939	2.686334	2.647333	2.464239	2.465551	2.226823
TMCO6	ENSG0000	0.220462	3.4249	2.485907	0.023299	0.056843	-4.14368	2.668993	2.730641	2.661582	3.456785	3.093416	3.119801	3.19904	2.825515	2.748518	4.037631	4.066685	3.886761	4.390344	4.358622	4.480563	3.940112	4.338561	4.305185
IK	ENSG0000	-0.18781	7.181717	-3.64156	0.001943	0.007915	-2.31777	7.08533	6.970834	6.924712	6.94132	6.934019	6.947605	6.859433	6.855094	6.918913	7.461938	7.432254	7.515606	7.583652	7.663171	7.669241	7.249399	7.22165	7.224271
HMGCR	ENSG0000	-0.08358	6.372833	-1.58548	0.130784	0.220082	-6.20881	6.176225	6.282324	6.200371	5.982771	5.916364	5.995687	6.269158	6.349536	6.31288	6.93737	6.827217	6.835644	6.269712	6.397808	6.334405	6.661395	6.635939	6.654531
CERT1	ENSG0000	-0.17393	5.578859	-2.75956	0.013154	0.036205	-4.01834	5.163648	5.211553	5.082923	5.147291	5.114368	5.238557	5.257962	5.263813	5.207006	6.304287	6.273652	6.211984	5.878019	5.930901	5.903984	5.895544	5.967602	5.946753
FAF2	ENSG0000	0.08847	7.358964	1.801943	0.088829	0.162461	-5.96241	7.307253	7.333129	7.249899	7.200843	7.123181	7.076378	7.565785	7.545909	7.574474	7.55157	7.535753	7.502647	7.211765	7.19804	7.26459	7.477462	7.449348	7.457501
PCDHB6	ENSG0000	0.293792	0.457009	1.712291	0.104527	0.184942	-5.10604	0.216396	0.316291	0.323815	0.841981	0.625525	0.461789	0.269385	0.106501	0.256032	2.856146	2.946841	2.786535	3.60569	3.622174	3.548512	3.143207	3.356678	3.149291
PDE8B	ENSG0000	-0.32588	-0.91755	-1.42007	0.17318	0.273339	-4.98019	3.385444	3.35903	3.296854	3.875646	3.855857	3.432575	3.050103	2.894433	2.959482	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CLK4	ENSG0000	0.4262	3.859385	2.821412	0.011537	0.032572	-3.43965	3.562366	3.547555	3.726899	4.448742	4.478119	4.358792	4.31208	4.373746	4.388669	3.45483	3.576789	3.141546	4.505944	4.450973	4.554478	3.374993	3.529023	3.581792
PCDHB15	ENSG0000	0.174987	1.403642	1.112198	0.281117	0.398364	-6.12883	0.216396	0.215206	0.323815	1.022291	0.92021	1.123626	0.415731	0.622068	0.833554	3.938405	3.953305	4.03812	4.454245	4.390067	4.338034	4.062774	3.986735	3.992166
GRM6	ENSG0000	0.468073	-1.41954	2.379184	0.028983	0.067373	-3.70559	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.646779	1.335727	1.305813	2.649667	2.686334	2.633039	1.880661	1.766644	1.461048
RNF130	ENSG0000	0.269736	5.719021	5.03633	9.36E-05	0.000719	0.928527	5.633672	5.692494	5.7295	6.180841	6.296007	6.289823	6.076295	5.986272	6.043926	5.183009	5.191334	5.245653	5.903542	5.91709	5.903984	5.396376	5.31709	5.478356
THG1L	ENSG0000	0.348259	4.865448	4.497952	0.000298	0.001781	-0.11512	5.004246	5.070363	4.908943	5.015132	5.119213	5.159862	5.183289	5.083711	5.087374	4.327889	4.423646	4.48516	4.978126	4.950123	4.917949	5.049474	4.860815	4.874064
ARSB	ENSG0000	0.479571	4.652132	2.229734	0.039143	0.08547	-4.72813	4.798758	4.822285	4.662041	6.087736	6.071915	6.174461	5.624444	5.581992	5.489686	4.222665	3.958911	3.995227	3.804587	3.852467	3.892464	3.989359	3.896833	4.044405
CLINT1	ENSG0000	0.004459	7.84026	0.082859	0.934905	0.957782	-7.55008	8.016433	8.105457	8.046561	8.187901	8.105442	8.19225	8.216394	8.153802	8.156717	7.698391	7.69874	7.665734	7.401577	7.462272	7.403703	7.556746	7.616588	7.559747
CNOT6	ENSG0000	0.207008	6.567613	5.180913	6.89E-05	0.000565	1.09301	6.153953	6.158464	6.089793	6.365449	6.434631	6.448879	6.393612	6.415505	6.280514	6.791131	6.749293	6.75566	6.889902	6.874314	6.846735	6.883887	6.960695	7.012065
TTC1	ENSG0000	0.024995	6.528168	0.615404	0.546219	0.65741	-7.25175	6.35657	6.349454	6.277261	6.436731	6.28095	6.420466	6.460489	6.365808	6.411824	6.698733	6.653153	6.678456	6.783293	6.838128	6.809881	6.614207	6.642869	6.720234
MSH3	ENSG0000	-0.06863	4.717245	-1.33452	0.199159	0.303967	-6.23845	5.153322	5.003727	5.014266	4.827817	4.933626	4.874612	5.060712	4.905964	4.934903	4.660143	4.555295	4.583999	4.561973	4.553723	4.62479	4.492842	4.625193	4.557121
RASGRF2	ENSG0000	-0.34529	-0.79491	-0.73711	0.470836	0.590587	-5.57978	2.345296	2.448351	2.399755	2.063099	1.996426	2.029614	1.917967	1.605065	1.564539	0.106501	0.259702	0.16959	0.234608	0.26996	0.106501	0.393424	0.2791	0.315289
GABRG2	ENSG0000	-0.03025	-1.79499	-0.13534	0.893889	0.929115	-6.05224	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.891119	1.029669	1.188864	1.755315	1.738515	1.550722	1.13872	1.329561	1.115245
CCNG1	ENSG0000	1.174963	5.640785	11.52658	1.35E-09	1.41E-07	12.32481	6.570874	6.685688	6.622985	7.75146	7.64056	7.651759	7.80538	7.906531	7.838819	3.165825	3.330936	3.195594	4.540442	4.649638	4.591911	4.122857	4.111883	4.394143
POLR3G	ENSG0000	-0.25608	4.827935	-4.74389	0.000175	0.001175	0.406189	5.364998	5.463733	5.347631	4.845887	4.86605	4.772519	4.968851	4.997573	5.07736	4.842324	4.948095	4.943432	4.323482	4.381153	4.372859	4.755763	4.721863	4.86164
DROSHA	ENSG0000	-0.00138	6.389588	-0.02755	0.978336	0.985741	-7.44607	5.799565	5.860909	5.931247	6.049263	5.960231	5.979739	6.124988	5.970398	5.991568	6.917583	6.917793	6.970749	6.782638	6.825039	6.7923	6.836079	6.768586	6.867315
CDH6	ENSG0000	-0.74729	-0.44238	-2.08338	0.052191	0.107266	-4.34659	0.216396	0.215206	0.219246	0.395333	0.512209	0.3528	0.106501	0.253663	0.106501	2.990428	3.044983	3.149392	1.218025	1.282615	1.320349	2.494877	2.410923	2.549558
LMNB1	ENSG0000	-0.01107	6.20373	-0.05737	0.954904	0.970855	-7.45381	6.37001	6.368704	6.336266	5.514147	5.57216	5.683212	6.360105	6.497174	6.411824	7.181541	7.185037	7.216486	4.684821	4.725555	4.681452	7.082922	7.134424	7.10284
ARRDC3	ENSG0000	0.592268	5.971039	9.854406	1.48E-08	8.77E-07	9.814101	6.040867	6.205343	6.274002	6.122741	6.031362	6.25428	6.959782	6.84932	6.850006	5.387157	5.489323	5.478369	5.384248	5.430226	5.457569	5.898412	5.854454	5.962353
GOLPH3	ENSG0000	0.307129	6.856308	8.488404	1.31E-07	4.39E-06	7.498215	6.361064	6.300944	6.356437	7.024325	6.966647	6.953449	6.734246	6.742773	6.688357	6.811892	6.838665	6.796831	7.307744	7.311482	7.286446	7.06389	7.108196	6.996049
SUB1	ENSG0000	0.158312	7.543503	2.509052	0.022213	0.054671	-4.7016	7.839883	7.848657	7.710996	7.60265	7.51198	7.586313	8.039302	8.136717	8.096018	7.355094	7.256768	7.271446	7.186243	7.290211	7.22761	7.328076	7.264646	7.37758
NPR3	ENSG0000	0.606354	5.749998	8.27042	1.89E-07	5.85E-06	7.230672	5.237197	5.369848	5.274496	6.004384	6.026211	6.233295	6.119658	6.060626	5.975483	5.460519	5.531317	5.427652	5.713225	5.901588	5.88752	5.989982	5.912956	5.880558
FAM172A	ENSG0000	-0.08252	4.564925	-1.20442	0.244486	0.35748	-6.34249	4.707601	4.937835	4.706239	5.082724	5.054916	5.076625	4.744844	4.59693	4.585199	4.408616	4.415514	4.405499	4.400624	4.484656	4.554478	4.450484	4.313961	4.370952
TARS1	ENSG0000	-0.05964	8.426825	-0.53324	0.600581	0.703576	-7.44379	8.928428	8.92322	8.94409	8.482173	8.431851	8.521402	9.039878	9.023228	9.034868	8.101924	8.039238	8.089858	8.19278	8.200047	8.232231	7.833017	7.870058	7.876173
LNPEP	ENSG0000	0.29146	5.984535	3.088405	0.006505	0.02074	-3.38641	5.310279	5.297514	5.217952	5.737065	5.847955	5.926062	5.928678	5.851216	5.934468	6.325233	6.526746	6.174026	6.226064	6.383372	6.289542	6.425317	6.386287	6.371636
PDE4D	ENSG0000	0.24799	6.400434	2.716082	0.01442	0.038846	-3.91769	8.660522	8.702903	8.714816	9.158073	9.134379	9.20951	8.979372	8.960661	8.960206	3.944434	3.992097	3.853525	3.719554	3.981932	3.922159	3.956715	4.047684	4.242679
RAD1	ENSG0000	-0.10733	5.531688	-1.88292	0.076465	0.145115	-5.64977	5.411954	5.285098	5.16263	4.833866	4.939117	5.00189	5.193472	5.344028	5.261087	6.242008	6.19982	6.239812	5.594369	5.672341	5.58556	6.128319	5.911317	6.166386
BRIX1	ENSG0000	-0.45588	6.871817	-9.70245	1.86E-08	1.04E-06	9.479691	7.114013	7.164596	7.173246	5.977316	6.106488	6.089965	6.711398	6.626038	6.57728	7.604888	7.468077	7.614575	6.721082	6.769759	6.731544	7.182744	7.12597	7.174911
PRLR	ENSG0000	0.314222	0.139598	1.391829	0.181434	0.283259	-5.49566	0.106501	0.215206	0.323815	0.52061	0.828511	0.461789	0.269385	0.106501	0.106501	2.650221	2.841532	2.581432	3.575762	3.560336	3.421201	2.935534	3.127424	3.065099
SLC12A7	ENSG0000	-0.02852	6.576109	-0.3073	0.762246	0.833333	-7.39455	7.025253	6.984337	7.080213	6.462335	6.632311	6.60109	6.808999	6.670928	6.7289	6.310136	6.216297	6.32455	6.539191	6.301873	6.463205	6.575313	6.524569	6.404842
RAD50	ENSG0000	-0.41993	6.804976	-8.51209	1.26E-07	4.27E-06	7.553901	7.314994	7.299573	7.360051	7.064746	7.052746	7.200503	6.713169	6.778157	6.76989	6.667178	6.699096	6.639292	6.646021	6.664398	6.667239	6.404287	6.383925	6.409117
ST8SIA4	ENSG0000	0.843048	0.791322	2.402165	0.027659	0.064965	-3.52481	4.088441	4.15733	4.034833	4.982834	5.034541	5.089421	4.902122	5.07384	4.819498	0.190076	0.330605	0.230035	0.171976	0.345231	0.106501	0.326864	0.2791	0.214669
GNPDA1	ENSG0000	0.010999	6.593463	0.120915	0.905138	0.937318	-7.43967	6.980199	6.839015	6.904831	6.543927	6.436573	6.466969	6.999498	7.071441	6.961728	6.405012	6.346029	6.484297	6.50625	6.505302	6.478276	6.353992	6.299984	6.380373
SKP1	ENSG0000	0.032676	7.450258	0.938967	0.360543	0.482497	-7.06545	7.800722	7.796576	7.781548	7.793964	7.761714	7.728749	7.828433	7.859905	7.822426	7.098132	7.075767	7.068646	7.148111	7.164013	7.223442	7.082922	7.060931	7.166517
NUP155	ENSG0000	-0.519	6.637122	-9.35145	3.22E-08	1.57E-06	8.938481	6.923601	6.968895	6.90904	6.059623	6.056841	6.000211	6.197609	6.225736	6.174129	7.3271	7.351446	7.255631	6.477404	6.474201	6.468246	6.991877	6.93592	6.951799
PPP2CA	ENSG0000	-0.11399	7.793404	-2.70436	0.01478	0.039607	-4.33757	8.237425	8.204381	8.13993	7.775227	7.681267	7.775687	8.005747	8.098888	8.009143	7.717002	7.658395	7.731894	7.50564	7.495179	7.473556	7.603624	7.619603	7.671332
NR3C1	ENSG0000	-0.1664	6.753889	-4.14316	0.000645	0.003284	-1.15341	7.143006	7.193119	7.193226	7.245768	7.304287	7.323841	7.053603	6.998961	6.960366	6.375191	6.516329	6.39224	6.438022	6.423001	6.455103	6.196311	6.361294	6.254557
C5orf15	ENSG0000	0.023193	7.216886	0.521388	0.60864	0.710796	-7.35797	7.417068	7.368867	7.35389	7.595548	7.496235	7.610927	7.521004	7.583788	7.492072	6.956143	7.006405	7.017584	6.970893	7.026423	6.997311	6.867882	6.919708	6.88584
PPWD1	ENSG0000	0.03761	4.635404	0.568199	0.577128	0.684147	-6.9657	4.669462	4.778666	4.676925	4.59836	4.681813	4.690911	4.908318	4.971227	4.849226	4.920876	4.669105	4.651854	4.502766	4.557684	4.419411	4.661004	4.568087	4.726565
LIFR	ENSG0000	-0.22221	6.369729	-2.25402	0.037294	0.08229	-4.9414	7.920238	7.923164	7.888246	8.12886	7.876343	8.012452	7.940742	7.963775	7.849155	5.159875	5.207908	5.127485	4.805779	4.916583	4.909079	4.496632	4.517274	4.551975
TRIM23	ENSG0000	0.011462	4.149956	0.119597	0.906166	0.938042	-6.95602	4.363907	4.452056	4.476008	4.687901	4.573001	4.656929	4.688362	4.657666	4.819498	3.962373	3.986619	4.079775	3.783794	3.871689	3.910354	3.623987	3.713375	3.922098
TRAPPC13	ENSG0000	0.343403	4.743296	4.430913	0.000344	0.002003	-0.23388	4.538049	4.389636	4.574673	5.12773	5.089893	5.268872	4.883375	5.21525	4.895553	4.557665	4.378346	4.618325	4.823716	4.950123	4.912042	4.654234	4.714363	4.789136
SEC24A	ENSG0000	0.63061	6.723546	7.175354	1.32E-06	2.68E-05	5.13973	6.22141	6.335974	6.255944	7.229802	7.164786	7.231619	7.078541	7.066472	7.093013	6.362863	6.469968	6.328011	6.662488	6.629065	6.632633	6.85613	6.828865	6.83696
TXNDC15	ENSG0000	0.63108	5.980264	5.102744	8.13E-05	0.000644	1.051634	5.736401	5.671183	5.676178	7.13256	7.117138	7.114437	6.373601	6.331009	6.543128	5.172773	5.331897	5.243822	5.789524	5.858882	5.751886	5.712133	5.768349	5.778504
TTC33	ENSG0000	-0.20217	3.251563	-2.01153	0.059949	0.119772	-4.7946	4.09565	3.777682	3.971859	4.132759	4.020303	3.91707	3.941119	3.761625	3.796224	3.113269	2.946841	2.756026	3.074617	3.032175	3.064395	2.509956	2.868308	2.649309
RARS1	ENSG0000	-0.37734	7.850241	-7.40485	8.68E-07	1.91E-05	5.476102	8.123021	8.189052	8.114645	7.635917	7.536638	7.521695	7.646756	7.669034	7.632044	8.117685	8.031943	8.145349	7.857452	7.889061	7.826295	7.808453	7.84538	7.831213
WWC1	ENSG0000	-0.01772	6.745824	-0.13856	0.891385	0.927596	-7.45445	7.076249	7.016614	7.022147	6.4407	6.623812	6.543358	7.238302	7.202921	7.243878	6.595228	6.568597	6.644854	6.766831	6.745652	6.747389	6.43127	6.408533	6.362847
MACROH2	ENSG0000	-0.19879	8.305209	-7.45142	7.97E-07	1.79E-05	5.529804	8.426163	8.388668	8.391859	7.87025	7.877773	7.826251	8.227586	8.213462	8.157312	8.761703	8.683826	8.739164	8.132381	8.156303	8.126192	8.55307	8.506714	8.541414
TCERG1	ENSG0000	0.029834	6.619746	0.450708	0.657741	0.753189	-7.34981	6.736823	6.69158	6.71839	6.759444	6.69694	6.660892	6.88636	6.914374	6.760534	6.714696	6.704112	6.688588	6.216398	6.20795	6.184416	6.622902	6.646815	6.619292
DPYSL3	ENSG0000	-0.28691	3.542584	-1.57606	0.13294	0.222629	-5.29823	6.140075	6.178742	6.080495	6.436731	6.504813	6.427202	5.83422	5.833775	5.660384	1.116489	1.335727	1.219002	2.412911	2.169719	2.014873	1.482378	1.478665	1.416439
SMAD5	ENSG0000	0.03668	6.843596	0.775311	0.448519	0.569262	-7.16029	7.07807	7.093392	7.09691	6.959414	6.886495	6.988027	7.237072	7.290763	7.236023	6.736579	6.725647	6.621069	6.582726	6.512463	6.554203	6.600185	6.573059	6.649721
CSNK1A1	ENSG0000	0.027017	7.216206	0.322621	0.750809	0.825328	-7.46941	7.268708	7.277021	7.249899	6.733796	6.660839	6.650856	7.174192	7.2508	7.203017	7.264614	7.385148	7.391673	7.380092	7.416105	7.425639	7.486066	7.4363	7.41986
HMGXB3	ENSG0000	-0.20702	6.844938	-2.63197	0.017206	0.044621	-4.39678	6.866801	6.830496	6.914283	7.244634	7.201803	7.146423	6.716703	6.555084	6.629611	6.979821	6.930688	6.87876	6.804093	6.729938	6.779379	6.761652	6.712283	6.760945
ERGIC1	ENSG0000	0.27793	8.465488	2.531627	0.021201	0.052643	-4.71831	8.527921	8.559811	8.575156	8.564046	8.567883	8.546753	9.124467	9.061818	9.058602	8.082918	8.0399	8.060771	8.506128	8.445354	8.444836	8.109405	8.065088	8.116045
PDGFRB	ENSG0000	1.648766	-0.04595	2.962121	0.00854	0.025661	-2.49147	2.90065	2.448351	2.848472	4.707799	4.648682	4.777799	4.393833	4.247712	4.404775	0.269074	0.259702	0.106501	0.106501	0.106501	0.106501	0.183756	0.2791	0.214669
ATP6V0E1	ENSG0000	0.204159	7.368933	4.572174	0.000253	0.001564	-0.26721	7.362085	7.329355	7.298026	8.088324	8.050694	8.036329	7.697722	7.629991	7.675008	6.895967	6.81645	6.907382	7.385709	7.382998	7.424602	6.970235	6.909892	6.948865
BNIP1	ENSG0000	0.143607	4.30994	2.471178	0.024016	0.058183	-4.32122	4.625314	4.543506	4.739702	4.245952	4.213935	4.264152	4.552561	4.77806	4.895553	4.276236	4.322908	4.355501	3.928165	3.933972	3.837423	4.504182	4.534411	4.376785
STC2	ENSG0000	0.059741	7.988035	0.487136	0.632215	0.73143	-7.43515	9.255513	9.160283	9.194324	8.173664	8.256575	8.273923	8.856192	8.778182	8.794369	7.166789	7.189812	7.326121	6.746155	6.691694	6.662849	7.805783	7.824196	7.754887
CPEB4	ENSG0000	0.430713	5.054493	3.719767	0.001636	0.006897	-1.81746	5.420591	5.361002	5.267957	5.460427	5.57921	5.519514	6.09271	6.087856	6.089476	4.537862	4.483212	4.369004	4.745223	4.600559	4.719156	4.438712	4.534411	4.541628
DBN1	ENSG0000	0.22687	5.853273	0.785795	0.442511	0.563343	-6.92729	6.825124	6.759347	6.869637	7.030922	7.132797	6.982322	6.332727	6.114582	6.204348	3.723813	4.117695	3.990867	6.11079	5.914003	5.965171	5.286834	5.372937	5.252725
ZNF346	ENSG0000	0.018524	4.414463	0.334736	0.741808	0.818382	-7.03067	4.351916	4.256058	4.314076	4.3081	4.42432	4.407292	4.544628	4.316298	4.198517	4.537862	4.51019	4.651854	4.790225	4.714951	4.6463	4.566809	4.580516	4.577525
EHHADH	ENSG0000	0.136939	2.358689	1.22905	0.235344	0.346998	-5.81002	2.109269	2.332462	1.78216	2.661411	2.549605	2.629332	2.340763	2.540248	2.202855	2.736149	2.900983	2.592986	3.318207	3.131201	3.335521	2.706012	2.770449	2.778299
SMC4	ENSG0000	0.10077	5.96979	0.532337	0.601195	0.704179	-7.25307	5.887335	5.938276	6.061717	5.932924	5.845033	5.904501	6.364618	6.391864	6.240692	6.586579	6.526746	6.522559	4.74791	4.953134	4.820398	6.387036	6.368479	6.442871
SELENOK	ENSG0000	0.274337	4.532108	2.674261	0.015746	0.041686	-4.00716	3.878801	3.888531	3.62825	4.290615	4.507984	4.330328	4.283766	4.467202	4.33084	4.936085	5.167323	5.035219	4.792829	4.916583	4.851597	5.117505	5.222451	5.133766
ACTR8	ENSG0000	-0.11052	5.012154	-1.83947	0.082896	0.154437	-5.59663	4.693417	4.804995	4.58523	5.009799	4.960875	4.969954	4.6145	4.855002	4.620106	5.402569	5.366053	5.437298	5.333285	5.372923	5.348066	5.194188	5.23036	5.255893
TBCCD1	ENSG0000	0.334976	3.6516	4.736139	0.000178	0.001189	0.595995	3.288121	3.417081	3.162305	3.688057	3.722109	3.498018	3.617275	3.477062	3.586306	3.838337	3.958911	3.743789	4.01993	4.220515	4.104162	4.276243	4.065478	4.150354
TIMMDC1	ENSG0000	-0.19222	6.240899	-4.64872	0.000215	0.001372	-0.01862	6.332364	6.335974	6.117333	6.149661	6.137866	6.083584	6.042896	5.959717	5.967373	6.45866	6.450203	6.485847	6.381191	6.364273	6.408658	6.343508	6.349239	6.322618
CRBN	ENSG0000	0.000652	4.319212	0.005846	0.995402	0.996708	-7.03153	4.548594	4.57954	4.55869	4.290615	4.455308	4.337497	4.666597	4.547856	4.640652	4.156676	4.082178	4.147939	4.568067	4.585115	4.621173	4.171084	4.029668	4.087723
BCL6	ENSG0000	-0.29242	4.709353	-3.17522	0.005389	0.017916	-2.92646	4.564268	4.418344	4.671981	5.222985	5.253089	5.257578	4.688362	4.489649	4.570996	4.911672	4.726103	4.763423	5.237136	5.032138	5.131289	4.222335	4.446612	4.197255
HGD	ENSG0000	1.029849	2.841821	2.399734	0.027796	0.065212	-3.86437	4.138162	4.17089	4.281987	5.532858	5.525471	5.490866	5.601686	5.352217	5.474506	1.76051	2.115463	2.198406	0.945898	1.032323	0.812339	1.354562	1.478665	1.322858
ARL6	ENSG0000	0.694987	3.166035	5.889949	1.59E-05	0.000184	3.114708	2.609804	2.693541	2.883112	3.325575	3.48743	3.377995	3.719464	3.967564	3.513908	3.145032	2.969234	3.077191	3.599754	3.666873	3.600863	3.439417	3.366281	3.477085
NPHP3	ENSG0000	-0.45421	1.417698	-2.52537	0.021477	0.053199	-3.47407	2.320899	2.576149	2.399755	2.740812	2.490996	2.805104	1.648695	2.357042	2.127218	1.732907	1.616737	1.305813	1.446877	1.622273	1.722572	1.482378	1.16325	1.170016
AMOTL2	ENSG0000	-1.18889	7.138612	-3.79862	0.001375	0.006033	-1.96408	8.819175	8.584086	8.677992	6.234408	6.358812	6.217839	6.770407	6.764414	6.847062	7.185365	7.089887	7.258808	7.340594	7.297928	7.263431	6.727389	6.683765	6.58695
NIT2	ENSG0000	-0.35912	5.119279	-3.44798	0.002971	0.011154	-2.38403	6.428271	6.415023	6.35026	5.797117	5.812494	5.584228	6.062473	5.932665	5.937239	4.493314	4.36574	4.310722	4.359059	4.390067	4.389961	4.072963	4.232297	4.129778
FAM162A	ENSG0000	0.069636	4.982873	1.113252	0.280677	0.398023	-6.61001	5.045778	5.134056	4.986657	4.464421	4.507984	4.824468	4.83866	5.028565	4.951444	5.255126	5.301333	5.204822	4.836392	4.92887	4.926766	5.490603	5.396559	5.420236
OGG1	ENSG0000	0.055506	3.892492	0.716462	0.483171	0.601801	-6.68711	3.541402	3.741788	3.618004	3.827958	4.051057	4.079806	3.841036	3.605944	3.979442	3.985951	4.061483	4.087963	4.592186	4.394504	4.333621	3.967679	4.11758	4.014786
KPNA1	ENSG0000	0.183948	6.821135	3.169508	0.005456	0.018085	-3.2898	6.90012	7.038046	6.979764	6.96769	6.831459	6.951114	7.278316	7.21195	7.316974	6.552442	6.575912	6.52633	6.666043	6.675378	6.663728	6.615079	6.602812	6.667675
PCCB	ENSG0000	-0.02508	5.741813	-0.37412	0.712817	0.796184	-7.23415	6.423982	6.502086	6.477556	5.932924	5.930216	6.066428	6.456267	6.361757	6.470386	5.295783	5.26106	5.324005	5.19838	5.068687	5.264758	5.390277	5.219805	5.243178
UBE3A	ENSG0000	-0.11765	7.483983	-3.08079	0.006613	0.021009	-3.55045	7.621299	7.630457	7.628544	7.170097	7.064098	7.099755	7.513911	7.588995	7.498653	7.750511	7.707924	7.712164	7.343262	7.400749	7.371239	7.55493	7.582494	7.623687
ARMC8	ENSG0000	-0.00733	5.447367	-0.11092	0.912943	0.942523	-7.29736	5.278958	5.29442	5.033667	5.444703	5.371535	5.384134	5.243334	5.210752	5.174497	5.689578	5.796904	5.788295	5.610696	5.520271	5.609485	5.679162	5.786343	5.751822
CEP70	ENSG0000	-0.04442	4.774035	-0.24886	0.806367	0.866341	-7.15748	4.871956	4.852052	4.921495	4.122913	3.967543	4.088331	5.032629	5.197177	4.983968	4.99537	4.919631	4.890578	5.26928	5.287239	5.239034	4.743057	4.784083	4.7671
SLC25A36	ENSG0000	-0.04262	5.420802	-0.40366	0.691357	0.77922	-7.18636	5.487883	5.546688	5.429007	5.845818	5.785315	5.857899	5.457042	5.517911	5.278673	5.47933	5.53695	5.313568	5.090337	5.162721	5.163969	5.338427	5.394214	5.515842
RNF7	ENSG0000	0.007169	6.162111	0.191035	0.8507	0.899429	-7.37702	6.070438	6.074377	6.078628	6.286057	6.203217	6.306359	6.051319	6.090306	6.157591	6.204815	6.180756	6.217593	6.235665	6.227976	6.336612	6.217134	6.209523	6.142619
TFDP2	ENSG0000	-0.4473	4.502646	-2.43333	0.025954	0.061806	-4.40888	4.807565	5.041126	4.795321	4.209199	4.360275	4.241401	4.143751	4.282412	4.103038	4.541844	4.521599	4.488257	5.210117	5.366162	5.262439	4.276243	4.242761	4.353311
XRN1	ENSG0000	0.03785	4.540241	0.55943	0.582967	0.689005	-6.95518	4.165822	4.230384	4.003689	4.612502	4.628433	4.639633	4.358069	4.365678	4.364168	4.809665	4.899366	4.748003	4.86884	4.959137	4.998211	4.687772	4.751478	4.784756
KAT2B	ENSG0000	0.582781	2.674396	3.480175	0.002769	0.010555	-1.744	3.84498	4.073175	4.011539	3.955484	4.091068	4.138446	4.792514	4.734864	4.751857	1.891119	1.8028	1.73919	1.644349	1.793303	1.667532	1.681967	1.613793	1.626848
BCHE	ENSG0000	1.164503	-0.11756	5.219626	6.35E-05	0.000529	1.831847	4.333741	4.080378	4.057757	5.067404	4.982309	5.093661	5.233498	5.27247	5.474506	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PDCD10	ENSG0000	0.231279	5.450378	3.443467	0.003001	0.011238	-2.55656	5.187459	5.161486	5.067946	4.971905	5.049849	5.093661	5.310366	5.263813	5.392079	5.589243	5.581239	5.644417	5.870643	5.953629	5.993421	5.761793	5.946952	5.890784
WNT5A	ENSG0000	-0.98796	4.379724	-2.7645	0.013018	0.035918	-3.59207	6.699458	6.913505	6.771358	4.640378	4.842803	4.854763	5.67619	5.653324	5.745052	3.236329	3.322263	3.262236	3.686328	3.976023	3.502077	2.568742	2.568968	2.84714
PFKFB4	ENSG0000	0.705991	3.574822	3.3706	0.00352	0.012727	-2.53371	3.114469	2.935191	3.090013	2.063099	2.71237	2.697781	2.724622	2.650616	2.202855	4.766072	5.318878	4.776148	3.569701	3.536446	3.404467	5.930987	5.908034	5.921037
COL7A1	ENSG0000	0.051164	5.460923	0.181959	0.857709	0.904178	-7.28936	5.745596	5.60029	5.994	5.790912	5.842105	5.781107	5.093706	5.053893	4.855099	5.471	5.696457	5.437298	4.647902	4.569504	4.667494	6.219429	6.174423	6.305902
FGF12	ENSG0000	0.607558	1.898676	2.991173	0.008023	0.024359	-2.68789	1.602421	1.81559	1.202741	2.955742	3.012388	2.805104	2.186178	2.650616	2.239236	2.263275	1.827525	2.088428	2.51737	2.657091	2.497588	2.211015	2.274787	2.14716
PRKAR2A	ENSG0000	-0.14032	6.814319	-2.94359	0.008886	0.026468	-3.77178	6.926636	7.030628	6.911139	6.712616	6.795585	6.773537	6.937237	7.008061	6.938406	7.003117	7.011134	6.964091	6.536086	6.581215	6.595334	6.747408	6.676065	6.748627
HES1	ENSG0000	0.039089	3.687842	0.477742	0.638754	0.73702	-7.03016	3.026682	3.085957	2.865896	1.688986	2.490996	1.919272	2.806512	2.981485	3.084728	5.22572	5.19846	5.35826	4.518584	4.561635	4.580783	5.440329	5.396559	5.088278
USP4	ENSG0000	0.021724	5.14392	0.293348	0.772711	0.840808	-7.23081	4.816318	4.965333	4.662041	4.540361	4.384626	4.679672	4.56045	4.796183	4.855099	5.564009	5.608245	5.602163	5.76321	5.760913	5.814979	5.596816	5.711094	5.703906
ACAP2	ENSG0000	-0.36138	5.897208	-6.08152	1.08E-05	0.000136	3.056575	6.232898	6.16356	6.153254	5.740289	5.726197	5.791585	5.879071	6.107342	6.0206	6.275876	6.330977	6.200701	5.583883	5.603108	5.503472	5.761793	5.707321	5.821907
ECT2	ENSG0000	0.589953	5.616273	3.754158	0.001517	0.00652	-1.87231	6.169409	6.205343	6.162096	5.974582	5.973671	6.079314	6.794021	6.921271	6.880558	5.286319	5.321056	5.263838	3.894617	3.819851	3.862146	5.675823	5.703538	5.802537
GNAI2	ENSG0000	0.188671	7.416706	5.710028	2.30E-05	0.000241	2.146863	6.890826	6.943443	6.937129	7.377898	7.485017	7.337314	7.103055	7.033748	7.106615	7.477096	7.432254	7.535576	7.991289	7.976739	7.955766	7.72772	7.709109	7.64136
TFG	ENSG0000	-0.07331	7.503526	-1.57929	0.132197	0.221672	-6.29735	7.912605	7.928163	7.892503	7.69526	7.667274	7.721233	7.786165	7.768006	7.794429	7.223676	7.206992	7.18391	7.241139	7.314412	7.317504	7.218179	7.130908	7.212088
USP9Y	ENSG0000	0.161429	3.845338	2.101801	0.050355	0.104244	-4.86149	3.288121	3.417081	3.477724	4.299384	4.040879	4.249025	3.490873	3.384264	3.572114	3.772076	4.061483	3.789694	4.667899	4.718494	4.695277	4.005409	3.923096	4.255399
HYAL1	ENSG0000	0.040469	2.45144	0.183699	0.856364	0.903094	-6.46086	3.19722	3.39414	3.090013	3.181227	3.362223	3.152687	3.891945	3.724251	3.681923	2.444376	2.193623	2.604447	2.178139	2.016959	1.801384	1.571317	1.981819	1.844513
TUSC2	ENSG0000	-0.40493	5.724958	-5.81302	1.86E-05	0.000205	2.512075	5.754732	5.790183	5.771708	5.132645	5.180767	5.294884	5.026946	5.063901	5.131593	6.239558	6.255545	6.39966	6.082337	6.099354	6.098594	6.122199	6.05035	6.083215
NPRL2	ENSG0000	0.152909	4.486144	2.565084	0.01978	0.049913	-4.18768	4.014302	3.904854	4.153091	4.472198	4.392653	4.293939	4.367093	4.247712	4.261781	4.789709	4.644965	4.735026	5.125882	4.982902	5.143946	4.808549	4.729324	4.890466
RPL24	ENSG0000	-0.09622	8.574693	-2.41787	0.026787	0.063374	-4.95622	8.763404	8.765133	8.689964	8.433712	8.425508	8.368382	8.583138	8.635742	8.645171	8.670069	8.590983	8.619108	8.476267	8.544254	8.547957	8.53222	8.546061	8.577949
CYB561D2	ENSG0000	-0.1681	3.550538	-1.9543	0.066857	0.130373	-5.03212	3.397161	3.347134	3.347346	3.898911	3.912781	4.170914	3.370387	3.250449	3.437684	3.651939	3.854512	3.848714	4.028794	3.981932	4.024267	3.588914	3.485627	3.55117
C3orf14	ENSG0000	-0.55048	3.490334	-5.03885	9.31E-05	0.000717	1.366514	4.744758	4.864623	4.676925	4.342447	4.213935	4.315882	3.904396	4.030158	4.063004	3.113269	2.991286	2.974933	2.921223	2.671787	2.95373	2.843302	2.908298	2.912845
FXR1	ENSG0000	-0.28369	7.214313	-5.54715	3.21E-05	0.000314	1.821593	7.630634	7.615039	7.598894	7.131332	6.980027	7.103965	7.246883	7.32133	7.191458	7.28198	7.279347	7.258808	7.076184	7.076983	7.047349	7.053636	7.049056	7.096668
CBLB	ENSG0000	-0.36677	5.223506	-4.02082	0.000844	0.004085	-1.20881	5.045778	5.03743	5.052811	5.848808	5.797458	5.783733	4.583863	4.696781	4.849226	5.387157	5.459973	5.37006	5.538057	5.606937	5.654408	5.062316	4.996855	4.985143
BBX	ENSG0000	0.128662	6.287073	1.554631	0.137954	0.229355	-6.20772	6.371495	6.26346	6.282136	6.728936	6.669124	6.79192	6.249772	6.41355	6.101877	5.969338	6.14923	5.953134	6.274378	6.214238	6.178277	6.312669	6.256754	6.333156
IFT57	ENSG0000	-0.16619	4.970357	-0.66357	0.515621	0.630524	-6.92345	4.833667	4.774231	4.652033	4.938614	5.084948	5.114677	4.13321	4.238905	4.270596	4.592639	4.634494	4.654613	6.803448	6.750852	6.810675	4.54135	4.847164	4.744721
GNB4	ENSG0000	0.552819	5.261766	3.795153	0.001386	0.006074	-1.68063	5.32262	5.401827	5.325763	6.31012	6.252564	6.221718	6.106247	6.335147	6.028417	4.637991	4.675929	4.71666	4.480326	4.541772	4.512148	4.811595	4.917433	4.886383
IQCG	ENSG0000	0.154799	2.391328	1.307178	0.208089	0.314763	-5.74677	1.894617	2.039077	1.667608	2.518519	2.633282	2.317553	2.186178	1.945386	2.239236	2.763691	2.753956	2.957162	3.937609	3.752319	3.87435	2.807136	3.081525	2.830235
GBE1	ENSG0000	0.009844	6.024875	0.11059	0.913201	0.942625	-7.30081	7.078979	7.083567	6.997657	7.092759	7.061583	7.063465	6.909708	6.959299	6.907654	5.074478	5.160041	5.133432	4.792829	4.834061	4.836082	5.378002	5.309644	5.2872
UMPS	ENSG0000	-0.11651	6.027161	-3.18649	0.005258	0.017577	-3.18312	6.148765	6.132709	6.067376	5.707722	5.779205	5.757249	5.976635	5.896721	5.875015	6.251766	6.278143	6.295675	6.006965	6.013985	6.036143	6.257897	6.218828	6.199673
NCBP2	ENSG0000	0.153981	6.974217	2.117043	0.04888	0.101827	-5.39512	6.786668	6.73673	6.73033	6.660819	6.620398	6.659462	6.76188	6.977944	6.981997	7.022485	7.007758	7.062946	7.384846	7.379645	7.422525	7.143398	7.232848	7.179089
SNX4	ENSG0000	-0.02102	5.292164	-0.36909	0.716491	0.799262	-7.20255	5.173901	5.309824	5.20089	5.171375	4.939117	5.147678	5.218618	5.331655	5.220718	5.491736	5.500898	5.413061	5.472976	5.62215	5.483693	5.459873	5.375316	5.406045
C3orf52	ENSG0000	-0.31594	3.83339	-2.88781	0.010014	0.029143	-3.48297	3.84498	3.812706	3.522358	2.661411	2.787348	3.216292	3.004565	3.141256	3.124172	4.678347	4.726103	4.818593	4.800613	4.714951	4.546874	4.54135	4.580516	4.582581
FRMD4B	ENSG0000	0.105601	3.482893	0.930076	0.365	0.486815	-6.50331	2.884092	2.870177	2.94999	2.81607	2.881616	2.784269	3.238915	3.318907	3.373665	4.103779	4.147458	4.063257	4.610014	4.354074	4.573316	4.21775	3.974229	4.066226
SLC41A3	ENSG0000	-0.36062	5.079743	-3.62199	0.002028	0.008168	-2.07672	5.792929	5.544085	5.681107	4.863733	5.07001	4.913508	5.188389	5.117737	5.146036	5.004057	5.142905	5.056239	5.132064	5.000472	4.970056	4.856526	4.897703	4.853297
PLXNA1	ENSG0000	0.221107	7.198124	2.124851	0.04814	0.100698	-5.4046	7.053292	7.087148	7.221418	6.996285	7.149473	7.022908	7.055	6.91299	6.935637	7.149928	7.295499	7.250169	7.165295	7.072144	7.108682	7.832642	7.757802	7.684913

ATP6V1A	ENSG0000	0.316846	6.161139	2.226765	0.039375	0.085871	-5.08934	5.319544	5.575013	5.508813	6.587536	6.499248	6.538701	6.454151	6.393849	6.289216	6.187125	6.290423	6.217593	6.370771	6.434896	6.411801	6.051821	6.063691	6.092105
ABTB1	ENSG0000	-0.35661	3.111006	-1.41552	0.174488	0.274915	-5.6848	3.672523	3.82133	3.792147	3.181227	3.394558	3.292047	3.523527	3.550079	3.323715	2.943032	2.741	2.826234	3.884887	3.852467	3.68641	2.464239	2.518186	2.649309
PODXL2	ENSG0000	0.371804	6.145865	6.622377	3.75E-06	5.97E-05	4.143401	5.797357	5.910253	6.069258	6.733796	6.784952	6.770892	6.182352	6.138456	6.321389	5.615934	5.579421	5.655479	6.463579	6.384488	6.478276	6.102439	6.142646	5.884657
UPK1B	ENSG0000	-0.49147	-1.86311	-1.62538	0.121976	0.208735	-4.63767	2.218961	1.631689	1.818408	2.181668	2.333126	2.22781	1.240874	1.15884	1.620777	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CSPG5	ENSG0000	-0.34544	1.629805	-1.66879	0.112972	0.196443	-4.97091	2.949211	2.693541	2.641489	2.518519	2.660129	2.675323	2.724622	1.809233	2.202855	1.490718	1.55885	1.858866	1.524131	1.560439	1.51998	1.571317	2.054898	1.416439
KLHL18	ENSG0000	-0.30059	5.768587	-6.06115	1.13E-05	0.00014	3.007822	5.79071	5.73191	5.683566	5.031013	5.1432	5.080903	5.586312	5.45466	5.485906	6.522526	6.386111	6.383119	6.017022	5.914003	5.855558	6.133197	6.075448	6.068874
SCAP	ENSG0000	0.300207	5.966394	6.076285	1.09E-05	0.000137	3.051447	5.665509	5.605293	5.741349	6.23212	6.230343	6.121455	6.135589	5.946255	6.033605	5.805088	5.787484	5.813205	6.286439	6.124944	6.192968	6.146525	6.018732	5.938889
NEK11	ENSG0000	-0.43354	2.580377	-3.07151	0.006747	0.021337	-2.68915	2.688195	2.76681	3.06005	2.933382	2.787348	2.652511	2.058296	2.255906	2.34318	2.777267	2.804649	2.974933	3.581798	3.659519	3.478287	2.611312	2.601856	2.724423
MRPL3	ENSG0000	-0.17894	7.356001	-5.77856	2.00E-05	0.000216	2.291706	7.573049	7.503575	7.578563	7.173678	7.177618	7.19558	7.273525	7.352283	7.368181	7.491066	7.505906	7.545644	7.210792	7.252214	7.247685	7.347092	7.412745	7.362962
PLSCR4	ENSG0000	-0.21481	2.447072	-1.45363	0.16377	0.261822	-5.47012	2.296082	2.356396	1.818408	3.472378	3.441741	3.321269	2.226405	1.988058	2.202855	2.83033	2.618839	2.569785	3.46257	3.552417	3.615478	2.583072	2.030948	2.570068
HEMK1	ENSG0000	-0.33876	4.351635	-5.33818	4.95E-05	0.000438	1.785317	4.829349	4.624584	4.611291	4.584077	4.485643	4.543715	4.348988	4.290959	4.235006	4.493314	4.34876	4.34187	4.518584	4.509412	4.452348	4.072963	4.123255	4.21038
CISH	ENSG0000	0.249212	1.104902	1.757187	0.096388	0.173669	-4.9397	1.010037	1.061904	1.202741	1.393812	1.006428	1.188496	1.389995	0.915275	0.735084	2.243849	2.338281	2.272125	2.357702	2.288901	2.257813	2.611312	2.568968	2.610232
MAPKAPK3	ENSG0000	-0.12114	5.997166	-1.25795	0.224956	0.335012	-6.6311	5.70139	5.656799	5.741349	4.765896	4.770725	4.946703	5.003988	5.018308	5.087374	6.996603	6.901874	7.035159	6.543063	6.445625	6.441838	7.196207	7.101743	7.095784
ACVR2B	ENSG0000	-0.16299	3.466892	-1.55511	0.13784	0.229206	-5.72364	3.373632	3.273623	3.443319	2.933382	2.948483	3.051692	3.474265	3.698786	3.406029	4.048869	4.256177	3.914651	3.804587	3.981932	3.928025	3.812139	3.786722	3.669942
WDR48	ENSG0000	-0.09295	5.194807	-1.33691	0.198394	0.303027	-6.35765	4.749336	4.921884	4.795321	4.944216	5.075006	5.089421	4.744844	5.023446	5.046897	5.473087	5.510473	5.509184	5.812803	5.832965	5.860167	5.344748	5.279468	5.236778
COMMD2	ENSG0000	0.102469	5.542765	0.781384	0.445033	0.565896	-6.99221	5.648453	5.683061	5.46661	5.307999	5.194607	5.219282	5.767627	5.737018	5.791729	5.411303	5.436055	5.422805	5.946273	5.968584	5.879974	5.43836	5.511363	5.515842
GORASP1	ENSG0000	0.161563	5.368224	2.63701	0.017025	0.044266	-4.17314	5.437711	5.337144	5.480815	5.647184	5.677752	5.669075	5.69423	5.546744	5.741885	5.066207	5.069663	5.041557	5.561152	5.399654	5.465657	5.059757	5.206502	5.177863
RRP9	ENSG0000	-0.39023	5.836021	-4.92187	0.000119	0.000869	0.616125	6.153953	6.111769	6.278888	5.392386	5.600158	5.408166	5.597858	5.376512	5.548858	6.226009	6.089154	6.249882	5.913148	5.788145	5.725182	6.016621	5.989515	6.058025
ABCC5	ENSG0000	0.121557	4.240315	1.524976	0.145156	0.238296	-5.87168	3.710582	3.657602	3.607684	4.654117	4.607895	4.788301	3.705302	4.019913	4.00079	4.373294	4.447768	4.190389	4.96664	5.01783	4.961501	4.357681	4.437531	4.274271
AADAC	ENSG0000	-0.16174	-0.37642	-0.66287	0.516062	0.630912	-5.73743	4.553837	4.446492	4.301326	3.999198	3.6964	3.765857	4.19533	4.59693	4.063004	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ABHD14B	ENSG0000	-0.16765	6.342092	-1.98804	0.062703	0.124038	-5.531	6.756286	6.718377	6.806748	6.406612	6.403191	6.492884	6.568102	6.448347	6.508148	6.162765	5.972062	6.144887	6.383784	6.285244	6.390715	5.975118	6.079832	5.989254
EIF1B	ENSG0000	-0.00578	5.11622	-0.07859	0.938249	0.960503	-7.22385	5.346988	5.372784	5.309937	5.082724	5.003429	5.050687	5.519082	5.364416	5.359397	5.190639	4.916753	5.119519	5.029814	5.173088	4.96721	5.007591	4.92395	5.123395
ARHGEF26	ENSG0000	-0.36867	3.558468	-5.09646	8.24E-05	0.000651	1.321313	2.815895	2.886707	2.99819	3.041869	2.926537	3.069023	2.858632	3.002451	2.959482	4.581075	4.669105	4.60982	4.580176	4.604394	4.468538	4.088113	4.156841	4.229846
KLHL24	ENSG0000	-0.21193	2.626432	-0.76975	0.451729	0.572112	-6.2122	1.826927	1.947501	1.667608	3.70135	3.112982	3.548316	2.545421	2.255906	2.560038	2.527059	2.646894	2.796562	4.914988	5.020703	4.891173	2.075685	2.101639	2.119598
PLCH1	ENSG0000	-0.50818	0.913038	-2.38186	0.028826	0.06712	-3.75598	1.561356	1.708084	1.358564	1.182548	1.612488	1.757653	0.670238	1.001115	1.314712	1.940223	2.074736	1.896649	1.573426	1.495836	1.775589	1.784732	1.956613	1.626848
VIPR1	ENSG0000	0.029696	0.068932	0.107963	0.915254	0.943678	-6.393	0.587539	0.499412	0.421314	0.258133	0.25478	0.461789	0.106501	0.106501	0.106501	2.163418	2.285719	2.396013	3.830164	3.759216	3.933868	2.611312	2.799093	2.507643
DNAH1	ENSG0000	-0.26089	2.74095	-1.71705	0.103637	0.183668	-5.12611	3.603403	3.638208	3.717332	3.647423	3.457132	3.765857	3.788265	3.724251	3.721038	2.693825	2.646894	2.396013	2.412911	2.269709	2.449456	1.903678	2.006592	1.81044
SSR3	ENSG0000	0.206204	7.269049	5.430753	4.08E-05	0.000381	1.571644	7.287716	7.410188	7.205254	7.303572	7.242342	7.278932	7.49962	7.626619	7.507069	7.177067	7.140098	7.113959	7.0633	7.073529	7.149424	7.275001	7.336632	7.327261
ZBTB47	ENSG0000	0.554877	2.492449	3.478802	0.002777	0.010579	-1.80935	2.461454	2.125186	2.492412	3.123142	3.441741	3.200652	2.981245	3.250449	2.798137	2.527059	2.469748	2.510098	2.491955	2.581279	2.559363	2.924322	2.680939	2.760563
NKTR	ENSG0000	0.067447	5.233237	0.650863	0.5236	0.637259	-7.02134	4.780982	4.893538	4.925655	5.605366	5.431202	5.741121	4.968851	5.078784	5.117003	5.42646	5.487385	5.164737	5.466467	5.468605	5.376231	5.210433	5.309644	5.461988
CLCN2	ENSG0000	-0.02422	3.508561	-0.28851	0.776352	0.843125	-6.88433	3.210562	3.260998	3.231147	3.21869	3.410458	3.26222	2.884002	3.141256	3.00245	4.13575	4.176619	4.15575	3.830164	3.890658	4.088533	4.222335	4.200441	4.216898
FOXP1	ENSG0000	-0.02629	4.069294	-0.15075	0.881898	0.921555	-7.05328	2.589523	2.935191	2.776595	4.227693	4.293254	4.308605	2.981245	2.848856	2.77354	5.066207	5.072251	5.000938	5.152484	5.18338	5.166452	4.988878	4.956102	4.942519
EIF4G1	ENSG0000	-0.13539	9.561086	-5.41751	4.20E-05	0.000387	1.393135	9.606251	9.581903	9.61992	9.367493	9.352224	9.400453	9.507778	9.441603	9.455219	9.791092	9.778618	9.736206	9.561909	9.476596	9.560706	9.637967	9.620705	9.638551
SPCS1	ENSG0000	0.078737	6.912886	2.053746	0.055273	0.112145	-5.49384	6.788894	6.874671	6.809001	6.955259	6.880799	6.94526	6.865814	7.017103	7.039862	6.865308	6.896042	6.97517	6.976057	6.987305	6.99172	6.946186	6.906605	6.933118
NEK4	ENSG0000	-0.11838	5.157306	-1.66733	0.113267	0.196859	-5.92427	5.190829	5.059469	5.05661	4.562385	4.392653	4.434292	4.792514	4.971227	4.878354	5.651384	5.657342	5.620625	5.551958	5.524325	5.491637	5.642002	5.585175	5.544626
SLC4A3	ENSG0000	-0.29276	2.693952	-1.34713	0.195147	0.29928	-5.68381	3.27548	3.027527	3.489013	2.864145	3.151334	2.904994	2.607661	2.702788	2.798137	2.777267	2.355385	2.510098	3.228726	3.528394	3.68641	2.494877	2.535313	2.549558
INO80D	ENSG0000	-0.1944	4.535994	-1.88299	0.076455	0.145115	-5.4344	5.045778	4.881217	4.831244	4.103016	4.071202	4.379778	4.819063	5.07384	4.782996	4.926979	4.976009	4.500578	4.36607	4.307781	4.284167	4.481413	4.40994	4.567359
EEF1B2	ENSG0000	0.118143	8.944915	2.366033	0.029767	0.068705	-5.06825	9.088292	9.054524	9.044338	9.303008	9.251553	9.265081	9.291382	9.268505	9.301608	8.774663	8.676828	8.743868	8.578278	8.582185	8.605598	8.712081	8.744808	8.777428
ADAM23	ENSG0000	0.90439	1.640489	2.122212	0.048389	0.101115	-4.01923	5.87482	5.863	5.792357	7.430734	7.286089	7.33194	6.768706	6.834781	6.806721	0.415169	0.259702	0.16959	0.234608	0.190544	0.186984	0.106501	0.106501	0.315289
DGUOK	ENSG0000	-0.22724	6.301658	-1.9837	0.063223	0.124687	-5.55836	6.715925	6.806806	6.807875	5.720837	5.732536	5.926062	6.458379	6.48419	6.3632	6.374075	6.290423	6.462418	6.244253	6.364273	6.238527	6.260129	6.241181	6.284342
MOB1A	ENSG0000	0.307045	7.395376	5.262498	5.80E-05	0.000493	1.199641	7.130777	7.203877	7.092291	7.262681	7.155382	7.202467	7.527055	7.679649	7.617433	7.356226	7.398101	7.387947	7.494086	7.571613	7.551626	7.518114	7.562271	7.565505
KANSL3	ENSG0000	0.056647	6.396839	0.785929	0.442435	0.563296	-7.09697	6.825124	6.73102	6.834669	6.448604	6.453938	6.508848	7.023954	7.004168	6.939788	6.084386	6.145548	6.138002	6.126359	6.076066	5.98641	6.020575	6.07105	6.052569
LMAN2L	ENSG0000	0.448527	5.044475	4.555601	0.000263	0.001606	-0.05733	4.410898	4.287521	4.314076	5.137544	5.029402	5.024275	5.147073	5.068879	5.041756	5.321493	5.288033	5.225382	5.392856	5.154897	5.246096	5.55199	5.558198	5.431488
RTKN	ENSG0000	1.254007	4.734329	7.460784	7.84E-07	1.77E-05	5.889277	2.780548	2.836538	2.446827	4.944216	5.013874	4.98829	4.330652	4.256466	4.252911	4.886838	5.048786	5.030978	5.838236	5.907809	5.864762	6.044073	6.151003	6.024978
TTL	ENSG0000	0.370275	5.737226	2.773617	0.012769	0.035416	-3.92117	6.037128	6.059873	5.935379	6.812478	6.897819	6.925177	6.4068	6.497174	6.491277	5.077225	5.051412	4.983487	5.003078	4.901075	4.938437	5.231053	5.284541	5.302602
IL1A	ENSG0000	-0.37909	2.195923	-0.79016	0.440026	0.561082	-5.92076	7.023364	7.111965	7.056697	2.688367	2.490996	2.784269	6.67734	6.626038	6.663472	0.834246	0.524532	0.726056	0.46104	0.671977	0.470356	0.686723	0.816175	0.659518
CCL20	ENSG0000	-0.30388	1.644337	-1.49068	0.153871	0.249469	-5.1363	4.302931	4.268725	4.095173	3.605613	3.560502	3.655458	3.976929	3.685883	4.073118	1.116489	0.89579	0.958181	0.46104	0.550009	0.760679	0.974502	1.206659	0.580851
PIKFYVE	ENSG0000	-0.04774	5.835833	-0.80118	0.433784	0.555061	-7.00545	5.784032	5.759098	5.805961	6.125209	6.00018	6.202215	5.904087	6.004573	5.770134	5.847534	5.901039	5.720126	5.902337	5.884342	5.983596	5.63686	5.674845	5.607985
KCNIP3	ENSG0000	0.827572	3.347348	3.38685	0.003397	0.012383	-2.0452	4.192962	4.197635	4.235828	5.227586	5.133653	5.302231	5.59402	5.169636	5.37174	2.338465	2.42184	2.152295	2.626498	2.127698	2.416453	1.970607	1.851139	1.844513
FAHD2A	ENSG0000	0.072564	4.589326	0.751164	0.462549	0.582834	-6.81873	4.842264	4.980813	4.85325	4.720913	4.293254	4.586466	5.120637	4.976535	5.067277	4.434552	4.399113	4.500578	4.561973	4.537767	4.516048	4.55958	4.367537	4.399883
NCL	ENSG0000	-0.09568	10.38773	-2.07708	0.052833	0.108335	-5.697	10.53855	10.53247	10.51888	10.19261	10.2111	10.22617	10.43383	10.46382	10.44392	10.66675	10.60247	10.61273	9.979078	10.02216	9.997572	10.47948	10.51347	10.56431
ACTR1B	ENSG0000	0.096412	5.688109	1.493382	0.15317	0.248531	-6.23741	5.075249	4.933864	5.094055	5.44865	5.488499	5.500479	5.498697	5.360361	5.313214	6.06929	6.006304	5.956492	6.434692	6.475248	6.412847	5.926779	5.992618	5.940859
SLC35F5	ENSG0000	0.27429	6.354029	3.043092	0.007174	0.022299	-3.512	5.999192	6.026697	5.935379	6.446632	6.448173	6.428881	6.702513	6.620963	6.605426	6.422397	6.413928	6.383119	6.401807	6.425171	6.359583	6.334008	6.33219	6.416214
ACTR3	ENSG0000	0.168068	7.970899	3.357559	0.003621	0.012985	-2.99446	7.699083	7.797122	7.718208	7.828452	7.819422	7.812811	8.069332	8.095843	8.053873	8.133605	8.130241	8.171352	7.908169	7.913612	7.93698	8.164939	8.136973	8.193684
STEAP3	ENSG0000	-0.26963	5.837292	-1.10392	0.284595	0.402291	-6.73959	5.934331	5.920324	5.986055	4.955356	5.226392	5.223158	5.104539	5.146277	5.126746	5.865123	5.9054	5.895985	7.161773	7.059627	7.119616	5.989982	6.018732	5.942826
EPB41L5	ENSG0000	-0.26728	5.060362	-3.00098	0.007855	0.023973	-3.37324	5.237197	5.300601	5.350729	5.543969	5.627623	5.54451	4.851577	5.007978	4.795267	5.149472	4.978771	4.961372	4.96202	4.965115	4.961501	4.787047	5.006099	4.86164
SF3B6	ENSG0000	-0.46572	6.915769	-5.47234	3.75E-05	0.000355	1.674109	7.196789	7.191457	7.095064	6.23212	6.166236	6.293514	6.424199	6.457866	6.37551	7.484356	7.454747	7.372109	7.074044	7.168553	7.151932	7.164993	7.21834	7.194032
TP53I3	ENSG0000	-0.19795	4.658999	-0.89647	0.382186	0.503846	-6.63081	5.539016	5.352102	5.411316	5.299283	5.454395	5.234723	4.576101	4.630987	4.527529	3.737768	3.654848	3.7997	4.998573	5.020703	5.055606	4.276243	4.211138	4.229846
DNAJC27	ENSG0000	0.989244	2.553571	7.446429	8.04E-07	1.80E-05	6.072972	2.165157	2.576149	2.794903	3.408969	3.588725	3.292047	3.277716	3.26787	3.254305	2.163418	2.011405	1.759838	2.949505	2.596763	2.965187	2.901634	2.827179	2.706008
STAM2	ENSG0000	-0.08948	5.325091	-1.30313	0.209436	0.316431	-6.38528	5.590951	5.528369	5.597531	5.554996	5.613956	5.686023	5.535185	5.495903	5.463015	4.957113	5.212608	5.060406	5.42006	5.31559	5.544145	5.031299	4.917433	5.000336
GPD2	ENSG0000	0.124936	6.480361	0.725637	0.477666	0.596701	-7.19168	5.485141	5.381559	5.408347	6.110336	6.106488	6.125602	6.174663	6.212301	6.1928	7.457729	7.455739	7.418301	6.687192	6.68989	6.627234	7.153636	7.167068	7.125535
CENPA	ENSG0000	0.555452	2.569515	1.945927	0.067925	0.131968	-4.85633	2.850396	2.935191	2.661582	3.308302	2.970101	2.885561	3.602068	3.592179	3.733845	3.123934	2.946841	3.218152	1.308151	1.462417	1.17005	3.358427	3.138674	3.093712
ACVR1	ENSG0000	0.364176	5.853611	2.395583	0.028032	0.06568	-4.69946	5.881091	5.879612	5.750758	6.583952	6.426835	6.598108	6.911252	6.652807	6.685063	5.462622	5.461948	5.454817	5.493931	5.470708	5.530714	5.323569	5.140881	5.154286
TANC1	ENSG0000	-0.46327	6.044279	-11.707	1.06E-09	1.18E-07	12.48708	6.102997	5.956007	6.086081	6.07247	6.142633	6.180453	5.590171	5.528791	5.537947	6.311303	6.396477	6.287699	6.479022	6.414288	6.403403	5.842927	5.93732	5.938889
MPV17	ENSG0000	0.162664	5.952223	2.136075	0.047094	0.098902	-5.21404	5.845187	5.765816	5.850403	6.361268	6.317247	6.274964	6.353309	6.18505	6.293548	5.783387	5.773236	5.721443	6.052224	6.029757	6.001789	5.62652	5.678704	5.663916
GTF3C2	ENSG0000	0.038015	6.992339	0.9054	0.377565	0.500015	-7.0766	6.802174	6.76941	6.727949	6.781518	6.798609	6.860709	6.923538	6.988491	6.923112	7.268224	7.171219	7.215552	7.131748	7.133151	7.15756	7.150031	7.140733	7.129858
EIF2B4	ENSG0000	-0.22424	5.649857	-4.82607	0.000147	0.001023	0.458276	5.665509	5.734195	5.719951	5.881294	5.751385	5.801988	5.396627	5.364416	5.375831	5.742445	5.669359	5.797063	5.887795	5.77289	5.869343	5.541021	5.643597	5.615405
NRBP1	ENSG0000	0.211165	7.905457	4.744091	0.000175	0.001175	0.05342	7.910563	7.915632	7.878622	8.09022	8.072718	8.02749	8.010794	7.974425	8.046193	7.598688	7.532467	7.614221	8.013227	8.012538	8.05292	7.91637	7.846666	7.897124
ITGB6	ENSG0000	1.202769	2.27628	9.219441	3.96E-08	1.83E-06	8.926301	0.667115	0.410755	0.598525	0.841981	0.625525	0.909432	0.548589	0.106501	0.515351	4.832603	5.162472	5.037335	6.389816	6.404423	6.366079	6.360246	6.225439	6.194729
PSMD14	ENSG0000	0.384943	7.350428	8.651132	9.96E-08	3.62E-06	7.74546	7.420661	7.448271	7.396475	7.550348	7.478433	7.57877	7.822704	8.009154	7.904715	6.962099	7.045131	7.03304	6.993707	6.979943	6.976941	7.284349	7.226271	7.365164
SNX17	ENSG0000	-0.28289	6.903566	-7.55322	6.63E-07	1.56E-05	5.832477	7.280617	7.334636	7.23824	7.160503	7.253404	7.169705	6.943283	7.037562	6.924509	6.846917	6.806379	6.80244	6.658924	6.618673	6.709575	6.572622	6.618969	6.514726
ASB3	ENSG0000	-0.60853	0.357946	-3.68984	0.001747	0.007267	-1.15812	0.814199	0.8079	0.756332	1.104644	0.92021	0.746642	0.782422	0.622068	0.735084	2.100009	1.851833	2.038602	1.818016	1.921808	1.550722	1.286141	1.581179	1.546329
PPM1G	ENSG0000	0.024311	7.859145	0.359256	0.723707	0.80411	-7.50808	7.288502	7.342896	7.321895	7.601764	7.610764	7.615358	7.381008	7.382586	7.365098	8.399179	8.293323	8.404563	8.154063	8.154996	8.190746	8.362185	8.355215	8.361181
PDE1A	ENSG0000	0.01479	-1.41312	0.035628	0.971982	0.98176	-5.79371	1.235614	1.118985	1.256574	1.840866	1.996426	1.956998	1.317361	1.430416	1.50602	0.190076	0.185134	0.16959	0.407676	0.26996	0.106501	0.106501	0.106501	0.214669
REEP6	ENSG0000	-0.4719	2.550889	-2.80677	0.011901	0.033408	-3.3489	2.609804	2.55562	2.758051	1.578054	2.03796	1.757653	1.70672	2.147141	2.643847	3.358771	3.5985	3.636224	3.703037	3.591587	3.65138	3.26375	3.267249	2.880366
PCSK4	ENSG0000	-0.57835	0.141511	-1.7753	0.093264	0.169132	-4.5422	1.826927	1.508929	1.744977	1.74141	1.666451	1.310092	1.459147	1.15884	1.0941	0.483018	0.799097	0.807652	1.218025	1.560439	1.002253	0.517985	0.816175	0.409347
IFIH1	ENSG0000	-0.01144	4.740437	-0.14564	0.885874	0.924156	-7.29118	3.783815	3.732673	3.707702	3.533117	3.362223	3.103073	3.705302	3.646467	3.271973	6.438508	6.371473	6.411127	5.425104	5.430226	5.501506	6.329765	6.469946	6.529201
RPS15	ENSG0000	-0.00183	8.335473	-0.03774	0.970321	0.980927	-7.58705	8.565399	8.597015	8.703958	8.582125	8.744476	8.460733	8.664083	8.49258	8.655304	8.029675	8.01657	8.099256	8.057211	8.11959	8.148347	8.102583	8.119335	7.965002
GCA	ENSG0000	-0.47741	3.916795	-5.19309	6.72E-05	0.000553	1.442246	3.87042	3.855322	3.83701	2.714828	2.787348	3.200652	2.908934	3.063581	3.064594	5.088159	5.077414	4.932106	4.687622	4.697103	4.656936	4.768358	4.648991	4.689552
MOGS	ENSG0000	0.390715	6.548192	5.456198	3.87E-05	0.000365	1.688704	5.759279	5.865087	5.799175	6.601785	6.744756	6.745516	6.230122	6.301706	6.278331	6.633985	6.605699	6.669617	7.044849	6.993898	7.000794	6.999242	6.95275	6.939043
TTC31	ENSG0000	-0.0866	5.007923	-1.18609	0.251461	0.365812	-6.5282	4.837972	4.852052	4.89628	4.510463	4.558804	4.473866	4.812472	4.741115	4.889843	5.367097	5.409689	5.353173	5.441792	5.508039	5.479705	5.175396	5.31709	5.362617
NDUFS7	ENSG0000	0.101969	5.043957	1.22157	0.238091	0.350071	-6.42797	5.506933	5.625131	5.56856	5.363409	5.543607	5.230878	5.830962	5.543171	5.745052	4.529864	4.51019	4.918395	4.531115	4.557684	4.504317	4.84468	4.784083	4.504815
PCGF1	ENSG0000	-0.32098	5.031157	-5.42657	4.12E-05	0.000382	1.823432	5.515021	5.525733	5.506038	4.915985	4.900234	4.819357	5.038289	5.007978	5.2343	5.300492	5.14044	5.256592	4.873768	4.596713	4.735974	5.085149	4.949728	4.98132
GRB14	ENSG0000	-0.13881	0.966634	-0.80836	0.429747	0.551081	-5.88041	1.642349	1.465573	1.888281	1.791994	1.556428	1.757653	1.389995	1.15884	1.314712	1.423238	1.752042	1.46518	1.689764	1.622273	1.667532	1.85727	1.442809	1.665483
CLIP4	ENSG0000	0.208843	6.097908	1.665116	0.113712	0.197416	-6.01291	6.296841	6.308632	6.202087	6.227533	6.145011	6.289823	6.734246	6.647826	6.608906	5.684183	5.639998	5.63746	6.205689	6.190196	6.274656	5.684156	5.653435	5.733755
SPTBN1	ENSG0000	-0.16866	8.956301	-1.28354	0.21606	0.324717	-6.79601	9.040998	8.987135	9.10704	9.642163	9.564281	9.682834	8.980108	8.80826	8.860455	8.935422	8.948839	8.825103	8.626335	8.499132	8.589495	8.737526	8.717167	8.716636
AUP1	ENSG0000	0.148187	7.745632	3.014316	0.007633	0.02344	-3.70486	7.406238	7.34514	7.403949	7.650555	7.682085	7.656066	7.742621	7.645069	7.707021	7.958466	7.860599	7.93846	7.957163	7.879201	7.939523	7.934296	7.913688	7.927245
RTN4	ENSG0000	0.107051	8.466313	2.361688	0.030031	0.069178	-5.03517	8.83245	8.852139	8.807619	9.150824	9.161644	9.11072	8.818036	8.849343	8.813346	7.804963	7.817664	7.923953	8.092514	8.089806	8.140789	8.108787	8.039808	8.059598
HTRA2	ENSG0000	0.113201	4.813986	1.015718	0.323619	0.443415	-6.62456	4.965424	5.007511	4.938064	4.694564	4.86605	4.908703	5.009762	4.955186	5.036597	4.525848	4.490971	4.572373	5.160571	5.211312	5.13383	4.780845	4.691628	4.651565
LOXL3	ENSG0000	0.045557	1.520849	0.342035	0.736403	0.814205	-6.46523	1.430644	1.631689	1.62731	1.326771	1.437317	1.123626	1.389995	1.301009	1.0941	2.790717	2.714733	2.911754	2.42639	2.21055	2.036756	3.022222	2.972579	2.975687
DOK1	ENSG0000	0.023599	3.340276	0.19852	0.844929	0.895115	-6.77773	3.128595	3.483793	3.347346	3.103249	3.844198	3.498018	3.457463	3.083395	3.162566	3.216534	3.584062	3.439082	3.960951	4.045377	3.843644	3.560228	3.529023	3.410407
GALNT3	ENSG0000	-0.00456	2.481364	-0.06406	0.949647	0.967518	-7.17897	0.742531	0.582935	0.598525	0.635873	0.828511	0.984419	0.269385	0.622068	0.515351	5.969338	5.873106	5.96652	5.909553	6.060794	6.027972	5.968311	5.987961	5.896886
POLE4	ENSG0000	-0.02853	5.130302	-0.39243	0.699488	0.785525	-7.17939	5.0569	5.134056	5.002498	4.857809	4.939117	4.735009	4.80585	4.814082	4.770621	5.358091	5.407641	5.594999	5.322513	5.408455	5.200779	5.705599	5.502682	5.499895
CCDC88A	ENSG0000	0.338028	4.262404	2.133668	0.047316	0.099281	-4.75423	5.269428	5.300601	5.353819	5.890028	5.830334	5.970546	5.719113	5.81612	5.782514	3.294134	3.295928	3.187996	2.683738	2.985883	2.743612	3.245848	3.204393	3.149291
EVA1A	ENSG0000	0.117362	1.101169	1.043446	0.31096	0.43065	-6.60165	0.318509	0.215206	0.106501	0.106501	0.106501	0.461789	0.269385	0.106501	0.106501	5.710958	5.622444	5.866538	5.150455	5.009177	5.146464	5.882568	5.873097	5.84102
MRPL19	ENSG0000	-0.07223	6.309564	-2.08081	0.052452	0.107673	-5.38156	6.681605	6.670255	6.681965	6.272761	6.175571	6.256173	6.655407	6.620963	6.610642	6.277071	6.253266	6.334048	5.949778	5.907809	5.973704	6.217134	6.194777	6.18146
LANCL1	ENSG0000	-0.09808	7.028177	-1.91373	0.072176	0.138488	-5.71375	7.618174	7.594431	7.52336	7.689435	7.578582	7.747035	7.613016	7.678021	7.569124	6.594269	6.545497	6.503555	6.487887	6.544756	6.546597	6.282253	6.269604	6.345106
WDR75	ENSG0000	-0.12672	6.873752	-1.9345	0.069408	0.134244	-5.70167	7.114013	7.058253	7.061431	6.529092	6.493661	6.60555	6.838498	6.741215	6.844112	7.011757	6.937803	6.991631	6.914023	6.942559	6.932401	6.942022	7.031811	6.967345
EFEMP1	ENSG0000	0.482946	9.120327	3.767105	0.001474	0.006362	-2.12551	9.923546	9.99075	9.958969	10.61135	10.40882	10.51921	10.79887	10.74611	10.79871	7.589098	7.541368	7.598545	8.311939	8.263576	8.298262	7.640489	7.59735	7.640148
FANCL	ENSG0000	-0.31557	4.695825	-3.77509	0.001448	0.006271	-1.71541	4.901049	4.984658	4.962565	4.281793	4.392653	4.434292	4.225415	4.332946	4.41276	5.198228	5.212608	5.230939	4.49639	4.671739	4.523816	5.007591	5.080907	5.220652
FN1	ENSG0000	-0.28978	11.20006	-4.29175	0.000466	0.002548	-1.05896	13.2339	13.25652	13.34329	13.65031	13.62692	13.75448	13.1958	13.15355	13.21771	9.179258	9.196567	9.100474	9.317766	9.287528	9.352237	8.574296	8.574559	8.613891
STAT1	ENSG0000	0.02935	8.218042	0.383909	0.705676	0.790542	-7.52329	8.17754	8.108984	8.128697	7.960781	7.929034	7.962321	7.997053	8.043699	8.00122	8.509036	8.527323	8.557418	7.959193	8.074334	8.004814	8.66086	8.672389	8.741713
GLS	ENSG0000	-0.38416	6.786645	-6.20306	8.51E-06	0.000114	3.208363	7.168867	7.156098	7.150322	6.626386	6.589306	6.663747	6.918943	6.925394	6.910477	7.19993	7.202864	7.193428	6.253734	6.135585	6.256122	6.705452	6.712283	6.640054
PAPOLG	ENSG0000	0.215479	4.470635	2.880733	0.010166	0.029467	-3.54953	4.158957	4.14364	3.979882	4.532944	4.360275	4.537503	4.339849	4.562048	4.505294	4.728129	4.712893	4.601264	4.816056	4.80769	4.543056	4.743057	4.751478	4.849107
PECR	ENSG0000	0.06983	3.597852	0.826757	0.419519	0.541086	-6.43004	4.102823	4.080378	3.995797	4.3081	4.384626	4.293939	4.283766	4.238905	4.296723	3.058725	3.106888	3.269454	3.488503	3.520297	3.494191	3.094024	3.104657	2.928814
UNC50	ENSG0000	-0.19248	5.792771	-3.62675	0.002007	0.008114	-2.1555	6.315484	6.290111	6.235982	6.274985	6.11379	6.297196	6.187456	6.194191	6.169423	5.546278	5.444072	5.519816	5.397996	5.548415	5.566882	5.191852	5.201146	5.277879
IGFBP2	ENSG0000	0.27213	4.779551	1.224975	0.236838	0.348732	-6.40955	4.363907	4.366251	4.281987	5.156973	5.484749	5.30954	4.857993	4.77806	4.73921	5.066207	4.925369	5.208582	4.334248	4.385617	4.265755	5.262556	5.152027	5.091828
ELMOD3	ENSG0000	-0.08376	3.9796	-1.15879	0.262129	0.377962	-6.29058	4.339825	4.330447	4.255791	4.181007	3.923901	3.964146	4.079318	4.009594	4.17992	4.043261	3.964495	4.008229	3.970183	3.846002	4.078019	4.01601	3.923096	4.177341
USP34	ENSG0000	-0.00368	7.36952	-0.05894	0.953667	0.970081	-7.52013	7.328825	7.500893	7.485819	7.399469	7.33897	7.644552	7.648608	7.543228	7.528359	7.37197	7.449281	7.196745	7.221945	7.218204	7.316386	7.190954	7.169127	7.261002
EFHD1	ENSG0000	0.136479	2.06293	1.266415	0.221983	0.331798	-5.87435	1.519087	0.8079	1.146821	1.688986	2.03796	1.623325	1.240874	1.082132	1.171446	3.303547	3.390227	3.269454	4.279599	4.215509	4.199397	3.617041	3.277464	3.432977
CCT4	ENSG0000	-0.22021	8.927911	-4.57631	0.000251	0.001553	-0.38374	9.484881	9.478007	9.403221	8.819707	8.76549	8.797054	9.073346	9.123825	9.065584	8.890843	8.891734	8.905774	8.536355	8.51857	8.548195	8.849192	8.788095	8.818722
GGCX	ENSG0000	0.207074	5.679259	2.424737	0.026414	0.062692	-4.67932	5.100552	5.063109	4.946277	5.601826	5.637789	5.578188	5.422829	5.609584	5.474506	6.073423	6.018435	6.065214	6.038027	5.901588	5.983596	6.067194	6.091458	6.090332
EHBP1	ENSG0000	-0.14438	5.672673	-1.07367	0.297573	0.416502	-6.76365	5.585841	5.675946	5.683566	5.55133	5.36339	5.617001	4.883375	5.063901	4.994649	6.096621	6.109458	6.124133	5.650003	5.710205	5.678967	6.275652	6.291189	6.296701
OTX1	ENSG0000	-0.28067	1.3619	-2.51516	0.021935	0.054089	-3.60876	1.286899	1.631689	1.406977	1.457877	1.612488	1.714252	1.240874	1.301009	1.564539	2.30136	2.372288	2.355887	2.466086	2.307842	2.528806	1.970607	2.146913	2.091498
TXNDC9	ENSG0000	-0.17924	5.874422	-3.11911	0.006086	0.019737	-3.29333	6.203172	6.253935	6.155027	5.714295	5.687572	5.746517	5.83747	5.943547	5.94552	5.988432	5.88346	5.91682	5.756555	5.783078	5.811809	5.832469	5.766537	5.97009
COQ10B	ENSG0000	0.006529	5.555955	0.104981	0.917586	0.945603	-7.2864	5.646	5.625131	5.555197	5.836811	5.763816	5.845381	5.743574	5.859858	5.782514	5.493793	5.456014	5.549768	5.343978	5.546423	5.471694	5.262556	5.405901	5.388831
SF3B1	ENSG0000	-0.06625	8.091388	-0.91164	0.374364	0.496791	-7.151	7.909029	7.853395	7.781548	8.35441	8.245538	8.303968	7.711959	7.900959	7.783692	8.272195	8.26899	8.208441	8.210904	8.196558	8.248731	8.150278	8.182527	8.161101
ST3GAL5	ENSG0000	-0.1406	4.926925	-0.61022	0.549571	0.660385	-7.01508	4.654895	4.80064	4.781616	4.416862	3.967543	4.365821	4.944941	5.013152	5.03142	5.038288	5.130539	5.147212	6.031427	5.890637	6.026606	4.817667	4.773297	4.775955
CHST10	ENSG0000	0.767896	2.200123	3.469954	0.002831	0.010754	-1.62026	4.785446	4.281283	4.48731	5.424805	5.133653	5.352637	5.32896	5.183472	5.304656	0.54782	0.640699	0.807652	0.562188	1.077171	0.812339	1.017342	0.871168	0.805046
PDCL3	ENSG0000	-0.39117	5.470121	-7.74334	4.72E-07	1.20E-05	6.327235	6.122537	6.113526	5.891391	5.479843	5.586227	5.550692	5.620676	5.643348	5.574002	5.481405	5.489323	5.507659	5.148423	5.241179	5.161481	5.203493	5.115482	5.144062
MOB4	ENSG0000	2.22711	4.825265	9.766534	1.69E-08	9.63E-07	9.837139	4.179456	4.223893	4.167214	7.104065	6.920203	6.956945	6.849809	6.793275	6.797601	3.047564	3.065914	3.247691	4.179675	4.045377	4.189664	4.194605	4.083055	4.216898
HSPE1	ENSG0000	0.401003	6.053658	2.637491	0.017008	0.044237	-4.26376	6.084999	5.977387	5.918779	7.07244	6.934019	6.925177	6.700729	6.549752	6.675138	5.72153	5.662504	5.55125	5.416688	5.462279	5.487671	5.779011	5.773771	5.703906
KDM3A	ENSG0000	0.320023	5.960946	3.841492	0.001252	0.005606	-1.76025	5.086148	5.154678	5.297149	5.863665	5.847955	5.988874	5.510962	5.571508	5.482116	6.173072	6.457152	6.201645	6.444661	6.493976	6.47327	6.54818	6.561611	6.595729
PLCD4	ENSG0000	0.094368	1.214532	0.270335	0.790069	0.85379	-6.02025	2.461454	2.76681	2.492412	5.514147	5.575689	5.751893	2.724622	2.848856	2.697131	0.669294	0.462741	0.54756	1.018891	1.2438	0.910419	0.326864	0.572487	0.315289
CHMP3	ENSG0000	0.88986	6.087999	10.554	5.25E-09	3.93E-07	10.86492	5.042051	5.144404	5.079193	6.643705	6.640761	6.598108	6.225168	6.121786	6.240692	5.75279	5.78275	5.586355	6.620596	6.709608	6.606351	6.426311	6.316177	6.473133
ZNF142	ENSG0000	0.010759	5.651927	0.202015	0.842238	0.89334	-7.33739	5.406168	5.278849	5.533555	5.087795	5.248674	5.122998	5.435754	5.408281	5.588176	6.189666	6.212782	6.071422	5.84327	5.672341	5.803856	6.163312	6.030859	6.183125
IL1R1	ENSG0000	1.064558	4.097388	8.060509	2.71E-07	7.60E-06	7.128008	4.867751	4.738249	4.777019	5.990913	6.059364	6.075031	5.952856	6.00976	5.900795	2.427256	2.174476	2.16783	3.60569	3.503965	3.517722	2.597261	2.895091	2.975687
IL18R1	ENSG0000	0.633389	0.44678	1.665921	0.113549	0.197182	-4.68189	3.551922	3.298545	3.270929	3.083078	2.904251	2.825643	4.274204	3.988732	4.011347	0.415169	0.330605	0.397516	0.352262	0.106501	0.533283	0.393424	0.2791	0.214669
SLC9A2	ENSG0000	-0.37727	2.13761	-1.35267	0.193403	0.297253	-5.3117	5.364998	5.673567	5.605332	4.654117	4.662026	4.78306	5.188389	5.117737	4.994649	0.483018	0.462741	0.683459	0.982856	0.837535	0.760679	0.686723	0.871168	0.659518

FHL2	ENSG0000	-0.26243	6.701701	-2.71142	0.014562	0.039148	-4.25244	6.591418	6.412172	6.495858	6.142369	6.270099	6.233295	5.937792	5.859858	5.866318	7.393066	7.373651	7.465025	6.929487	6.921961	6.877376	7.394073	7.347581	7.395647
MLPH	ENSG0000	-0.31805	7.923051	-1.63397	0.120147	0.20615	-6.23111	8.985811	8.914681	9.00679	8.972471	9.021797	9.011684	8.421982	8.397843	8.458636	7.472409	7.332138	7.475986	6.452917	6.344918	6.362835	7.342888	7.339682	7.438106
CNPPD1	ENSG0000	0.066158	5.390995	1.249983	0.227784	0.338339	-6.52706	4.679091	4.691972	4.808898	4.898777	4.758354	4.908703	4.956946	4.855002	4.801363	5.871466	5.942657	5.919117	6.299316	6.252624	6.254955	5.906981	5.991068	5.930982
UXS1	ENSG0000	-0.24179	6.159159	-6.62456	3.74E-06	5.96E-05	4.122517	6.403797	6.368704	6.401937	6.159327	6.248147	6.16038	6.017329	6.063123	6.131214	6.233415	6.215126	6.281465	6.122223	6.103425	6.106375	6.045367	6.092904	6.084997
ABCB6	ENSG0000	0.031236	-0.12499	0.106533	0.916373	0.944558	-5.92472	1.430644	1.277811	1.667608	1.634586	1.498102	1.919272	1.525136	1.491012	1.777424	0.54782	0.695454	0.683459	0.701742	0.550009	0.335616	0.326864	0.759002	0.659518
STK16	ENSG0000	-0.21703	5.158229	-4.28852	0.00047	0.002563	-0.62391	5.307177	5.178369	5.211151	5.49519	5.34696	5.334836	4.980658	5.053893	5.057123	5.172773	5.167323	5.133432	5.538057	5.361637	5.422676	4.868275	4.981317	4.985143
HDLBP	ENSG0000	0.058413	9.668057	2.21032	0.040682	0.088252	-5.39607	9.957203	9.976945	9.944307	10.16888	10.17185	10.1359	10.03168	9.988297	10.03258	9.274326	9.211027	9.233759	9.351276	9.332876	9.355506	9.316794	9.282632	9.293446
PPP1R7	ENSG0000	0.153482	6.179958	3.953428	0.000979	0.0046	-1.53946	5.665509	5.747832	5.724733	5.974582	5.941203	6.062107	5.949855	5.927193	5.900795	6.376307	6.337447	6.495882	6.698346	6.675378	6.598096	6.540857	6.506228	6.49475
PASK	ENSG0000	-0.62278	3.560719	-6.83815	2.48E-06	4.44E-05	4.850953	3.765853	3.976101	3.773804	2.933382	3.112982	2.924168	3.027514	2.825515	2.981126	4.721121	4.616873	4.45065	3.507651	3.666873	3.754018	4.122857	4.140146	4.163911
STK25	ENSG0000	0.134754	6.585698	1.892317	0.075133	0.143021	-5.73342	6.600314	6.550871	6.587979	6.479798	6.52138	6.486449	6.573959	6.666008	6.688357	6.39734	6.436204	6.42493	6.903218	6.829961	6.831167	6.640993	6.593644	6.609418
ID2	ENSG0000	-0.07175	4.499071	-0.21245	0.834216	0.886564	-6.88163	4.321496	4.383825	4.418131	6.512219	6.457769	6.513603	5.35187	5.206241	5.238799	4.161861	4.112675	4.194187	4.618846	4.693507	4.580783	2.479639	2.770449	2.610232
TAF1B	ENSG0000	0.151452	4.110189	2.133862	0.047298	0.099273	-4.89359	4.117062	4.058659	4.07284	4.112999	4.267295	4.264152	4.274204	4.389749	4.288067	4.156676	4.305413	4.235316	3.960951	4.10073	3.951255	4.203908	4.313961	4.428245
HPCAL1	ENSG0000	-0.01966	7.40666	-0.14186	0.888815	0.925589	-7.50794	8.171157	8.21301	8.254742	7.786966	7.965142	7.74029	7.998506	7.845473	7.956167	7.058374	7.005728	7.150092	6.2251	6.0857	6.064381	7.445467	7.311999	7.221842
ODC1	ENSG0000	-0.02649	8.045326	-0.35984	0.723276	0.803935	-7.49317	8.954682	8.948536	8.878273	8.25874	8.249963	8.254644	8.939091	8.953276	8.877867	7.550582	7.429733	7.482989	7.257256	7.305605	7.274409	7.484158	7.377567	7.451986
BIRC6	ENSG0000	-0.09903	7.420635	-1.27151	0.220208	0.329733	-6.71501	7.149082	7.169671	7.206109	7.468157	7.265475	7.659646	7.319577	7.223157	7.238271	7.682245	7.844033	7.430829	7.650142	7.560798	7.677971	7.375155	7.368636	7.440197
NOL10	ENSG0000	-0.16594	6.503934	-3.44584	0.002985	0.011198	-2.67954	6.78109	6.73102	6.760919	6.270533	6.200933	6.229446	6.599072	6.683964	6.636447	6.656198	6.669486	6.664835	6.292891	6.37666	6.42845	6.482811	6.447504	6.455328
PLEKHB2	ENSG0000	-0.32036	8.165386	-7.2979	1.05E-06	2.23E-05	5.259112	8.732811	8.744025	8.698498	7.975218	7.959749	7.910384	8.400716	8.461214	8.389503	8.298325	8.217304	8.277193	7.718845	7.742318	7.738892	7.916017	7.92063	7.97128
GORASP2	ENSG0000	0.082643	7.575766	2.307156	0.033527	0.07578	-5.0939	7.552895	7.541912	7.502625	7.634185	7.582973	7.586313	7.590075	7.441347	7.576252	7.508468	7.518299	7.572519	7.616729	7.630161	7.591906	7.686839	7.677156	7.693701
STRN	ENSG0000	0.611878	5.365699	7.776509	4.45E-07	1.14E-05	6.407621	4.811948	4.872944	4.763138	5.860706	5.815483	5.852905	5.650549	5.740142	5.623012	5.131086	5.113047	4.934378	5.577856	5.591562	5.589266	5.457931	5.389513	5.472921
CEBPZ	ENSG0000	0.038783	7.313911	0.982235	0.339386	0.460413	-7.02843	7.216761	7.294161	7.195812	7.187915	7.198373	7.25547	7.336905	7.441347	7.309508	7.382556	7.386708	7.393326	7.371408	7.432918	7.363684	7.314184	7.353025	7.384834
PRKD3	ENSG0000	0.401097	6.595636	2.603926	0.018243	0.046725	-4.26568	7.643603	7.710403	7.720604	9.157772	9.080118	9.132779	8.30945	8.356202	8.258266	4.728129	4.790397	4.847819	5.09878	5.226323	5.009321	4.61293	4.729324	4.827974
DCAF17	ENSG0000	-0.43604	5.2231	-6.69275	3.28E-06	5.40E-05	4.367358	5.485141	5.485601	5.525355	4.955356	4.84865	5.068031	5.032629	5.310795	5.112107	5.56205	5.608245	5.536367	5.306202	5.282459	5.330457	5.046891	5.089629	5.147478
QPCT	ENSG0000	1.133119	3.329217	2.874522	0.010302	0.029775	-2.68553	9.465536	9.508868	9.458999	11.34059	11.2546	11.25753	10.61046	10.63165	10.63032	0.190076	0.259702	0.106501	0.106501	0.190544	0.186984	0.257084	0.19538	0.106501
RAB3GAP1	ENSG0000	0.705114	6.523326	14.08877	5.61E-11	1.31E-08	15.44378	6.321645	6.285444	6.20893	6.728936	6.774239	6.687786	6.959782	6.996351	7.017779	5.92276	6.043715	5.92141	6.628635	6.613925	6.685536	6.62723	6.5875	6.707562
SLC25A12	ENSG0000	0.653736	4.868071	10.2883	7.73E-09	5.37E-07	10.5755	4.522086	4.418344	4.345467	5.384166	5.446705	5.401341	5.32896	5.224202	5.278673	4.332495	4.439772	4.405499	5.182581	5.160118	5.168932	4.871197	4.81246	4.844905
RMDN2	ENSG0000	0.412545	2.763465	2.780916	0.012573	0.034974	-3.27185	2.461454	2.982098	2.579475	3.487804	3.47236	3.786958	3.457463	3.232814	3.406029	2.427256	2.646894	2.7037	2.872818	3.109775	3.021143	2.568742	2.841019	2.528753
DLX2	ENSG0000	-1.29694	2.29199	-10.505	5.64E-09	4.14E-07	10.55825	3.983545	3.846899	4.065319	2.97776	3.31232	3.086148	2.724622	2.451551	2.82232	2.338465	2.405511	2.396013	1.935792	1.793303	2.07955	1.65509	1.613793	1.546329
DARS1	ENSG0000	-0.06723	7.184832	-0.77035	0.451378	0.57177	-7.2162	7.372509	7.329355	7.317153	6.665914	6.523209	6.541808	7.112476	7.068959	7.055249	7.375321	7.416043	7.348446	7.288498	7.322002	7.34517	7.457184	7.505285	7.470515
SRSF7	ENSG0000	0.167485	7.862113	4.150318	0.000635	0.003245	-1.256	8.11772	8.088141	8.012253	7.597327	7.570644	7.608707	8.184205	8.347522	8.268754	7.861821	7.803713	7.8045	7.517889	7.471751	7.484046	7.911056	7.988267	7.99707
SDC1	ENSG0000	0.398472	7.285437	4.215962	0.00055	0.002908	-1.09296	5.443372	5.692494	5.49208	6.192657	6.210046	6.212	5.827697	5.874148	5.794788	8.52748	8.595039	8.627734	8.611661	8.64008	8.586253	9.031841	9.034221	9.011941
SLC1A4	ENSG0000	0.217164	5.265507	3.207352	0.005025	0.016942	-2.89832	6.460736	6.365759	6.437331	6.263828	6.30454	6.393204	6.751579	6.739655	6.771444	4.346223	4.223947	4.264509	3.870167	3.852467	3.880413	4.180538	4.283876	4.341429
SOS1	ENSG0000	0.09062	5.999816	1.509535	0.149028	0.24339	-6.23911	5.891483	5.916304	5.93744	6.120268	6.084358	6.198283	6.056907	6.227963	6.238447	5.858752	5.999521	5.878389	6.101368	6.104779	6.218323	5.81588	5.87814	5.888745
KYNU	ENSG0000	-0.33723	6.232355	-1.686	0.109563	0.191969	-5.75993	8.429376	8.422365	8.379022	9.132845	9.11904	9.146109	8.135523	8.232442	8.139977	4.377757	4.36574	4.418544	3.714069	3.752319	3.824901	3.97856	3.690624	3.856822
WIPF1	ENSG0000	1.201475	1.029993	1.811371	0.087304	0.160634	-4.57901	2.392887	2.655462	2.492412	4.464421	4.310303	4.337497	3.405851	3.685883	3.759121	0.934589	0.640699	0.76743	0.171976	0.190544	0.186984	0.930351	1.206659	1.416439
ORC2	ENSG0000	-0.14763	5.493568	-3.00373	0.007809	0.023873	-3.47081	5.808367	5.792378	5.767078	5.636843	5.371535	5.435149	5.620676	5.550308	5.504708	5.491736	5.525662	5.504604	5.338642	5.372923	5.441254	5.424501	5.401238	5.489166
COX7A2L	ENSG0000	-0.20993	6.824256	-4.26124	0.000498	0.002691	-0.91795	7.238905	7.301115	7.175868	6.928659	6.822574	6.838142	6.962762	7.0702	6.984678	6.817652	6.668631	6.732995	6.640249	6.597663	6.624528	6.549092	6.511647	6.610656
PNO1	ENSG0000	0.08076	6.537385	1.95807	0.066381	0.129728	-5.62299	6.655014	6.587988	6.719588	6.498957	6.430738	6.386308	6.706074	6.612464	6.788423	6.493004	6.436204	6.562774	6.436358	6.398913	6.429485	6.640993	6.568907	6.609418
ORC4	ENSG0000	0.029077	5.506786	0.496999	0.625384	0.725176	-7.16944	5.663084	5.685425	5.592306	5.532858	5.371535	5.428451	5.719113	5.868449	5.653661	5.419984	5.498975	5.495399	5.474599	5.472807	5.497567	5.404468	5.515684	5.414576
RND3	ENSG0000	-0.79973	7.284984	-3.70415	0.001693	0.007084	-2.20183	8.235387	8.048746	8.026365	5.96359	6.061883	6.186421	7.086758	7.13453	7.144275	7.808273	7.784111	7.770881	7.496084	7.520771	7.546868	7.098592	7.208364	7.198979
ATF2	ENSG0000	0.358818	5.623713	4.238954	0.000523	0.002792	-0.77437	5.601118	5.683061	5.56323	6.414705	6.430738	6.481604	6.197609	6.35158	6.162335	5.015558	5.092794	4.970258	5.580873	5.503938	5.503472	4.996928	5.225092	5.03025
THADA	ENSG0000	-0.18251	5.473443	-3.5434	0.00241	0.009415	-2.30048	5.549554	5.509814	5.653783	5.818626	5.818465	5.916519	5.360933	5.344028	5.296047	5.46891	5.4757	5.356567	5.594369	5.493636	5.583703	5.315009	5.307153	5.262209
AAK1	ENSG0000	-0.04056	5.388449	-0.64327	0.528401	0.641604	-7.0761	4.888652	4.804995	4.844488	5.277258	5.274966	5.363212	5.015513	5.023446	5.010523	5.829728	5.91264	5.638854	5.97522	5.921708	6.001789	5.697389	5.576928	5.593031
TRAK2	ENSG0000	0.481968	6.134267	6.139693	9.65E-06	0.000125	3.21203	6.284277	6.320848	6.254291	7.171291	7.087775	7.214199	7.036735	6.949886	6.9508	5.190639	5.186564	5.095351	6.003597	5.915547	6.080272	5.351042	5.360979	5.397464
C2orf42	ENSG0000	0.009845	3.596563	0.095262	0.92519	0.950619	-6.85368	3.878801	3.759847	3.93931	3.714523	3.47236	3.926609	3.891945	3.578282	3.586306	3.651939	3.576789	3.373604	3.870167	3.806595	3.87435	3.749992	3.620134	3.611778
TIA1	ENSG0000	0.378564	5.284577	3.036593	0.007275	0.022521	-3.36674	4.548594	4.210824	4.43574	5.733834	5.529116	5.680396	5.043928	4.976535	5.010523	5.391578	5.566627	5.406528	5.814086	5.766058	5.716735	5.595049	5.68063	5.740557
PCYOX1	ENSG0000	1.379689	6.664892	6.882975	2.28E-06	4.15E-05	4.624657	5.578142	5.602793	5.56323	8.087692	7.972524	8.103049	7.548039	7.527946	7.53569	5.776643	5.814017	5.698897	6.656067	6.652407	6.660208	6.539021	6.43044	6.535733
EPAS1	ENSG0000	-0.41563	8.221778	-6.4729	5.01E-06	7.46E-05	3.66501	9.586079	9.561778	9.617993	8.328941	8.40035	8.353431	9.006337	8.902942	8.956455	7.872138	7.843275	7.835531	6.89597	6.923497	6.974817	7.668477	7.654312	7.716879
ARID3A	ENSG0000	-1.46185	2.726238	-5.83852	1.77E-05	0.000198	3.092616	5.20423	5.25994	5.30675	3.376187	3.531716	3.548316	3.440463	3.550079	3.218306	2.204194	2.531245	2.558044	1.088368	1.428204	1.456457	2.075685	2.274787	2.397196
SUMO1	ENSG0000	-0.13573	7.306606	-3.15638	0.005614	0.018474	-3.37324	7.337972	7.362972	7.30443	7.049233	7.072867	7.090237	7.056395	7.209698	7.065416	7.479174	7.454747	7.516743	7.443196	7.502905	7.465511	7.413749	7.424284	7.4395
ATP6V1B1	ENSG0000	0.50845	-1.16947	0.815134	0.425964	0.547857	-5.49083	0.947665	1.327092	1.30847	1.978268	2.366112	2.429135	1.762502	1.491012	1.445026	0.106501	0.106501	0.106501	0.869014	0.888753	1.046067	0.106501	0.106501	0.106501
NFE2L2	ENSG0000	-0.23261	7.394647	-1.84913	0.081427	0.1525	-5.88757	8.27918	8.197358	8.19482	6.759444	6.835881	6.813931	7.987576	8.030363	7.997906	7.372529	7.378888	7.38338	6.861656	6.876695	6.890204	7.163801	7.158804	7.091357
MSH6	ENSG0000	-0.34216	7.073648	-3.11432	0.00615	0.019901	-3.44469	7.621923	7.631071	7.593021	6.959414	6.96799	7.019569	7.002396	7.018391	7.019088	7.360742	7.399648	7.305202	6.238533	6.33341	6.312148	7.245463	7.21635	7.28911
PLEKHA3	ENSG0000	0.010099	5.019324	0.123976	0.902749	0.935432	-7.18243	5.000411	4.925889	5.052811	5.416768	5.14795	5.219282	5.213624	5.435516	5.216162	5.009819	5.014203	4.956908	5.045184	5.071461	5.141424	4.768358	4.755137	4.780362
SPR	ENSG0000	0.256872	5.852598	5.348805	4.85E-05	0.000431	1.565553	5.864307	5.820613	5.731878	6.346536	6.354709	6.27683	6.116986	6.119389	6.02321	5.462622	5.442072	5.580563	5.919119	5.741888	5.852476	5.741175	5.729813	5.692259
EPHA4	ENSG0000	0.920988	5.740124	6.055743	1.14E-05	0.000141	3.144526	6.841296	6.703292	6.794289	7.11404	6.946341	7.058051	7.989768	8.047487	8.093536	4.355303	4.340194	4.444286	3.937609	3.999514	3.87435	4.588279	4.432969	4.582581
PARD3B	ENSG0000	-0.59635	3.22414	-4.84501	0.000141	0.000993	0.918905	3.026682	3.085957	3.190238	3.342644	3.170134	3.292047	2.186178	1.945386	1.826075	3.93235	3.981119	3.896118	4.515435	4.588991	4.480563	3.724364	3.72088	3.364179
FARSB	ENSG0000	-0.31683	6.985105	-9.48638	2.60E-08	1.35E-06	9.143615	7.585263	7.623694	7.570615	6.784644	6.774239	6.84696	7.3219	7.24091	7.293378	7.128903	7.053015	7.121458	6.405214	6.449894	6.403403	6.770288	6.754944	6.822074
ALMS1	ENSG0000	-0.36861	4.91051	-3.95563	0.000974	0.004583	-1.31448	5.411954	5.363957	5.38134	4.904536	4.966263	4.98829	4.883375	4.734864	4.549426	4.986631	4.997958	4.791271	4.98725	5.029288	4.894173	4.799373	4.881053	4.726565
BCL9	ENSG0000	-0.18623	5.881763	-2.0617	0.05443	0.110861	-5.34943	6.106569	6.13617	6.113692	5.759481	5.93572	5.757249	5.894757	5.755661	5.770134	5.915104	5.796904	5.722758	6.151938	6.095271	6.203889	5.761793	5.711094	5.738293
DHCR24	ENSG0000	-0.16996	7.981382	-0.47524	0.6405	0.738523	-7.46021	7.54699	7.545821	7.549205	8.591527	8.662203	8.666514	7.402016	7.335857	7.447093	8.735427	8.694997	8.689242	7.155211	7.119145	7.132376	8.539816	8.471834	8.496582
DNAJC16	ENSG0000	-0.00729	5.024727	-0.11239	0.911791	0.941653	-7.20231	4.880328	4.949684	4.913139	5.1029	5.075006	5.028711	5.136557	5.150979	5.155586	5.1779	5.092794	5.156974	5.210117	5.185942	5.153992	5.015537	4.847164	5.026544
MARK1	ENSG0000	0.428832	-1.04101	1.359128	0.191386	0.294706	-5.04108	2.461454	2.37994	2.492412	4.272916	4.061165	4.186878	2.957542	2.825515	2.670735	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MORN1	ENSG0000	-0.42732	2.993191	-4.65248	0.000213	0.001362	0.556129	2.965042	3.182839	3.322321	2.933382	2.85862	3.168853	2.752438	3.102941	2.748518	3.411958	3.709078	3.464463	3.395624	3.357127	3.462206	3.113899	3.127424	3.021085
CACYBP	ENSG0000	0.174743	7.828855	4.190353	0.000582	0.003033	-1.15799	7.830732	7.851817	7.755494	8.072425	7.919343	7.944237	8.028677	8.061915	8.02551	7.728404	7.682737	7.721405	7.646907	7.636262	7.625236	7.82588	7.830281	7.850728
SCP2	ENSG0000	-0.06334	6.042237	-0.75329	0.461304	0.581807	-7.07567	5.952311	6.011704	5.925027	6.279424	5.905185	6.152273	6.005819	5.9217	5.92891	5.958951	5.958134	5.936226	6.543063	6.604381	6.514791	5.85035	5.849327	5.872323
PAPPA2	ENSG0000	0.293016	3.885133	1.648434	0.117121	0.202224	-5.49774	5.246942	5.366905	5.350729	4.576883	4.293254	4.518705	5.743574	5.636658	5.616111	2.966925	2.85362	2.649405	3.083152	2.714997	2.895043	3.190769	2.799093	2.830235
RALGPS2	ENSG0000	-0.39001	5.322128	-5.69831	2.35E-05	0.000244	2.306011	4.456406	4.312206	4.188143	4.562385	4.478119	4.740428	4.302704	4.273815	4.252911	6.506313	6.61194	6.511187	6.35588	6.44027	6.515765	6.036282	6.023291	6.052569
CEP104	ENSG0000	-0.26465	5.584644	-4.19697	0.000574	0.003004	-0.92312	5.950324	5.846194	5.959925	5.222985	5.375591	5.272617	5.722633	5.495903	5.497217	5.725037	5.853677	5.779474	5.530276	5.508039	5.551764	5.667442	5.597458	5.526375
FAM20B	ENSG0000	0.104133	7.067178	1.896738	0.074514	0.142152	-5.75111	7.588461	7.625542	7.558611	7.691934	7.668927	7.67175	7.77773	7.851985	7.799006	6.595228	6.520125	6.585363	6.315704	6.315975	6.242063	6.593122	6.524569	6.502774
TCEANC2	ENSG0000	-0.17151	3.702873	-2.59367	0.018637	0.047581	-4.04036	2.9807	3.012542	3.119366	2.887595	3.073582	3.200652	3.094248	3.083395	2.892531	4.7455	4.630987	4.606974	4.742532	4.774033	4.72927	4.469892	4.298997	4.607598
TMEM59	ENSG0000	0.051258	7.757216	0.73814	0.470225	0.589955	-7.27479	6.938712	7.049103	6.843491	7.901542	7.735919	7.881247	7.174192	7.208571	7.09177	8.101924	8.10455	8.110353	8.466922	8.540005	8.529024	7.998515	8.039808	8.047307
LRRC42	ENSG0000	-0.10093	4.944571	-1.25334	0.226588	0.336914	-6.44405	4.921476	4.791891	4.913139	4.532944	4.485643	4.467345	4.339849	4.428995	4.482711	5.42646	5.254237	5.473689	5.352829	5.408455	5.188613	5.539185	5.447207	5.442654
WRAP73	ENSG0000	-0.06884	4.502899	-0.8243	0.420878	0.542397	-6.81566	4.543331	4.569336	4.671981	3.487804	4.051057	3.722706	4.330652	4.389749	4.482711	4.983707	4.989766	4.970258	4.679202	4.743056	4.698713	5.02344	5.012228	4.918728
MRPL37	ENSG0000	-0.06297	6.844399	-1.42356	0.172181	0.272153	-6.46113	7.250254	7.330866	7.24158	6.981377	6.95991	7.018455	7.225954	7.328612	7.314845	6.736579	6.639255	6.804926	6.299316	6.291205	6.259615	6.677344	6.508398	6.571775
ICMT	ENSG0000	0.500804	6.716732	4.333334	0.000426	0.002369	-0.76125	6.115462	6.148217	6.122779	6.829226	6.813633	6.80232	6.872167	6.964651	6.876233	6.822571	6.853789	6.869883	6.575183	6.609161	6.551355	7.166778	7.100305	7.068114
RPL22	ENSG0000	-0.12881	8.222112	-3.41826	0.003171	0.011716	-2.86887	8.693561	8.683521	8.647463	8.316576	8.339366	8.312179	8.469368	8.508698	8.502326	8.051837	8.052736	7.972582	7.874454	7.909355	7.908333	7.962658	7.91205	7.972725
QSOX1	ENSG0000	0.417826	8.202114	5.831193	1.79E-05	0.0002	2.346134	7.95087	7.965603	8.018109	8.002995	8.032187	8.000646	8.338416	8.258821	8.333813	7.933674	7.967705	7.975895	8.545069	8.510162	8.54462	8.502137	8.472668	8.376909
STXBP3	ENSG0000	0.008682	5.373917	0.168427	0.868181	0.911306	-7.26409	5.2241	5.164879	5.204319	5.420792	5.270617	5.331249	5.257962	5.380521	5.291723	5.538326	5.540693	5.416316	5.595861	5.766058	5.664984	5.396376	5.401238	5.507891
PHF13	ENSG0000	0.047351	4.44812	0.79694	0.436179	0.557424	-6.79877	4.088441	4.262405	4.388298	4.272916	4.258538	4.233737	4.321396	4.212157	4.288067	4.81954	4.842882	4.859824	4.568067	4.585115	4.621173	4.969919	4.822959	4.874064
ERRFI1	ENSG0000	0.212793	8.183682	2.715693	0.014431	0.03887	-4.34177	8.486362	8.44242	8.401225	8.127014	7.964469	8.088781	8.572936	8.60008	8.634113	7.874903	7.85685	7.83978	8.030982	8.044296	8.069269	8.099471	8.130296	8.136817
PARK7	ENSG0000	0.048559	7.725496	1.613659	0.12451	0.211951	-6.27157	7.816078	7.859165	7.77407	7.845017	7.843779	7.816664	7.830881	7.896066	7.887626	7.647554	7.613339	7.646805	7.565493	7.534405	7.577516	7.702921	7.632095	7.696619
ELAPOR1	ENSG0000	-1.19435	0.406245	-3.41673	0.003182	0.011738	-1.65934	2.548084	1.978677	2.194417	1.393812	1.164793	0.909432	0.983587	1.231675	1.314712	0.934589	1.300837	1.158083	1.186687	1.077171	1.456457	0.457048	0.975239	1.058313
AMPD2	ENSG0000	0.015579	5.758526	0.199435	0.844224	0.894597	-7.29496	5.720169	5.620197	5.736621	6.248061	6.364945	6.248587	5.601686	5.499594	5.570437	5.608358	5.602884	5.510708	5.957922	5.786458	5.955152	5.629975	5.739082	5.751822
SRSF4	ENSG0000	-0.07229	5.898244	-1.45463	0.163497	0.261562	-6.32273	6.189761	6.099413	6.135406	5.49519	5.754503	5.572123	6.09271	6.020078	5.975483	6.001504	6.017092	6.051671	5.72145	5.784769	5.74193	6.008681	5.983288	5.973944
MECR	ENSG0000	-0.18713	4.712949	-1.9193	0.071424	0.137361	-5.4032	5.089762	5.099019	5.041355	4.316764	4.529983	4.372816	4.980658	4.722281	4.674259	4.930021	4.761819	4.745417	4.779762	4.811013	4.836082	4.644018	4.773297	4.740203
KCNC4	ENSG0000	-0.54873	-0.93997	-1.52765	0.144495	0.237567	-4.80735	2.629805	2.71221	2.848472	2.577385	2.57804	2.904994	2.186178	2.220554	2.34318	0.190076	0.106501	0.230035	0.106501	0.106501	0.263213	0.183756	0.106501	0.106501
EDEM3	ENSG0000	0.547682	6.864663	5.278444	5.61E-05	0.00048	1.292046	6.629166	6.682141	6.621703	7.339089	7.14235	7.282651	7.590075	7.548584	7.547526	6.547499	6.651423	6.472617	6.497497	6.519589	6.537033	6.736232	6.74945	6.707562
WDR77	ENSG0000	-0.01033	5.309847	-0.17288	0.864735	0.909296	-7.27771	5.403266	5.346137	5.204319	4.845887	4.831037	4.899045	5.342749	5.302366	5.330179	5.536332	5.535075	5.702902	5.373851	5.331874	5.532641	5.571885	5.558198	5.607985
ATP5PB	ENSG0000	-0.12449	7.230456	-4.02312	0.00084	0.004068	-1.48353	7.320388	7.350364	7.317153	7.251428	7.183413	7.182701	7.261476	7.204053	7.26939	7.391411	7.303232	7.33001	7.107375	7.175659	7.13174	7.163205	7.209698	7.174073
RAP1A	ENSG0000	-0.09225	5.344661	-2.19535	0.041906	0.090284	-5.05387	5.259834	5.151261	5.234814	5.112883	5.019069	5.046319	4.998191	5.197177	5.126746	5.730282	5.676181	5.652722	5.565727	5.610755	5.664984	5.546516	5.665153	5.607985
HDAC1	ENSG0000	-0.03772	6.660982	-0.96911	0.34571	0.466902	-7.00015	6.361064	6.46679	6.274002	5.92161	5.921921	6.081451	6.311847	6.361757	6.369368	7.23171	7.203454	7.26469	6.955868	6.918885	6.976233	7.197954	7.188879	7.1682
CAPZA1	ENSG0000	-0.21533	7.760467	-4.72638	0.000182	0.00121	0.012032	8.032016	8.048287	7.942116	7.397428	7.425624	7.357731	7.822704	7.833822	7.798244	8.022924	7.971177	8.004295	7.588531	7.680987	7.592368	7.747337	7.750946	7.796821
S100PBP	ENSG0000	-0.33795	4.92493	-3.34745	0.003702	0.013239	-2.62128	5.053202	4.965333	4.913139	5.460427	5.355198	5.435149	4.576101	4.562048	4.459769	5.133727	5.061869	5.041557	4.96202	5.006281	5.068941	4.868275	4.664642	4.946447
RNF19B	ENSG0000	-0.31439	5.220831	-3.77286	0.001456	0.006293	-1.78946	5.631194	5.816305	5.790077	4.960893	4.789085	4.93257	5.444307	5.327507	5.427983	5.380501	5.338363	5.376759	5.121745	4.925808	5.128745	5.046891	5.109777	5.150886
SCAMP3	ENSG0000	0.049679	7.47004	0.880716	0.390422	0.512042	-7.11995	7.568522	7.54842	7.60863	7.794739	7.877773	7.818586	7.85994	7.728442	7.823175	7.235404	7.124594	7.235501	7.458447	7.331288	7.375539	7.073437	7.090924	7.061792
TRIM62	ENSG0000	0.009692	2.861846	0.063727	0.949911	0.967642	-6.71525	2.109269	2.09705	1.853768	3.325575	3.441741	3.335661	1.762502	2.069791	1.564539	3.420635	3.486521	3.630629	4.404034	4.225504	4.247105	3.623987	3.529023	3.679412
ASH1L	ENSG0000	0.248316	7.406322	3.282502	0.004266	0.014832	-3.09943	7.273483	7.344393	7.437839	7.585725	7.546565	7.790129	7.851122	7.79304	7.804327	7.218087	7.332677	6.957961	7.294942	7.291995	7.32808	7.177442	7.175286	7.271215
SFPQ	ENSG0000	-0.10777	8.67597	-2.8139	0.011722	0.033003	-4.18356	8.89111	8.920212	8.901427	8.434708	8.291337	8.346341	8.670932	8.69691	8.726311	8.825371	8.833991	8.812495	8.500962	8.477599	8.484437	8.780129	8.829253	8.810126
RHOU	ENSG0000	0.586833	-0.26395	1.860142	0.079779	0.150258	-4.37307	2.933205	2.9974	2.848472	4.082842	4.061165	4.121933	3.586698	3.672864	3.218306	0.190076	0.106501	0.106501	0.234608	0.416769	0.186984	0.183756	0.106501	0.106501
GON4L	ENSG0000	0.02055	6.20697	0.446866	0.660459	0.755492	-7.30438	5.903856	5.772502	5.83942	6.080123	6.061883	6.158358	6.020192	5.902309	5.934468	6.421317	6.467021	6.302729	6.697651	6.7229	6.748219	6.318033	6.348028	6.394816
ARHGEF2	ENSG0000	-0.47242	6.698953	-3.91045	0.001076	0.00496	-1.69122	7.613159	7.578621	7.693415	6.149661	6.329843	6.202215	6.686381	6.71605	6.675138	6.825024	6.804824	6.830163	6.155989	6.23912	6.015629	6.774976	6.789258	6.773159
LAMTOR2	ENSG0000	-0.04633	6.114283	-0.71487	0.484128	0.602431	-7.11811	6.285853	6.187107	6.170885	6.149661	6.198646	6.213949	6.095427	6.048077	5.961941	6.025878	5.876072	6.020994	6.427169	6.320645	6.336612	6.093708	5.998805	6.032387
MEF2D	ENSG0000	-0.11111	6.506474	-1.70656	0.105607	0.186458	-5.99899	7.205144	7.172201	7.221418	6.728936	6.801626	6.789308	7.188262	7.158078	7.270489	6.111435	6.118253	6.184564	6.002473	5.933952	5.833849	5.933785	5.851038	5.928999
DOCK7	ENSG0000	-0.16155	5.621683	-2.97031	0.008391	0.025293	-3.53002	6.172821	6.14993	6.225897	5.98549	6.005424	6.166432	6.020192	6.191911	6.051618	5.362601	5.456014	5.267448	5.036421	5.082502	5.188613	5.141909	5.048468	5.207621
SRM	ENSG0000	0.028767	7.144959	0.365026	0.719472	0.801144	-7.4371	7.168012	7.202228	7.253213	7.26604	7.343118	7.221967	7.249325	7.135716	7.165698	7.224915	7.030564	7.291528	6.921181	6.79179	6.766341	7.290911	7.243308	7.233943
FBXO2	ENSG0000	-0.20002	1.379661	-0.62094	0.542654	0.654443	-6.07361	2.996191	2.90305	2.94999	1.634586	1.498102	1.623325	2.545421	2.147141	2.202855	1.116489	1.228418	1.49011	1.548989	1.738515	1.826726	1.708352	1.406038	1.703111
FBXO6	ENSG0000	-0.15397	1.922689	-0.64387	0.528021	0.64129	-6.17981	3.662849	3.608619	3.511328	2.181668	2.229385	2.22781	2.779728	3.083395	3.00245	1.586365	1.435603	1.696985	1.446877	1.738515	1.355599	2.095813	1.930959	2.226823
C1orf21	ENSG0000	0.391195	5.431917	1.637849	0.11933	0.205118	-5.86549	6.061262	6.185438	6.089793	6.288261	6.216843	6.284269	7.018237	7.014526	6.992692	4.464232	4.479316	4.385707	4.98725	5.026432	5.017597	3.962207	3.992947	4.108904
SWT1	ENSG0000	-0.08134	1.70333	-0.49458	0.627053	0.726583	-6.1834	2.109269	2.206444	2.248556	2.457149	2.520598	2.374422	2.01302	2.184314	2.047395	1.732907	1.588084	1.780195	2.452975	2.811056	2.513282	1.759719	1.547811	1.739782
MAD2L2	ENSG0000	-0.24925	4.520201	-3.21691	0.004922	0.016679	-2.82297	5.291568	5.358041	5.231457	4.647264	4.860273	4.67402	5.021241	4.819999	5.03142	4.447347	4.331577	4.606974	3.714069	3.826433	3.767168	4.390642	4.414575	4.150354
DNAJC6	ENSG0000	-0.22251	5.012429	-1.61248	0.124767	0.212313	-5.92637	5.343965	5.303682	5.3383	4.797189	4.97698	4.772519	4.723921	4.949799	4.831463	4.974897	4.945274	4.862213	5.541158	5.415021	5.519102	4.891489	4.949728	4.918728
LEPR	ENSG0000	0.87462	4.179401	9.432736	2.83E-08	1.42E-06	9.331996	4.296689	4.223893	4.307715	4.797189	4.888929	4.93257	5.324334	5.281075	5.197793	3.058725	3.447177	3.332842	4.037603	3.970091	4.002193	3.871719	3.896833	3.969186
IVNS1ABP	ENSG0000	0.366765	6.717869	3.750912	0.001528	0.006555	-2.03124	6.333889	6.252341	6.283758	6.757855	6.804637	6.80232	7.003844	7.13453	7.071735	6.693372	6.768574	6.655912	6.836005	6.815972	6.81938	6.718492	6.635939	6.790741
KIAA2013	ENSG0000	-0.04968	6.638586	-0.7519	0.46212	0.582527	-7.1679	6.43397	6.477742	6.434415	6.491324	6.738471	6.52934	6.29303	6.168913	6.269562	6.788619	6.759769	6.977927	6.962822	6.855932	6.862903	7.007235	6.913171	6.801623
MFN2	ENSG0000	-0.26225	7.464885	-7.41211	8.56E-07	1.90E-05	5.510732	7.644832	7.586232	7.564626	7.111553	7.104976	7.203449	7.24566	7.27146	7.252803	7.832047	7.791198	7.839174	7.455163	7.348541	7.383032	7.638775	7.586608	7.661211
MIIP	ENSG0000	0.168104	3.749916	2.301129	0.033936	0.076431	-4.53801	3.719942	3.695626	3.717332	3.392671	3.546181	3.391835	3.80164	3.946081	3.90213	3.950439	3.896014	4.116262	4.028794	3.826433	4.104162	4.203908	4.156841	4.051715
SMG7	ENSG0000	-0.00885	7.908295	-0.28091	0.782075	0.84753	-7.52966	7.822066	7.884078	7.849906	7.701062	7.755503	7.769737	7.908653	7.842569	7.859417	8.029675	8.042212	8.009154	7.993838	7.968207	8.037401	7.95407	8.012549	8.021011
NCF2	ENSG0000	-0.63003	1.751973	-3.89392	0.001115	0.005097	-1.20366	1.791852	2.009193	1.921989	0.258133	0.389229	0.657796	0.670238	0.387194	0.735084	4.592639	4.616873	4.783729	3.281595	3.131201	3.326666	4.166333	4.288934	4.286716
SLC35D1	ENSG0000	1.14553	4.860793	10.41709	6.41E-09	4.58E-07	10.76738	4.433832	4.412648	4.48731	5.396478	5.492239	5.605169	5.736627	5.876989	5.88366	4.119853	4.382523	4.136142	4.47385	4.488812	4.519937	5.069967	5.012228	4.95427
PLA2G4A	ENSG0000	0.859314	4.962135	3.358249	0.003616	0.012976	-2.49829	4.859306	4.765319	4.701394	6.977285	6.889334	6.834346	5.943836	6.128954	5.91773	3.944434	4.013804	4.104202	4.241981	4.420842	4.165038	4.175819	4.211138	4.087723
GADD45A	ENSG0000	-0.69229	5.742447	-2.74721	0.013502	0.036998	-3.99647	7.621299	7.738565	7.744939	5.514147	5.49597	5.503669	6.577851	6.540823	6.601937	4.845549	5.022258	5.28714	4.8288	4.797675	4.99542	5.010245	4.927198	4.922721
WLS	ENSG0000	0.405257	5.937489	3.626341	0.002009	0.008119	-2.2198	5.163648	5.081176	5.134153	5.944151	5.690831	5.875244	6.037254	6.107342	6.059269	6.095267	6.14923	6.197867	6.394967	6.402221	6.448996	6.178727	6.137047	6.23221
PRDM2	ENSG0000	-0.1609	5.320127	-3.44323	0.003002	0.011241	-2.50105	5.611213	5.622666	5.555197	5.380038	5.415531	5.484421	5.63569	5.364416	5.420081	5.29814	5.288033	5.303055	5.22369	5.23377	5.253122	5.132197	5.132464	5.077574
RGS2	ENSG0000	1.375517	6.531122	3.900996	0.001098	0.005034	-1.35509	8.441803	8.39446	8.345258	10.24985	10.05722	10.14001	10.10919	10.13687	10.15932	4.076585	3.981119	4.046548	3.173846	3.233802	3.21594	3.711377	3.587665	3.698167
RPE65	ENSG0000	0.988305	-0.9998	4.70945	0.000188	0.001247	0.851458	2.9807	2.836538	3.013906	2.791417	2.660129	2.805104	3.879385	4.060466	3.82044	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RO60	ENSG0000	0.500453	5.974903	4.971844	0.000107	0.000802	0.734385	5.691909	5.877545	5.776322	6.31012	6.177895	6.239048	6.635005	6.66765	6.694921	5.698525	5.727989	5.684119	5.710474	5.857276	5.740264	5.824952	5.755617	5.915037
UCHL5	ENSG0000	-0.11546	6.675418	-2.72277	0.014218	0.038426	-4.20655	7.194272	7.210458	7.168866	6.725687	6.622106	6.650856	7.132461	7.147529	7.11765	6.687093	6.661772	6.742104	5.896296	5.984858	5.905471	6.517732	6.513809	6.552579
BCAS2	ENSG0000	-0.09333	5.719803	-2.00037	0.061243	0.121811	-5.47446	5.38573	5.590232	5.384366	5.062262	5.075006	5.114677	5.277239	5.323347	5.459165	6.332149	6.320129	6.265309	6.057648	6.050991	6.13582	6.30188	6.145437	6.20624
SRSF11	ENSG0000	-0.03374	6.784973	-0.47733	0.63904	0.73717	-7.35377	6.66474	6.637665	6.631923	6.911603	6.873648	6.927555	6.445657	6.680716	6.639853	6.91835	6.96661	6.957961	6.770139	6.772319	6.7923	6.866418	6.931076	6.984636

CTH	ENSG0000	1.447387	5.111281	4.581092	0.000248	0.001542	0.120718	5.557407	5.562207	5.503257	6.312288	6.173243	6.33171	7.745219	7.635034	7.724771	4.237473	4.190981	4.224215	3.251622	3.410675	3.335521	3.98397	4.017531	3.999746
AGMAT	ENSG0000	-0.21122	2.280301	-1.26262	0.223313	0.333261	-5.87292	2.137484	2.232543	2.514675	1.933905	2.229385	2.029614	2.446718	2.029503	1.620777	3.496465	3.501964	3.464463	2.225168	2.48471	2.200805	3.447271	3.422593	3.107809
OLFML3	ENSG0000	0.54356	-1.45584	1.167231	0.258795	0.374026	-5.19753	1.12723	1.465573	1.78216	2.633943	2.520598	2.532704	1.816207	2.108984	1.826075	0.106501	0.185134	0.16959	0.106501	0.106501	0.106501	0.257084	0.106501	0.106501
CFHR3	ENSG0000	0.635365	0.847567	2.351882	0.030633	0.070293	-3.73613	1.069823	1.226787	0.829201	1.978268	1.909591	1.310092	1.588238	1.901414	1.962896	1.073118	1.55885	1.094478	2.062048	2.23054	1.970087	1.214313	1.2488	1.461048
PLEKHM2	ENSG0000	0.014756	6.103431	0.22046	0.828067	0.882466	-7.37479	5.97203	5.902145	5.982065	5.842822	5.919145	5.835287	5.736627	5.689327	5.770134	6.187125	6.203367	6.27789	6.626447	6.532731	6.572108	6.39518	6.46325	6.349562
CRYZ	ENSG0000	-0.33307	5.236398	-5.28575	5.53E-05	0.000476	1.469551	5.142921	5.140963	4.994599	4.839889	4.675247	4.829562	4.428731	4.59693	4.542164	5.855556	5.936987	5.876026	5.553494	5.764345	5.756839	5.6708	5.695942	5.701584
PHTF1	ENSG0000	0.567703	4.185024	5.836774	1.77E-05	0.000198	2.893323	4.02189	4.058659	3.987862	5.227586	5.075006	5.063714	4.83866	4.825892	4.849226	3.60703	3.5985	3.619375	4.207266	4.303069	4.088533	3.877544	3.896833	3.725851
ZBTB17	ENSG0000	0.252063	4.295423	3.753856	0.001518	0.006521	-1.66351	3.520128	3.472886	3.717332	4.316764	4.167908	4.249025	4.174919	3.879643	4.00079	4.480922	4.591835	4.554757	5.250459	5.178243	5.13383	4.720549	4.751478	4.577525
CD58	ENSG0000	0.215244	4.535708	1.563338	0.135898	0.22669	-5.91329	4.006674	3.96057	4.188143	4.971905	4.635214	4.960699	4.384974	4.436718	4.592248	4.759247	4.777766	4.830842	4.580176	4.577331	4.569568	4.730238	4.877699	4.96205
TTF2	ENSG0000	-0.34738	5.178245	-2.59012	0.018776	0.047858	-4.27569	5.071598	5.044814	5.16615	5.232173	5.239802	5.223158	4.751751	4.61746	4.694053	5.800109	5.793771	5.831609	4.91976	5.076992	5.014844	5.444259	5.489561	5.549799
NR5A2	ENSG0000	-0.88277	0.926521	-4.69873	0.000193	0.001267	0.887933	1.430644	1.465573	1.667608	1.933905	1.768674	1.993763	0.782422	1.001115	0.925731	1.840286	1.827525	2.021603	1.818016	2.016959	1.775589	1.627702	1.118494	1.504318
KIF21B	ENSG0000	-0.35734	1.928767	-2.74945	0.013439	0.036849	-3.41012	2.245129	1.81559	2.109199	1.457877	1.373859	1.055701	1.240874	1.901414	1.50602	3.765279	3.532361	3.339716	2.357702	2.381211	2.220059	3.39949	3.287607	3.176297
TMEM9	ENSG0000	0.205463	7.365038	1.525495	0.145027	0.238252	-6.35309	7.060678	7.019428	7.038566	8.278277	8.201667	8.173344	7.646756	7.528849	7.594798	7.165499	7.125841	7.124446	7.319981	7.238706	7.212068	7.0132	7.007471	6.990354
ADPRS	ENSG0000	0.032234	5.261454	0.570077	0.575881	0.683636	-7.13826	5.023273	5.059469	5.064177	4.479932	4.56592	4.549901	5.009762	4.905964	4.807433	5.740714	5.766859	5.864156	5.615116	5.593492	5.638396	5.977832	5.934095	5.843128
MAP7D1	ENSG0000	-0.24757	6.813222	-3.20977	0.004999	0.016872	-3.21031	6.507427	6.653448	6.686875	6.702735	6.749451	6.689188	6.143489	5.929932	6.099406	6.972464	7.027899	7.148135	7.521426	7.486893	7.478561	7.104192	7.034825	6.950822
WARS2	ENSG0000	-0.25459	4.241958	-3.29138	0.004185	0.01463	-2.61606	4.553837	4.47956	4.600923	4.375995	4.240862	4.233737	4.143751	3.999201	4.198517	4.341661	4.265255	4.358889	4.580176	4.312477	4.411058	4.240529	4.178806	4.229846
OSCP1	ENSG0000	0.014899	2.812231	0.122714	0.903734	0.936205	-6.60826	2.668993	2.76681	2.579475	3.142765	3.502343	3.377995	2.412257	2.894433	2.408535	2.708071	2.900983	2.714318	4.028794	3.766081	3.962731	2.901634	2.799093	2.84714
MRPS15	ENSG0000	-0.37081	6.270125	-8.97456	5.87E-08	2.48E-06	8.374131	6.895997	6.983377	6.959619	6.377922	6.289573	6.306359	6.57201	6.478589	6.579055	6.265076	6.169921	6.312371	5.79473	5.743628	5.73358	5.991326	5.849327	5.91904
EXOC8	ENSG0000	-0.12454	4.806948	-1.75783	0.096275	0.173514	-5.58087	5.876913	5.725032	5.787794	5.569568	5.529116	5.481188	5.683433	5.833775	5.760779	4.092963	4.147458	4.249986	4.163669	3.970091	4.007743	3.951202	3.910024	3.897964
GNPAT	ENSG0000	-0.18675	6.054515	-2.16574	0.044428	0.094531	-5.16199	6.874155	6.876741	6.864229	6.430757	6.415061	6.453835	6.456267	6.581449	6.348704	5.558123	5.461948	5.504604	5.594369	5.659495	5.629423	5.66239	5.547687	5.491856
TSNAX	ENSG0000	-0.06172	5.731878	-0.98929	0.33602	0.456847	-6.80037	6.258816	6.261877	6.195211	6.213684	6.066908	6.164417	6.362363	6.303819	6.30432	5.411303	5.423946	5.41143	5.111351	5.417203	5.195925	5.119964	5.282007	5.201061
C1orf109	ENSG0000	-0.07928	5.142976	-1.10984	0.282106	0.399566	-6.62212	5.443372	5.413282	5.37527	5.004446	4.813207	4.751204	5.374422	5.557409	5.383978	5.346754	5.169742	5.344656	5.064709	4.919664	4.981384	5.168285	5.118327	5.102428
RRAGC	ENSG0000	0.102833	3.829873	1.111955	0.281219	0.398468	-6.28687	3.465529	3.494617	3.384088	4.342447	4.120365	4.113606	3.761137	3.711575	4.00079	4.043261	3.830249	3.91004	4.36607	4.269646	4.444184	3.717885	4.005291	3.823043
NA	ENSG0000	-0.24133	5.623604	-2.95316	0.008706	0.02605	-3.54882	6.313939	6.429199	6.304671	6.100335	6.084358	6.087841	6.179794	6.265306	6.220361	5.230663	5.155166	5.170532	5.289704	5.308554	5.188613	4.752597	4.907602	4.82371
NID1	ENSG0000	1.336839	-1.08265	4.077058	0.000746	0.003694	-0.35793	1.719036	1.81559	1.921989	2.714828	2.520598	2.845893	3.004565	2.848856	2.869505	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.19538	0.214669
LGALS8	ENSG0000	0.601412	6.524341	6.748962	2.94E-06	5.00E-05	4.392249	6.977275	7.123343	7.005539	7.749061	7.630413	7.749053	7.82598	7.935437	7.831391	5.230663	5.35759	5.240153	5.861989	5.868482	5.773225	5.402449	5.583118	5.663916
MTR	ENSG0000	-0.59753	5.193307	-9.24081	3.83E-08	1.79E-06	8.937975	6.033379	6.125763	6.170885	5.737065	5.600158	5.738416	5.324334	5.640007	5.451432	5.109782	5.167323	4.913796	4.583188	4.51757	4.550681	4.504182	4.605057	4.494122
BMP8B	ENSG0000	0.370223	2.16978	2.530523	0.021249	0.052726	-3.68912	2.320899	2.09705	2.221741	2.325974	2.904251	2.763128	2.724622	2.147141	2.239236	2.320032	2.338281	2.473063	2.42639	2.363215	2.528806	2.807136	2.770449	2.742606
MYCL	ENSG0000	-0.50773	0.180507	-2.13836	0.046883	0.098591	-4.17691	0.587539	0.410755	0.898566	0.841981	1.006428	0.3528	0.782422	0.253663	0.256032	2.100009	2.155072	2.16783	2.009285	1.993753	2.257813	1.85727	1.795362	1.844513
SIPA1L2	ENSG0000	-0.02825	4.994441	-0.18534	0.855095	0.90229	-7.11124	5.093368	4.988492	5.05661	6.082665	6.061883	6.156332	5.347317	5.310795	5.278673	4.721121	4.702905	4.765977	4.642137	4.66441	4.782046	4.365992	4.318914	4.45054
RLF	ENSG0000	0.569189	4.822586	12.08714	6.44E-10	7.97E-08	13.04892	4.450796	4.164126	4.255791	4.591236	4.485643	4.586466	4.877071	4.715948	4.923769	4.908591	4.936777	4.892917	5.148423	5.236244	5.215244	5.46375	5.480747	5.43987
KMO	ENSG0000	-1.04694	0.545321	-2.53975	0.020847	0.051991	-3.27625	5.170492	5.372784	5.251481	3.456785	3.832443	3.59692	4.154215	4.090149	4.243986	0.190076	0.259702	0.16959	0.106501	0.345231	0.263213	0.183756	0.19538	0.409347
ZNF684	ENSG0000	0.535365	1.219787	4.025319	0.000836	0.004053	-0.52009	1.475543	1.591918	1.146821	1.519216	1.556428	1.526279	1.70672	1.945386	1.826075	1.76051	1.644832	1.839597	1.954519	1.819936	2.141451	2.055273	2.274787	1.910335
RIMS3	ENSG0000	0.350607	1.604761	2.361775	0.030025	0.069177	-3.94246	1.286899	1.420874	1.202741	1.634586	1.718467	2.455733	1.240874	1.430416	1.171446	2.392392	2.23117	2.120715	3.157774	2.985883	3.085545	2.494877	2.601856	2.830235
AKT3	ENSG0000	0.268129	4.50152	2.111381	0.049423	0.102689	-4.89994	5.240453	5.32203	5.187095	5.640298	5.687572	5.581211	5.08826	5.25073	5.165072	3.275122	3.373534	3.247691	4.163669	4.034047	3.962731	3.97856	4.047684	4.163911
ETV3	ENSG0000	-0.45138	5.746817	-7.42941	8.30E-07	1.84E-05	5.685897	6.016387	5.942235	6.054137	5.077635	5.133653	5.055043	5.56294	5.633301	5.709835	6.312469	6.368317	6.332326	5.740459	5.706642	5.768329	5.872395	5.782762	5.886702
ACADM	ENSG0000	-0.18618	5.500328	-2.10492	0.05005	0.103703	-5.21415	5.750171	5.694843	5.678645	5.529135	5.244245	5.590242	5.791286	5.807211	5.725949	5.59692	5.531317	5.596435	5.456648	5.503938	5.530714	5.17303	5.203826	5.194471
ST6GALNA	ENSG0000	-0.30756	1.821161	-2.08448	0.05208	0.107084	-4.67718	0.882475	0.875715	0.756332	1.634586	1.612488	1.714252	0.670238	0.387194	0.256032	3.851231	3.695711	3.95997	4.750591	4.749998	4.681452	3.588914	3.713375	3.716682
ADGRL2	ENSG0000	-0.09264	5.218438	-1.06055	0.303333	0.422613	-6.65103	4.749336	4.843609	4.763138	5.720837	5.827376	5.669075	4.751751	4.690335	4.66091	5.346754	5.384916	5.29777	5.722816	5.754024	5.789427	5.212738	5.31709	5.171166
PADI2	ENSG0000	0.977394	3.076408	8.660535	9.81E-08	3.59E-06	7.972732	1.681202	1.744817	1.54317	1.022291	1.006428	1.055701	0.983587	1.231675	1.244857	5.339908	5.617135	5.320535	5.286012	5.175668	5.301375	6.559094	6.476611	6.458081
SDHB	ENSG0000	0.063298	6.383248	1.095325	0.288239	0.406353	-6.82413	6.561793	6.546977	6.530413	6.168929	6.135476	6.004722	6.591391	6.598762	6.633033	6.415903	6.334216	6.420884	6.297483	6.287632	6.319977	6.490433	6.410854	6.471771
MFAP2	ENSG0000	0.718979	-1.02326	4.671911	0.000204	0.001322	0.800313	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.964162	1.725977	1.951531	3.27416	3.301515	3.157218	2.652661	2.465551	2.252429
RPF1	ENSG0000	-0.16572	5.86655	-3.55331	0.002358	0.00924	-2.38648	5.703751	5.612764	5.808216	5.363409	5.221894	5.35617	5.478019	5.427787	5.50844	6.396241	6.324478	6.400482	6.204712	6.248953	6.234982	6.244437	6.27216	6.265602
KDM5B	ENSG0000	0.318035	6.289358	4.925717	0.000118	0.000865	0.607307	5.948335	6.006041	6.063606	6.781518	6.685551	6.731979	6.205178	6.225736	6.240692	5.754507	5.865664	5.721443	6.946543	6.94936	6.918472	6.193979	6.131427	6.193077
UAP1	ENSG0000	-0.1901	5.855304	-1.71776	0.103505	0.183521	-5.90514	6.527556	6.499401	6.421217	5.92161	6.071915	5.850401	5.863212	6.073067	5.836943	5.42646	5.617135	5.600733	5.71185	5.681447	5.624013	5.650532	5.727952	5.760771
CTBS	ENSG0000	0.282971	4.836562	4.109262	0.000695	0.003485	-0.8974	5.278958	5.343146	5.437772	5.800209	5.565074	5.791585	5.747035	5.673074	5.515873	3.938405	3.986619	4.03812	4.369563	4.303069	4.591911	4.189932	4.288934	4.242679
KLHL12	ENSG0000	-0.34652	6.061897	-4.57121	0.000254	0.001567	-0.14367	6.66474	6.823	6.6881	6.166534	6.175571	6.135919	6.323484	6.234624	6.229433	5.855556	5.818649	5.954255	5.798622	5.806573	5.857096	5.596816	5.613675	5.782904
SSX2IP	ENSG0000	0.206651	4.678829	3.296442	0.004139	0.014487	-2.70641	4.905158	4.973094	4.799861	4.746789	4.801196	4.849758	5.060712	4.911516	5.18386	4.505601	4.637993	4.572373	4.417596	4.225504	4.261115	4.823714	4.740443	4.849107
ZNHIT6	ENSG0000	-0.46019	6.270378	-2.92088	0.00933	0.027529	-3.77596	6.241047	6.268199	6.227583	5.316663	5.279302	5.384134	5.547145	5.633301	5.616111	6.881112	6.774149	6.849558	7.261962	7.180164	7.199997	6.432259	6.500789	6.655731
RBBP5	ENSG0000	-0.02042	5.497225	-0.32891	0.746132	0.821709	-7.22025	6.031501	5.891946	5.785507	5.724097	5.600158	5.850401	5.928678	5.981	5.709835	5.295783	5.14044	5.306568	5.267409	5.101623	5.212843	5.233327	5.211838	5.280993
GBP3	ENSG0000	0.173692	3.428759	3.103928	0.00629	0.020222	-3.1887	1.719036	1.327092	1.146821	1.688986	1.556428	1.669505	1.240874	1.301009	1.564539	5.904318	5.906851	6.024198	6.181053	6.214238	6.196617	6.060808	6.13424	6.20624
GBP1	ENSG0000	-0.03698	4.58921	-0.64598	0.526684	0.640065	-7.08972	2.744313	2.748839	2.681399	2.633943	2.948483	3.119801	2.513265	2.871824	2.202855	6.645134	6.580465	6.648318	6.887468	6.942559	6.962008	6.498961	6.658586	6.685409
PINK1-AS	ENSG0000	0.06333	2.942902	0.503787	0.620702	0.721098	-6.55237	2.933205	2.91921	3.204003	3.273122	3.34578	3.472196	3.457463	3.043491	2.82232	3.246125	2.804649	3.247691	3.091636	3.054776	2.976553	3.113899	3.225651	3.050576
KIF17	ENSG0000	0.346818	0.025797	1.07285	0.297928	0.416836	-5.42334	1.12723	1.002471	1.406977	1.457877	1.087782	1.714252	1.160105	1.15884	1.244857	0.483018	0.748206	0.639567	1.248697	1.032323	1.320349	1.058946	1.2488	0.409347
GPR89A	ENSG0000	0.175204	3.66314	1.98818	0.062686	0.124022	-5.0551	3.349713	3.439663	3.28395	3.533117	3.546181	3.926609	3.66196	3.749274	3.890739	4.037631	3.896014	4.003908	3.946991	3.86531	3.886451	3.928936	4.111883	3.945834
CDK18	ENSG0000	0.202924	2.207481	1.620519	0.123021	0.209998	-5.56236	1.519087	1.670392	1.585853	0.841981	1.164793	0.984419	1.816207	1.760835	1.38134	3.702624	3.68898	3.733386	4.024369	3.927863	3.880413	3.951202	4.071361	3.68882
RAB29	ENSG0000	0.428979	4.512555	5.650637	2.59E-05	0.000262	2.453783	4.905158	4.945746	4.772407	5.277258	5.296516	5.223158	5.547145	5.404348	5.33439	3.666603	3.754913	3.834184	4.245787	4.179969	4.14503	3.945668	4.023613	3.999746
ECE1	ENSG0000	-0.02809	8.133521	-0.23902	0.813872	0.872396	-7.56518	7.816078	7.764512	7.741993	7.902981	7.967159	7.895282	7.327689	7.328612	7.357877	8.512338	8.499465	8.577367	8.475862	8.432467	8.442532	8.822831	8.830554	8.809048
HMGCL	ENSG0000	0.429191	4.878857	5.570948	3.06E-05	0.000301	2.163714	4.516725	4.372133	4.131643	4.944216	5.019069	5.046319	5.055139	4.971227	5.005251	4.85838	4.651904	4.864598	5.377325	5.370673	5.41643	5.057193	4.981317	5.102428
GALE	ENSG0000	-0.44189	6.526493	-3.55375	0.002356	0.009236	-2.44991	7.55747	7.492818	7.526103	5.775282	6.121055	5.949645	6.848198	6.775114	6.826285	6.601919	6.546428	6.575205	6.02258	5.974523	6.003179	6.413338	6.415487	6.361377
ID3	ENSG0000	-0.49475	7.098519	-3.24546	0.004625	0.01584	-3.09953	7.958303	7.833815	7.861353	8.047267	8.223207	8.044018	7.774342	7.726868	7.798244	6.426711	6.424097	6.505084	6.934213	7.027851	6.93386	5.59328	5.637662	5.268497
CR2	ENSG0000	-0.39397	0.112945	-1.39616	0.180148	0.281806	-5.24513	0.41387	0.661886	0.964748	0.52061	0.828511	1.188496	0.782422	0.726566	0.39151	1.98771	2.011405	2.136592	1.218025	1.032323	1.284217	1.681967	1.613793	1.739782
CD46	ENSG0000	0.349964	8.710163	5.277689	5.62E-05	0.00048	1.165067	8.722953	8.801548	8.693628	9.398941	9.359921	9.427369	9.224992	9.243681	9.222323	8.186076	8.212913	8.151711	8.32234	8.349492	8.370316	8.324834	8.416004	8.421327
PRPF3	ENSG0000	0.034287	6.619707	0.550489	0.588951	0.69366	-7.32046	6.495214	6.557339	6.493057	5.854769	5.930216	5.852905	6.695365	6.687205	6.732095	7.050009	7.071892	7.092753	6.664622	6.638447	6.642478	6.922433	7.005168	7.050889
APH1A	ENSG0000	-0.03545	8.099147	-0.42543	0.675712	0.766866	-7.49859	7.686009	7.736857	7.668809	7.401507	7.55553	7.485043	7.554966	7.629991	7.58069	8.463575	8.457509	8.498551	8.913931	8.86934	8.890713	8.536598	8.49855	8.460647
P3H1	ENSG0000	0.40123	5.415572	3.692846	0.001736	0.007234	-1.85349	6.074092	6.241136	6.176132	7.152056	7.009034	7.051527	6.800697	6.672564	6.724095	4.237473	4.002991	4.278887	4.521727	4.264807	4.464508	4.23146	4.211138	4.229846
SLC2A1	ENSG0000	-0.12269	9.130058	-0.60705	0.551622	0.662145	-7.45688	9.182281	9.215715	9.25054	9.467654	9.615548	9.494648	8.963097	8.840273	8.885778	9.300858	9.37973	9.361581	8.38149	8.441875	8.399374	9.434329	9.404583	9.371471
EBNA1BP2	ENSG0000	-0.29719	7.305189	-2.70261	0.014835	0.039716	-4.31575	7.665567	7.659005	7.679318	6.585745	6.791038	6.701742	7.154781	7.19725	7.169238	7.52516	7.476407	7.553796	7.448985	7.438837	7.42771	7.433654	7.384671	7.373939
CDC20	ENSG0000	-0.01981	5.489997	-0.11381	0.910682	0.941097	-7.36167	6.199831	6.120531	6.224209	4.694564	4.944587	4.798728	6.081788	6.063123	5.970082	6.315961	6.237208	6.380621	3.575762	3.253475	3.608189	6.388056	6.41433	6.380373
ARTN	ENSG0000	1.33745	3.25812	5.49945	3.54E-05	0.000339	2.416038	3.86199	3.896716	4.011539	5.730596	5.839171	5.686023	5.498697	5.314991	5.50844	1.704765	2.193623	1.73919	2.112949	2.10622	1.851631	2.173627	2.006592	1.942153
IPO13	ENSG0000	0.274922	5.494781	2.528599	0.021334	0.0529	-4.35739	5.682365	5.734195	5.65879	6.689454	6.677361	6.592126	6.220196	6.063123	6.211233	4.864753	4.80914	4.81613	5.056064	5.034983	4.952895	4.894365	4.801884	4.806527
ATP6V0B	ENSG0000	0.171261	6.712369	1.773073	0.093643	0.169711	-5.89517	7.188384	7.178928	7.179356	7.734586	7.699176	7.689368	7.57555	7.497809	7.588642	6.007276	6.014403	6.151739	5.902337	5.907809	5.861701	6.068467	6.023291	5.847335
B4GALT2	ENSG0000	0.050605	5.430374	0.899074	0.380833	0.502753	-6.84206	6.16256	6.13617	6.153254	5.687824	5.865364	5.602196	6.073542	6.166593	6.136045	4.92393	5.035583	5.047868	4.742532	4.54975	4.739314	5.237862	5.123998	5.03025
ERI3	ENSG0000	-0.30166	5.448476	-4.1681	0.000611	0.003144	-0.94136	6.001113	5.957964	5.83279	5.5623	5.586227	5.617001	5.383345	5.416115	5.338588	5.364851	5.35971	5.408164	5.404821	5.265605	5.290032	5.384153	5.294635	5.220652
AKR1A1	ENSG0000	0.100054	6.295594	0.823157	0.421509	0.543062	-7.04902	6.393597	6.343478	6.315808	6.396431	6.373081	6.358386	6.599072	6.577961	6.407834	6.005835	5.873106	5.954255	6.75018	6.604381	6.751531	5.912665	6.008036	6.041596
PRDX1	ENSG0000	0.07714	9.457566	2.334998	0.031697	0.072338	-5.14409	10.36484	10.37936	10.34148	10.08816	10.11991	10.05218	10.47445	10.53525	10.46855	8.717053	8.636513	8.676911	8.404658	8.475507	8.468676	8.70943	8.680591	8.688187
PIK3R3	ENSG0000	-0.42256	4.690638	-5.57203	3.05E-05	0.000301	2.139972	4.051848	4.184325	4.153091	4.199863	3.808643	3.982555	3.137083	3.506713	3.4839	5.691372	5.660785	5.671915	6.025904	5.986328	6.025238	5.408497	5.341637	5.383047
TSPAN1	ENSG0000	0.524168	5.049485	2.41946	0.0267	0.063224	-4.73423	3.903656	3.928996	3.745844	2.063099	1.996426	1.919272	2.884002	2.801791	2.77354	6.805281	6.907683	6.863935	7.941994	7.922856	7.979263	7.5926	7.63458	7.584531
BLZF1	ENSG0000	-0.2599	6.303409	-5.51346	3.44E-05	0.000332	1.816607	5.966143	5.887846	5.750758	5.740289	5.818465	5.697212	5.863212	5.7022	5.729151	7.022485	7.003695	7.094278	6.810532	6.832416	6.827249	6.657168	6.69524	6.723671
SLC19A2	ENSG0000	0.267974	4.853719	1.934245	0.069441	0.134272	-5.3972	4.351916	4.543506	4.458888	4.960893	4.776871	4.844735	5.310366	5.314991	5.412136	5.057888	4.91387	4.983487	5.027605	5.02357	4.95577	4.76522	4.780497	4.815144
FAAH	ENSG0000	0.11498	1.721838	1.004186	0.32899	0.448917	-6.30225	0.667115	0.410755	0.598525	1.393812	0.92021	0.563119	0.548589	0.915275	1.01237	3.956418	4.008408	3.819506	4.645023	4.513497	4.606616	3.917673	4.029668	3.976887
NSUN4	ENSG0000	-0.07077	5.405378	-1.32083	0.203591	0.30934	-6.40945	5.496078	5.421814	5.446484	5.380038	5.435093	5.556848	5.473848	5.427787	5.296047	5.583459	5.481554	5.57329	5.311659	5.324918	5.339289	5.526265	5.504857	5.344873
TMED5	ENSG0000	0.370365	7.121919	5.237308	6.12E-05	0.000514	1.180474	6.950688	6.945416	6.956572	7.614996	7.426602	7.525623	7.518981	7.471735	7.51729	6.853341	6.839425	6.869289	6.898995	6.897162	6.967003	7.011876	7.096704	7.028832
DR1	ENSG0000	0.117361	6.141861	2.450821	0.025041	0.060073	-4.69971	5.851589	5.848305	5.867803	5.660858	5.634408	5.669075	5.853613	5.948957	5.845819	6.422397	6.44122	6.416014	6.537639	6.586072	6.550405	6.616821	6.612931	6.579383
CNN3	ENSG0000	0.07051	5.841884	0.577383	0.571044	0.679787	-7.19607	5.071598	5.099019	5.010354	5.863665	5.899563	5.870309	5.188389	5.268148	5.256657	6.375191	6.343889	6.453731	6.191945	6.226732	6.390715	6.456784	6.372058	6.313524
PRRC2C	ENSG0000	-0.10313	8.656659	-2.44552	0.025314	0.060606	-4.90472	8.794746	8.796636	8.870471	8.653968	8.577157	8.852215	8.79021	8.749402	8.720693	8.68365	8.731891	8.580998	8.540816	8.449091	8.508127	8.478377	8.547117	8.561079
F3	ENSG0000	-0.00227	6.033992	-0.02059	0.983808	0.989891	-7.45706	4.574623	4.435299	4.326715	3.827958	3.808643	3.991672	3.440463	3.605944	3.289427	8.140516	8.096943	8.275402	8.203094	8.17641	8.281176	8.40188	8.341588	8.387782
ABCD3	ENSG0000	-0.08134	6.195744	-0.89792	0.381432	0.503258	-6.97827	6.189761	6.308632	6.126398	6.367536	6.293865	6.468603	6.466799	6.487911	6.464636	6.278265	6.217467	6.300088	5.999094	6.201634	6.074994	5.912665	5.786343	5.946753
VAMP4	ENSG0000	0.585262	3.733597	6.449982	5.24E-06	7.73E-05	4.165442	3.498536	3.516026	3.88052	4.325376	4.186495	4.34463	4.245129	4.365678	4.41276	3.265521	3.423044	3.172678	3.983922	3.826433	3.81227	3.737235	3.620134	3.611778
DPH5	ENSG0000	-0.17173	4.660291	-2.34417	0.031115	0.071307	-4.57519	5.476884	5.343146	5.238162	5.180897	5.044764	5.076625	5.157514	5.160337	5.005251	4.232554	4.190981	4.428251	4.167687	4.354074	4.302347	4.349322	4.123255	4.157149
PTBP2	ENSG0000	-0.09778	2.982821	-0.93937	0.360343	0.482275	-6.28444	2.996191	2.76681	2.94999	2.999448	2.85862	3.086148	3.050103	3.250449	3.181386	3.463254	3.554746	3.283783	3.332595	3.272884	3.454098	3.094024	3.093137	3.228839
TNFSF4	ENSG0000	0.744979	-0.75019	2.345895	0.031007	0.071081	-3.54507	1.561356	1.551021	1.30847	2.688367	2.549605	2.805104	1.966276	2.255906	2.309357	0.190076	0.185134	0.16959	0.294634	0.26996	0.335616	0.106501	0.2791	0.214669
PRDX6	ENSG0000	0.045649	8.462679	0.940764	0.359647	0.48157	-7.12109	9.076499	9.102192	9.009732	9.48	9.429844	9.414715	9.133751	9.204919	9.156076	7.70817	7.697483	7.693503	7.732473	7.753155	7.77961	7.673508	7.667479	7.702437
DARS2	ENSG0000	-0.09888	6.346235	-1.86249	0.079431	0.149662	-5.74522	6.953666	6.990086	6.929899	6.426761	6.405176	6.422153	6.872167	6.831855	6.691642	6.088476	6.019777	6.174026	5.847033	5.845981	5.879974	6.047952	6.008036	6.139191
IRF6	ENSG0000	0.098474	4.057617	0.800502	0.434167	0.555351	-6.89252	2.965042	2.76681	2.720234	2.766336	2.398361	2.605775	1.317361	2.069791	1.674905	5.904318	5.992705	5.855788	6.347934	6.244045	6.274656	6.107404	6.241181	6.18645
UTP25	ENSG0000	-0.27469	6.478735	-3.72013	0.001634	0.006894	-2.05155	7.229924	7.187292	7.126124	6.614138	6.721046	6.810071	6.968703	6.842069	6.8906	6.165349	6.173542	6.112139	6.164057	6.156634	6.098594	5.933785	5.818179	5.921037
RCAN3	ENSG0000	-0.56628	5.388756	-10.5522	5.27E-09	3.93E-07	10.93121	6.092225	6.125763	6.155027	6.046662	5.924691	5.921298	5.383345	5.557409	5.537947	5.141621	5.069663	5.202938	5.081845	5.213825	5.191054	4.598895	4.710599	4.7174
SYF2	ENSG0000	-0.01238	5.280919	-0.11836	0.907129	0.93863	-7.2497	5.093368	4.999934	5.116065	5.122798	5.226392	5.072334	4.920629	4.922558	5.005251	5.257549	5.349076	5.249309	6.111833	6.140876	6.114114	5.275849	5.433569	5.347846
RSRP1	ENSG0000	-0.04307	4.300949	-0.59401	0.560116	0.670172	-6.84712	3.719942	3.638208	3.792147	4.701197	4.635214	4.809079	3.788265	3.749274	3.946814	4.509673	4.562677	4.352105	5.212064	5.208795	5.138897	4.236002	4.333674	4.494122
SLC35A3	ENSG0000	0.013998	4.783769	0.252564	0.803552	0.864294	-7.11991	4.327631	4.377991	4.412214	5.067404	4.860273	4.869675	4.576101	4.569092	4.467457	4.920876	4.896447	4.892917	5.408221	5.495702	5.465657	4.802439	4.914163	4.7671
RCOR3	ENSG0000	0.018596	5.356202	0.217714	0.830174	0.883918	-7.21395	5.792929	5.772502	5.852589	5.547654	5.568621	5.830214	5.964794	6.073067	5.806958	4.926979	4.97047	5.054151	5.066862	5.112436	5.090025	4.856526	4.773297	5.03025
STMN1	ENSG0000	-0.21782	6.624002	-3.89116	0.001122	0.005121	-1.73321	6.950688	6.949356	6.860974	6.281638	5.919145	6.077174	6.732502	6.820094	6.706336	7.079075	6.916353	7.046758	6.240442	6.382256	6.260778	6.677344	6.73655	6.873516
MTFR1L	ENSG0000	0.022976	5.136125	0.255102	0.801622	0.862675	-7.16998	5.334855	5.312885	5.38134	5.355021	5.338674	5.30954	5.502797	5.416115	5.541593	4.835851	4.899366	4.838143	5.287859	5.218837	5.29458	4.796302	4.680124	4.874064
NEK2	ENSG0000	0.047728	3.764538	0.214865	0.83236	0.885385	-6.95088	4.387594	4.275018	4.109872	3.887325	3.683372	3.868406	4.576101	4.630987	4.542164	4.443094	4.301006	4.548836	2.062048	2.148862	2.141451	4.113016	4.094656	4.370952
RPS6KA1	ENSG0000	0.126793	5.187746	1.139756	0.269767	0.386432	-6.60571	5.184082	5.375715	5.303557	4.88719	4.894593	4.956049	5.003988	4.981823	4.751857	5.136363	5.200828	5.329196	5.482686	5.303845	5.301375	5.753898	5.653435	5.617869
DHDDS	ENSG0000	-0.19798	5.408517	-4.50855	0.000291	0.001745	-0.21838	5.227386	5.116644	5.152017	5.213737	5.221894	5.203674	4.779054	5.007978	4.88411	5.837849	5.749173	5.894818	5.93335	5.832965	5.903984	5.695742	5.661257	5.682873
NENF	ENSG0000	0.083636	5.679059	1.717962	0.103467	0.183499	-5.78082	6.691154	6.633998	6.59844	7.059593	7.033624	6.965068	6.783948	6.741215	6.678454	4.489195	4.521599	4.612661	4.763924	4.827513	4.684921	4.644018	4.576385	4.597643
NSL1	ENSG0000	0.120178	4.822297	1.877223	0.077282	0.146393	-5.43564	5.310279	5.247194	5.353819	5.286108	5.34696	5.384134	5.570773	5.327507	5.443658	4.368817	4.251617	4.500578	4.25337	4.51757	4.247105	4.54135	4.40994	4.433851
ARID1A	ENSG0000	0.150255	7.070739	2.800934	0.01205	0.033771	-4.08264	6.892897	6.930546	7.025058	7.153265	7.209776	7.382203	7.246883	7.206314	7.17277	7.032426	7.061508	6.909694	7.038829	6.972543	7.091796	7.034863	7.064623	7.047236
CENPF	ENSG0000	0.094568	5.245919	0.345983	0.733485	0.811924	-7.17506	5.946343	5.844079	5.912505	5.836811	5.726197	5.897242	6.415526	6.436841	6.338259	5.458414	5.677882	5.356567	3.013417	3.253475	3.157218	5.080106	4.874338	5.19777
RPA2	ENSG0000	0.105345	6.144409	2.484845	0.02335	0.056935	-4.65689	5.840904	5.920324	5.929176	5.333837	5.287935	5.127141	5.891633	6.004573	5.959217	6.825024	6.804045	6.896934	6.122223	6.073301	6.063049	7.041365	6.8967	6.990354
PPP1R8	ENSG0000	-0.06916	6.270738	-1.48484	0.155399	0.251374	-6.33975	6.343004	6.310164	6.177877	5.913065	5.827376	5.872779	6.011586	6.097632	6.086983	6.633985	6.570429	6.6566	6.237578	6.220499	6.291819	6.621167	6.674133	6.678341
STX12	ENSG0000	-0.1507	5.539068	-1.60317	0.126815	0.214971	-6.05107	5.278958	5.325066	5.261389	5.432797	5.157403	5.302231	5.478019	5.469794	5.416114	5.915104	5.859683	5.75397	6.04241	6.050991	6.06837	5.575473	5.462956	5.434288
MTARC2	ENSG0000	0.647285	0.335359	2.559398	0.020015	0.050348	-3.22206	2.688195	2.9974	2.848472	3.633621	3.901574	3.744443	3.405851	3.196885	3.759121	0.269074	0.185134	0.288049	0.294634	0.550009	0.263213	0.257084	0.2791	0.315289
OSBPL9	ENSG0000	-0.07286	6.378841	-1.72861	0.101503	0.180895	-5.95771	6.277954	6.266621	6.202087	6.725687	6.575269	6.757592	6.29303	6.203275	6.074452	6.30194	6.264627	6.274307	6.835373	6.730816	6.765522	6.231987	6.175789	6.18811
TXNDC12	ENSG0000	0.636498	6.50091	6.655618	3.52E-06	5.69E-05	4.156143	6.239421	6.234694	6.255944	6.706036	6.51404	6.62765	7.070276	7.099686	7.137062	5.981118	6.052918	6.015638	6.681583	6.703363	6.679463	6.452888	6.466602	6.401984
ESYT2	ENSG0000	0.266215	7.89147	4.218006	0.000548	0.002897	-1.07999	8.146205	8.16892	8.173114	8.600424	8.603763	8.625371	8.647513	8.63993	8.67826	7.224295	7.22164	7.22672	7.50564	7.464912	7.502838	7.202602	7.243959	7.293742
POLR1G	ENSG0000	-0.35	6.088678	-5.55103	3.18E-05	0.000312	1.914182	6.466308	6.338981	6.42563	5.475981	5.492239	5.503669	5.891633	5.71813	5.900795	6.70585	6.554781	6.705318	5.855776	5.764345	5.769963	6.455811	6.475502	6.504107
MESD	ENSG0000	0.655103	6.592008	11.24668	1.98E-09	1.88E-07	11.81023	5.792929	5.932317	5.867803	6.686114	6.453938	6.676523	6.54443	6.651149	6.603683	6.526551	6.481699	6.588253	6.925933	6.952372	6.914784	7.046544	7.174603	7.124668
RCN2	ENSG0000	0.15308	6.575298	3.462274	0.00288	0.010887	-2.6419	6.478767	6.440439	6.466178	6.735413	6.657512	6.649416	6.748129	6.776637	6.730498	6.5195	6.522967	6.487395	6.532974	6.615826	6.650484	6.564521	6.49314	6.566681
CHRNB4	ENSG0000	0.343544	0.215082	1.219811	0.238741	0.35081	-5.40262	1.069823	0.410755	0.964748	1.326771	0.828511	0.984419	0.670238	0.915275	0.39151	1.278001	1.190799	1.333627	1.446877	2.016959	1.826726	1.482378	1.795362	1.775544
MUC5B	ENSG0000	0.484279	5.566198	1.138331	0.270346	0.386934	-6.62471	5.628712	5.922329	6.019525	6.377922	6.706631	7.059135	6.727255	6.489769	6.858801	5.577652	6.085314	5.390066	3.318207	2.985883	3.032078	5.570088	5.649508	5.701584
CTSD	ENSG0000	0.204919	8.897298	1.991866	0.062247	0.123341	-5.74633	8.48396	8.567201	8.732733	9.121455	9.296096	9.124514	8.618049	8.514183	8.607397	8.676649	8.756643	8.954451	9.043126	9.08798	9.045278	9.255068	9.272613	9.051223
COLEC11	ENSG0000	-0.42067	-0.06218	-1.49095	0.153801	0.249384	-4.94245	1.681202	2.125186	1.62731	0.934951	1.307481	1.250575	1.525136	1.430416	2.165532	0.7264	0.986408	0.846782	0.407676	0.416769	0.760679	0.517985	0.759002	0.409347
STAG1	ENSG0000	0.265716	5.205879	1.876892	0.07733	0.146464	-5.53498	5.294704	5.191734	5.183625	5.842822	5.732536	5.918911	5.36994	5.539589	5.439755	4.960093	5.038233	4.95467	4.512278	4.866361	4.851597	5.293385	5.358575	5.098903
STK11	ENSG0000	0.048726	5.264781	0.515135	0.612912	0.714379	-7.12275	5.114814	5.328095	5.41428	5.16659	5.326156	5.110498	5.082792	4.987092	4.956916	5.213289	5.283572	5.247482	5.635569	5.522299	5.553662	5.710502	5.537098	5.271631
KMT2A	ENSG0000	-0.12205	6.601596	-1.50666	0.149758	0.244385	-6.34093	6.150496	6.213556	6.361052	6.01507	6.108926	6.471864	6.353309	6.239047	6.188155	7.124262	7.282145	6.834428	7.111031	6.990972	7.087871	6.871535	6.796379	6.914191
IFT46	ENSG0000	-0.14644	4.131604	-1.60791	0.125769	0.213507	-5.84941	3.810347	3.58855	3.707702	3.376187	3.225109	3.321269	3.33403	3.446787	2.892531	4.896201	4.950911	5.068705	5.184566	5.208795	5.248442	4.900099	4.927198	5.037632
SLC8A2	ENSG0000	0.43297	-0.87725	1.474149	0.158226	0.255106	-5.09773	0.216396	0.106501	0.323815	0.106501	0.25478	0.3528	0.269385	0.253663	0.256032	1.199504	1.529011	1.277453	2.027088	2.084417	2.544166	1.45147	1.368306	1.844513

KPTN	ENSG0000	-0.2824	2.747985	-2.42464	0.026419	0.062694	-4.00202	3.397161	2.886707	3.28395	3.21869	3.112982	2.94309	2.884002	2.676938	2.588518	2.955028	2.841532	3.018425	2.911671	2.901116	2.99902	2.901634	2.665466	3.035906
RPS25	ENSG0000	-0.0738	8.813327	-1.22559	0.236612	0.348471	-6.87216	8.879933	8.853716	8.790043	8.558578	8.55944	8.52925	8.721505	8.775139	8.713033	8.938069	8.951654	8.828466	8.915873	9.048759	9.051169	8.813366	8.843289	8.928526
KIF14	ENSG0000	0.358537	3.622507	1.413684	0.175019	0.275569	-5.91027	4.199669	4.318312	4.314076	3.977507	3.867423	4.146631	4.87074	4.87219	4.837409	4.048869	4.056262	3.839044	1.838325	1.738515	1.456457	4.057652	3.88352	3.897964
DDX59	ENSG0000	-0.34281	4.73916	-5.9033	1.55E-05	0.00018	2.930522	5.750171	5.765816	5.70066	5.355021	5.395699	5.414959	5.333571	5.495903	5.296047	4.187508	4.340194	4.300188	3.997531	4.073319	4.056758	4.132632	3.835933	3.992166
CAMSAP2	ENSG0000	0.384125	6.869618	4.062765	0.00077	0.003785	-1.34405	6.731048	6.743552	6.781722	7.47107	7.344154	7.526408	7.434574	7.480167	7.479771	6.516467	6.575	6.306242	6.622061	6.694395	6.654027	6.492333	6.479932	6.559006
ATF6	ENSG0000	0.17243	6.686502	3.098846	0.006359	0.020372	-3.41436	6.824039	6.759347	6.674569	7.164108	7.006421	7.122759	7.120503	7.106965	7.09177	6.347019	6.346029	6.34006	6.582726	6.549737	6.573044	6.326575	6.351658	6.336153
MREG	ENSG0000	-0.09487	3.028341	-0.68386	0.503028	0.619402	-6.63683	3.128595	3.128277	3.408073	2.518519	2.264801	2.098749	2.144798	2.511284	2.309357	3.97421	3.964495	3.919248	3.409264	3.320292	3.470269	4.083081	4.211138	4.18401
FASTKD2	ENSG0000	-0.29583	6.41578	-5.47607	3.72E-05	0.000352	1.73556	6.694719	6.749213	6.59191	6.044055	6.023629	6.092086	6.34876	6.347489	6.215804	6.712048	6.625221	6.747929	6.347048	6.450959	6.386461	6.482811	6.42815	6.512078
NRP2	ENSG0000	-0.24871	5.953316	-2.27088	0.036058	0.080072	-5.0403	4.339825	4.377991	4.363979	4.955356	4.982309	5.019826	4.000319	4.009594	3.979442	7.713034	7.666126	7.7332	7.461314	7.466493	7.406332	7.446447	7.494379	7.467101
CREB1	ENSG0000	0.163018	5.536074	2.677812	0.015629	0.041461	-4.15034	5.272612	5.201677	5.261389	5.583994	5.36339	5.528939	5.668911	5.6164	5.581106	5.666054	5.627733	5.636065	5.785607	5.72965	5.751886	5.546516	5.697845	5.706224
KLF7	ENSG0000	-0.61534	5.030337	-5.81301	1.86E-05	0.000205	2.59204	5.163648	5.003727	5.079193	4.209199	3.99943	4.454215	4.000319	3.698786	4.132351	5.966378	6.078893	5.941884	5.597352	5.554375	5.697974	5.548343	5.674845	5.680517
B4GALT6	ENSG0000	0.260779	3.159812	1.545132	0.140228	0.232078	-5.38468	4.949597	4.917869	5.022058	5.020445	4.917027	4.814227	5.315037	5.164994	5.408147	2.18395	2.115463	2.021603	1.121891	1.528499	1.550722	1.970607	1.851139	2.174206
C1orf54	ENSG0000	-0.4311	0.28174	-1.68986	0.108812	0.191146	-4.71895	1.286899	1.465573	1.453818	1.688986	1.718467	1.669505	1.317361	1.301009	0.925731	1.388276	0.986408	0.993481	1.088368	0.784432	0.862212	0.789161	0.637375	1.322858
CFAP94	ENSG0000	-0.36175	-0.93933	-0.80097	0.433905	0.555116	-5.77859	0.216396	0.582935	0.219246	0.106501	0.106501	0.3528	0.106501	0.253663	0.256032	1.352446	1.029669	1.333627	2.88263	2.850343	2.95373	1.058946	1.072305	0.999041
SPCS2	ENSG0000	0.249862	6.246074	3.984077	0.000915	0.004351	-1.48932	5.691909	5.7433	5.746061	6.012406	5.842105	6.020397	6.008705	6.15961	6.162335	6.641427	6.622575	6.591136	6.378593	6.42842	6.443887	6.776536	6.69524	6.827408
USP35	ENSG0000	-0.03395	2.745108	-0.32173	0.751471	0.825864	-6.67482	2.218961	2.283367	2.109199	2.457149	2.762786	2.845893	2.376953	2.147141	1.674905	3.552807	3.313538	3.549937	3.979357	3.999514	3.916269	3.567454	3.277464	3.631427
ELOVL4	ENSG0000	0.406191	0.091849	2.534237	0.021086	0.052478	-3.29775	5.027048	4.917869	4.954444	5.468225	5.395699	5.363212	5.29153	5.469794	5.330179	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CASP8AP2	ENSG0000	0.121127	4.137528	1.39493	0.180513	0.28216	-6.08658	4.2778	4.210824	4.188143	4.082842	3.820593	4.045196	4.293266	4.282412	4.011347	4.421642	4.540416	4.289577	3.870167	4.034047	3.767168	4.62683	4.555551	4.665927
HMGN3	ENSG0000	0.308088	5.603138	2.633455	0.017152	0.044523	-4.2544	4.688657	4.511888	4.458888	5.363409	5.248674	5.327654	5.248226	5.348128	5.470686	5.837849	5.909748	5.866538	6.79503	6.771466	6.855996	5.940756	5.873097	5.950669
UBE3D	ENSG0000	0.126261	2.259322	1.127476	0.274782	0.391999	-5.94473	2.021155	2.232543	1.888281	2.577385	2.078331	2.317553	2.303642	2.451551	1.918715	3.013555	2.714733	2.883807	2.986372	2.850343	2.895043	2.843302	2.95995	3.021085
CNR1	ENSG0000	-0.73526	-1.40531	-3.65048	0.001905	0.007792	-1.24047	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.18395	2.095243	1.986992	2.566893	2.326537	2.276326	1.286141	1.478665	1.273688
ANKRD13C	ENSG0000	0.557786	5.533192	4.027165	0.000832	0.004041	-1.2817	4.803168	4.901694	4.781616	5.468225	5.287935	5.359696	6.020192	5.983638	5.956488	5.552212	5.568461	5.537862	6.019248	6.002404	5.929063	5.66576	5.744615	5.612936
PHF3	ENSG0000	0.11929	5.75654	1.885215	0.076138	0.144629	-5.62597	5.346988	5.39028	5.597531	6.077576	6.015855	6.113125	5.582443	5.689327	5.70008	5.667877	5.865664	5.678708	5.996837	6.026902	6.0375	5.752314	5.759266	5.817625
PLAGL1	ENSG0000	0.227373	0.678553	0.671975	0.510386	0.62565	-5.73207	3.313074	3.310847	3.544167	4.290615	4.408574	4.420855	3.370387	3.646467	3.721038	0.483018	0.259702	0.34382	0.234608	0.345231	0.186984	0.326864	0.433238	0.409347
FBXO30	ENSG0000	-0.00757	5.272734	-0.04689	0.963135	0.976331	-7.19941	6.624189	6.679772	6.62042	5.388282	5.399687	5.203674	6.729006	6.644495	6.665144	4.573314	4.529155	4.444286	4.312636	4.363157	4.25646	4.466031	4.414575	4.444998
TNFAIP3	ENSG0000	0.074697	6.780783	0.571224	0.57512	0.683067	-7.07186	9.27052	9.329859	9.372884	9.078798	9.012386	9.026453	9.693446	9.595276	9.621214	4.721121	4.784095	4.852633	4.037603	3.896925	3.886451	4.258497	4.348284	4.014786
AKAP7	ENSG0000	-0.73804	-0.9317	-2.17334	0.043768	0.093405	-3.86091	3.361722	3.222448	3.334887	2.325974	2.117603	2.288255	2.667326	2.702788	2.408535	0.190076	0.106501	0.16959	0.106501	0.190544	0.106501	0.106501	0.106501	0.214669
RAB32	ENSG0000	-0.2418	5.001065	-4.40991	0.00036	0.002073	-0.28728	5.463015	5.452673	5.620809	5.730596	5.707014	5.699996	5.253102	5.298133	5.211591	4.493314	4.517806	4.618325	4.943391	4.976997	4.897167	4.410866	4.268595	4.335451
SGK1	ENSG0000	0.219033	4.646596	1.471993	0.158801	0.25581	-5.73066	6.859408	6.850648	6.859887	6.948306	6.854888	7.049345	7.17033	7.286496	7.217906	2.918737	2.877496	2.93917	2.479079	2.50126	2.34809	2.432936	2.254246	2.442395
RNF146	ENSG0000	-0.01344	4.483068	-0.16141	0.873623	0.915129	-7.02528	5.1077	5.084762	5.010354	4.851861	4.795153	4.93257	4.8959	5.103252	5.146036	3.991785	4.008408	4.104202	4.268416	4.331113	4.179864	3.98397	4.029668	4.108904
CCN2	ENSG0000	0.332502	6.100212	1.147136	0.266787	0.383087	-6.64074	6.951681	6.66667	6.667134	6.827712	6.81662	6.731979	7.689652	7.85487	7.997242	5.346754	5.217293	5.39172	5.45336	5.503938	5.547959	4.630284	4.377068	4.646745
FBXL5	ENSG0000	0.018633	6.310208	0.179504	0.859606	0.905709	-7.36833	6.547407	6.579116	6.507006	7.106565	7.136387	7.066704	6.550384	6.647826	6.513727	5.994256	5.934144	5.968739	5.830653	5.784769	5.861701	5.939365	6.008036	5.960412
MED28	ENSG0000	-0.06702	6.594068	-0.87289	0.394558	0.516183	-7.07134	6.514168	6.498057	6.541298	6.171319	5.992279	6.127672	6.357843	6.415505	6.474207	6.885036	6.825684	6.823435	6.954124	7.006996	6.956279	6.853916	6.763145	6.814573
SLC16A7	ENSG0000	0.551976	4.195402	2.670657	0.015866	0.041932	-3.92322	3.114469	3.547555	3.090013	3.977507	3.901574	4.053927	4.825625	4.849227	4.90124	4.553726	4.648439	4.447471	4.568067	4.488812	4.660464	4.357681	4.559742	4.520707
RXYLT1	ENSG0000	0.028392	5.21376	0.547474	0.590976	0.695297	-7.06093	5.482394	5.541478	5.443586	5.743505	5.507103	5.471446	5.624444	5.567996	5.581106	4.98955	4.893523	4.961372	5.034222	5.029288	5.003776	4.978075	4.877699	4.849107
ZNF430	ENSG0000	-0.16522	3.489731	-1.8547	0.080589	0.151408	-5.31969	3.19722	3.286138	2.966237	2.91067	2.605925	2.675323	2.981245	3.196885	3.00245	4.395472	4.309807	4.235316	4.410831	4.398927	4.389961	4.156784	4.156841	4.087723
VAMP8	ENSG0000	-0.3597	5.735132	-6.09733	1.05E-05	0.000133	3.086864	4.892796	4.945746	4.720675	4.93299	5.019069	4.965334	4.496094	4.690335	4.732845	6.73397	6.678858	6.797455	7.074579	7.019976	7.14124	6.382946	6.329738	6.292079
DCLRE1B	ENSG0000	-0.19578	3.550909	-2.14493	0.046283	0.097617	-4.8428	3.827767	3.82133	3.678418	2.714828	3.073582	2.924168	3.277716	3.285084	3.528681	4.468423	4.322908	4.48516	3.409264	3.310934	3.126936	4.496632	4.211138	4.323421
MYL12B	ENSG0000	-0.21644	8.41133	-1.96446	0.06558	0.128499	-5.77208	8.458674	8.431547	8.410531	7.895772	7.863405	7.870785	7.998506	8.037364	8.035888	8.664829	8.550714	8.652273	8.942794	8.981047	8.968197	8.539816	8.610102	8.572877
FOXO3	ENSG0000	-0.11846	4.673063	-2.13916	0.04681	0.098481	-5.09869	3.65311	3.382531	3.477724	3.887325	3.855857	3.643939	3.539581	3.711575	3.614278	5.806744	5.770051	5.917969	6.087648	6.029757	6.128197	5.692441	5.629711	5.644707
ARMC2	ENSG0000	0.266451	0.563878	0.935315	0.36237	0.484123	-5.63657	1.475543	1.551021	1.585853	1.519216	1.953662	1.422231	1.648695	1.549165	1.445026	0.669294	0.799097	0.884879	1.667235	1.560439	1.900186	1.320757	0.924142	0.805046
RPN2	ENSG0000	0.20845	9.1629	2.638036	0.016988	0.044221	-4.53933	9.517117	9.543325	9.526632	10.09997	10.06494	10.08782	9.83676	9.79737	9.816894	8.534991	8.453544	8.500085	8.459157	8.435431	8.464646	8.651754	8.603266	8.590553
TGIF2	ENSG0000	0.157532	4.627652	2.278612	0.035504	0.079125	-4.76555	4.12413	4.281283	4.242513	4.647264	4.573001	4.549901	4.583863	4.526303	4.527529	4.977839	4.887657	4.961372	4.873768	4.872735	4.788509	4.964456	4.968764	5.03025
PKD2	ENSG0000	0.194343	4.758532	1.392494	0.181236	0.282981	-6.12823	4.473109	4.663476	4.715879	5.615935	5.732536	5.852905	4.825625	4.955186	4.989319	4.472601	4.483212	4.398932	4.565023	4.623418	4.772296	4.454386	4.460128	4.617485
ABCG2	ENSG0000	-0.31849	4.633443	-2.53008	0.021268	0.052765	-3.92607	7.664356	7.660808	7.635545	6.759444	6.632311	6.684979	7.395415	7.516149	7.401671	2.943032	2.841532	3.125724	1.818016	2.169719	1.876113	2.229352	2.078458	2.200755
SPP1	ENSG0000	-0.44744	8.452107	-3.73888	0.001568	0.006683	-2.10252	10.99909	10.9697	10.96446	10.42734	10.37149	10.40933	10.84875	10.83627	10.8646	6.904498	6.862788	6.969087	5.756555	5.748835	5.661468	5.868013	5.940538	5.942826
STBD1	ENSG0000	-0.04592	1.340503	-0.34303	0.73567	0.81371	-6.28129	1.475543	1.420874	1.453818	1.519216	2.078331	1.575618	1.317361	1.367163	1.445026	2.14259	1.851833	2.355887	2.412911	2.344993	2.294605	2.055273	2.212266	2.06284
CCNI	ENSG0000	0.114847	7.533862	3.000735	0.007859	0.023976	-3.70423	7.580775	7.606956	7.595634	7.79861	7.730388	7.792739	7.816129	7.827961	7.798244	7.248256	7.31912	7.327851	7.45393	7.460158	7.459448	7.348142	7.286937	7.304492
RARRES1	ENSG0000	1.316117	0.664687	2.675772	0.015696	0.041569	-3.08358	0.814199	0.106501	0.756332	2.21912	2.520598	2.719893	1.816207	1.760835	1.0941	1.158593	0.941811	0.921995	2.649667	2.837366	2.95373	1.099384	1.478665	0.93723
MFSD1	ENSG0000	0.304327	5.16331	2.058979	0.054717	0.111286	-5.23135	4.478633	4.543506	4.124423	5.569568	5.554381	5.649047	5.228555	5.246342	5.188519	5.242946	5.438064	5.28358	5.464835	5.481175	5.469685	5.217339	5.193075	5.33891
RAB3GAP2	ENSG0000	0.186368	6.062771	3.465124	0.002862	0.01084	-2.54494	6.16256	6.16356	6.126398	6.728936	6.722639	6.690588	6.247331	6.446436	6.395797	5.575711	5.703153	5.574748	5.956761	5.852446	5.902495	5.789862	5.788131	5.715459
EEF2KMT	ENSG0000	0.309543	4.656277	3.970335	0.000943	0.004466	-1.25099	4.357924	4.299916	4.400306	4.927344	4.770725	4.844735	4.479546	4.637703	4.647437	4.623032	4.675929	4.768526	4.871306	4.749998	4.769032	5.102661	5.012228	4.930673
PPL	ENSG0000	-0.02644	4.414714	-0.11736	0.907914	0.939101	-7.38148	3.408783	3.370829	3.104764	1.104644	1.087782	0.909432	0.886508	0.726566	0.735084	7.643853	7.569123	7.563372	8.561578	8.434623	8.501503	7.729332	7.770515	7.791373
UBN1	ENSG0000	0.557048	6.779305	11.17367	2.19E-09	1.97E-07	11.70145	6.392134	6.46679	6.467605	6.9343	6.890752	6.96391	7.213499	7.138087	7.128602	6.481647	6.440218	6.450559	6.90141	6.920424	6.894705	6.878813	6.848696	6.863166
KLF12	ENSG0000	0.427288	2.151193	2.123038	0.04831	0.100966	-4.41235	2.080492	2.152784	2.37563	2.393052	2.490996	2.317553	2.058296	2.029503	2.087859	2.14259	1.967585	1.969371	3.36795	3.552417	3.608189	2.524879	2.618024	2.742606
UCHL3	ENSG0000	-0.31367	1.324076	-2.21022	0.04069	0.088252	-4.14663	1.894617	1.81559	2.248556	1.634586	1.666451	1.310092	1.459147	1.367163	1.564539	2.033684	2.115463	2.243088	1.935792	1.793303	1.667532	2.115663	2.030948	2.119598
HS1BP3	ENSG0000	-0.1217	5.162131	-1.57102	0.134104	0.224263	-5.92638	5.745596	5.863	5.872121	6.092789	6.156841	6.210048	5.61311	5.612996	5.623012	4.493314	4.205202	4.246333	5.088219	5.026432	4.97856	4.336692	4.2788	4.317368
LDAH	ENSG0000	-0.10246	5.351137	-2.22697	0.039359	0.085858	-4.95583	5.83014	5.811984	5.7295	5.521661	5.751385	5.637476	5.736627	5.669801	5.653661	5.215784	5.147822	5.191584	4.941045	4.944083	4.929692	5.062316	5.030462	5.184529
WDR35	ENSG0000	-0.01922	5.202695	-0.13724	0.892413	0.928211	-7.13308	6.239421	6.188775	6.269099	6.004384	5.824412	6.024845	6.25221	6.260962	6.315012	4.192583	4.335892	4.159641	4.607058	4.725555	4.752597	4.052512	3.992947	4.335451
ELL2	ENSG0000	0.408744	7.28362	3.454504	0.002929	0.011022	-2.70734	7.109568	7.178928	7.132437	8.102798	8.011487	8.046754	7.851122	7.919679	7.871057	6.806109	6.886514	6.918904	6.91999	6.815145	6.917736	6.917494	6.96702	6.914191
DNAH7	ENSG0000	0.00628	0.034507	0.027946	0.978022	0.985634	-6.03266	0.814199	0.499412	0.512639	1.256461	1.087782	1.123626	0.548589	0.387194	0.39151	1.028404	0.986408	1.027938	2.842976	2.565626	2.647333	1.099384	1.368306	0.93723
CYP20A1	ENSG0000	0.238903	5.016864	1.68635	0.109495	0.19192	-5.71732	5.227386	5.349122	5.287484	6.412686	6.147385	6.382847	5.872748	5.807211	5.934468	4.355303	4.327249	4.37236	4.53734	4.596713	4.41524	4.031767	4.106163	4.094818
NDUFB3	ENSG0000	-0.01755	5.801759	-0.33393	0.742404	0.818692	-7.27944	6.057576	6.065329	5.916691	5.996317	5.845033	5.850401	6.028748	6.166593	6.004837	5.718015	5.633002	5.782	5.538057	5.68869	5.716735	5.621323	5.6177	5.666299
GTF3C3	ENSG0000	-0.59105	6.436276	-5.22893	6.23E-05	0.000521	1.233946	7.533783	7.561992	7.482999	6.344419	6.283111	6.516764	6.660922	6.76748	6.717662	6.292517	6.226791	6.21666	5.911951	6.011098	5.962316	5.814363	5.946952	5.930982
SATB2	ENSG0000	0.137099	4.412688	1.297427	0.211349	0.318814	-6.12519	5.128936	5.168263	5.16263	5.499001	5.550798	5.608136	5.356409	5.364416	5.283036	3.702624	3.774119	3.669344	3.36795	3.528394	3.486261	3.762638	3.728346	3.761956
UBE2B	ENSG0000	0.1221	6.028146	2.469652	0.024091	0.058286	-4.63069	6.265223	6.165255	6.126398	6.0017	5.839171	5.857899	6.295396	6.399788	6.319266	6.002949	5.881985	5.995103	5.858265	5.893775	5.852476	6.067194	6.038386	6.058025
TRPM6	ENSG0000	-0.45646	0.025719	-1.70513	0.105878	0.186822	-4.60047	3.17016	3.417081	3.119366	2.633943	2.787348	2.605775	2.806512	3.043491	2.530983	0.269074	0.524532	0.34382	0.171976	0.190544	0.186984	0.393424	0.358227	0.214669
GDA	ENSG0000	0.94121	2.892889	2.159018	0.04502	0.095391	-3.96601	9.017706	9.063866	9.066171	9.633304	9.470464	9.556435	10.07724	10.02926	10.02348	0.190076	0.330605	0.230035	0.234608	0.26996	0.106501	0.106501	0.106501	0.106501
KLF9	ENSG0000	1.311597	3.607285	8.037453	2.82E-07	7.83E-06	7.084956	2.051128	2.09705	1.954926	4.510463	4.493129	4.568299	3.866715	3.724251	3.783962	3.186323	3.517242	3.195594	4.72355	4.707838	4.775553	4.175819	4.023613	4.286716
TJP2	ENSG0000	0.171726	6.170957	1.247351	0.228724	0.339397	-6.66084	5.665509	5.754602	5.623372	4.746789	4.7142	4.803913	5.982519	5.913422	5.889394	6.873232	6.829514	6.828331	6.972616	7.019258	6.956279	7.001245	6.970173	6.972169
ITGB1BP1	ENSG0000	0.120558	5.58938	2.102809	0.050256	0.1041	-5.23382	5.724825	5.822762	5.796906	5.580401	5.72937	5.727543	5.726144	5.761822	5.683673	5.384942	5.34694	5.435695	5.461566	5.54043	5.483693	5.742772	5.649508	5.565205
CPSF3	ENSG0000	-0.19111	5.998346	-3.20028	0.005103	0.017155	-3.14957	6.003031	5.81846	5.957896	5.70112	5.596688	5.686023	5.531176	5.528791	5.530627	6.285409	6.328814	6.349456	6.401807	6.408816	6.443887	6.296455	6.235953	6.293621
PIGZ	ENSG0000	-1.07416	0.503864	-4.94816	0.000113	0.000833	1.378339	1.642349	1.591918	1.585853	1.256461	1.164793	1.367251	0.415731	1.15884	1.01237	1.676063	1.644832	1.514616	1.420179	1.766169	1.355599	1.214313	1.118494	0.999041
SENP5	ENSG0000	-0.28571	5.656568	-4.98299	0.000105	0.000787	0.766634	5.786261	5.772502	5.780922	5.122798	5.287935	5.207592	5.282018	5.25073	5.355259	6.112774	6.078893	6.045377	5.821756	5.845981	5.803856	5.902702	6.001889	5.898914
CCDC92	ENSG0000	0.135986	4.038592	0.92447	0.36783	0.489626	-6.40748	4.785446	4.83937	4.966609	5.241304	5.166794	5.159862	4.751751	4.61746	4.751857	2.804042	2.900983	2.7037	3.988472	3.927863	3.904416	3.374993	3.267249	3.466183
C1orf198	ENSG0000	0.001382	5.704552	0.020161	0.984143	0.990029	-7.34886	5.682365	5.55188	5.625931	5.416768	5.334513	5.341983	5.54317	5.514266	5.269907	5.841085	5.919844	5.890143	6.066283	6.069144	6.108959	6.023205	6.04886	5.952623
HEATR1	ENSG0000	-0.17847	7.339278	-5.45395	3.89E-05	0.000366	1.638064	7.921253	7.968517	7.983609	7.956629	7.875627	8.026382	7.765837	7.795295	7.737544	6.888168	6.847758	6.872848	6.871543	6.834867	6.81543	6.713616	6.660538	6.749751
PTBP3	ENSG0000	0.401728	7.166749	4.680963	0.0002	0.001301	-0.05494	6.134836	6.122277	6.210636	6.643705	6.523209	6.626187	6.794021	6.984545	6.82479	7.811576	7.869555	7.786688	7.580265	7.616932	7.669241	7.971536	7.993311	8.045935
RAD23B	ENSG0000	-0.10913	8.500786	-2.11455	0.049118	0.102223	-5.51777	8.790865	8.766808	8.758032	8.092745	8.008225	8.031364	8.557744	8.598359	8.550625	8.690168	8.634763	8.692602	8.316018	8.302459	8.346148	8.639594	8.61439	8.698412
FKBP15	ENSG0000	-0.00956	6.235563	-0.21491	0.832327	0.885385	-7.38027	6.32931	6.355404	6.303073	6.36336	6.163893	6.269353	6.4068	6.236837	6.367315	6.183306	6.165079	6.194078	6.241396	6.226732	6.314389	6.209072	6.138449	6.127131
CTNNAL1	ENSG0000	-0.07977	7.203793	-0.36742	0.717716	0.800002	-7.27781	9.183127	9.190763	9.15854	9.783636	9.646086	9.657637	9.357117	9.465865	9.42765	5.728536	5.50665	5.658231	4.53734	4.54975	4.569568	4.799373	4.930438	4.98132
ABITRAM	ENSG0000	1.010908	5.06894	16.43121	4.56E-12	2.10E-09	17.94217	4.029438	3.7953	3.792147	4.63346	4.580048	4.460795	5.055139	4.992342	4.989319	5.138995	5.174568	5.204822	5.992313	6.056601	6.010109	6.120972	6.032367	6.095646
DYNC2I2	ENSG0000	-0.25488	6.582154	-3.55263	0.002362	0.009252	-2.45682	6.848782	6.779404	6.91009	6.329513	6.375108	6.263719	6.426359	6.314337	6.302172	6.756422	6.658331	6.83868	6.574426	6.668983	6.614559	6.763226	6.729127	6.606939
SET	ENSG0000	0.371846	9.151714	8.604491	1.08E-07	3.80E-06	7.553607	8.740592	8.735495	8.68721	9.009682	8.935148	8.996196	9.169009	9.186716	9.132091	9.263213	9.242538	9.27536	9.173234	9.26877	9.252764	9.534621	9.570445	9.605712
PTPA	ENSG0000	0.11472	7.585157	3.554271	0.002353	0.009228	-2.54091	7.474879	7.419448	7.45952	7.412663	7.507367	7.326546	7.583315	7.513412	7.561961	7.674104	7.657102	7.656817	7.738902	7.656721	7.667489	7.805401	7.776829	7.780413
GLE1	ENSG0000	-0.62908	6.357125	-11.4505	1.50E-09	1.50E-07	12.10609	6.803275	6.941466	6.8761	5.927278	5.93572	5.90932	6.062473	6.182756	6.114173	6.80859	6.781286	6.876398	6.151938	6.268422	6.197832	6.365436	6.267043	6.293621
RAB14	ENSG0000	0.12331	7.612344	2.359405	0.03017	0.069443	-5.00211	7.426389	7.354827	7.392724	7.591984	7.463269	7.552056	7.701295	7.743309	7.657472	7.750942	7.744493	7.738086	7.617096	7.676439	7.638713	7.724088	7.65186	7.734589
CNTRL	ENSG0000	-0.63045	4.162024	-8.18379	2.19E-07	6.49E-06	7.214821	4.333741	4.243278	4.370098	3.123142	3.188693	3.292047	3.866715	3.564249	3.60036	5.136363	5.235883	5.119519	4.515435	4.53375	4.6463	4.563199	4.592839	4.607598
TRIM32	ENSG0000	0.257683	5.126506	2.560436	0.019971	0.050275	-4.29258	5.411954	5.438728	5.587063	4.949796	5.190008	5.203674	5.715585	5.653324	5.62645	4.64911	4.745694	4.729802	5.003078	5.090728	4.975731	5.064871	4.914163	5.105943
FBXW2	ENSG0000	-0.04474	7.045098	-1.37353	0.186949	0.289394	-6.54101	7.293213	7.261261	7.301231	7.346511	7.310655	7.364766	7.175477	7.327574	7.264985	6.843694	6.840184	6.754375	6.878915	6.879862	6.920681	6.772634	6.731915	6.749751
PHF19	ENSG0000	0.187464	5.721309	0.744094	0.466706	0.58654	-7.05812	5.868521	5.865087	5.848213	6.067345	6.039053	6.158358	6.316513	6.353622	6.415803	6.19726	6.017092	6.0621	4.171694	4.344933	4.035179	5.928183	5.959694	5.930982
NEK6	ENSG0000	-0.17892	7.412764	-1.48108	0.156388	0.252686	-6.4495	7.208473	7.279371	7.267214	6.815537	6.837352	6.745516	7.116495	7.014526	7.017779	7.703733	7.71829	7.713488	8.202605	8.127608	8.134461	7.610636	7.54176	7.53909
BSPRY	ENSG0000	-0.1361	1.300617	-1.04478	0.310359	0.430045	-6.54046	0.41387	0.875715	0.323815	0.106501	0.106501	0.3528	0.269385	0.253663	0.106501	5.104407	5.24967	5.219804	5.45336	5.458046	5.393294	5.09268	5.19577	5.022829
PPP6C	ENSG0000	0.042369	6.943338	0.815404	0.425814	0.547717	-7.14975	6.847715	6.877775	6.712382	6.773673	6.630615	6.760261	6.984915	7.01065	7.000662	7.074271	7.132057	7.099856	7.058439	7.073529	7.081963	7.026368	7.018932	7.034378
NDUFA8	ENSG0000	-0.31769	6.280411	-6.54624	4.35E-06	6.70E-05	3.958141	6.741426	6.815465	6.759754	6.266066	6.334017	6.213949	6.378072	6.565688	6.460789	6.317124	6.239513	6.32455	6.015908	6.029757	6.014251	5.975118	5.946952	5.998741
HDHD3	ENSG0000	-0.25987	4.218404	-5.09275	8.30E-05	0.000655	1.203542	3.551922	3.505362	3.477724	3.605613	3.878897	3.548316	3.258446	3.250449	3.421943	5.180457	5.105486	5.085161	5.391139	5.32724	5.393294	4.805497	4.864208	4.922721
RBM18	ENSG0000	0.399608	5.944324	5.309972	5.25E-05	0.000457	1.458606	5.806172	5.827051	5.688471	6.115311	6.071915	6.070736	6.34876	6.465436	6.464636	5.655065	5.701482	5.721443	5.997966	5.890637	6.029337	5.86068	5.883166	5.838909
HSDL2	ENSG0000	-0.19375	5.734152	-2.08042	0.052492	0.107718	-5.26163	6.679208	6.71491	6.634467	6.009737	5.859584	6.106845	6.475171	6.588399	6.559406	5.24539	5.290258	5.28001	4.931624	5.10974	5.229565	5.036515	4.965609	5.055925
MAPKAP1	ENSG0000	-0.16945	7.090982	-2.62781	0.017356	0.044946	-4.43796	7.119328	7.216192	7.149433	6.812478	6.906253	6.933481	6.968703	6.93633	6.909066	7.171295	7.168197	7.233657	7.404985	7.377965	7.305724	7.119634	7.062409	7.039902
NR4A3	ENSG0000	2.988202	3.205614	7.111595	1.49E-06	2.94E-05	5.455664	4.495082	4.281283	4.294909	6.701082	6.59801	6.703131	7.602547	7.422025	7.58069	1.158593	1.435603	0.993481	1.365252	1.203912	0.957066	1.250674	1.2488	0.93723
INVS	ENSG0000	0.062005	3.858459	0.707832	0.488382	0.606295	-6.60855	4.186225	4.429669	4.235828	4.569652	4.573001	4.592471	4.411387	4.09991	4.380548	3.552807	3.576789	3.262236	3.735884	3.520297	3.533199	3.485915	3.579432	3.611778
GALNT12	ENSG0000	-0.17047	4.965301	-0.82798	0.418847	0.540708	-6.83405	5.549554	5.469231	5.486458	4.562385	4.529983	4.809079	5.157514	5.319175	5.174497	4.645413	4.651904	4.806238	5.418375	5.341097	5.352435	4.657623	4.710599	4.607598
DENND1A	ENSG0000	0.087606	5.556873	1.404154	0.177793	0.278889	-6.27641	6.306192	6.325403	6.389943	6.112826	5.943937	6.057773	6.483493	6.328935	6.30002	4.930021	4.872886	4.842989	4.982695	4.907298	4.76576	5.08263	5.009167	5.011626
ALG2	ENSG0000	-0.02663	6.510026	-0.36298	0.72097	0.802312	-7.38125	6.835926	6.837953	6.789732	6.185579	6.101599	6.172458	6.753301	6.755179	6.732095	6.5195	6.452192	6.573019	6.393252	6.351779	6.415981	6.556373	6.52992	6.521324
KDSR	ENSG0000	0.069477	5.443403	0.895183	0.382852	0.504483	-6.82722	5.77508	5.798943	5.762434	6.125209	6.145011	6.094204	6.122326	6.020078	6.071932	5.032639	5.048786	5.103452	4.938696	5.000472	4.950015	4.874113	4.801884	4.969789
VPS4B	ENSG0000	-0.10659	6.215025	-1.67124	0.112483	0.19577	-6.0404	6.383325	6.396385	6.344057	6.13504	6.091772	6.072885	6.212706	6.316432	6.284872	6.269886	6.156567	6.21666	6.307533	6.391163	6.311026	6.07988	6.10586	6.154551
ONECUT2	ENSG0000	-0.32305	2.093742	-1.6369	0.11953	0.205363	-5.15653	2.917019	2.636038	2.621113	3.06262	2.811499	2.805104	2.446718	1.988058	1.873138	2.163418	2.338281	2.485514	2.044674	2.084417	2.07955	2.464239	2.274787	2.397196
C19orf25	ENSG0000	0.10202	4.481285	1.99365	0.062035	0.123025	-5.23453	4.10996	4.043996	4.145977	4.479932	4.485643	4.337497	4.215456	4.060466	4.252911	4.660143	4.706242	4.786248	5.117597	4.965115	5.034009	4.882828	4.847164	4.740203
ZBTB45	ENSG0000	0.069945	3.985695	1.033182	0.315604	0.435281	-6.46951	3.643304	3.608619	3.533304	3.80351	4.040879	3.848471	3.617275	3.40015	3.771595	4.242376	4.369954	4.466439	4.583188	4.577331	4.591911	4.581158	4.419196	4.353311
YLPM1	ENSG0000	-0.08436	7.053666	-2.17739	0.04342	0.092872	-5.29892	6.798865	6.86636	6.942271	6.714257	6.606662	6.833078	6.838498	6.812694	6.814277	7.464563	7.433765	7.376712	7.310018	7.185294	7.239453	7.333383	7.28314	7.317439
DCAF4	ENSG0000	-0.26997	4.417105	-3.049	0.007083	0.022072	-3.188	4.527427	4.354415	4.453135	4.152252	4.249727	4.264152	3.928981	3.809996	3.879258	4.678347	4.716207	4.737631	4.933985	5.180814	5.028559	4.602417	4.613145	4.665927
FCF1	ENSG0000	-0.11062	6.151801	-1.61453	0.12432	0.211713	-6.1383	5.885257	5.902145	5.891391	5.587578	5.654575	5.522662	5.61311	5.669801	5.773239	6.596185	6.514426	6.603327	6.764843	6.753445	6.797116	6.543607	6.475502	6.578118
PGF	ENSG0000	1.113981	2.094239	9.351918	3.21E-08	1.57E-06	9.214483	1.384302	1.708084	1.921989	0.934951	1.006428	1.188496	2.779728	2.069791	2.127218	3.591745	3.232543	3.346558	2.28558	2.21055	2.07955	4.640597	4.423801	4.292899
IFI27L2	ENSG0000	0.465201	4.520241	6.461659	5.12E-06	7.59E-05	4.062402	4.495082	4.318312	4.242513	5.156973	5.059965	5.097889	4.758625	4.866483	4.889843	4.109157	3.975599	4.132188	4.728999	4.642195	4.670996	4.694387	4.2788	4.428245
BBOF1	ENSG0000	0.313551	1.74381	2.004261	0.060789	0.121111	-4.51895	1.602421	1.465573	1.585853	2.21912	2.429905	2.402038	1.762502	1.231675	1.50602	2.033684	1.827525	1.800268	3.557503	3.552417	3.396027	2.192442	2.410923	2.174206
NEK9	ENSG0000	0.014005	6.951975	0.274491	0.786925	0.85116	-7.44914	6.856229	6.883963	6.857712	6.915886	6.825541	6.83181	6.984915	6.948536	6.913294	6.935101	7.039851	6.974066	7.141486	7.201843	7.218664	6.996569	6.911533	6.915194
ACYP1	ENSG0000	-0.36586	3.216929	-3.58043	0.002222	0.008783	-1.86058	3.43175	3.483793	3.39613	2.457149	2.398361	2.719893	3.296733	3.446787	3.628063	4.13575	3.997554	4.071539	3.40246	3.213858	3.085545	3.530961	3.529023	3.581792
IFT43	ENSG0000	-0.24225	4.904383	-1.98516	0.063047	0.124461	-5.32188	5.132445	5.044814	5.116065	4.59836	4.733289	4.55606	4.659269	4.722281	4.831463	4.977839	4.992502	4.983487	5.469725	5.425898	5.393294	4.859472	4.897703	4.780362
NPC2	ENSG0000	0.242779	6.004013	3.017893	0.007574	0.02328	-3.55025	4.199669	4.256058	4.145977	5.506594	5.34696	5.331249	4.799197	4.644388	4.680887	7.095425	7.023225	7.13979	7.59302	7.589138	7.648961	7.20492	7.264004	7.218598
DNAL1	ENSG0000	-0.01651	4.477646	-0.28217	0.781127	0.84689	-7.1068	4.351916	4.354415	4.43574	4.072648	3.901574	3.907468	4.496094	4.569092	4.355908	4.886838	4.964909	4.976888	4.707079	4.604394	4.591911	4.77149	4.897703	4.96205
IRF2BPL	ENSG0000	0.391589	5.77837	5.227678	6.25E-05	0.000522	1.255817	5.053202	5.048491	5.3383	4.87551	5.190008	4.923071	5.665257	5.392484	5.612649	6.099326	6.248696	6.426546	6.293811	6.295956	6.188087	6.77965	6.654673	6.455328
ACOT2	ENSG0000	0.454005	4.0014	4.716259	0.000186	0.001233	0.469128	2.949211	3.07157	3.176339	3.966538	4.1009	4.170914	3.33403	3.214961	3.513908	4.276236	4.327249	4.469576	4.914988	4.982902	4.897167	4.917167	4.758787	4.819433
LTBP2	ENSG0000	0.340793	4.85562	2.295655	0.034311	0.077069	-4.83332	4.569455	4.517206	4.595711	3.714523	3.901574	3.848471	4.245129	4.119235	3.968647	5.235589	5.372368	5.214204	5.771154	5.841114	5.794253	5.925374	5.886506	5.938889
AREL1	ENSG0000	-0.15773	6.611093	-4.47028	0.000316	0.00187	-0.46194	6.05942	6.043381	5.947704	5.982771	6.051781	5.982028	5.879071	5.783182	5.767022	7.348289	7.367869	7.260168	7.410506	7.439373	7.379825	7.225619	7.167755	7.208004
MLH3	ENSG0000	-0.0848	4.674598	-0.86065	0.401086	0.522755	-6.81246	4.206344	4.197635	3.947516	4.479932	4.301803	4.467345	3.828023	3.967564	4.032233	5.445717	5.491258	5.416316	5.174616	5.040655	5.087406	5.36976	5.428995	5.383047
TTLL5	ENSG0000	0.483004	4.323547	7.871829	3.77E-07	9.93E-06	6.674428	3.183753	3.472886	3.466347	4.272916	4.222966	4.218286	3.916741	3.913244	3.90213	4.588795	4.662249	4.60982	5.298892	5.104334	5.305888	5.046891	5.02441	5.063177
FLVCR2	ENSG0000	-0.18354	3.119528	-1.64306	0.118237	0.203659	-5.55819	2.137484	2.71221	2.661582	2.999448	2.948483	2.719893	1.966276	2.108984	1.962896	4.082065	4.228596	4.231625	4.234338	4.190213	4.21867	4.108069	4.140146	4.073428
ABCD4	ENSG0000	0.176611	4.68302	1.409914	0.176112	0.276831	-6.19782	3.86199	3.777682	3.828148	4.052041	4.213935	4.146631	4.496094	4.664259	4.694053	5.185557	5.145366	5.225382	5.626839	5.574066	5.650865	5.044304	5.057388	5.174518
DLST	ENSG0000	0.14781	7.242852	3.705133	0.001689	0.007077	-2.18807	7.058835	7.127696	7.039526	6.90874	7.023321	6.949945	7.266307	7.242012	7.332843	7.389203	7.336451	7.368332	7.387864	7.371228	7.356633	7.490348	7.442555	7.457501

TGFB3	ENSG0000	0.607131	2.198163	3.460763	0.002889	0.010918	-1.93803	1.561356	1.708084	1.62731	1.393812	1.817192	1.422231	2.144798	2.184314	1.962896	2.83033	2.900983	2.649405	3.928165	3.779712	4.024267	3.190769	3.37582	3.398988
ZC2HC1C	ENSG0000	-0.14677	0.379143	-0.68262	0.503797	0.61992	-5.96667	0.947665	0.8079	1.028027	0.635873	1.2379	0.746642	1.160105	0.622068	0.515351	1.91588	1.467416	1.839597	1.446877	1.819936	1.826726	1.599785	1.878239	1.703111
SLIRP	ENSG0000	-0.15374	6.016943	-3.04232	0.007186	0.022325	-3.5053	5.970071	5.981241	5.897758	5.132645	5.379635	5.257578	5.697811	5.695778	5.900795	6.693372	6.594939	6.582468	6.087648	6.167044	6.212326	6.513997	6.447504	6.525268
RBM25	ENSG0000	0.182563	6.783762	1.744028	0.098715	0.177033	-6.00045	6.148765	6.050734	6.183099	6.817065	6.810641	6.935844	6.470991	6.452163	6.495043	7.132869	7.171219	7.082031	7.005541	7.058929	7.005657	7.148827	7.191582	7.198156
ALDH6A1	ENSG0000	0.426347	3.799789	3.731667	0.001594	0.006761	-1.57845	2.762544	2.655462	2.982302	4.325376	4.030628	4.079806	3.841036	3.659726	3.586306	3.920163	4.051023	3.973292	4.734427	4.697103	4.769032	4.203908	4.100421	4.073428
EIF2B2	ENSG0000	-0.05591	6.070644	-1.45474	0.163465	0.26154	-6.36484	5.616234	5.639833	5.602736	5.479843	5.532753	5.451761	5.490461	5.477302	5.663734	6.709395	6.650558	6.803062	6.518101	6.491907	6.533189	6.663925	6.662488	6.708719
NRDE2	ENSG0000	-0.14247	4.514433	-2.48879	0.023161	0.056556	-4.33808	4.433832	4.440906	4.294909	4.440838	4.258538	4.427589	4.302704	4.444399	4.270596	4.92393	4.848932	4.740231	4.907798	4.797675	4.935528	4.61293	4.633169	4.708177
COQ6	ENSG0000	-0.08226	4.251142	-0.99549	0.333081	0.453414	-6.49753	4.749336	4.644161	4.574673	4.359318	4.594038	4.454215	4.6445	4.610649	4.428601	4.048869	4.051023	4.012537	4.348478	4.269646	4.184772	3.994729	3.93605	4.014786
RHOQ	ENSG0000	0.906805	5.432274	13.91694	6.83E-11	1.52E-08	15.27667	5.300954	5.355074	5.27123	6.810945	6.740045	6.705903	6.225168	6.247853	6.099406	4.261822	4.214605	4.136142	5.287859	5.306201	5.33267	5.067422	5.051448	5.088278
GPR75	ENSG0000	0.037445	0.819217	0.149284	0.883038	0.922279	-6.15542	1.430644	1.670392	1.453818	1.74141	1.718467	1.757653	2.01302	2.184314	1.674905	1.732907	1.851833	1.413989	0.907968	0.986036	0.910419	1.354562	1.289746	1.170016
SUPT7L	ENSG0000	-0.18975	6.204026	-3.74523	0.001547	0.006614	-1.98418	6.507427	6.412172	6.446046	6.209037	6.11379	6.164417	6.328113	6.35566	6.3632	6.222291	6.290423	6.238893	6.161037	6.066366	6.164677	5.977832	5.964444	6.050746
KLHL29	ENSG0000	-0.7204	-0.78495	-2.27061	0.036078	0.080102	-3.71216	3.551922	3.310847	3.607684	3.083078	3.457132	3.391835	2.832807	2.650616	2.869505	0.106501	0.106501	0.16959	0.106501	0.106501	0.263213	0.106501	0.106501	0.106501
DNMT3A	ENSG0000	-0.17907	4.605667	-3.17639	0.005375	0.017874	-3.00508	3.983545	3.872022	3.979882	3.80351	4.110665	4.241401	3.788265	3.736817	3.856018	5.344475	5.386997	5.454817	5.534949	5.672341	5.708238	5.203493	5.235609	5.220652
TMEM214	ENSG0000	0.31827	7.126128	4.699149	0.000193	0.001266	0.021873	6.874155	6.837953	6.855533	7.68191	7.658979	7.635128	7.347203	7.32133	7.431456	6.823389	6.829514	6.832601	7.198078	7.140433	7.120257	6.989862	6.97724	6.91118
ATAD2B	ENSG0000	0.126624	5.031121	1.650708	0.116652	0.201634	-5.85683	5.468578	5.334134	5.234814	5.363409	5.230876	5.494077	5.59402	5.708593	5.696813	4.886838	4.842882	4.776148	4.489986	4.561635	4.464508	4.717304	4.725598	4.815144
ATL2	ENSG0000	0.200857	6.375588	3.618058	0.002046	0.008216	-2.28422	6.258816	6.355404	6.225897	6.418735	6.444317	6.381113	6.666415	6.690439	6.675138	6.300766	6.363042	6.306242	6.27624	6.3253	6.337714	6.310517	6.327282	6.420456
YPEL5	ENSG0000	-0.83281	5.546373	-7.3151	1.02E-06	2.18E-05	5.586923	6.155679	6.166948	6.086081	6.436731	6.356762	6.35309	4.864381	5.178875	5.188519	5.15208	5.150274	5.191584	6.086587	6.157939	6.157205	4.55958	4.629187	4.597643
FAM98A	ENSG0000	0.08618	6.566111	2.067606	0.053812	0.109931	-5.41747	6.758559	6.837953	6.667134	6.980014	6.936766	7.038389	6.856232	6.823043	6.755833	6.229716	6.212782	6.276995	6.332804	6.356335	6.356323	6.32231	6.363693	6.373096
YIPF4	ENSG0000	-0.00034	6.187494	-0.00547	0.995695	0.996815	-7.4017	6.057576	6.134441	6.08236	6.20204	6.11136	6.057773	6.29303	6.267473	6.218085	6.306629	6.183153	6.252617	6.361153	6.423001	6.445932	6.144111	6.13424	6.067072
AFTPH	ENSG0000	-0.00765	5.975565	-0.10883	0.914581	0.94336	-7.37818	5.825812	5.896035	5.884996	5.654037	5.684306	5.622881	5.931722	6.025209	5.980865	6.18458	6.15168	6.122141	6.25751	6.262366	6.317744	6.102439	6.04886	6.034234
LGALSL	ENSG0000	-0.13536	4.309175	-1.07471	0.297118	0.416111	-6.47284	4.245758	4.424018	4.370098	4.681208	4.485643	4.549901	4.164604	4.273815	4.235006	4.73162	4.506366	4.657367	3.928165	4.062207	4.114488	4.374256	4.495561	4.602629
CNRIP1	ENSG0000	0.479672	-1.2997	2.108223	0.049728	0.103188	-3.96254	2.345296	2.152784	2.37563	2.933382	3.093416	3.136338	2.376953	2.848856	2.892531	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CRIPT	ENSG0000	-0.20736	4.286256	-1.97585	0.064175	0.126198	-5.28799	3.792713	4.036608	4.109872	3.376187	3.151334	3.548316	3.841036	3.935218	4.00079	5.006941	5.069663	5.060406	5.111351	5.120493	5.076884	4.774615	4.854006	4.775955
EPCAM	ENSG0000	0.141173	4.520469	2.022768	0.058671	0.117691	-5.50607	1.519087	1.591918	1.202741	1.519216	1.373859	0.984419	0.670238	0.726566	0.925731	8.739117	8.71584	8.675723	8.781391	8.896378	8.848807	8.906402	8.873274	8.912051
SLC17A5	ENSG0000	0.336613	4.502215	3.797024	0.00138	0.006051	-1.54157	4.527427	4.366251	4.43574	5.137544	5.039662	5.191857	5.08826	4.883536	5.03142	4.026306	4.219284	4.116262	4.376523	4.671739	4.492489	4.21775	4.333674	4.087723
OGFRL1	ENSG0000	-0.21538	6.902875	-2.36705	0.029706	0.068603	-4.95941	6.940715	6.876741	6.881464	5.540275	5.561519	5.528939	6.735989	6.81121	6.70796	7.767191	7.752181	7.76387	7.039377	7.006996	7.059425	7.404701	7.551789	7.576317
SLF2	ENSG0000	-0.16245	4.913432	-1.13072	0.273451	0.390336	-6.46662	5.406168	5.387379	5.497679	5.969096	5.930216	5.963613	5.157514	5.306587	5.243285	4.596474	4.55159	4.488257	4.102013	4.331113	4.209066	4.450484	4.313961	4.499478
IDE	ENSG0000	0.267381	5.424858	2.4551	0.024822	0.059699	-4.43648	6.367034	6.329943	6.212339	6.898677	6.860687	7.009506	6.739468	6.7017	6.665144	4.332495	4.443776	4.235316	4.17569	4.259953	4.247105	4.32821	4.268595	4.416967
ELOVL3	ENSG0000	-0.25363	-0.75646	-0.55726	0.584413	0.690277	-5.67455	1.826927	1.947501	1.818408	2.063099	1.996426	2.064596	1.525136	1.491012	1.244857	0.34397	0.185134	0.288049	0.171976	0.106501	0.335616	0.326864	0.358227	0.497646
IFIT3	ENSG0000	0.171226	4.839148	1.202123	0.24535	0.35856	-6.59296	3.236881	3.39414	3.443319	3.51817	3.656958	3.700636	3.490873	3.250449	3.373665	6.696948	6.655745	6.7912	5.487516	5.566222	5.576251	6.818775	6.913171	6.996997
IFIT2	ENSG0000	0.052588	3.575969	0.747269	0.464836	0.584709	-6.92625	1.990546	2.125186	2.221741	2.063099	1.373859	1.840725	2.058296	1.760835	2.239236	5.934924	6.006304	6.014564	4.98725	5.043483	4.891173	6.008681	6.057777	6.100942
GPAM	ENSG0000	0.047287	4.823504	0.508513	0.617452	0.71829	-6.98161	5.468578	5.418975	5.399401	5.472108	5.387689	5.324049	5.570773	5.79224	5.713073	4.557665	4.529155	4.47583	3.88976	4.062207	3.945482	4.222335	4.357943	4.274271
CUTC	ENSG0000	0.014447	4.162138	0.163903	0.871688	0.913841	-6.877	5.237197	5.231103	5.183625	5.087795	5.124043	5.159862	5.374422	5.435516	5.404147	3.536933	3.365114	3.532043	3.165832	3.301515	3.126936	3.16242	3.225651	3.107809
PPP1R3C	ENSG0000	0.456488	5.297671	2.661506	0.016173	0.042556	-3.82981	7.293213	7.185623	7.06332	8.074981	7.89906	8.025827	7.667907	7.851985	7.80963	3.206534	3.330936	3.332842	3.02232	3.054776	2.95373	3.133504	2.934355	3.241681
PYROXD2	ENSG0000	-0.44862	1.73959	-3.10519	0.006273	0.020181	-2.40856	2.707144	2.674627	2.758051	2.605941	2.460774	2.961768	2.303642	2.540248	2.560038	1.814181	1.777644	1.933468	1.897591	1.846087	1.722572	1.177011	1.581179	1.546329
CNNM1	ENSG0000	-0.22037	-0.45	-1.0902	0.290427	0.408762	-5.38317	4.165822	4.150501	4.080323	4.532944	4.594038	4.707606	3.953155	3.946081	3.733845	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MXI1	ENSG0000	0.489138	4.059822	5.295369	5.42E-05	0.000468	1.734864	3.487617	3.686213	3.597291	4.272916	4.139571	4.337497	3.733489	3.749274	3.924645	3.864012	4.127684	3.663876	4.898157	5.003379	4.848508	4.365992	4.555551	4.461559
SMNDC1	ENSG0000	-0.14269	5.372067	-2.39362	0.028144	0.065877	-4.66115	5.883176	5.770277	5.794633	5.643745	5.450555	5.513197	5.473848	5.737018	5.616111	5.391578	5.267851	5.322271	4.922141	4.965115	4.851597	5.175396	5.209172	5.365554
C10orf88	ENSG0000	0.076083	3.424377	0.54175	0.59483	0.698511	-6.53464	4.595114	4.706012	4.786199	4.525489	4.120365	4.379778	4.702691	4.765849	4.726452	2.444376	2.469748	2.382761	2.791825	2.770668	2.833866	2.639009	2.585506	2.464474
HELLS	ENSG0000	0.005719	4.306261	0.036038	0.97166	0.981724	-7.13996	4.702888	4.594711	4.676925	3.988393	3.820593	4.018682	4.730929	4.80814	4.6676	5.109782	5.074835	5.045767	2.995443	2.962168	2.833866	4.936827	4.984438	5.12686
TCTN3	ENSG0000	-0.25172	5.956766	-3.92464	0.001043	0.004842	-1.49504	6.645222	6.604321	6.603642	7.106565	7.040026	7.040587	6.304819	6.308036	6.287046	5.27918	5.316696	5.301295	5.416688	5.583812	5.457569	5.117505	5.176796	5.11644
DENND10	ENSG0000	0.721641	4.725632	10.77736	3.81E-09	3.04E-07	11.3014	4.829349	4.756352	4.874926	5.797117	5.754503	5.722075	5.59402	5.682848	5.709835	3.851231	3.780465	3.738597	4.36607	4.467913	4.427716	4.213151	4.25315	4.370952
AVPI1	ENSG0000	0.122299	5.700915	1.12525	0.275699	0.393024	-6.4022	8.16346	8.107662	8.236439	7.652268	7.73118	7.5833	8.470939	8.268049	8.39858	3.591745	3.509623	3.754117	3.374919	3.453829	3.361763	3.341669	3.449945	3.498643
WDR11	ENSG0000	0.168731	5.76874	3.271328	0.004372	0.015124	-2.88359	6.169409	6.180419	6.244333	6.767367	6.70502	6.844446	6.41117	6.438765	6.344535	4.908591	5.032928	4.909182	5.286012	5.384121	5.542234	5.041713	5.045483	5.130317
ARMH3	ENSG0000	0.191644	4.763184	3.198098	0.005127	0.017221	-2.85373	5.449012	5.458213	5.420189	5.547654	5.442845	5.619944	5.733141	5.767957	5.703339	4.003384	4.127684	4.087963	4.037603	4.062207	4.088533	4.208537	4.005291	4.087723
GOT1	ENSG0000	-0.16835	5.806705	-2.04079	0.056672	0.114446	-5.36455	6.387736	6.426375	6.388437	6.144804	6.106488	6.190386	6.288287	6.35158	6.295708	5.77326	5.71148	5.77441	4.952736	4.859959	4.87608	5.500074	5.502682	5.502565
C10orf95	ENSG0000	-0.25384	-1.27038	-0.84787	0.407969	0.529981	-5.69321	0.41387	0.215206	0.219246	0.258133	0.25478	0.106501	0.106501	0.106501	0.39151	1.315703	1.335727	1.094478	1.308151	1.462417	1.284217	1.13872	1.024588	1.461048
GNA13	ENSG0000	0.041429	6.614196	0.907521	0.376475	0.498942	-7.04038	6.408146	6.320848	6.443147	6.458425	6.313024	6.259951	6.477256	6.654464	6.47992	6.879539	6.906959	6.849558	6.75018	6.799338	6.81543	6.802028	6.832333	6.880718
KANSL1	ENSG0000	0.275775	5.629366	5.079872	8.53E-05	0.00067	0.989645	5.000411	5.134056	5.141325	5.525403	5.507103	5.547605	5.586312	5.578506	5.570437	5.769868	5.870134	5.766779	6.020359	6.058	6.018381	5.940756	5.926002	5.91704
HOXB5	ENSG0000	-0.11236	-1.77433	-0.33503	0.74159	0.818255	-5.76497	1.791852	1.508929	1.585853	2.143217	2.155834	2.5075	1.240874	1.760835	1.674905	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
DUSP1	ENSG0000	-0.01638	6.753215	-0.10963	0.913951	0.943153	-7.38064	8.254836	8.127792	8.149298	7.574932	7.702408	7.539677	8.489136	8.472997	8.503729	5.675147	5.672774	5.803293	5.490727	5.408455	5.439201	5.146741	5.23036	5.243178
PANK3	ENSG0000	-0.22412	7.077295	-5.22003	6.35E-05	0.000529	1.140266	7.355344	7.273883	7.359283	7.136235	7.062841	7.224869	7.128486	7.251895	7.13465	7.184092	7.232095	7.119462	6.784602	6.853517	6.80431	6.86422	6.871634	6.949844
MSX2	ENSG0000	-0.21215	-0.17688	-1.04104	0.312043	0.431796	-5.4467	4.664623	4.663476	4.817878	5.009799	4.992907	4.960699	4.487843	4.282412	4.66091	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RCL1	ENSG0000	-0.19537	5.626309	-3.10173	0.00632	0.020291	-3.32529	5.575566	5.685425	5.369174	4.915985	5.013874	4.864722	5.286782	5.237527	5.179186	6.208578	6.143088	6.22132	6.008086	5.921708	5.977952	6.072282	6.059258	6.099179
CAAP1	ENSG0000	0.199588	4.170562	2.829933	0.011329	0.032098	-3.5516	4.138162	4.262405	4.229112	4.3081	4.327153	4.308605	4.583863	4.519046	4.372382	4.13575	3.907656	4.03812	4.234338	4.354074	4.368551	4.194605	4.065478	4.18401
MOB3B	ENSG0000	0.111319	1.661258	0.356555	0.725693	0.805599	-6.3056	1.286899	1.915637	1.54317	1.578054	1.864131	1.880533	1.762502	1.605065	2.047395	1.787595	1.989662	1.915176	3.725018	3.552417	3.824901	1.880661	1.766644	2.119598
INSL4	ENSG0000	-0.21606	2.667222	-0.90654	0.376979	0.49945	-5.81977	5.866415	5.916304	5.916691	6.562258	6.528683	6.534028	5.729647	5.592401	5.760779	1.073118	0.462741	1.027938	0.5125	0.837535	0.862212	0.576451	0.69947	0.805046
CD274	ENSG0000	1.22996	5.20918	6.14922	9.47E-06	0.000123	3.310482	5.075249	5.066741	5.137743	5.746715	5.454395	5.578188	6.767002	6.758264	6.871895	4.809665	4.818421	4.972471	3.697489	3.752319	3.780199	5.452087	5.478535	5.428683
NUP43	ENSG0000	0.523108	4.855944	6.641667	3.61E-06	5.81E-05	4.325349	4.654895	4.639292	4.453135	4.772209	4.900234	4.844735	5.157514	5.495903	5.342774	4.7455	4.761819	4.692697	4.955062	4.944083	4.804542	5.03391	4.99066	5.144062
MTHFD1L	ENSG0000	-0.26149	6.23195	-4.45244	0.000328	0.001928	-0.43994	6.926636	6.970834	6.965692	6.20204	6.091772	6.180453	6.426359	6.563926	6.500674	6.244453	6.130724	6.16921	5.629755	5.583812	5.624013	6.138057	6.111581	6.084997
LRP11	ENSG0000	0.423238	5.910883	5.449846	3.93E-05	0.000368	1.77614	5.42632	5.384472	5.426074	6.33592	6.325656	6.410303	6.034424	6.212301	6.002193	5.506075	5.542561	5.521329	6.454562	6.555692	6.517712	5.777454	5.688306	5.736026
PCMT1	ENSG0000	0.23418	5.48804	4.688307	0.000197	0.001286	0.184073	5.752454	5.761341	5.668751	5.587578	5.575689	5.556848	5.897874	6.020078	5.96466	5.238045	5.19846	5.168603	5.150455	5.221337	5.341488	5.428474	5.356168	5.499895
PLEKHG1	ENSG0000	-0.35765	2.021143	-2.8841	0.010094	0.029297	-3.39903	0.947665	1.226787	1.088647	0.934951	0.389229	0.909432	0.415731	0.387194	0.39151	4.848768	4.669105	4.700729	5.387698	5.408455	5.418515	4.458278	4.525868	4.461559
CYSTM1	ENSG0000	0.911786	4.928818	6.511261	4.65E-06	7.08E-05	4.153641	4.95357	4.921884	4.848876	6.519742	6.476771	6.445565	5.925627	6.020078	6.038775	3.851231	3.754913	3.824415	4.260913	4.525683	4.372859	4.222335	4.391248	4.422617
WDR55	ENSG0000	0.225171	6.446511	4.420419	0.000352	0.002037	-0.53248	6.072266	6.081574	6.042692	6.608857	6.608387	6.60109	6.52843	6.381898	6.439449	6.387415	6.410864	6.476521	6.786563	6.7229	6.6398	6.527953	6.53525	6.49475
ARAP3	ENSG0000	0.038918	4.031486	0.377487	0.710356	0.794472	-7.01572	3.747663	3.494617	3.871922	3.359513	3.502343	3.535905	3.158032	3.178579	3.104585	4.835851	4.806033	4.77868	4.707079	4.545767	4.613913	5.105146	5.051448	4.969789
PCDHB8	ENSG0000	0.51607	1.293624	2.931907	0.009112	0.026998	-3.08105	0.106501	0.215206	0.512639	1.022291	0.92021	1.055701	0.415731	0.824004	0.39151	3.60703	3.675424	3.625013	4.612964	4.753456	4.642737	4.010719	3.992947	4.014786
PCDHB10	ENSG0000	1.572568	0.687606	3.283744	0.004255	0.014803	-1.96001	0.106501	0.215206	0.421314	2.605941	2.229385	2.288255	1.317361	1.082132	0.833554	1.555182	1.725977	1.514616	2.42639	2.642244	2.513282	2.013561	2.190809	2.397196
PCDHB14	ENSG0000	0.843449	2.884531	3.790631	0.0014	0.006121	-1.23023	1.384302	1.670392	1.706811	3.887325	3.759832	3.828257	3.072345	2.848856	2.670735	3.08079	3.1855	2.974933	3.850304	3.86531	3.849837	3.455083	3.511821	3.466183
PCDHB12	ENSG0000	0.96558	-0.01488	3.439261	0.003028	0.011318	-1.61196	0.503316	0.215206	0.421314	1.393812	1.006428	0.984419	0.983587	1.082132	0.629397	1.158593	1.07167	1.248523	1.420179	1.591687	1.775589	1.599785	1.613793	1.222783
MRPS14	ENSG0000	0.020331	4.974047	0.276537	0.785379	0.850335	-7.13926	5.180696	5.140963	5.267957	5.26388	5.044764	5.179942	5.440037	5.443204	5.375831	4.721121	4.866934	4.909182	4.871306	4.853528	4.804542	4.677792	4.672404	4.675424
CENPL	ENSG0000	0.146848	4.198264	1.399306	0.179218	0.280568	-6.09712	4.416666	4.275018	4.37619	3.966538	4.110665	4.045196	4.591583	4.68386	4.825493	4.541844	4.580969	4.583999	3.310958	3.591587	3.533199	4.507942	4.551348	4.572451
GORAB	ENSG0000	0.08344	3.897525	1.023103	0.320212	0.439894	-6.39021	3.836399	3.952741	4.131643	4.367681	4.071202	4.434292	4.011872	4.166444	4.011347	3.709722	3.970058	3.819506	3.92342	3.846002	3.968435	3.836267	3.942484	3.914098
ACAT2	ENSG0000	0.329913	4.815276	5.384665	4.50E-05	0.000408	1.822259	5.606174	5.564777	5.514348	5.077635	5.253089	5.331249	5.916435	6.027768	5.872122	4.237473	4.082178	4.205521	3.92342	3.958151	3.939687	4.515433	4.343431	4.376785
TCP1	ENSG0000	-0.10675	8.416829	-2.57542	0.019359	0.049019	-4.63587	8.8066	8.852402	8.800841	8.547119	8.493794	8.509947	8.651673	8.640348	8.616934	8.365309	8.310417	8.340892	7.920723	7.930132	7.875696	8.303358	8.282907	8.334081
SNX19	ENSG0000	0.012938	6.812748	0.328631	0.746339	0.821874	-7.42274	6.292142	6.255527	6.282136	6.704387	6.728993	6.691987	6.371361	6.415505	6.317141	7.135506	7.196946	7.112956	7.385278	7.336486	7.346266	7.120248	7.093094	7.09047
MSANTD2	ENSG0000	0.091165	3.10538	0.946882	0.356607	0.478263	-6.34904	2.668993	2.71221	2.700947	3.273122	2.85862	2.980206	2.667326	3.063581	2.846105	3.544892	3.953305	3.532043	3.708564	3.688714	3.665494	3.70484	3.675254	3.744016
PDZD11	ENSG0000	0.130033	5.874191	3.343237	0.003737	0.013338	-2.79094	5.918158	5.971588	5.994	6.281638	6.203217	6.231372	6.151346	6.161941	6.164702	5.587318	5.525662	5.589242	5.786914	5.907809	5.830721	5.635142	5.633692	5.622786
SLC10A7	ENSG0000	0.1623	3.092398	1.801751	0.08886	0.16249	-5.22332	2.917019	3.100202	3.119366	2.840308	2.904251	3.200652	3.050103	3.506713	3.306673	3.42926	3.406729	3.339716	3.469097	3.203781	3.478287	3.567454	3.431768	3.398988
NUDCD1	ENSG0000	-0.17584	6.322873	-3.33166	0.003832	0.013615	-2.9255	6.010678	6.05805	6.038856	5.456512	5.565074	5.547605	5.853613	5.795247	5.591697	7.030301	7.013156	7.004666	6.877689	6.780817	6.797917	6.974997	6.866568	6.910175
ENY2	ENSG0000	-0.10471	6.483672	-2.11351	0.049218	0.102412	-5.3593	6.383325	6.359851	6.304671	6.004384	6.089305	5.965928	6.259498	6.245657	6.195117	6.81683	6.828749	6.893434	6.74077	6.80851	6.838972	6.683176	6.793713	6.799453
MASTL	ENSG0000	0.640009	3.885042	3.891081	0.001122	0.005121	-1.24692	4.051848	3.944869	4.138828	4.333937	4.335505	4.330328	4.666597	4.814082	4.592248	3.772076	3.709078	3.748962	2.911671	2.837366	2.858649	4.394709	4.195062	4.236277
KIAA1217	ENSG0000	-0.51645	5.03607	-2.59636	0.018534	0.047358	-4.20884	5.727148	5.642269	5.703085	4.674482	4.58706	4.819357	4.902122	4.603806	4.680887	5.032639	5.027603	4.92983	5.558094	5.534411	5.485683	4.684453	4.936897	4.95427
PLXDC2	ENSG0000	1.100715	-1.00528	3.546469	0.002394	0.009359	-1.41685	0.106501	0.106501	0.219246	0.106501	0.25478	0.3528	0.269385	0.106501	0.39151	1.239286	0.986408	0.993481	2.749557	2.756951	2.416453	1.599785	1.82352	1.703111
EPC1	ENSG0000	0.235559	4.707725	3.21201	0.004975	0.016818	-2.869	4.833667	4.809337	4.706239	4.982834	4.807214	5.076625	5.066264	5.241941	5.082376	4.497421	4.570022	4.293123	4.718081	4.722029	4.67449	4.667743	4.547132	4.467038
CCDC77	ENSG0000	-0.0126	3.359145	-0.13998	0.890275	0.926711	-6.70304	4.131163	4.12286	4.262385	4.359318	4.091068	4.10523	4.174919	4.166444	4.252911	2.930935	2.877496	2.930089	2.852992	2.938056	2.589286	3.001034	2.854728	2.629903
TAF12	ENSG0000	-0.21456	5.217739	-4.2323	0.000531	0.002827	-0.81169	4.97718	4.953612	4.883506	4.619522	4.681813	4.662649	4.568297	4.59002	4.807433	5.788424	5.837031	5.860576	5.850787	5.818179	5.786202	5.65732	5.607615	5.726921
ENOX1	ENSG0000	-0.09038	1.9344	-0.24849	0.806653	0.866538	-6.16675	4.073915	3.904854	4.087767	4.982834	5.166794	5.085168	4.235306	4.09991	4.042563	1.278001	1.112482	1.126631	0.656707	1.203912	0.812339	0.789161	0.871168	0.214669
MTRF1	ENSG0000	0.201335	3.575354	2.227792	0.039295	0.085748	-4.61421	3.300651	3.439663	3.217639	3.57705	3.329147	3.306732	3.571163	3.659726	3.421943	3.818776	3.70241	3.71764	4.203356	4.269646	4.279586	3.787601	3.961615	4.007286
DNAJC15	ENSG0000	-0.17715	5.222398	-3.81117	0.001338	0.005909	-1.68624	5.658224	5.651972	5.618241	5.384166	5.253089	5.349094	5.498697	5.356295	5.451432	5.117808	5.137972	5.229089	5.036421	4.997558	4.920894	5.059757	5.072132	4.930673
PROSER1	ENSG0000	-0.07066	5.988202	-0.69125	0.49849	0.615677	-7.14103	6.016387	5.99274	6.0078	5.452586	5.419464	5.671913	6.002927	5.801241	5.92891	6.160176	6.19032	6.100044	6.466844	6.308941	6.361751	6.073551	6.09435	6.164701
UFM1	ENSG0000	0.065768	6.775052	1.720289	0.103035	0.18287	-6.02874	6.808768	6.813305	6.766727	6.907307	6.747888	6.785381	6.778885	6.839158	6.851475	6.71028	6.683097	6.675742	6.791779	6.86075	6.803513	6.719303	6.7713	6.880718
WBP4	ENSG0000	-0.26578	4.165859	-4.30948	0.000449	0.002472	-0.41352	4.456406	4.484999	4.242513	4.062381	4.177232	4.194794	4.235306	3.978187	4.198517	4.472601	4.369954	4.503642	4.080861	4.274468	4.109334	4.240529	4.162364	4.203832
ELF1	ENSG0000	0.145773	6.3847	1.437215	0.168319	0.267401	-6.38153	5.729467	5.718121	5.693359	6.910172	6.794071	6.975445	6.266749	6.271797	6.152831	6.379648	6.411886	6.450559	6.884419	6.848675	6.959862	6.295367	6.210856	6.304372
HSPH1	ENSG0000	0.188215	8.923994	1.808838	0.087711	0.161116	-6.0702	8.272039	8.2542	8.212379	8.692341	8.570539	8.619134	8.375224	8.312798	8.358313	9.510463	9.436837	9.428401	9.174608	9.168713	9.174733	9.741307	9.70566	9.683365
KBTBD7	ENSG0000	0.059088	4.311587	0.79992	0.434495	0.555672	-6.69448	4.381709	4.256058	4.320409	4.667726	4.764552	4.645422	4.512454	4.690335	4.520155	4.151473	4.228596	4.389024	4.344933	4.269646	4.333621	4.156784	4.151298	4.157149
ALG5	ENSG0000	0.013764	5.123979	0.249871	0.805601	0.865779	-7.22058	4.825019	4.937835	4.844488	4.988267	4.842803	4.859751	5.099133	5.117737	5.026224	5.510146	5.430014	5.490774	5.26366	5.384121	5.29458	5.388239	5.370553	5.326909
EXOSC8	ENSG0000	-0.37583	4.762169	-5.92213	1.49E-05	0.000174	2.847752	5.38573	5.337144	5.254791	4.020568	3.747367	4.018682	4.723921	4.976535	4.687485	5.449962	5.415817	5.542338	4.222798	4.084346	4.25646	5.19652	5.146465	5.311765
ETF1	ENSG0000	-0.08363	8.778205	-1.87151	0.078109	0.147666	-5.94568	9.024332	9.005935	8.964705	8.548499	8.548704	8.516673	8.928462	8.993429	8.958502	8.879677	8.819042	8.858244	8.589928	8.618907	8.629646	8.727281	8.702079	8.75521
TGFBI	ENSG0000	-0.02372	11.44172	-0.17599	0.862327	0.907569	-7.71179	12.47234	12.46076	12.48142	13.61803	13.55296	13.52987	12.80737	12.74217	12.80888	10.13325	10.00945	10.06699	10.14137	10.11127	10.1535	9.631518	9.599361	9.646118
FAM53C	ENSG0000	-0.27266	6.355949	-1.69121	0.10855	0.190827	-6.0475	7.129899	7.125956	7.072729	5.325276	5.589722	5.510028	6.778885	6.71922	6.785351	6.536564	6.47291	6.426546	6.181053	6.124944	6.102489	6.247814	6.326052	6.299774
SIL1	ENSG0000	0.067575	6.065758	1.145947	0.267265	0.383682	-6.67337	6.600314	6.575297	6.667134	6.801717	6.854888	6.798429	6.600985	6.535438	6.631323	5.373815	5.380746	5.546801	5.487516	5.476997	5.467673	5.64542	5.560291	5.612936
PAIP2	ENSG0000	0.149937	6.628646	2.047855	0.055905	0.113234	-5.48955	6.330838	6.394941	6.35026	6.220625	6.049244	6.113125	6.618096	6.659423	6.582599	6.831546	6.828749	6.884647	6.945958	6.994629	7.033132	6.918907	6.894213	6.941013
KDM3B	ENSG0000	0.11352	6.880853	2.799711	0.012081	0.033852	-4.06691	6.764225	6.768296	6.805619	6.94132	6.918814	7.018455	6.984915	6.885038	6.88917	6.751271	6.827217	6.703321	7.064917	7.099577	7.108682	6.847253	6.836657	6.86835
EGR1	ENSG0000	0.162993	3.729699	2.070882	0.053471	0.109314	-5.18248	3.223781	3.057038	2.900124	1.457877	1.953662	1.623325	2.957542	2.848856	3.124172	5.445717	5.391149	5.516787	4.610014	4.686287	4.610269	5.642002	5.729813	5.605504
SERP1	ENSG0000	1.284627	7.043426	20.89202	8.33E-14	1.30E-10	21.92101	5.966143	5.998455	6.059826	7.333763	7.295752	7.29006	7.474788	7.442307	7.403676	6.493004	6.56768	6.527083	7.329876	7.425349	7.372315	7.657093	7.703911	7.663003
PLS1	ENSG0000	-0.28406	5.872418	-3.20108	0.005094	0.017133	-3.1444	5.795144	5.848305	5.771708	5.147291	5.059965	5.183924	5.704947	5.682848	5.489686	6.399536	6.463081	6.420884	6.308443	6.32994	6.279253	6.053108	6.156548	6.084997
ZFP30	ENSG0000	0.390268	3.206986	3.438978	0.00303	0.011319	-2.18799	2.245129	2.09705	2.621113	2.48816	2.520598	2.581827	2.696258	2.848856	2.530983	3.798946	3.793073	3.81458	4.893312	4.853528	4.826692	4.137495	4.11758	4.223386
NR2C1	ENSG0000	-0.10872	4.858681	-1.90576	0.073265	0.140219	-5.45688	4.740165	4.609725	4.720675	4.772209	4.694855	4.580436	4.576101	4.637703	4.694053	5.144243	5.092794	5.123508	5.338642	5.341097	5.339289	4.908658	5.069195	4.996553
UTP20	ENSG0000	-0.44747	6.830829	-6.37262	6.09E-06	8.72E-05	3.567799	7.816623	7.787801	7.902035	6.922996	6.928508	7.043877	7.356296	7.226503	7.194936	6.599055	6.653153	6.480414	6.150924	6.092543	6.229054	6.302962	6.208188	6.313524
TMPO	ENSG0000	0.041439	6.857597	0.311134	0.759379	0.831731	-7.44104	7.512395	7.437793	7.494946	6.69611	6.760349	6.596615	7.702186	7.707847	7.621746	7.110251	7.143179	7.176729	5.215949	5.218837	5.253122	7.074706	6.970173	7.023265
ARL1	ENSG0000	0.022811	6.563987	0.535154	0.599287	0.702348	-7.2722	7.149947	7.18228	7.111591	6.97865	6.910452	7.00726	7.238302	7.190414	7.23377	6.063762	6.062062	6.101056	6.023688	5.986328	6.076316	6.01794	6.057777	6.06346
MTERF2	ENSG0000	-0.07543	2.99063	-0.59374	0.560292	0.670326	-6.46263	3.397161	3.128277	3.28395	3.851999	3.844198	3.27721	3.315502	3.491964	3.437684	2.943032	3.076267	2.826234	2.995443	3.120528	3.137101	2.77004	2.755911	2.464474
SOCS2	ENSG0000	0.183829	2.537687	0.630363	0.536613	0.64892	-6.32186	3.967917	4.150501	4.188143	2.577385	2.333126	2.5075	4.411387	4.166444	4.243986	1.704765	1.922393	2.055402	2.112949	2.127698	2.220059	1.992244	2.190809	2.033602
NFYB	ENSG0000	0.206244	5.019502	3.944086	0.000999	0.004677	-1.36028	5.316463	5.24399	5.393406	5.20443	5.119213	5.25	5.418495	5.5324	5.351109	4.699893	4.768219	4.72456	4.673561	4.634714	4.836082	5.03391	4.971913	5.011626
WASHC3	ENSG0000	0.21844	4.034864	2.792834	0.012259	0.034283	-3.56296	3.86199	4.087546	3.979882	4.727426	4.558804	4.580436	4.000319	4.290959	4.261781	3.716784	3.836353	3.71764	4.114557	4.416485	4.237689	3.940112	3.84969	4.073428
APAF1	ENSG0000	-0.13608	3.572076	-1.55508	0.137847	0.229206	-5.60156	3.691678	3.863696	3.62825	4.254996	4.42432	4.598452	3.676552	3.672864	3.586306	3.376719	3.509623	3.276636	3.768	3.772912	3.799527	3.26375	3.138674	3.241681
DUSP4	ENSG0000	0.112746	8.283319	0.81301	0.427149	0.548889	-7.21364	9.487795	9.408877	9.465264	9.521813	9.52534	9.48983	9.604432	9.619016	9.656112	7.33458	7.299923	7.444047	6.454562	6.363142	6.378985	7.467358	7.401698	7.303726
CLU	ENSG0000	0.076949	8.847399	0.624308	0.540489	0.652334	-7.33119	10.28363	10.26052	10.33162	11.40269	11.45284	11.35397	10.40987	10.31804	10.40291	6.428863	6.283738	6.417639	8.29367	8.232626	8.190441	6.473226	6.464368	6.383273
TNFRSF10E	ENSG0000	-0.23501	7.794153	-3.00032	0.007866	0.023986	-3.71234	9.203914	9.180744	9.207624	8.044662	7.983859	8.051666	9.233653	9.218423	9.199712	7.426837	7.396037	7.36665	6.118076	6.102069	6.162191	6.926654	6.8306	6.804871
SORBS3	ENSG0000	-0.02101	5.688206	-0.27319	0.787908	0.851907	-7.27843	5.750171	5.900111	5.771708	5.778422	5.965622	5.796796	5.582443	5.521547	5.474506	5.45208	5.444072	5.659606	5.902337	5.906256	5.879974	5.72834	5.789916	5.603018
PTK2B	ENSG0000	-0.58563	5.389269	-4.52287	0.000282	0.001703	-0.21885	5.437711	5.460976	5.287484	4.714371	4.917027	4.67402	4.358069	4.421231	4.467457	6.626504	6.516329	6.559097	5.250459	5.25832	5.250784	6.176366	6.162072	6.184789
PPP3CC	ENSG0000	0.019699	3.095033	0.213311	0.833553	0.886073	-6.6605	3.738482	3.35903	3.801232	3.605613	3.47236	3.711713	3.586698	3.685883	3.572114	2.881509	2.877496	2.87437	2.862939	2.888589	3.064395	2.807136	2.947209	3.050576
PDLIM2	ENSG0000	0.06512	3.620888	0.528832	0.603574	0.706069	-6.89969	2.780548	2.853456	2.933559	2.48816	2.948483	2.288255	2.724622	2.753138	2.530983	4.346223	4.602618	4.72456	5.331496	5.255884	5.296849	4.720549	4.714363	4.632189
EPHX2	ENSG0000	-0.22797	3.881178	-1.01261	0.325058	0.445045	-6.36747	4.088441	4.065935	3.987862	3.898911	4.091068	4.027574	3.747379	3.786013	3.856018	3.496465	3.774119	3.573456	5.025392	4.859959	5.082154	3.423579	3.537548	3.398988
RNF170	ENSG0000	0.083987	4.78236	1.060299	0.303442	0.422664	-6.58223	4.833667	4.769782	4.808898	4.772209	4.648682	4.93257	4.779054	4.814082	4.764393	4.626786	4.682721	4.676498	5.119672	5.24855	5.105638	4.76522	4.857415	4.840691
UBIAD1	ENSG0000	-0.32152	5.418869	-5.04855	9.12E-05	0.000705	0.94969	5.343965	5.281977	5.176661	5.171375	5.185395	5.421721	4.857993	4.905964	4.674259	5.942476	5.944071	5.927126	5.761881	5.786458	5.704825	5.70232	5.722354	5.671054
TARDBP	ENSG0000	0.166877	6.833253	2.18285	0.042954	0.092079	-5.27009	6.524888	6.688047	6.507006	6.653998	6.613547	6.676523	6.856232	6.907443	6.924509	7.175146	7.112699	7.153997	6.645301	6.604381	6.652257	7.185682	7.128088	7.226695
ZNF706	ENSG0000	-0.0208	6.246337	-0.29702	0.769955	0.838543	-7.38811	6.122537	6.088736	6.069258	5.615935	5.525471	5.566032	5.952856	6.045554	6.114173	6.632118	6.642742	6.635806	6.582726	6.64591	6.62543	6.711172	6.610913	6.611893

LYPLA1	ENSG0000	0.081203	7.132113	1.906699	0.073136	0.14001	-5.78082	6.973367	6.868442	6.831347	6.692786	6.571739	6.609997	7.117833	7.060236	7.041151	7.52717	7.490022	7.514847	7.172811	7.287828	7.274984	7.446937	7.558087	7.533879
CRISPLD1	ENSG0000	1.174859	4.005648	5.83874	1.77E-05	0.000198	2.992152	4.511345	4.522504	4.412214	5.815573	5.763816	5.699996	6.017329	6.032872	5.942765	2.664903	2.714733	2.627101	3.004458	3.243672	3.378997	2.611312	2.784842	2.760563
COPS5	ENSG0000	-0.1456	6.244505	-2.82193	0.011524	0.03255	-3.96778	6.169409	6.160165	6.20893	5.944151	5.836231	5.928437	6.130298	6.112173	6.121501	6.578847	6.534276	6.539079	6.487083	6.433818	6.526438	6.352947	6.292449	6.400554
RDH10	ENSG0000	0.066083	5.090015	0.280409	0.782456	0.847814	-7.16277	4.758449	4.95753	4.978671	5.904469	5.687572	5.904501	5.324334	5.352217	5.466856	5.288691	5.361828	5.311821	4.379991	4.321825	4.516048	5.049474	4.920695	4.95427
AKAP1	ENSG0000	0.082006	6.742149	1.451195	0.164438	0.262466	-6.41073	6.770995	6.812224	6.746881	7.024325	7.137581	7.081724	6.998046	6.840614	6.893457	6.650677	6.574087	6.574477	6.559212	6.5287	6.5303	6.653778	6.598745	6.635195
COIL	ENSG0000	0.16919	5.36013	2.579223	0.019207	0.048685	-4.32061	5.468578	5.533626	5.449376	5.20443	5.089893	5.234723	5.405414	5.595854	5.515873	5.24783	5.384916	5.230939	5.338642	5.401859	5.326021	5.52441	5.489561	5.689918
TRIM25	ENSG0000	-0.12807	7.442381	-2.5582	0.020064	0.050437	-4.61341	7.703219	7.656598	7.720006	7.074996	7.133995	7.112348	7.424884	7.371549	7.34854	7.655387	7.644547	7.693503	7.165797	7.14439	7.173698	7.689324	7.711465	7.694869
SCPEP1	ENSG0000	0.218471	5.946035	2.730253	0.013995	0.037946	-4.04236	5.86008	5.798943	5.671231	6.990882	7.101308	7.081724	5.97958	6.214549	6.054173	5.312197	5.334056	5.378429	6.096106	6.132932	6.112827	5.47532	5.444943	5.453733
SPOP	ENSG0000	0.35133	5.453361	3.432607	0.003073	0.011445	-2.55928	5.067938	5.063109	5.137743	5.44865	5.287935	5.391041	5.843949	5.842522	5.839908	5.395984	5.43203	5.487683	5.730985	5.695898	5.671993	5.529969	5.408227	5.499895
TBX2	ENSG0000	-0.05553	2.41875	-0.18974	0.851702	0.900177	-6.04862	6.538177	6.675021	6.731518	6.92583	7.196082	7.056966	6.723746	6.562162	6.610642	0.609835	0.524532	0.54756	0.352262	0.345231	0.335616	0.183756	0.504542	0.315289
SLC35B1	ENSG0000	1.399622	5.653443	9.894679	1.39E-08	8.48E-07	9.93164	4.921476	4.826575	4.921495	6.818591	6.564651	6.60555	6.593315	6.654464	6.658443	4.656475	4.81224	4.808717	5.471352	5.462279	5.41643	5.750728	5.667096	5.756303
FAM117A	ENSG0000	0.178972	1.021241	1.007597	0.327394	0.44729	-5.8748	1.010037	1.277811	1.088647	1.022291	1.006428	0.657796	0.983587	1.549165	1.01237	2.30136	1.989662	2.038602	2.626498	2.517623	2.618601	2.247458	2.190809	2.350536
NCAPH	ENSG0000	0.269966	4.367951	1.159144	0.261989	0.377836	-6.47193	4.669462	4.644161	4.706239	4.263984	4.258538	4.162865	5.162706	5.174263	5.07736	5.063439	5.125563	5.174383	2.412911	2.565626	2.34809	5.153958	5.171328	5.223892
LRAT	ENSG0000	-0.78739	2.457036	-2.78971	0.01234	0.034457	-3.39718	3.738482	3.812706	3.533304	1.393812	1.307481	1.714252	1.459147	1.430416	1.38134	3.93235	3.619889	3.754117	2.706013	2.642244	2.730245	3.617041	3.612085	3.761956
TMEM131	ENSG0000	-0.1114	5.435868	-1.01205	0.325319	0.445279	-6.76316	5.531062	5.501788	5.571218	5.254892	5.133653	5.257578	5.257962	5.38452	5.44755	5.337619	5.508563	5.43409	5.898716	5.921708	5.896523	5.365622	5.370553	5.391714
MND1	ENSG0000	-0.21514	2.775953	-1.49621	0.152439	0.247683	-5.6207	3.911847	3.896716	3.906009	2.548252	2.660129	2.825643	3.719464	3.724251	3.733845	3.471629	3.348126	3.393562	1.27873	1.393161	1.355599	3.209363	3.215061	3.079476
TRIM6	ENSG0000	-0.32988	3.16592	-2.53348	0.021119	0.052542	-3.92506	3.487617	3.417081	3.565652	3.103249	3.410458	3.321269	3.388228	3.564249	3.668646	3.709722	3.748453	3.71764	2.842976	2.686334	2.795875	2.979529	3.215061	3.279535
TENT4B	ENSG0000	0.007536	5.538842	0.081989	0.935587	0.958398	-7.31088	5.468578	5.300601	5.332045	5.724097	5.57921	5.490866	5.616898	5.360361	5.54523	5.834606	5.865664	5.738449	5.342202	5.552391	5.371934	5.642002	5.707321	5.802537
ADCY7	ENSG0000	0.472786	5.127888	6.785145	2.75E-06	4.80E-05	4.577172	5.237197	5.147837	5.204319	5.384166	5.521816	5.461637	5.722633	5.606164	5.619566	4.748949	4.872886	4.776148	4.737134	4.649638	4.621173	5.319295	5.219805	5.233567
CEP89	ENSG0000	-0.44883	4.668502	-5.97821	1.33E-05	0.000159	3.02883	4.829349	4.86879	4.691656	4.640378	4.648682	4.512384	3.988671	4.050434	4.042563	5.026968	5.079989	5.111508	5.064709	5.065909	4.998211	4.874113	4.843731	4.762652
ECHDC2	ENSG0000	-0.19826	4.227533	-2.59946	0.018414	0.047095	-4.00096	4.495082	4.501192	4.370098	4.576883	4.688349	4.434292	4.174919	4.109604	4.380548	3.968304	4.237848	4.132188	4.470601	4.513497	4.535391	3.889124	4.011424	4.022248
PYROXD1	ENSG0000	-0.21472	5.119959	-1.7606	0.095793	0.172898	-5.72586	5.747885	5.694843	5.734251	4.857809	4.807214	4.879531	5.750487	5.609584	5.791729	5.120474	5.046155	5.178223	4.833866	4.804359	4.909079	4.717304	4.847164	4.622403
KCNJ8	ENSG0000	0.659503	-0.82669	3.394275	0.003342	0.012214	-1.66339	3.223781	3.273623	3.06005	3.591402	3.31232	3.632327	3.828023	3.646467	4.011347	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PSPC1	ENSG0000	0.151596	6.463388	1.196951	0.247309	0.361163	-6.72434	6.138331	6.258705	6.071137	5.890028	5.87112	5.877705	6.504093	6.391864	6.530339	6.620867	6.582282	6.652465	7.092656	7.096177	7.098964	6.645268	6.633953	6.698276
ZNF549	ENSG0000	0.206456	4.083161	3.032703	0.007336	0.022681	-3.23975	3.65311	3.260998	3.466347	3.123142	3.093416	3.445903	3.705302	3.856799	3.721038	4.886838	4.827642	4.788762	4.836392	4.824228	4.782046	5.067422	4.927198	4.973643
ZSCAN18	ENSG0000	0.111067	5.174262	1.035768	0.314429	0.434124	-6.74231	4.600191	4.649014	4.706239	4.299384	4.447623	4.271657	4.536652	4.664259	4.404775	5.604555	5.71148	5.655479	6.299316	6.26358	6.231428	5.835464	5.909676	5.874386
ZNF211	ENSG0000	0.216182	3.353752	2.392192	0.028227	0.065972	-4.33773	2.369288	2.009193	2.399755	2.840308	2.926537	2.980206	2.607661	3.023117	2.501332	3.997596	4.209911	4.100159	5.012045	4.894826	4.912042	4.302461	4.094656	4.292899
LHX4	ENSG0000	0.630621	0.725268	2.079715	0.052564	0.10783	-4.10801	3.041689	3.027527	3.25779	2.359902	2.57804	2.481849	3.617275	3.550079	3.498982	0.34397	0.330605	0.34382	0.407676	0.837535	0.760679	0.576451	0.637375	0.659518
RNF2	ENSG0000	0.187439	5.122897	2.685937	0.015364	0.040881	-4.05786	5.135946	5.063109	4.904734	5.072529	5.152684	5.195807	5.043928	5.484771	5.424038	4.948139	5.203192	5.123508	5.212064	5.211312	5.198354	5.163525	5.163088	5.274758
TRMT1L	ENSG0000	-0.38598	5.196363	-5.58126	2.99E-05	0.000296	2.141379	5.713155	5.765816	5.681107	5.250376	5.212855	5.352637	5.238424	5.043815	5.243285	5.200749	5.090242	5.294235	5.029814	5.170503	5.074241	4.958973	5.036489	4.910709
SEC22A	ENSG0000	0.363323	3.306955	3.793368	0.001391	0.00609	-1.33247	3.454357	3.568199	3.454879	3.273122	3.34578	3.510758	3.632324	3.672864	4.021828	2.918737	3.278101	3.225594	3.436163	3.410675	3.396027	3.516101	3.494411	3.530388
B4GALT4	ENSG0000	-0.35584	5.019849	-3.05791	0.006948	0.021792	-3.19245	5.946343	5.950121	6.03501	5.772136	5.769991	5.738416	5.401027	5.356295	5.412136	4.13575	4.269773	4.375708	4.739835	4.879081	4.772296	4.175819	4.232297	4.311289
NAA50	ENSG0000	0.009468	7.64121	0.341303	0.736944	0.814487	-7.50299	7.606866	7.605084	7.585153	7.135011	7.012944	7.06886	7.583315	7.620698	7.634607	8.090754	8.00747	8.040081	7.490481	7.538921	7.506763	8.062236	8.057699	8.032604
KIF18A	ENSG0000	0.173629	3.761451	1.090971	0.290098	0.408367	-6.27941	4.066597	4.073175	4.003689	4.487626	4.249727	4.293939	4.376062	4.511753	4.475104	3.864012	3.668598	3.81458	2.986372	3.032175	2.833866	3.560228	3.690624	3.770842
DESI2	ENSG0000	-0.19341	6.482776	-2.99908	0.007888	0.02403	-3.5997	7.261515	7.272311	7.229853	6.687785	6.596274	6.655165	7.108446	7.205184	6.984678	6.20983	6.173542	6.120146	5.874336	5.933952	5.889024	5.981894	5.919494	5.906998
MAPK8IP1	ENSG0000	0.198801	3.070122	1.743469	0.098815	0.177167	-5.24724	2.245129	2.232543	2.492412	3.661095	3.912781	3.848471	2.513265	2.108984	2.376228	3.17611	3.166245	3.318995	4.424329	4.509412	4.385705	3.588914	3.385297	3.398988
CRY2	ENSG0000	-0.67063	3.987572	-6.54078	4.39E-06	6.75E-05	4.242544	4.495082	4.47956	4.520694	3.376187	3.670226	3.459109	3.474265	3.605944	3.357206	4.671093	4.463628	4.760864	4.207266	4.179969	4.14503	4.199264	4.237539	4.197255
PEX16	ENSG0000	-0.03279	4.355839	-0.36074	0.722614	0.803617	-6.96986	4.239263	4.401188	4.301326	4.43289	4.628433	4.524999	4.411387	4.436718	4.45204	4.35077	4.190981	4.314216	4.929259	4.827513	4.79815	4.175819	4.205799	4.080593
DEPDC7	ENSG0000	0.073712	0.265631	0.289585	0.775541	0.842694	-6.07043	0.882475	1.061904	1.30847	0.635873	1.006428	1.055701	0.670238	1.301009	1.244857	1.116489	1.029669	1.585733	1.498836	1.652223	1.320349	1.571317	1.16325	1.222783
CAT	ENSG0000	-0.37884	3.755226	-2.76097	0.013115	0.036138	-3.76286	2.438959	2.308123	2.109199	3.487804	3.34578	3.485165	1.648695	1.430416	1.0941	5.449962	5.409689	5.546801	6.115998	6.015426	6.048312	5.212738	5.174064	5.217405
PILRB	ENSG0000	-0.28517	1.061442	-1.41583	0.174398	0.274804	-5.18383	1.894617	2.125186	2.166567	2.457149	2.264801	2.557474	2.144798	2.255906	1.727075	1.490718	1.369793	1.061592	1.248697	1.320413	1.580823	0.789161	1.16325	0.93723
ZMYM2	ENSG0000	0.410523	6.508922	5.321102	5.13E-05	0.00045	1.412201	5.734094	5.759098	5.83942	6.862152	6.69694	6.854475	6.353309	6.452163	6.359073	6.509367	6.519177	6.454523	6.961086	6.942559	6.945474	6.753756	6.739324	6.729381
TBC1D15	ENSG0000	-0.0571	5.176834	-0.93269	0.363684	0.48556	-6.77255	5.146396	5.195056	5.067946	5.583994	5.387689	5.471446	5.173034	5.310795	5.325957	5.1779	5.184173	5.119519	5.28231	5.324918	5.330457	5.026064	4.910886	4.902646
ADGRB2	ENSG0000	0.228092	1.511845	0.901659	0.379495	0.501592	-5.7664	2.609804	2.730641	2.700947	3.863871	4.240862	4.130213	3.115825	3.063581	2.82232	0.834246	0.941811	1.248523	1.121891	1.2438	1.129895	1.058946	1.072305	0.580851
ZCCHC17	ENSG0000	0.488429	4.752063	8.921745	6.39E-08	2.65E-06	8.425337	4.239263	4.281283	4.255791	4.569652	4.551652	4.633822	4.83866	4.77806	5.015776	4.917814	4.77459	4.835713	5.107173	4.974036	5.087406	5.165907	5.251241	5.262209
KHDRBS1	ENSG0000	-0.03687	7.896611	-0.62765	0.538347	0.650354	-7.3658	7.935886	7.957801	7.944168	7.628977	7.591715	7.632216	7.842251	7.838202	7.765877	7.964413	7.944581	7.968153	8.030982	8.066709	8.119158	7.986774	8.01827	8.015881
TMEM39B	ENSG0000	-0.01736	4.098672	-0.22489	0.82467	0.880087	-7.06277	4.014302	3.912946	3.922756	3.456785	3.441741	3.321269	3.490873	3.749274	3.856018	4.748949	4.609763	4.692697	4.659362	4.541772	4.670996	4.752597	4.710599	4.853297
POLR3GL	ENSG0000	-0.43546	3.291051	-2.60374	0.01825	0.046735	-3.77026	4.219602	4.177623	4.262385	3.487804	3.207016	3.335661	3.555458	3.578282	3.468658	3.165825	3.175905	3.085394	3.288992	3.544454	3.353069	3.022222	3.009816	3.006111
TNFSF10	ENSG0000	-0.25083	1.342637	-1.8083	0.087798	0.161181	-5.09788	0.667115	0.875715	0.598525	1.256461	0.828511	0.909432	0.415731	0.253663	0.629397	3.536933	3.780465	3.596598	3.762697	3.799921	3.862146	3.383205	3.675254	3.398988
ZNF639	ENSG0000	-0.02629	4.964487	-0.51722	0.611486	0.713101	-7.0827	4.888652	5.066741	4.857612	4.740363	4.65537	4.874612	4.950956	4.722281	4.923769	5.269607	5.270107	5.183964	5.000827	5.060335	5.023089	5.278052	5.23036	5.217405
PIK3CA	ENSG0000	0.130354	4.491569	1.531551	0.143533	0.236148	-5.9811	3.983545	3.928996	4.07284	4.161901	4.009905	4.154771	4.011872	4.489649	4.313883	4.735102	4.925369	4.835713	5.140267	5.361637	5.287753	4.891489	4.897703	4.874064
PDS5A	ENSG0000	0.10016	7.752709	1.856433	0.08033	0.151126	-5.86647	8.230483	8.266489	8.273224	8.642814	8.619666	8.716173	8.490685	8.524185	8.469204	7.023909	7.127086	6.966314	7.111031	7.185294	7.097663	6.989862	6.971746	6.983681
TMEM156	ENSG0000	-0.07835	4.516188	-0.72823	0.476117	0.595271	-7.09489	3.593253	3.417081	3.39613	1.519216	1.373859	1.188496	2.858632	3.160038	2.798137	7.112261	7.105135	7.117963	6.245204	6.23912	6.226676	7.100461	7.082938	7.143608
LIAS	ENSG0000	-0.63226	4.002694	-5.7194	2.25E-05	0.000238	2.65445	5.429176	5.509814	5.384366	4.112999	4.204846	4.088331	4.428731	4.753535	4.549426	3.851231	3.748453	3.843887	3.173846	3.193633	2.942182	3.478269	3.529023	3.679412
TMEM54	ENSG0000	0.150163	4.106646	1.960206	0.066112	0.129346	-5.33322	2.850396	2.784561	2.621113	3.408969	2.948483	3.051692	3.19904	3.250449	3.468658	5.362601	5.231258	5.363329	5.506677	5.313248	5.530714	5.367692	5.363378	5.362617
ZSCAN20	ENSG0000	0.005111	2.654954	0.061964	0.951295	0.968568	-6.71394	2.438959	2.49222	2.469799	2.518519	2.429905	2.429135	2.376953	2.451551	2.165532	3.488234	3.381904	3.283783	3.181815	3.320292	3.206318	3.478269	3.297679	3.55117
LRIF1	ENSG0000	0.059057	6.100698	0.899441	0.380643	0.502678	-7.00475	5.843047	5.71581	5.776322	5.384166	5.305047	5.451761	5.519082	5.737018	5.693539	6.597143	6.548288	6.544295	6.645301	6.671727	6.584232	6.721734	6.783894	6.705246
CLCC1	ENSG0000	0.224018	4.847952	3.101265	0.006326	0.020302	-3.0852	5.32262	5.31594	5.303557	5.650615	5.620805	5.788972	5.523124	5.517911	5.435842	3.985951	4.200477	4.335006	4.393779	4.284065	4.27499	4.500412	4.40994	4.4056
GPSM2	ENSG0000	0.284069	4.121182	3.201447	0.00509	0.017127	-2.85778	4.212988	4.065935	3.863273	3.54791	3.855857	3.75519	4.4712	4.373746	4.428601	4.68916	4.562677	4.563592	3.663745	3.752319	3.548512	4.853574	4.76606	4.780362
GTDC1	ENSG0000	-0.55305	4.557258	-8.83043	7.42E-08	2.94E-06	8.320826	5.240453	5.154678	5.086643	4.720913	4.558804	4.72411	4.673889	4.497055	4.497806	4.626786	4.672521	4.765977	4.486773	4.293598	4.476566	4.236002	4.184245	4.274271
ZRANB3	ENSG0000	-0.11721	2.861892	-0.83608	0.414393	0.536271	-6.30388	3.603403	3.628412	3.466347	3.342644	3.260629	3.306732	3.094248	3.351955	3.498982	2.943032	2.912585	3.093551	2.343563	2.148862	2.121111	2.843302	3.204393	3.021085
ACVR2A	ENSG0000	0.093018	3.812554	0.911673	0.374344	0.496791	-6.51067	3.300651	3.335139	3.489013	4.072648	3.709312	4.027574	4.034706	3.659726	3.90213	4.13575	4.082178	4.03812	4.264669	4.303069	4.359898	3.989359	3.986735	3.823043
POLK	ENSG0000	0.142046	4.729127	2.485178	0.023334	0.056908	-4.33082	4.97718	4.913842	5.079193	5.171375	5.248674	5.175948	5.315037	5.164994	5.174497	4.261822	4.47541	4.358889	4.574134	4.505315	4.527685	4.40281	4.49118	4.335451
RPL21	ENSG0000	0.01097	8.794748	0.356925	0.725421	0.805376	-7.555	9.014144	9.034264	8.992732	8.945841	8.933429	8.928377	8.987807	9.083809	9.049347	8.671205	8.640006	8.593993	8.476672	8.556679	8.564292	8.580336	8.598182	8.715486
MTIF3	ENSG0000	0.088886	4.440294	1.187887	0.25077	0.365169	-6.32868	4.842264	4.765319	4.822347	4.839889	4.641964	4.793524	4.956946	4.997573	4.801363	4.114515	4.013804	4.075663	4.352013	4.321825	4.423569	4.132632	4.106163	4.170642
GTF3A	ENSG0000	0.270122	6.161595	4.304029	0.000454	0.002496	-0.75479	5.93634	6.160165	6.023412	6.340176	6.346468	6.361906	6.290661	6.326859	6.439449	6.007276	5.959533	6.174026	6.03583	5.977484	6.084218	6.341403	6.18667	6.292079
RASL11A	ENSG0000	-0.24365	1.306775	-1.26112	0.223839	0.333696	-5.44739	2.649532	2.636038	2.579475	2.021307	2.117603	2.629332	2.446718	1.945386	2.127218	1.315703	1.300837	1.413989	1.088368	1.560439	1.17005	1.599785	1.329561	1.461048
UBL3	ENSG0000	0.004	5.086805	0.023448	0.981558	0.98801	-7.15638	5.023273	5.063109	5.159101	5.601826	5.607073	5.617001	5.539183	5.599299	5.485906	4.557665	4.821501	4.64632	5.576346	5.65765	5.624013	4.236002	4.30899	4.274271
FYTTD1	ENSG0000	0.110373	6.327479	2.196039	0.041849	0.090216	-5.18857	6.106569	6.173699	6.048426	6.225234	6.00018	6.004722	6.300115	6.379897	6.21352	6.497112	6.541766	6.454523	6.499092	6.545754	6.589794	6.524244	6.496423	6.6291
MTERF4	ENSG0000	0.277022	5.228516	4.838365	0.000143	0.001003	0.537761	4.776503	4.847837	4.86196	5.20443	5.176125	5.227023	5.262806	5.327507	5.261087	5.264796	5.179378	5.339521	5.592876	5.67599	5.609485	5.428474	5.458474	5.335919
OCRL	ENSG0000	-0.23467	6.314694	-3.10808	0.006233	0.020078	-3.33301	7.317308	7.374006	7.349252	6.692786	6.725819	6.714188	7.06474	6.988491	6.968516	5.744175	5.634754	5.764226	5.555029	5.648392	5.656176	5.586184	5.60153	5.656743
PAEP	ENSG0000	0.015505	2.902882	0.044057	0.965359	0.977298	-7.10783	1.519087	1.374745	1.202741	0.395333	1.006428	0.3528	4.034706	4.157125	4.235006	4.977839	5.085124	5.007428	4.534231	4.623418	4.464508	4.677792	4.625193	4.515429
MRPS2	ENSG0000	0.202778	6.903783	2.00684	0.06049	0.120633	-5.56718	7.155994	7.142397	7.172371	6.97318	7.129199	7.017339	7.728685	7.678836	7.765877	6.765816	6.58319	6.857962	6.375122	6.272043	6.19053	6.637565	6.546909	6.510753
KIAA1191	ENSG0000	-0.04991	7.353018	-1.1728	0.256612	0.371474	-6.82331	7.5827	7.595689	7.531572	7.370635	7.411868	7.295592	7.540081	7.55392	7.454849	7.265217	7.285495	7.216486	7.284341	7.243018	7.252369	7.190954	7.189555	7.254681
COPA	ENSG0000	-0.1204	8.591803	-3.82347	0.001302	0.005782	-2.01145	8.620164	8.692657	8.649036	8.85768	8.773197	8.814821	8.574885	8.516462	8.494352	8.572704	8.546299	8.523859	8.588055	8.575606	8.626267	8.427419	8.410213	8.458586
RBBP6	ENSG0000	-0.24796	6.39714	-4.85622	0.000137	0.000975	0.426023	6.846647	6.778297	6.807875	6.495146	6.478657	6.463697	6.424199	6.436841	6.342446	6.296058	6.371473	6.360483	6.165063	6.211726	6.258452	6.294279	6.265761	6.171428
ZC3H7A	ENSG0000	0.143697	5.628375	3.137875	0.005844	0.019068	-3.15925	6.183009	6.110011	6.093496	6.37999	6.350594	6.347775	6.417699	6.291095	6.33406	5.060666	4.925369	4.965822	5.170617	5.046305	5.128745	4.996928	5.033479	5.06679
SERAC1	ENSG0000	0.402247	2.600179	2.664372	0.016076	0.042371	-3.47469	2.649532	2.356396	2.758051	3.441022	2.835252	3.377995	3.440463	3.196885	3.023464	2.320032	2.604605	2.409144	3.066031	2.837366	3.096004	2.568742	2.447571	2.610232
ANXA11	ENSG0000	0.320116	7.60195	3.036227	0.007281	0.022529	-3.63761	7.667383	7.652978	7.653214	7.503685	7.662302	7.549743	8.038596	7.896766	8.009143	7.157735	7.12833	7.206649	7.81485	7.783073	7.80374	7.506884	7.461718	7.478674
SHLD2	ENSG0000	0.042049	5.393433	0.519166	0.610157	0.711808	-7.08492	6.033379	6.011704	5.897758	6.241251	6.101599	6.156332	5.997126	6.121786	5.978177	4.902409	4.893523	4.892917	4.639246	4.627193	4.531543	4.950708	4.877699	4.926702
PRXL2A	ENSG0000	0.354947	5.28904	5.019594	9.70E-05	0.00074	0.989398	5.672757	5.678322	5.530827	6.213684	6.039053	6.156332	6.124988	6.090306	6.017985	4.359822	4.427694	4.48516	5.062552	5.117812	5.042146	4.574001	4.769683	4.597643
ZNF205	ENSG0000	0.203409	3.696306	2.147652	0.046036	0.097212	-4.78344	3.408783	3.58855	3.576275	3.441022	3.747367	3.445903	3.988671	3.82184	3.924645	3.709722	3.854512	4.046548	4.055062	4.067774	4.040604	4.067877	4.005291	3.761956
NAA60	ENSG0000	0.682498	5.609035	6.948853	2.02E-06	3.76E-05	4.837742	4.984965	5.018804	5.214556	5.982771	6.036494	5.984314	6.244885	5.916187	6.178819	5.262384	5.186564	5.195378	5.94276	5.777993	5.892029	5.562876	5.572787	5.575386
RPL5	ENSG0000	-0.05869	9.522104	-1.46959	0.159443	0.256652	-6.59528	9.822758	9.78748	9.76584	9.549643	9.530123	9.517118	9.71083	9.759576	9.733869	9.448835	9.400993	9.350669	9.279752	9.368833	9.384994	9.285645	9.354652	9.383109
ODF2L	ENSG0000	-0.13068	4.114704	-2.11756	0.04883	0.101784	-4.99747	3.530804	3.505362	3.347346	3.503067	3.48743	3.689474	3.219115	3.491964	3.453254	4.883704	4.976009	4.855034	5.237136	5.074229	5.227188	4.67445	4.847164	4.775955
TRMT13	ENSG0000	-0.05469	4.634688	-0.73855	0.469984	0.589778	-6.95101	3.783815	3.638208	3.65856	3.740513	3.546181	3.776446	4.154215	4.050434	4.112876	5.766469	5.792202	5.776944	5.394571	5.381888	5.420597	5.610871	5.504857	5.585495
RWDD3	ENSG0000	-0.57822	0.55475	-3.60942	0.002085	0.00835	-1.29145	1.384302	1.226787	1.54317	1.457877	1.437317	1.526279	0.782422	0.915275	1.01237	1.586365	1.190799	1.387696	1.776519	1.819936	1.610309	1.214313	1.072305	1.222783
ZNF644	ENSG0000	-0.09857	6.266484	-2.26275	0.03665	0.081183	-5.05208	6.530219	6.410744	6.428564	6.185579	6.046703	6.184435	6.4068	6.486052	6.3632	6.365112	6.365154	6.353707	6.04896	6.164448	6.158453	6.203286	6.18124	6.262455
CCDC18	ENSG0000	0.120628	2.304225	0.862074	0.400321	0.521901	-6.25447	2.345296	2.37994	2.351095	2.359902	1.909591	2.22781	2.545421	3.023117	2.239236	3.216534	3.044983	3.149392	2.079215	2.148862	2.200805	3.218571	3.116085	3.107809
RPAP2	ENSG0000	0.006802	4.993689	0.13493	0.894209	0.92938	-7.20419	5.053202	5.011285	4.870617	4.955356	4.842803	5.010886	4.877071	4.981823	4.88411	5.131086	5.203192	5.007428	5.102982	5.191052	5.103047	5.182472	5.115482	5.194471
SLC66A2	ENSG0000	-0.08348	4.944126	-0.78825	0.441114	0.562017	-6.89216	5.125418	4.961437	5.060398	4.448742	4.776871	4.592471	4.751751	4.670823	4.694053	5.117808	4.96212	5.170532	5.354592	5.287239	5.395412	5.293385	5.261569	4.942519
BBS9	ENSG0000	-0.00286	3.180466	-0.01922	0.984879	0.990163	-6.7051	3.487617	3.829904	3.334887	3.57705	3.362223	3.700636	3.440463	3.40015	3.218306	2.763691	2.924094	2.920951	3.730461	3.695921	3.65138	3.022222	3.127424	2.944608
PMS2	ENSG0000	0.3323	4.226802	4.970054	0.000108	0.000804	1.074311	4.473109	4.372133	4.370098	4.955356	4.987618	5.089421	4.851577	4.753535	4.764393	3.568508	3.647924	3.573456	4.131114	4.210485	4.315833	3.894879	3.659719	3.95366
ZMIZ2	ENSG0000	-0.0013	6.411284	-0.00743	0.994152	0.99576	-7.43428	6.683998	6.720684	6.840189	6.137487	6.108926	6.168443	6.054115	5.959717	6.079477	6.116785	6.169921	6.204472	6.822688	6.739561	6.734058	6.776536	6.711341	6.695945
SEPTIN7	ENSG0000	0.201572	7.276327	5.1606	7.19E-05	0.000585	1.001374	7.297908	7.379856	7.336029	7.517843	7.488766	7.578014	7.595845	7.615604	7.627762	7.070141	7.058247	6.988354	6.984624	7.051222	7.060093	7.161416	7.140033	7.197332
EEPD1	ENSG0000	-0.40766	1.671532	-1.7517	0.097352	0.175095	-5.00907	1.475543	1.420874	1.54317	2.021307	1.817192	2.098749	1.525136	1.549165	1.918715	3.113269	2.889287	3.117748	2.209661	1.819936	2.07955	2.554269	2.37332	2.374055
KLHL7	ENSG0000	0.092833	4.840581	0.923235	0.368456	0.490219	-6.68035	5.20423	5.214829	5.238162	5.325276	5.248674	5.234723	5.448564	5.462247	5.443658	4.412971	4.274276	4.34529	4.86884	4.843827	4.653399	4.258497	4.237539	4.38838
HERPUD2	ENSG0000	-0.07963	4.661024	-0.84562	0.409192	0.53102	-6.7499	4.772011	4.860445	4.691656	4.921675	4.831037	4.745826	4.31208	4.519046	4.322386	4.417313	4.517806	4.755733	4.980412	5.112436	5.082154	4.802439	4.680124	4.627304
CBX3	ENSG0000	0.029512	7.927881	0.888539	0.386316	0.508213	-7.15094	8.358481	8.359358	8.312672	8.272165	8.24443	8.235585	8.331517	8.449333	8.394049	7.643853	7.623082	7.582334	7.355203	7.406252	7.372315	7.613256	7.625113	7.637721
HNRNPA2B	ENSG0000	0.258207	9.518854	4.345047	0.000415	0.002318	-0.92769	9.467795	9.501676	9.398739	9.483852	9.449696	9.49565	9.841017	9.972943	9.944944	9.523487	9.513836	9.500146	9.173109	9.215853	9.163277	9.537958	9.560284	9.632165
FAM126A	ENSG0000	0.37342	5.848649	6.584284	4.04E-06	6.37E-05	4.063656	5.53637	5.438728	5.508813	5.49519	5.565074	5.637476	6.116986	6.027768	5.959217	5.934924	5.91264	5.935092	6.003597	6.100712	6.059045	6.171633	6.209523	6.132312
HOXA7	ENSG0000	-0.18954	-0.88031	-0.34866	0.731508	0.81024	-5.79051	1.927307	2.332462	2.049454	2.255624	2.787348	2.805104	2.058296	1.85606	1.674905	0.415169	0.330605	0.106501	0.106501	0.190544	0.106501	0.257084	0.19538	0.214669
INHBA	ENSG0000	-0.57324	3.690143	-4.75289	0.000172	0.001157	0.730186	6.620446	6.706787	6.714788	3.740513	3.747367	3.91707	6.09814	5.891111	5.956488	3.058725	2.912585	2.86487	1.27873	1.16289	1.355599	2.807136	2.934355	2.880366
FKBP9	ENSG0000	1.365025	6.486604	13.23201	1.54E-10	2.67E-08	14.45306	6.213149	6.314753	6.111867	8.022987	7.918648	7.945997	7.843868	7.859905	7.934142	4.816256	5.069663	4.983487	6.154977	6.205427	6.13582	5.862149	5.830372	5.923032
NT5C3A	ENSG0000	-0.17549	5.259507	-2.88033	0.010175	0.029486	-3.71096	5.665509	5.83559	5.690917	4.938614	4.807214	4.956049	5.37889	5.364416	5.300358	5.495847	5.427994	5.473689	4.881128	4.8854	4.894173	5.450134	5.493948	5.43987
ARL4A	ENSG0000	-0.03136	5.051551	-0.38964	0.70151	0.787206	-7.04826	5.391599	5.482886	5.455144	6.209037	6.049244	6.166432	5.56294	5.477302	5.482116	4.472601	4.521599	4.466439	4.647902	4.689902	4.739314	4.414877	4.268595	4.311289
CCZ1	ENSG0000	0.243263	4.174691	3.980282	0.000923	0.004382	-1.10053	4.179456	4.12286	3.979882	4.416862	4.447623	4.543715	4.274204	4.497055	4.497806	3.956418	4.01918	4.003908	4.359059	4.394504	4.472558	4.161567	4.128907	4.150354
POLM	ENSG0000	-0.22968	3.845806	-3.13368	0.005897	0.019216	-2.83936	3.975752	3.983805	4.208773	4.041626	4.149079	4.071231	4.068294	4.050434	3.808383	3.950439	4.008408	3.848714	4.011012	3.999514	4.007743	3.552967	3.705831	3.601852
MRM2	ENSG0000	-0.04492	6.134851	-1.08728	0.291679	0.410228	-6.79217	6.455142	6.465415	6.33157	6.161733	6.089305	6.096318	6.222684	6.389876	6.361138	6.092554	6.045033	6.148806	5.870643	5.839488	5.959454	6.106165	6.098677	6.076062
SMU1	ENSG0000	-0.3835	6.304886	-6.54987	4.31E-06	6.67E-05	3.955889	6.840224	6.825146	6.8191	6.025677	6.142633	6.208094	6.254643	6.471088	6.273953	6.401729	6.398541	6.474961	6.099266	6.066366	6.073672	6.150139	6.115856	6.189767
GLIPR2	ENSG0000	0.230099	2.177905	2.249748	0.037614	0.082866	-4.27618	1.755904	1.670392	1.667608	2.48816	2.193078	2.374422	1.762502	1.430416	1.50602	2.918737	2.741	2.776437	3.593793	3.528394	3.540876	3.083983	3.171908	3.121769
SLC25A51	ENSG0000	-0.18644	3.528949	-2.41169	0.027127	0.063979	-4.33001	3.530804	3.537122	3.466347	2.955742	2.737798	2.998412	3.094248	3.302095	3.064594	4.276236	4.340194	4.178935	3.937609	3.933972	4.067427	4.127753	4.328771	4.022248
CLTA	ENSG0000	-0.09525	7.277759	-2.24068	0.0383	0.08404	-5.19106	7.286141	7.275453	7.277015	7.260438	7.31805	7.264901	7.199673	7.143995	7.337046	7.268224	7.303232	7.421544	7.36792	7.416105	7.431845	7.290366	7.167755	7.142752
RECK	ENSG0000	0.864412	1.54139	5.682525	2.43E-05	0.000251	2.790369	2.762544	2.655462	2.739267	4.375995	4.009905	4.210498	3.423261	3.619579	3.572114	0.7264	0.695454	0.639567	1.308151	1.077171	1.247156	1.017342	0.924142	0.805046
ACO1	ENSG0000	-0.27836	5.702988	-1.47197	0.158806	0.25581	-6.23129	5.912046	5.865087	5.920865	6.234408	6.159196	6.280554	6.179794	6.212301	6.269562	6.10741	5.868645	5.950891	5.092452	4.913495	4.96721	5.107626	5.015283	5.144062
DCAF10	ENSG0000	0.429502	5.411851	8.102309	2.52E-07	7.21E-06	6.970135	5.403266	5.127117	5.303557	5.404628	5.568621	5.578188	5.597858	5.643348	5.59521	5.136363	5.085124	5.109498	5.551958	5.546423	5.60033	5.596816	5.545575	5.649533
KIAA1549	ENSG0000	-0.01017	5.687587	-0.11295	0.911359	0.941496	-7.23357	6.309296	6.36133	6.431492	6.887089	6.801626	6.978887	6.130298	6.189628	6.094449	4.742042	4.793538	4.542892	5.380791	5.280064	5.176344	5.064871	4.81246	5.000336
TRIM24	ENSG0000	0.071184	5.093645	0.687913	0.500536	0.617541	-6.9915	4.553837	4.511888	4.662041	5.16659	5.162106	5.276352	4.944941	4.837607	4.934903	5.424305	5.473744	5.513751	5.265535	5.253444	5.389047	5.42251	5.326959	5.359675
CYREN	ENSG0000	-0.21853	5.77824	-5.43941	4.01E-05	0.000376	1.76052	6.402344	6.416447	6.495858	5.958063	5.984333	5.986596	6.217704	6.247853	6.128792	5.647693	5.584869	5.671915	5.111351	5.136474	5.188613	5.496293	5.35134	5.491856
CALD1	ENSG0000	-0.20773	6.103314	-3.14115	0.005802	0.018976	-3.18896	7.116673	7.064623	7.047183	7.332696	7.377903	7.343559	6.668242	6.776637	6.706336	5.15208	5.082559	5.026725	5.382521	5.48534	5.455539	4.961717	5.106916	5.249549
PLAU	ENSG0000	-0.70326	8.914972	-2.25443	0.037264	0.082261	-5.30212	10.52309	10.44222	10.48537	7.57041	7.395984	7.429935	8.898821	8.800799	8.861185	9.039256	8.942664	9.019175	8.579221	8.490868	8.579746	9.111696	9.176103	9.18958
SRGN	ENSG0000	0.985007	2.119458	5.87337	1.65E-05	0.000188	3.034837	8.827858	8.842374	8.833588	9.199067	9.061988	9.119584	9.845261	9.81692	9.831675	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CHST3	ENSG0000	0.24183	4.166257	0.862425	0.400133	0.521799	-6.31478	5.928287	5.99083	5.918779	7.13256	7.235665	7.165683	6.225168	6.173542	6.064348	2.282443	2.285719	2.30059	2.193986	1.738515	1.923865	2.611312	2.48331	2.742606
BICC1	ENSG0000	-0.5446	1.363688	-2.25235	0.037419	0.082527	-3.88657	3.361722	3.370829	3.25779	4.199863	4.149079	4.162865	3.238915	2.702788	3.143496	0.834246	0.89579	1.219002	0.828978	0.837535	1.046067	0.393424	0.572487	0.497646
CISD1	ENSG0000	0.044619	4.763419	0.613883	0.5472	0.65798	-6.91984	5.253402	5.407565	5.20089	5.072529	5.171467	5.155812	5.494585	5.5324	5.500968	4.395472	4.479316	4.542892	4.076593	4.240369	4.302347	4.37013	4.258317	4.323421
ECD	ENSG0000	-0.32617	5.882924	-5.2793	5.60E-05	0.00048	1.417249	6.692344	6.698619	6.71599	6.164136	6.11379	6.075031	6.278754	6.34544	6.369368	5.564009	5.542561	5.692199	5.2599	5.40626	5.430962	5.317154	5.256415	5.450971
P4HA1	ENSG0000	0.804801	6.681578	5.983702	1.32E-05	0.000158	2.82314	7.07716	7.143257	7.020203	7.856204	7.754725	7.830703	7.918662	7.97177	7.934836	5.621589	5.709818	5.584909	5.356354	5.410647	5.403856	6.289918	6.37325	6.339143
SLC25A16	ENSG0000	0.289519	3.178243	1.986619	0.062873	0.124223	-4.83251	3.313074	3.547555	3.500214	3.766043	3.6964	4.170914	4.034706	4.147745	4.103038	2.955028	2.924094	2.826234	3.004458	3.098942	2.918805	2.583072	2.813204	2.81313
ZWINT	ENSG0000	-0.23309	5.563524	-1.47339	0.158429	0.255347	-6.22522	6.766485	6.820852	6.727949	5.636843	5.710229	5.738416	6.638736	6.779676	6.719273	5.828099	5.71148	5.782	3.346841	3.470735	3.335521	5.416521	5.261569	5.277879

VPS26A	ENSG0000	-0.09736	6.461217	-1.83221	0.084016	0.156036	-5.79891	6.925625	6.986256	6.872872	6.775246	6.744756	6.680757	6.917408	6.928136	6.88487	6.151081	6.169921	6.162441	6.13562	6.197832	6.1154	6.002031	5.917862	6.048921
RBM19	ENSG0000	-0.03807	5.119974	-0.88691	0.387169	0.508807	-6.83188	4.996565	5.066741	5.116065	5.077635	5.019069	5.055043	5.173034	5.103252	5.062209	5.295783	5.294698	5.27464	5.343978	5.226323	5.253122	5.201172	5.198461	5.164438
CIT	ENSG0000	0.553737	3.999696	5.121729	7.81E-05	0.000625	1.343304	3.443098	3.537122	3.334887	3.910405	3.722109	3.765857	4.420085	4.576102	4.388669	4.167027	4.296585	4.235316	4.249584	4.056619	4.179864	4.489042	4.437531	4.472495
IFT81	ENSG0000	0.003836	4.535292	0.05016	0.960563	0.97473	-7.03094	4.605251	4.769782	4.441562	5.171375	5.321958	5.380668	4.445869	4.715948	4.578115	3.950439	4.265255	4.124247	4.883573	4.797675	4.938437	4.067877	4.273707	4.087723
ACADS	ENSG0000	0.333629	3.73781	1.946668	0.06783	0.131819	-4.99763	4.439509	4.429669	4.418131	4.517996	4.594038	4.473866	4.758625	4.831761	4.542164	2.558849	2.727926	2.816411	3.599754	3.826433	3.78667	2.946659	3.160915	3.121769
HVCN1	ENSG0000	1.535083	-0.83404	3.739182	0.001567	0.00668	-0.9995	1.927307	1.883052	1.667608	2.840308	2.71237	2.581827	3.158032	3.214961	3.084728	0.34397	0.106501	0.106501	0.171976	0.106501	0.106501	0.183756	0.19538	0.315289
DDX54	ENSG0000	-0.16972	7.064002	-2.39504	0.028063	0.06572	-4.88742	7.318849	7.300344	7.435653	6.821637	7.087775	6.881703	6.96425	6.993736	6.995353	7.027464	7.010459	7.190104	7.070829	6.971059	7.03653	7.156633	7.125263	6.965411
MED13L	ENSG0000	-0.18381	6.495416	-1.21872	0.239144	0.351153	-6.69765	6.843439	6.80572	6.898496	5.910205	5.943937	5.923682	6.795693	6.687205	6.62102	6.556385	6.708278	6.396367	6.69278	6.666234	6.701892	6.330827	6.375629	6.362847
CDKN2C	ENSG0000	0.446231	1.989821	0.877382	0.39218	0.51378	-6.02394	1.826927	1.465573	1.853768	3.392671	3.709312	3.498018	2.26554	2.777669	2.798137	2.543041	2.632935	2.796562	1.392977	1.495836	1.129895	2.368215	2.354144	2.464474
RNF11	ENSG0000	0.263942	6.16883	4.799475	0.000155	0.001072	0.333412	5.684757	5.699529	5.618241	6.396431	6.381172	6.442243	6.065248	6.171229	6.145661	6.103374	6.111977	5.986368	6.685091	6.672641	6.729026	6.158536	6.139849	6.227376
RASSF8	ENSG0000	0.555735	6.379752	4.4143	0.000357	0.002059	-0.37248	7.73415	7.822046	7.819489	8.383567	8.322658	8.411904	8.653057	8.552005	8.551077	4.404248	4.419586	4.375708	5.007568	4.950123	4.909079	4.466031	4.395944	4.292899
BHLHE41	ENSG0000	-1.55933	2.228503	-7.14895	1.39E-06	2.78E-05	5.552397	3.691678	3.968357	3.93931	1.326771	1.307481	1.188496	2.01302	2.029503	1.826075	3.637124	3.486521	3.543997	2.466086	2.21055	2.312654	2.692858	2.354144	2.442395
SSPN	ENSG0000	-0.09853	0.658552	-0.44831	0.659434	0.754706	-6.11253	1.642349	1.915637	1.499186	0.841981	0.828511	0.746642	1.588238	1.710758	1.38134	1.278001	1.55885	1.718241	1.644349	1.357245	1.209118	1.482378	1.547811	1.461048
ITPR2	ENSG0000	0.750302	2.534786	3.648821	0.001912	0.007812	-1.35555	3.288121	3.777682	3.55495	4.152252	4.343809	4.330328	4.591583	4.221128	4.141991	1.423238	1.152172	1.248523	2.329284	2.148862	2.399663	1.734264	1.442809	1.58715
CCDC91	ENSG0000	-0.14244	4.673062	-3.07523	0.006693	0.021213	-3.20337	4.428132	4.446492	4.418131	4.487626	4.384626	4.524999	4.245129	4.221128	4.279358	5.115138	5.172157	5.199163	5.025392	5.032138	5.058283	5.062316	4.999943	5.077574
WWP1	ENSG0000	-0.11689	6.648914	-2.31374	0.033085	0.074966	-4.9859	6.612929	6.626635	6.709972	6.882719	6.829982	6.821621	6.51834	6.612464	6.550385	6.603825	6.518228	6.514988	6.974338	6.931915	7.007735	6.332948	6.475502	6.424686
ACOT9	ENSG0000	-0.24779	6.066012	-2.31439	0.033042	0.074886	-4.90098	6.819693	6.844314	6.831347	6.270533	6.30028	6.297196	6.237523	6.263136	6.276143	5.569872	5.592102	5.705565	5.850787	5.734908	5.866291	5.717014	5.739082	5.687573
PRDX4	ENSG0000	0.070277	7.479167	0.614344	0.546903	0.657936	-7.30456	8.109731	8.136026	8.110083	8.568134	8.491928	8.50955	8.152586	8.208395	8.194266	6.778529	6.754138	6.87107	6.386372	6.476295	6.431551	6.859077	6.859786	6.90312
DDX39A	ENSG0000	0.438806	6.144402	4.687282	0.000198	0.001288	0.082829	6.014486	5.942235	6.013674	6.229828	6.263548	6.19434	6.749855	6.759804	6.835226	6.122114	5.948304	6.103077	5.759221	5.818179	5.743594	6.184612	6.18667	6.116712
PKN1	ENSG0000	-0.23047	6.725731	-1.82717	0.084801	0.157028	-5.85453	7.237276	7.164596	7.198393	6.635072	6.801626	6.549545	6.393612	6.467323	6.550385	6.59139	6.467021	6.709968	6.724496	6.715826	6.725662	6.923138	6.745776	6.717939
TRIR	ENSG0000	0.018854	6.509603	0.360462	0.722821	0.803617	-7.37289	6.42255	6.491317	6.647119	6.608857	6.615263	6.497692	6.514283	6.411592	6.573723	6.421317	6.513474	6.585363	6.483058	6.517557	6.501083	6.636707	6.624981	6.400554
ADGRE5	ENSG0000	-0.27956	5.886882	-3.01332	0.007649	0.023472	-3.50415	6.516856	6.439039	6.534505	5.988204	6.076905	5.877705	5.943836	5.81612	5.830996	5.76817	5.701482	5.804535	5.585386	5.495702	5.622205	5.870936	5.789916	5.760771
WDR83	ENSG0000	-0.20643	3.054137	-1.99547	0.06182	0.122683	-4.86514	3.156438	3.07157	3.25779	3.123142	3.151334	2.961768	3.158032	2.938616	3.162566	3.394446	3.278101	3.353367	3.680716	3.614588	3.429496	2.924322	3.287607	3.107809
GIPC1	ENSG0000	-0.34726	7.059326	-2.581	0.019136	0.048549	-4.53251	6.862581	6.825146	6.986749	6.617648	6.925745	6.680757	5.882222	5.795247	6.017985	7.427913	7.433765	7.638815	7.844019	7.809478	7.766165	7.641773	7.642011	7.492842
SPRYD7	ENSG0000	0.136671	4.161356	2.334467	0.031731	0.072381	-4.52735	4.450796	4.574447	4.288462	4.359318	4.249727	4.178918	4.599263	4.59002	4.534865	4.119853	4.176619	3.990867	3.88976	3.819851	3.916269	4.194605	4.178806	4.274271
EBPL	ENSG0000	0.23097	4.983382	3.284445	0.004248	0.014797	-2.7672	5.011887	5.151261	5.231457	5.20443	5.26188	5.283793	5.409787	5.38452	5.211591	4.569418	4.662249	4.572373	5.018734	4.897954	5.141424	4.891489	4.729324	4.918728
ATP7B	ENSG0000	-0.10226	1.590254	-0.46263	0.649334	0.746085	-6.09427	2.629805	2.356396	2.883112	3.714523	3.457132	3.535905	2.576877	3.002451	2.697131	1.073118	1.644832	1.219002	1.711947	1.393161	1.580823	1.017342	0.759002	1.058313
ZC3H13	ENSG0000	-0.17182	6.456059	-3.91763	0.001059	0.004896	-1.64529	6.380377	6.380424	6.42563	6.263828	6.149755	6.363663	6.187456	6.243457	6.254089	6.704962	6.706613	6.670299	6.712168	6.730816	6.763883	6.444083	6.551125	6.583172
GUCY1B2	ENSG0000	0.597017	0.799491	3.504797	0.002623	0.010098	-1.5135	1.010037	0.736739	0.598525	2.143217	1.718467	2.132113	1.240874	1.15884	1.171446	1.239286	1.435603	1.219002	2.314863	2.416542	2.497588	1.571317	1.442809	1.58715
NLN	ENSG0000	-0.26754	6.151289	-5.02221	9.64E-05	0.000737	0.821116	6.239421	6.290111	6.33157	6.250324	6.407159	6.317278	6.045709	6.060626	5.909288	6.165349	6.023794	6.168245	6.443833	6.397808	6.42638	5.896979	5.857862	5.870258
CENPK	ENSG0000	-0.11996	3.852267	-0.76533	0.454287	0.574811	-6.69866	4.600191	4.619648	4.48167	3.766043	3.683372	3.608819	4.599263	4.734864	4.563842	4.493314	4.51019	4.456986	2.385571	2.23054	2.276326	4.127753	4.106163	4.329449
OPTN	ENSG0000	-0.07612	4.565569	-0.88696	0.387142	0.508807	-6.73356	3.87042	4.204245	3.897563	4.152252	4.500575	4.531264	3.80164	3.711575	3.437684	4.926979	4.893523	5.030978	5.84578	5.819829	5.818141	4.900099	5.036489	5.052285
ATF1	ENSG0000	0.026374	5.094482	0.338665	0.738897	0.816202	-7.12801	5.784032	5.863	5.753101	5.294904	5.309293	5.327654	5.97958	5.957035	6.004837	4.717605	4.699561	4.737631	4.400624	4.492955	4.516048	4.54135	4.592839	4.572451
TSFM	ENSG0000	-0.21919	4.887076	-3.29655	0.004138	0.014487	-2.73272	5.572986	5.482886	5.384366	4.821743	4.917027	5.00189	5.365443	5.323347	5.338588	4.85838	4.869913	4.760864	4.524863	4.525683	4.516048	4.609434	4.555551	4.461559
PFDN5	ENSG0000	-0.06168	7.539462	-0.89645	0.382192	0.503846	-7.11596	7.800722	7.791098	7.731338	7.681071	7.655647	7.64021	7.694141	7.718181	7.72156	7.290881	7.27486	7.294627	7.625155	7.624978	7.617089	7.145814	7.283774	7.264939
SPATS2	ENSG0000	-0.16937	5.013738	-2.44525	0.025328	0.06063	-4.43312	5.596044	5.713495	5.615668	5.969096	5.833285	5.906913	5.35187	5.431657	5.317474	4.35077	4.588222	4.444286	4.612964	4.53375	4.599282	4.426844	4.477953	4.370952
ORMDL2	ENSG0000	0.249862	5.365722	3.946904	0.000993	0.004653	-1.40873	4.965424	5.011285	4.777019	5.781554	5.713437	5.66623	5.396627	5.348128	5.388034	5.233128	5.240494	5.336087	5.780368	5.755749	5.77648	5.382106	5.334317	5.353773
NR4A1	ENSG0000	0.54128	5.304513	4.721577	0.000183	0.00122	0.480835	6.846647	6.686868	6.78516	7.267158	7.466124	7.246929	7.457992	7.391554	7.567337	3.560679	3.478738	3.555853	3.752032	3.576046	3.571181	3.508614	3.628139	3.432977
HOXC13	ENSG0000	-1.24173	1.170987	-5.97727	1.34E-05	0.000159	3.223457	5.572986	5.620197	5.571218	4.082842	4.416469	4.28655	4.402637	4.290959	4.339245	0.415169	0.462741	0.397516	0.171976	0.26996	0.335616	0.257084	0.358227	0.315289
CDK2	ENSG0000	-0.23905	5.377554	-2.7344	0.013873	0.037725	-4.06868	5.784032	5.754602	5.794633	4.384261	4.522687	4.537503	5.082792	5.314991	5.141238	6.063762	6.091707	6.218526	4.731716	4.901075	4.79815	6.140482	6.108723	6.12886
LRP1	ENSG0000	0.383316	5.151062	2.916767	0.009412	0.02771	-3.55969	4.973272	4.988492	5.105102	5.71757	5.891089	6.055601	5.300979	5.276779	5.197793	4.73162	5.011508	4.518865	5.038617	5.032138	4.992623	5.334197	5.115482	5.207621
ATG101	ENSG0000	0.003344	6.468731	0.076883	0.93959	0.961513	-7.43967	6.341489	6.22335	6.342502	6.290462	6.446246	6.360147	6.276361	6.205537	6.338259	6.649755	6.512522	6.728419	6.727901	6.665316	6.660208	6.700531	6.667352	6.604455
IKZF4	ENSG0000	0.275039	2.843433	2.203185	0.041261	0.089178	-4.4586	2.707144	2.356396	2.776595	2.633943	3.225109	3.086148	3.137083	3.302095	3.181386	3.123934	3.096753	3.077191	3.173846	3.338827	3.21594	3.181381	3.182818	2.944608
SMUG1	ENSG0000	-0.12113	5.550977	-3.14582	0.005744	0.018833	-3.18772	5.531062	5.544085	5.538996	5.502803	5.510796	5.556848	5.272444	5.293887	5.44755	5.698525	5.703153	5.714848	5.718713	5.750567	5.768329	5.655626	5.609638	5.668679
TUBA1B	ENSG0000	0.259004	9.561084	1.144494	0.267851	0.384344	-7.00078	9.70338	9.692837	9.639047	10.31265	10.30871	10.26734	10.03434	10.09448	10.0135	9.528763	9.397901	9.419912	8.356845	8.311872	8.297412	9.599166	9.582596	9.578449
EEF1AKMT	ENSG0000	-0.16718	2.861854	-2.23953	0.038387	0.084141	-4.40238	2.629805	2.836538	2.99819	3.06262	2.991399	2.94309	2.832807	2.650616	2.616448	3.265521	3.356645	3.232997	3.469097	3.445301	3.335521	3.152846	3.069818	3.135595
KBTBD4	ENSG0000	-0.14442	4.309834	-2.05183	0.055478	0.112513	-5.04858	4.538049	4.457599	4.339244	4.479932	4.635214	4.580436	4.437325	4.562048	4.151567	4.252132	4.251617	4.382382	4.527992	4.557684	4.427716	4.166333	4.017531	4.143528
ATPAF1	ENSG0000	0.082827	5.867704	2.368462	0.029621	0.068489	-4.77843	6.046458	6.125763	6.122779	6.132588	6.161547	6.1624	6.153955	6.207795	6.267362	5.587318	5.584869	5.629067	5.628298	5.633455	5.680705	5.687476	5.607615	5.663916
STIL	ENSG0000	0.068724	3.975625	0.496141	0.625976	0.725568	-6.9741	3.887134	3.863696	3.979882	3.408969	3.225109	3.405543	4.034706	4.282412	4.16108	5.012691	5.008809	4.983487	3.100071	3.272884	2.942182	4.882828	4.949728	5.037632
HJURP	ENSG0000	0.426424	4.753082	2.420853	0.026624	0.06312	-4.51902	5.727148	5.687786	5.587063	4.707799	4.801196	4.735009	6.33962	6.363784	6.31288	4.855183	4.956526	4.864598	2.329284	2.549802	2.433049	4.925625	4.930438	4.996553
AMD1	ENSG0000	0.68402	7.270291	10.63091	4.70E-09	3.58E-07	10.89455	7.55224	7.505583	7.448721	7.705193	7.706439	7.692167	8.168804	8.201045	8.166196	6.645134	6.631378	6.562039	6.386372	6.404423	6.403403	7.288727	7.255632	7.332523
NDUFAF4	ENSG0000	-0.21994	4.709731	-2.9636	0.008513	0.025602	-3.4088	5.362012	5.430295	5.241504	4.619522	4.500575	4.57438	5.178171	5.127313	5.193163	4.803043	4.679329	4.671058	4.330668	4.321825	4.342433	4.511692	4.372311	4.557121
USP45	ENSG0000	-0.24502	3.963855	-3.22268	0.00486	0.01651	-2.68625	4.387594	4.574447	4.441562	3.851999	4.249727	4.186878	4.31208	4.307901	4.22597	3.889238	4.132653	3.990867	3.778549	3.644697	3.849837	3.737235	3.675254	3.814473
MORF4L2	ENSG0000	-0.26021	8.947733	-3.92362	0.001045	0.004849	-1.80961	9.653574	9.653683	9.577256	9.313056	9.23407	9.240435	9.181852	9.130686	9.102773	8.648762	8.665515	8.695117	8.310123	8.379737	8.400693	8.650053	8.613886	8.664838
FAM199X	ENSG0000	-0.17638	6.591171	-5.02247	9.64E-05	0.000737	0.765372	6.924614	6.89115	6.8588	6.732178	6.685551	6.710052	6.741204	6.846424	6.719273	6.531566	6.589528	6.539079	6.388956	6.391163	6.373622	6.30188	6.308726	6.387612
RAB9A	ENSG0000	-0.2074	5.015029	-1.55893	0.136935	0.228087	-6.0015	5.278958	5.375715	5.123327	4.803367	4.933626	4.899045	5.08826	4.949799	5.082376	4.880563	4.869913	5.076957	5.397996	5.516205	5.467673	4.755763	4.721863	4.878182
METTL8	ENSG0000	-0.32574	4.564815	-3.38658	0.003399	0.012387	-2.45111	5.060589	5.091908	4.95851	4.898777	4.917027	4.946703	4.339849	4.511753	4.339245	4.460029	4.247042	4.421787	4.690417	4.707838	4.72927	4.450484	4.318914	4.21038
TTC21B	ENSG0000	0.173321	4.193138	1.488826	0.154355	0.249998	-5.82245	4.749336	4.710662	4.85325	5.384166	5.084948	5.30954	5.188389	5.007978	5.211591	3.772076	3.633975	3.419749	3.520276	3.528394	3.421201	3.366734	3.520448	3.455199
NMI	ENSG0000	-0.18069	5.270463	-1.7905	0.090711	0.165323	-5.77949	5.019487	4.909804	4.804386	4.181007	4.120365	3.97338	4.283766	4.373746	4.296723	6.140615	6.130724	6.290363	6.177072	6.246501	6.19053	6.229712	6.139849	6.193077
ACVR1C	ENSG0000	1.299635	2.213367	4.220768	0.000545	0.002882	-0.12535	3.827767	3.568199	3.638424	4.092964	3.546181	3.878271	5.223595	5.268148	5.202407	1.586365	1.55885	1.333627	0.982856	0.837535	0.760679	1.45147	1.072305	1.170016
BAZ2B	ENSG0000	0.404353	4.45144	3.450273	0.002956	0.011113	-2.27138	3.85351	3.920993	3.871922	5.303647	5.292232	5.276352	4.454362	4.59693	4.789145	4.266643	4.305413	3.93295	4.805779	5.029288	4.903135	4.199264	4.313961	4.280507
SLC36A1	ENSG0000	0.275302	4.705846	2.79822	0.012119	0.033946	-3.72657	4.172655	4.457599	4.332993	5.171375	5.029402	5.006395	5.082792	4.955186	4.929347	4.667452	4.658809	4.569452	4.973543	4.985845	4.958638	4.623367	4.542904	4.617485
LPGAT1	ENSG0000	-0.01638	6.768617	-0.44202	0.663898	0.758231	-7.33053	7.515086	7.603835	7.494946	7.481703	7.455626	7.427418	7.459048	7.536955	7.502399	6.072047	6.155347	6.088867	5.96602	6.01974	5.979365	6.049243	6.097236	6.207877
BATF3	ENSG0000	0.505154	-0.17764	1.391435	0.181552	0.283333	-5.01017	1.826927	1.173893	1.358564	1.888135	1.437317	1.575618	1.317361	1.301009	1.38134	0.34397	0.185134	0.594297	0.787801	0.784432	0.862212	0.837776	0.69947	0.659518
G0S2	ENSG0000	0.836841	0.690356	5.110203	8.00E-05	0.000637	1.618067	0.41387	0.736739	0.421314	0.52061	0.389229	0.563119	0.886508	0.915275	0.39151	2.943032	2.727926	2.806521	1.897591	2.127698	2.121111	3.743628	3.651889	3.30423
KCNJ2	ENSG0000	-1.49336	0.308268	-3.3674	0.003544	0.012783	-1.71553	4.674285	4.538284	4.288462	3.441022	3.242978	3.459109	3.352323	3.160038	3.124172	0.415169	0.185134	0.230035	0.407676	0.345231	0.533283	0.106501	0.106501	0.214669
RAP2C	ENSG0000	0.004972	6.153397	0.109449	0.914093	0.943232	-7.39446	6.333889	6.311696	6.274002	6.187942	6.099149	6.059941	6.400221	6.500862	6.389741	6.226009	6.167502	6.273409	5.854531	5.866886	5.822871	6.13927	6.076911	6.154551
EXOSC9	ENSG0000	-0.13929	5.214525	-2.38523	0.028629	0.066781	-4.6896	5.515021	5.410426	5.363051	4.910272	4.871804	4.864722	5.418495	5.423907	5.321722	5.647693	5.624209	5.678708	4.682014	4.770624	4.76576	5.436388	5.358575	5.531613
PLA2G12A	ENSG0000	0.016104	5.018143	0.378812	0.70939	0.793828	-7.15419	4.735558	4.738249	4.739702	4.772209	4.795153	4.983728	4.83866	4.796183	4.866774	5.274401	5.321056	5.363329	5.354592	5.32724	5.380516	5.271431	5.284541	5.311765
B9D2	ENSG0000	-0.01861	2.052615	-0.14469	0.886609	0.924486	-6.3596	3.071243	3.114308	2.700947	2.97776	2.926537	3.03415	2.779728	2.871824	2.915195	1.616888	1.644832	1.951531	2.062048	2.06228	2.036756	1.948641	1.82352	1.703111
COQ8B	ENSG0000	-0.25543	4.206394	-2.73388	0.013888	0.037725	-3.75371	4.29042	4.281283	4.370098	4.181007	4.416469	4.226032	4.293266	3.999201	3.890739	4.276236	4.219284	4.405499	4.755939	4.642195	4.695277	4.203908	4.128907	3.87342
PFKFB2	ENSG0000	-0.41851	5.198147	-9.02653	5.39E-08	2.31E-06	8.54291	4.969353	4.949684	4.817878	4.694564	4.726954	4.829562	4.629578	4.59002	4.436456	5.884069	5.984483	5.886627	5.799917	5.823124	5.829155	5.408497	5.485161	5.590523
ZNF137P	ENSG0000	0.15851	0.780041	1.08556	0.29242	0.411149	-5.74844	0.667115	0.736739	0.964748	0.934951	0.828511	0.830331	0.886508	0.915275	1.244857	2.338465	2.095243	1.896649	2.399306	2.581279	2.34809	2.115663	2.146913	2.091498
RAB38	ENSG0000	0.800961	3.275203	11.43633	1.53E-09	1.50E-07	12.20709	1.791852	1.849715	1.54317	2.48816	2.490996	2.455733	2.667326	2.451551	2.376228	4.421642	4.34876	4.362268	4.734427	4.853528	4.691833	5.122419	5.112633	5.088278
AGO2	ENSG0000	-0.23685	7.758634	-5.72909	2.21E-05	0.000234	2.145666	7.952856	7.90045	8.029267	7.037488	6.949065	7.097645	7.728685	7.715009	7.737544	8.399179	8.438073	8.206327	7.445266	7.404054	7.42512	8.188268	8.073906	8.056876
MXD4	ENSG0000	0.833615	5.488209	5.402964	4.33E-05	0.000397	1.83753	5.167074	5.288212	5.303557	7.142341	7.243452	7.049345	6.357843	6.232407	6.338259	3.702624	4.008408	4.025385	6.251843	6.200368	6.088153	4.526597	4.442079	4.223386
CKS2	ENSG0000	0.341334	5.744578	2.623437	0.017515	0.045284	-4.31149	5.706108	5.685425	5.573871	5.598277	5.514478	5.481188	6.386973	6.465436	6.369368	6.134034	6.06076	6.053763	4.91976	4.894826	4.920894	6.024518	6.076911	6.06346
DAW1	ENSG0000	-0.29823	2.159326	-1.03845	0.313215	0.432929	-5.61975	7.078979	6.969865	6.902723	4.072648	3.855857	4.162865	6.686381	6.687205	6.725698	0.834246	0.640699	0.54756	0.46104	0.26996	0.263213	0.393424	0.637375	0.497646
ACSL3	ENSG0000	0.015167	7.535544	0.087593	0.931196	0.954861	-7.53142	7.390938	7.418028	7.395726	8.045314	7.926272	8.024162	7.687852	7.768006	7.72156	7.752661	7.715395	7.777857	6.91701	6.92886	6.92362	7.480814	7.444823	7.469833
CHPF	ENSG0000	0.247491	7.318616	2.233988	0.038814	0.084893	-5.19646	6.637833	6.65827	6.799965	7.826936	7.908887	7.753079	6.713169	6.544401	6.668483	6.973201	7.071892	7.343752	8.113237	8.05204	8.02992	7.71517	7.711465	7.393491
DNPEP	ENSG0000	-0.3609	6.590854	-3.92404	0.001044	0.004847	-1.65055	6.653793	6.671448	6.801098	6.152084	6.325656	6.196313	5.922569	6.00976	5.877902	6.995152	6.968696	6.92177	6.916413	6.902624	6.900683	6.937847	6.941552	6.827408
OBSL1	ENSG0000	0.356112	4.835386	4.026567	0.000833	0.004043	-1.19192	2.688195	2.61635	2.916938	4.660937	4.982309	4.580436	3.602068	3.672864	3.543305	5.424305	5.601093	5.555685	7.175308	7.118474	7.16441	5.70232	5.862958	5.663916
SLC12A4	ENSG0000	-0.18331	5.662111	-2.55557	0.020174	0.050669	-4.30501	6.790005	6.772749	6.760919	6.851757	6.769624	6.772215	6.49383	6.438765	6.495043	4.493314	4.57368	4.706059	5.105079	4.804359	4.950015	4.602417	4.613145	4.587619
ENKD1	ENSG0000	-0.04078	3.593328	-0.3163	0.755519	0.828778	-6.91008	3.361722	3.450822	3.347346	3.325575	2.85862	3.136338	2.576877	2.623806	2.82232	4.161861	4.127684	4.282459	4.595172	4.657043	4.6463	4.469892	4.542904	4.115895
FAM210B	ENSG0000	1.073471	6.565317	3.9569	0.000971	0.004576	-1.46061	6.204839	6.325403	6.102711	8.789293	8.681579	8.724742	7.917894	7.925866	7.972467	5.312197	5.376563	5.396673	5.859507	5.956632	5.835411	5.44622	5.348921	5.385942
PI3	ENSG0000	-1.82694	-1.05397	-4.11741	0.000683	0.003437	-0.27125	4.772011	4.653851	4.611291	2.143217	1.768674	2.132113	2.667326	2.702788	2.937508	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SNX21	ENSG0000	0.104861	4.468973	1.112593	0.280952	0.398209	-6.45916	4.789897	4.830853	4.921495	4.43289	4.507984	4.440963	4.583863	4.677356	4.66091	4.242376	4.14254	4.338442	4.352013	4.53375	4.419411	4.609434	4.592839	4.562249
SLPI	ENSG0000	-0.50748	5.228781	-3.59843	0.002136	0.008507	-2.20122	5.019487	4.992316	5.002498	4.654117	4.628433	4.702062	3.586698	3.578282	3.513908	6.25662	6.19032	6.306242	6.032529	6.128944	6.13582	6.044073	6.128608	6.120193
WFDC3	ENSG0000	-0.84325	0.816403	-3.45948	0.002897	0.010931	-1.86253	1.602421	1.744817	1.78216	0.258133	0.25478	0.3528	0.548589	0.387194	0.256032	3.331423	3.584062	3.225594	2.357702	2.21055	2.312654	2.901634	2.881762	2.990979
TTPAL	ENSG0000	-0.22362	6.21473	-1.81922	0.086053	0.15877	-5.84371	6.32931	6.362808	6.275633	5.176143	5.064996	5.320436	5.712047	5.714958	5.650287	6.754707	6.79702	6.725141	6.635904	6.64125	6.664607	6.802028	6.796379	6.834843
SLC12A5	ENSG0000	0.666278	1.124207	3.775407	0.001447	0.006268	-0.99563	0.742531	1.420874	1.088647	2.063099	2.229385	2.098749	1.459147	1.760835	1.244857	1.586365	1.369793	1.413989	2.343563	2.326537	2.294605	1.708352	1.981819	1.877799
SDC4	ENSG0000	-0.87035	7.556729	-2.6879	0.015301	0.040743	-4.40973	7.57949	7.514918	7.467389	4.263984	4.301803	4.393601	5.570773	5.7054	5.548858	9.4838	9.414698	9.467958	9.405026	9.431972	9.435802	9.094138	9.149412	9.156055
NCOA3	ENSG0000	-0.30127	7.083768	-5.19103	6.75E-05	0.000554	1.076319	7.586543	7.594431	7.573932	6.915886	6.882225	7.041684	7.232141	7.262797	7.146671	7.112261	7.184439	7.02133	6.798921	6.884601	6.846735	6.892542	6.850408	6.880718
PIGT	ENSG0000	-0.10652	7.741287	-2.85719	0.01069	0.030661	-4.00854	7.931361	7.850765	7.918306	8.227493	8.374746	8.271118	7.860739	7.757253	7.854295	7.485391	7.379411	7.464239	7.771942	7.681894	7.72042	7.338672	7.279969	7.303726
NCOA5	ENSG0000	0.198391	6.505133	5.475825	3.72E-05	0.000352	1.732574	6.467698	6.535229	6.534505	6.400512	6.504813	6.499291	6.813958	6.703301	6.793019	6.466013	6.426122	6.445788	6.348819	6.365404	6.323319	6.638423	6.601797	6.520007
VAPB	ENSG0000	-0.07913	7.125638	-1.80826	0.087805	0.161181	-5.92755	7.48795	7.534064	7.45521	6.958031	6.928508	6.986888	7.287852	7.463253	7.401671	7.151232	7.067358	7.118463	6.800863	6.770613	6.859837	7.056849	7.076371	7.050889
PARD6B	ENSG0000	-0.60576	2.680792	-4.23952	0.000523	0.002791	-0.35898	2.505419	3.128277	2.883112	2.181668	1.768674	1.840725	1.762502	1.945386	1.674905	3.851231	3.817963	3.819506	3.746669	3.793216	3.849837	3.508614	3.467897	3.375875
ATP5F1E	ENSG0000	0.173073	7.680848	3.466545	0.002853	0.010812	-2.72196	7.714969	7.732291	7.710996	8.151436	8.088246	8.054932	7.945268	7.995494	8.04298	7.398017	7.427208	7.364545	7.398588	7.49156	7.469539	7.463975	7.424284	7.514168
CHD6	ENSG0000	-0.08035	5.524555	-1.53931	0.141636	0.233763	-6.13247	5.184082	5.113136	5.363051	5.529135	5.438974	5.602196	5.104539	5.018308	5.165072	5.678768	5.768456	5.631871	6.138693	6.131604	6.229054	5.570088	5.68063	5.687573
PLCG1	ENSG0000	-0.08362	5.73813	-1.62325	0.122434	0.209312	-6.01989	5.887335	5.850414	5.984061	6.05186	6.177895	6.057773	5.885366	5.848324	5.953754	5.589243	5.618907	5.451648	5.825576	5.614563	5.786202	5.428474	5.389513	5.391714
TOX2	ENSG0000	-0.42136	3.710417	-3.47207	0.002818	0.010719	-1.97865	5.86008	5.722732	5.799175	4.881362	4.911451	4.685302	5.257962	5.224202	5.18386	2.650221	2.632935	2.796562	2.112949	1.921808	1.923865	2.878584	2.711397	2.79582
SRSF6	ENSG0000	0.055185	8.131228	1.180411	0.253653	0.368237	-6.872	8.529586	8.520298	8.553814	8.177831	8.065832	8.138881	8.599503	8.674632	8.625979	7.865401	7.894634	7.935059	7.720556	7.69049	7.734296	7.929047	7.913688	7.891023
ARFGEF2	ENSG0000	-0.11414	6.91517	-2.9034	0.009686	0.028368	-3.84665	7.179931	7.187292	7.232374	7.284928	7.235665	7.429096	7.14956	7.117814	7.046293	6.70585	6.746055	6.621069	6.687192	6.688987	6.713826	6.581571	6.544796	6.547417
ZNFX1	ENSG0000	-0.32358	7.039173	-3.41837	0.00317	0.011716	-2.80164	6.480145	6.450203	6.534505	6.553121	6.622106	6.666596	6.037254	6.025209	5.983548	7.991965	7.982574	7.880714	7.557859	7.497243	7.52961	7.71517	7.722255	7.703597
CSE1L	ENSG0000	-0.28367	7.679088	-4.86198	0.000136	0.000966	0.308541	8.367442	8.347091	8.285415	7.237807	7.178779	7.297432	7.884502	7.975088	7.763537	8.014709	7.939628	7.93222	6.91999	6.838942	6.849829	7.860482	7.805347	7.864285
RAB22A	ENSG0000	-0.04976	6.479302	-1.01878	0.322201	0.441941	-6.91161	6.324716	6.299401	6.357977	6.470122	6.442385	6.466969	6.207692	6.450256	6.31288	6.706737	6.625221	6.746637	6.572154	6.599586	6.533189	6.62723	6.55952	6.62543
STAU1	ENSG0000	-0.16835	7.707538	-6.01667	1.23E-05	0.00015	2.759541	7.669196	7.706335	7.672526	7.58662	7.526643	7.540454	7.513911	7.543228	7.502399	7.927599	7.883624	7.946363	7.87875	7.874842	7.846569	7.745746	7.755977	7.743645
SNAI1	ENSG0000	0.03317	3.389138	0.291008	0.77447	0.841889	-6.83882	3.58303	3.505362	3.500214	2.933382	3.207016	3.136338	3.941119	3.84524	3.957772	3.93235	3.741965	4.190389	2.977243	3.032175	2.821313	3.799922	3.743163	3.707454
MOCS3	ENSG0000	-0.34613	5.087301	-3.1833	0.005295	0.017666	-3.0433	5.420591	5.381559	5.434857	4.612502	4.573001	4.645422	4.926746	4.855002	4.88411	5.228194	5.363942	5.442097	5.408221	5.313248	5.437146	5.177758	5.198461	5.063177
STX16	ENSG0000	-0.61194	5.922029	-5.38595	4.48E-05	0.000408	1.611747	6.77549	6.679772	6.797698	5.591153	5.442845	5.506852	5.958837	5.970398	5.909288	6.073423	6.078893	6.075545	5.756555	5.659495	5.795858	5.628249	5.670976	5.680517
PPP4R1L	ENSG0000	-0.27615	2.944825	-1.62704	0.121622	0.208329	-5.48229	3.349713	3.39414	3.296854	2.255624	2.333126	2.455733	3.004565	2.871824	3.084728	3.681119	3.509623	3.101662	3.53901	3.520297	3.361763	3.333216	3.081525	3.254409
PMEPA1	ENSG0000	-0.07504	8.169705	-0.63325	0.53477	0.647461	-7.37887	8.572198	8.588514	8.609178	7.800928	7.86773	7.890416	8.233766	8.160813	8.208098	7.919204	8.016234	8.058428	8.235997	8.161844	8.183714	8.329888	8.193358	8.118658
RNF114	ENSG0000	0.028817	7.103826	0.437847	0.66686	0.760516	-7.40446	7.359093	7.353341	7.335247	6.839784	6.96799	6.865676	7.296144	7.376576	7.314845	6.999502	6.98321	7.052	7.047577	6.960624	7.050042	7.095472	7.067569	7.100198
DDX27	ENSG0000	-0.07718	7.205765	-1.62751	0.121521	0.208182	-6.22354	6.875203	6.821926	6.779425	6.720799	6.709846	6.748208	6.662755	6.758264	6.665144	7.66089	7.585524	7.621643	7.850907	7.823942	7.845794	7.58461	7.607002	7.57251
BCAS4	ENSG0000	-0.25609	4.194882	-2.18833	0.042492	0.091284	-4.78103	4.664623	4.668265	4.749122	4.424898	4.400635	4.568299	3.953155	4.060466	3.890739	4.125171	4.035189	4.096105	4.268416	4.225504	4.223448	4.302461	4.247965	4.051715
KCNK15	ENSG0000	-0.31622	0.707149	-1.06836	0.29989	0.4188	-5.47486	1.475543	1.508929	1.54317	2.791417	3.012388	2.719893	1.240874	1.549165	1.01237	0.834246	0.583785	0.958181	2.027088	2.127698	2.23906	1.13872	0.816175	0.315289
ZBP1	ENSG0000	0.780193	-0.96172	4.318105	0.00044	0.002435	0.004833	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.461296	2.865607	2.604447	1.573426	2.21055	1.923865	3.236813	3.32748	3.498643
MTRR	ENSG0000	-0.24506	5.987622	-5.2786	5.61E-05	0.00048	1.394478	6.548721	6.506104	6.59844	6.190301	6.099149	6.289823	6.271563	6.258786	6.249637	5.836229	5.779586	5.770599	5.710474	5.633455	5.654408	5.602102	5.583118	5.627686
FASTKD3	ENSG0000	0.093867	4.16198	1.105297	0.284014	0.40159	-6.39408	4.610293	4.751848	4.537101	4.190466	3.967543	4.027574	4.730929	4.831761	4.66091	3.991785	4.045764	4.016833	3.95166	3.90938	3.886451	4.072963	4.059571	4.170642
PEPD	ENSG0000	-0.06886	5.218424	-1.2441	0.229889	0.340719	-6.39343	5.596044	5.544085	5.65879	6.080123	6.118637	6.031491	5.643139	5.640007	5.690258	4.663802	4.648439	4.735026	5.15451	5.014952	5.068941	4.511692	4.486784	4.416967
IQSEC2	ENSG0000	-0.49871	4.946178	-3.5371	0.002444	0.00952	-2.22255	5.227386	5.227863	5.152017	5.359221	5.473441	5.435149	4.772276	4.62424	4.84333	5.371579	5.113047	5.361641	4.580176	4.455227	4.635585	4.780845	4.740443	4.75819
STAMBP	ENSG0000	-0.15929	6.326483	-3.65869	0.001871	0.007686	-2.19364	6.39067	6.370174	6.330002	6.13993	6.230343	6.265599	6.215207	6.35158	6.336161	6.5195	6.50104	6.489715	6.386372	6.420828	6.447975	6.242181	6.275986	6.296701
NAGK	ENSG0000	0.070918	5.476296	1.23942	0.231575	0.342612	-6.50473	4.969353	4.945746	4.866295	5.842822	5.779205	5.799394	5.193472	5.155666	5.112107	5.56792	5.54815	5.55125	6.15801	6.024042	6.123092	5.494399	5.576928	5.483771
MCEE	ENSG0000	0.290603	2.928904	2.48724	0.023235	0.056706	-3.89155	2.850396	2.76681	2.830836	3.51817	3.560502	3.733615	3.388228	3.232814	3.586306	2.943032	2.674414	2.883807	3.27416	3.223865	3.19663	2.719047	2.827179	2.912845
PAIP2B	ENSG0000	0.061991	1.786147	0.710738	0.486623	0.604755	-6.36317	1.475543	1.277811	1.146821	1.326771	1.373859	1.310092	1.389995	1.301009	1.171446	3.196464	3.21391	2.992487	3.266686	3.338827	3.299771	3.218571	3.034117	3.340497
SNRNP27	ENSG0000	-0.32352	4.937245	-5.46755	3.78E-05	0.000357	1.908374	5.316463	5.278849	5.231457	4.440838	4.376555	4.627987	5.071794	5.083711	4.91817	5.360348	5.355466	5.313568	4.821167	4.843827	4.745971	4.96719	5.039493	4.958165
MPHOSPH	ENSG0000	0.038209	6.242307	0.929667	0.365207	0.487045	-6.97651	6.06494	6.059873	5.965997	6.01507	5.981675	6.156332	6.130298	6.205537	6.004837	6.520509	6.423083	6.502024	6.376858	6.425171	6.42845	6.492333	6.458768	6.505438
ATP8A1	ENSG0000	0.299077	4.99751	1.333033	0.199637	0.304534	-6.22761	3.819083	3.976101	3.863273	6.4407	6.313024	6.552629	4.877071	4.860754	4.770621	4.717605	4.950911	4.781207	5.733698	5.719076	5.711642	4.530299	4.629187	4.670683
USP22	ENSG0000	-0.15455	8.668934	-2.88391	0.010098	0.029303	-4.02225	9.198275	9.187014	9.183291	8.907999	8.895803	8.893233	8.962725	8.953949	8.952009	8.354311	8.306025	8.302923	8.455669	8.408812	8.407794	8.277157	8.235556	8.226354

POF1B	ENSG0000	-1.22735	2.1264	-5.78247	1.98E-05	0.000215	3.011994	3.983545	3.759847	3.773804	4.400654	4.56592	4.293939	2.696258	2.357042	2.34318	1.555182	1.467416	1.562415	1.838325	1.846087	1.610309	1.286141	1.16325	1.273688
ZNF576	ENSG0000	-0.10363	3.352932	-1.33391	0.199356	0.304202	-5.92049	3.443098	3.483793	3.443319	3.661095	3.574682	3.472196	3.296733	3.384264	3.4839	3.560679	3.605665	3.613714	3.475595	3.310934	3.65138	3.588914	3.449945	3.364179
ZNF45	ENSG0000	0.012189	5.009109	0.121998	0.904292	0.936647	-7.22325	4.500523	4.474101	4.542529	4.576883	4.600983	4.592471	4.716879	4.637703	4.795267	5.291059	5.283572	5.40489	5.94276	5.91709	5.999005	5.249139	5.299655	5.207621
LYPD3	ENSG0000	-0.1223	3.561541	-1.49741	0.152129	0.247296	-6.03621	2.218961	1.780637	2.049454	1.978268	2.117603	2.164723	2.696258	2.220554	2.588518	5.454194	5.452044	5.616386	5.119672	5.255884	5.200779	5.338427	5.276925	5.274758
USP9X	ENSG0000	-0.00407	7.617823	-0.07218	0.943279	0.963299	-7.52083	7.812801	7.895354	7.900979	8.211902	8.214177	8.442563	7.95727	7.95035	7.910367	7.133529	7.341824	7.070197	7.385278	7.33879	7.396317	7.120248	7.033319	7.14873
TRERF1	ENSG0000	-0.25252	3.960887	-1.8876	0.075799	0.144139	-5.35913	3.682132	3.505362	3.576275	3.472378	3.709312	3.632327	2.480375	2.451551	2.846105	5.004057	4.836805	4.956908	4.704315	4.869552	4.863891	4.999601	4.870969	4.878182
BTN2A2	ENSG0000	0.348112	3.00552	2.047729	0.055919	0.113245	-4.71997	3.142584	3.128277	3.044832	3.237064	3.132285	3.292047	3.747379	3.550079	3.543305	2.589954	2.804649	2.776437	3.507651	3.560336	3.563664	2.639009	3.093137	2.990979
SIRT5	ENSG0000	-0.73695	3.6919	-4.32721	0.000432	0.002398	-0.21471	4.969353	4.999934	5.11242	3.851999	3.934936	3.91707	3.953155	3.924273	3.968647	3.420635	3.390227	3.432666	3.281595	3.348006	3.586098	3.200096	3.225651	3.107809
MRS2	ENSG0000	-0.19777	5.882375	-4.11526	0.000686	0.003448	-1.12842	6.303082	6.343478	6.315808	5.955291	5.833285	5.918911	6.192541	6.133713	6.106808	5.795112	5.778001	6.000535	5.493931	5.614563	5.596651	5.680829	5.599495	5.680517
WRNIP1	ENSG0000	-0.09686	6.134971	-1.20342	0.244861	0.357881	-6.7014	5.876913	5.948154	5.963976	5.176143	5.300788	5.349094	5.387786	5.439365	5.459165	6.870067	6.786813	6.902168	6.480638	6.414288	6.513816	7.055565	6.984273	6.940028
RRP36	ENSG0000	0.322485	5.910112	7.670383	5.38E-07	1.32E-05	6.119728	5.468578	5.485601	5.440682	5.583994	5.791399	5.73299	5.869576	5.951655	5.809985	6.108753	6.043715	6.069355	6.152952	6.178667	6.170875	6.313743	6.299984	6.361377
BTN2A3P	ENSG0000	0.818187	0.351614	3.884716	0.001138	0.005186	-0.73301	0.814199	0.940485	0.756332	1.688986	1.2379	1.123626	1.459147	1.658879	1.01237	1.315703	0.986408	1.027938	1.392977	1.203912	1.129895	1.387593	1.581179	1.416439
SNRPC	ENSG0000	-0.40595	6.941661	-8.64946	9.99E-08	3.62E-06	7.758882	7.35309	7.292612	7.213784	6.629867	6.489925	6.583107	6.861031	6.808236	6.794548	7.409505	7.203454	7.280406	6.80989	6.793471	6.801117	6.936453	6.994371	6.916195
SERPINB6	ENSG0000	-0.04729	6.456961	-0.52888	0.60354	0.706069	-7.27972	6.859408	6.92155	6.852259	6.325226	6.510356	6.500888	6.818899	6.873704	6.826285	6.179477	6.237208	6.162441	6.360276	6.359742	6.311026	6.104924	6.100116	6.23221
XPO5	ENSG0000	-0.0951	6.875914	-1.38973	0.18206	0.28392	-6.53102	6.824039	6.810059	6.877174	6.327371	6.291721	6.381113	6.581733	6.497174	6.464636	7.257972	7.211108	7.141758	7.196604	7.126498	7.161923	7.350238	7.217014	7.282911
ABCC10	ENSG0000	-0.2041	4.650498	-3.26377	0.004444	0.015327	-2.80068	4.357924	4.306074	4.464617	4.367681	4.310303	4.226032	4.057185	3.935218	4.132351	5.104407	5.128054	5.119519	5.441792	5.44741	5.451472	5.036515	4.943327	4.988957
PEX6	ENSG0000	-0.14044	5.303747	-1.94015	0.068671	0.133163	-5.48296	4.921476	4.778666	4.826803	5.316663	5.3917	5.114677	4.80585	4.482206	4.606245	5.850748	5.65389	5.738449	5.997966	5.898468	5.879974	5.757061	5.629711	5.526375
NQO2	ENSG0000	0.563978	5.871915	3.515786	0.002561	0.009881	-2.39014	6.057576	6.143066	6.073013	6.73864	6.867902	6.840666	7.012497	7.051461	7.037282	5.286319	5.186564	5.413061	4.798023	4.80769	4.885155	5.41852	5.31213	5.296461
AL365205.	ENSG0000	-0.39899	0.770075	-1.67916	0.110908	0.193686	-4.82724	1.475543	1.631689	1.406977	1.688986	1.556428	1.526279	1.317361	1.549165	1.0941	1.646779	1.752042	0.993481	1.797417	1.681564	1.876113	0.974502	1.024588	1.504318
OARD1	ENSG0000	0.005326	4.178092	0.067398	0.94703	0.965605	-7.0704	4.179456	4.281283	4.011539	3.647423	3.709312	3.776446	4.122591	4.389749	4.235006	4.549776	4.399113	4.649089	4.305359	4.480488	4.448272	4.473742	4.525868	4.494122
AARS2	ENSG0000	-0.02015	4.474462	-0.38201	0.707057	0.791591	-7.08252	4.433832	4.446492	4.345467	3.988393	3.967543	3.678224	4.293266	4.273815	4.45204	5.004057	5.030268	4.998768	4.610014	4.668079	4.531543	5.007591	5.092525	4.946447
ZNF391	ENSG0000	0.604627	2.929575	4.910192	0.000122	0.000886	1.134997	2.416107	2.403106	2.194417	3.57705	3.188693	3.377995	3.277716	3.26787	3.181386	3.047564	3.023743	2.920951	3.395624	3.606961	3.494191	3.415594	3.149837	3.254409
RPS10	ENSG0000	-0.0883	1.836595	-0.77475	0.448843	0.569571	-6.16964	1.927307	2.068355	2.514675	1.688986	1.817192	1.956998	1.917967	1.85606	2.239236	2.461296	2.453955	2.546206	2.385571	2.344993	2.220059	2.539649	2.392244	2.464474
MOCS1	ENSG0000	1.059348	-1.29851	3.933802	0.001022	0.004767	-0.62785	1.894617	2.258179	1.818408	3.123142	3.151334	3.086148	2.724622	3.002451	3.236418	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
H2BC11	ENSG0000	0.145946	0.327977	0.67942	0.505771	0.621565	-6.18539	0.742531	0.316291	0.219246	0.52061	0.512209	0.461789	0.548589	0.824004	0.515351	2.722179	2.753956	2.766268	1.498836	1.871771	1.923865	2.782512	2.649824	2.760563
MED20	ENSG0000	-0.74502	5.343457	-7.47152	7.69E-07	1.74E-05	5.816641	5.924244	5.741029	5.668751	4.687901	4.621619	4.598452	4.845133	4.696781	4.819498	6.095267	5.932721	6.025264	5.609219	5.67599	5.54032	5.428474	5.444943	5.521118
TBCC	ENSG0000	0.059625	4.575957	0.844535	0.409782	0.531511	-6.81405	3.878801	3.928996	4.057757	4.009923	4.293254	4.10523	4.164604	3.913244	4.17992	5.240498	5.200828	5.375087	5.15451	5.203748	4.975731	5.365622	5.304658	5.21089
MAD2L1BF	ENSG0000	-0.05586	5.078907	-1.27491	0.219029	0.328245	-6.43305	4.941618	4.901694	4.715879	4.733909	4.831037	4.690911	4.7858	4.877874	4.878354	5.510146	5.461948	5.489229	5.399705	5.419382	5.378375	5.461813	5.380064	5.362617
KLHDC3	ENSG0000	-0.13932	5.818152	-1.72646	0.101897	0.181392	-5.94051	5.156772	4.95753	5.197454	4.97738	4.758354	4.859751	4.7858	4.68386	4.923769	6.669	6.631378	6.694633	7.094768	7.062418	7.016709	6.662239	6.618969	6.55
TREM1	ENSG0000	0.990226	0.485474	5.500691	3.53E-05	0.000339	2.342586	0.318509	0.499412	0.679585	0.395333	0.106501	0.106501	0.415731	0.726566	0.39151	2.930935	3.034402	2.855308	2.822733	2.770668	2.976553	3.889124	4.156841	3.601852
MEA1	ENSG0000	1.29278	5.770472	16.25709	5.44E-12	2.35E-09	17.78627	4.315334	3.976101	4.02711	5.749917	5.716638	5.73299	5.661594	5.592401	5.845819	5.621589	5.727989	5.718809	6.812458	6.80268	6.789886	6.802793	6.818409	6.765398
COL21A1	ENSG0000	-0.19373	-0.80313	-0.45496	0.654735	0.751045	-6.08483	0.216396	0.215206	0.106501	0.106501	0.106501	0.2349	0.269385	0.253663	0.256032	1.52331	1.435603	1.718241	3.5452	3.536446	3.62273	1.177011	1.2488	1.322858
CDKN1A	ENSG0000	-0.59559	8.569966	-3.80982	0.001342	0.005921	-2.01043	10.25706	10.29576	10.31228	9.285461	9.292078	9.232765	9.408013	9.348978	9.275296	7.479693	7.493406	7.550467	7.738227	7.729205	7.639608	7.39204	7.354835	7.26651
SOX4	ENSG0000	-0.21461	6.710117	-5.72476	2.23E-05	0.000236	2.239269	5.722499	5.798943	5.830573	6.610619	6.580549	6.526206	5.701383	5.692556	5.670411	7.232327	7.305434	7.272794	8.076841	8.058345	8.021714	6.990534	7.021973	6.965411
GLO1	ENSG0000	-0.42807	7.436774	-9.6324	2.08E-08	1.13E-06	9.337994	7.809517	7.848657	7.794117	6.97865	6.927127	6.906017	7.274724	7.35636	7.260567	8.006087	7.941045	8.021765	6.947712	7.028565	6.989618	7.634911	7.631597	7.665387
CPNE5	ENSG0000	-0.14728	-0.81242	-0.57318	0.573826	0.682007	-6.09357	0.587539	0.316291	0.323815	0.106501	0.25478	0.106501	0.106501	0.106501	0.256032	1.76051	1.922393	2.104662	1.621093	1.591687	1.550722	1.880661	2.101639	2.326628
RREB1	ENSG0000	0.197424	5.400263	2.505653	0.02237	0.054989	-4.47627	4.961483	5.030008	5.130553	5.025739	5.355198	5.246196	5.726144	5.400404	5.424038	5.600742	5.667648	5.554208	5.677036	5.644673	5.576251	5.629975	5.639643	5.552378
SSR1	ENSG0000	0.585818	7.643424	5.403941	4.32E-05	0.000396	1.490863	7.337212	7.371806	7.268033	8.068583	7.903982	8.019712	8.051249	8.116425	8.121824	7.427375	7.450277	7.399096	7.183765	7.22507	7.291005	7.801193	7.808433	7.874628
RIOK1	ENSG0000	-0.09321	5.516493	-1.17045	0.257534	0.372505	-6.63727	5.598583	5.610278	5.673707	4.97738	4.836932	4.903882	5.605504	5.666521	5.653661	5.866711	5.824803	5.865347	5.631211	5.546423	5.536486	5.616106	5.674845	5.802537
SLC35B3	ENSG0000	-0.04655	4.220682	-0.77551	0.448407	0.569171	-6.67304	4.232739	4.080378	4.117166	4.759555	4.764552	4.839695	3.904396	4.050434	4.16108	4.14101	4.071868	4.075663	4.72355	4.630959	4.613913	4.175819	4.071361	3.992166
RPP40	ENSG0000	-0.28093	3.986996	-3.86273	0.001195	0.005393	-1.36118	4.006674	4.217373	4.131643	3.753334	4.020303	3.643939	3.774765	3.633086	3.655245	4.359822	4.407337	4.293123	4.376523	4.293598	4.302347	4.132632	4.151298	4.280507
ATXN1	ENSG0000	-0.32704	5.424429	-2.2326	0.038921	0.085049	-4.95445	5.121892	4.980813	5.041355	6.038828	5.927456	6.059941	5.049544	5.169636	5.126746	5.744175	5.852172	5.739748	5.713225	5.574066	5.643753	5.15875	5.089629	5.246367
NUP153	ENSG0000	-0.0345	7.045112	-0.78263	0.444317	0.565137	-7.19678	7.052366	7.009084	7.049091	6.638531	6.634005	6.604065	7.040971	7.099686	7.01122	7.471887	7.474451	7.465025	6.751519	6.743914	6.7923	7.403188	7.357846	7.41986
DEK	ENSG0000	0.123817	7.237657	2.791691	0.012289	0.034359	-4.14478	6.74716	6.718377	6.739811	6.464286	6.488053	6.452185	6.947802	7.037562	6.932863	7.956603	7.945641	7.912471	7.367483	7.481168	7.351732	7.931499	7.995633	7.99849
EEF1E1	ENSG0000	-0.21869	3.244089	-2.19575	0.041873	0.09024	-4.59929	3.520128	3.370829	3.419917	3.456785	3.033076	3.216292	3.137083	3.335526	3.064594	3.812196	3.761343	3.804677	3.066031	3.173121	3.096004	3.545669	3.765107	3.55117
RUNX2	ENSG0000	-0.24703	1.868054	-1.62617	0.121808	0.208547	-5.80972	1.12723	1.002471	0.679585	0.635873	0.106501	0.657796	0.106501	0.253663	0.515351	5.552212	5.570294	5.564514	5.094564	5.16532	5.084783	5.559256	5.297147	5.356727
LRRFIP1	ENSG0000	-0.02717	7.130074	-0.38786	0.702801	0.788065	-7.41828	7.167157	7.164596	7.08487	7.451535	7.470871	7.508258	6.928119	6.947185	7.00463	6.999502	7.065411	7.010062	7.097404	7.136465	7.111262	7.096096	7.193606	7.096668
RAB17	ENSG0000	-0.07157	1.635003	-0.88002	0.390789	0.51243	-6.60301	0.742531	0.316291	0.421314	0.395333	0.625525	0.3528	0.670238	0.387194	0.39151	4.772865	4.702905	4.69538	5.132064	5.180814	5.11852	4.704254	4.551348	4.680149
EREG	ENSG0000	-0.30481	4.999265	-3.33361	0.003816	0.013574	-2.82232	4.439509	4.262405	4.288462	3.308302	3.394558	3.292047	3.440463	3.798055	3.373665	7.006724	6.837144	6.953487	5.471352	5.548415	5.565001	6.727389	6.760416	6.789649
MYRF	ENSG0000	0.491991	3.067916	3.565195	0.002297	0.009028	-1.86114	2.051128	2.596389	2.138168	2.864145	3.151334	2.784269	3.137083	2.960209	2.697131	3.75845	3.735447	3.784665	3.40246	3.479115	3.72061	4.171084	3.992947	4.150354
AHNAK	ENSG0000	-0.41676	8.621231	-1.9471	0.067774	0.131764	-5.85441	8.080963	8.121259	8.260106	6.183212	6.525036	6.693385	7.013934	7.072681	6.935637	10.02263	10.27984	9.731885	10.08698	10.00113	10.12959	10.0398	9.988538	10.12933
EMC3	ENSG0000	0.006044	6.210626	0.11707	0.90814	0.939266	-7.38792	6.153953	6.097639	6.162096	6.527227	6.401203	6.340657	6.290661	6.288964	6.321389	6.158881	6.135682	6.244398	6.337271	6.292394	6.244416	6.088695	6.078372	5.989254
SH3TC1	ENSG0000	0.773031	2.729406	3.623908	0.002019	0.008148	-1.51968	2.568952	2.37994	2.5366	3.791129	4.091068	3.838399	3.352323	2.916694	2.937508	2.18395	2.267764	2.627101	2.842976	2.985883	2.633039	3.190769	3.081525	2.928814
CNOT1	ENSG0000	0.095735	8.608015	2.526876	0.02141	0.053061	-4.73354	8.96628	8.989767	8.996939	8.988827	8.900032	9.016717	9.194581	9.147548	9.075365	8.215045	8.250539	8.078858	8.203584	8.16282	8.182488	8.214393	8.208118	8.224334
LRRC29	ENSG0000	-0.25124	0.794644	-1.00435	0.328914	0.448856	-5.58808	1.791852	1.591918	1.921989	2.21912	2.366112	2.098749	1.966276	1.15884	1.777424	0.88529	1.112482	0.958181	1.27873	1.846087	1.970087	0.884806	0.759002	0.93723
BBS2	ENSG0000	-0.42994	5.639874	-3.87433	0.001165	0.005284	-1.56522	6.686388	6.78272	6.61399	6.241251	6.066908	6.250487	6.14086	6.201009	6.131214	5.026968	5.035583	4.970258	5.252352	5.308554	5.227188	4.808549	4.710599	4.665927
MT2A	ENSG0000	0.173334	8.345949	1.065218	0.301272	0.420276	-7.02729	8.427592	8.331704	8.457617	8.361755	8.390364	8.223543	8.7171	8.598359	8.736687	8.755286	8.656056	8.568982	7.253008	7.35709	7.297817	8.688459	8.744808	8.749321
C16orf70	ENSG0000	-0.19456	5.344448	-3.58284	0.00221	0.008745	-2.2062	5.738706	5.651972	5.753101	5.468225	5.411586	5.525804	5.668911	5.623184	5.559688	5.43719	5.361828	5.381764	4.912595	4.894826	5.108223	5.095182	5.039493	5.233567
GOT2	ENSG0000	-0.02674	7.687347	-0.84662	0.408648	0.53062	-7.16289	8.419715	8.402026	8.358782	8.122698	8.069592	8.100417	8.385808	8.345473	8.289503	7.175787	7.133916	7.251537	6.945373	6.938007	7.002185	7.171527	7.196974	7.204729
DOK4	ENSG0000	0.377208	3.705509	3.279735	0.004292	0.014897	-2.40305	4.152058	4.15733	4.065319	4.960893	5.138434	4.946703	4.765467	4.709588	4.7071	2.817246	2.924094	3.026968	3.507651	3.310934	3.272365	2.979529	2.868308	2.742606
CLYBL	ENSG0000	-0.10688	2.545681	-0.72356	0.47891	0.597871	-6.25997	3.662849	3.676739	3.500214	2.633943	3.112982	3.103073	3.571163	3.564249	3.323715	2.204194	2.405511	2.16783	2.193986	2.344993	2.34809	2.192442	2.274787	2.174206
TMTC4	ENSG0000	-0.30708	4.238299	-4.54184	0.000271	0.001644	0.11522	4.798758	4.634406	4.509652	4.569652	4.675247	4.55606	4.283766	4.247712	4.279358	4.167027	4.301006	4.171248	4.139322	4.250194	4.155068	3.967679	4.151298	3.840032
RAP2A	ENSG0000	0.215645	4.809496	3.177178	0.005366	0.01785	-3.01379	4.478633	4.389636	4.492928	4.746789	4.668652	4.696497	4.576101	4.722281	4.606245	5.115138	4.992502	5.185873	4.998573	4.953134	4.964358	5.334197	5.365774	5.243178
ABCC4	ENSG0000	-0.37511	5.677809	-5.84456	1.75E-05	0.000197	2.619574	5.665509	5.708855	5.690917	6.038828	5.797458	6.004722	5.342749	5.510612	5.56328	5.896563	5.847646	5.922555	5.897506	5.76263	5.882997	5.479156	5.319564	5.394592
EFNB2	ENSG0000	0.045607	5.072391	0.4776	0.638853	0.737053	-7.23113	3.827767	3.7953	3.576275	3.325575	2.811499	3.26222	4.011872	4.256466	4.00079	6.741781	6.577735	6.676421	6.641694	6.545754	6.638906	6.737033	6.598745	6.576851
SOX21	ENSG0000	-0.27273	0.348706	-0.68896	0.499896	0.617093	-5.97967	0.814199	0.940485	0.756332	1.256461	1.087782	1.188496	0.782422	0.726566	0.39151	2.282443	1.989662	2.369387	1.218025	0.671977	0.760679	2.154563	2.054898	2.119598
TM9SF2	ENSG0000	0.183016	7.419883	4.156521	0.000627	0.003208	-1.20203	6.955649	7.018491	6.935067	7.590198	7.55553	7.548972	7.351757	7.278997	7.277066	7.415486	7.422144	7.457935	7.811644	7.818174	7.820394	7.520908	7.479524	7.458876
HROB	ENSG0000	-0.2563	2.272056	-1.39558	0.180321	0.281985	-5.72157	2.90065	2.886707	2.720234	1.688986	2.366112	1.757653	2.412257	2.451551	2.798137	3.584041	3.439177	3.647349	1.420179	1.495836	1.247156	3.39137	3.337278	3.340497
IRF1	ENSG0000	-0.4266	6.414996	-1.92938	0.070081	0.135284	-5.68681	7.026197	7.126826	7.110678	4.960893	5.235346	5.006395	6.034424	5.951655	6.025816	6.811067	6.777326	6.912578	6.713543	6.771466	6.653142	6.909699	6.955138	6.845398
UPF3B	ENSG0000	-0.05812	5.121741	-0.8839	0.388746	0.510361	-6.83128	5.590951	5.496413	5.37527	4.927344	4.992907	4.951383	5.401027	5.514266	5.427983	5.096306	5.100422	5.125498	4.92689	5.012067	4.897167	5.049474	5.027439	5.048636
RNF113A	ENSG0000	0.262462	4.662443	4.634326	0.000221	0.001403	0.195579	4.532747	4.446492	4.542529	4.694564	4.819175	4.735009	4.883375	4.610649	4.819498	4.762664	4.540416	4.657367	4.718081	4.739573	4.794943	4.936827	4.92395	4.810842
SEPTIN6	ENSG0000	0.333288	4.783311	6.340603	6.49E-06	9.15E-05	3.783307	5.071598	5.041126	5.11242	5.277258	5.296516	5.394483	5.531176	5.447033	5.383978	4.207702	4.205202	4.286022	4.483553	4.54975	4.329194	4.438712	4.49993	4.557121
NDUFA1	ENSG0000	0.0587	6.42163	0.931932	0.364067	0.48598	-6.94595	7.071687	7.053685	7.001604	6.882719	6.995921	7.011748	7.063352	7.163906	7.189135	5.682381	5.708155	5.885453	5.910753	5.978961	5.990621	5.744367	5.753789	5.843128
DMAC2L	ENSG0000	0.362414	3.918699	2.791223	0.012301	0.03438	-3.5474	3.747663	3.838426	3.466347	4.367681	3.99943	4.323123	4.122591	4.230044	3.946814	3.614613	3.754913	3.406715	4.690417	4.668079	4.519937	3.724364	4.088867	3.805852
BMP4	ENSG0000	0.628637	2.409789	6.161154	9.25E-06	0.000121	3.433526	0.587539	0.582935	0.898566	1.022291	1.164793	0.909432	0.886508	0.253663	0.925731	5.133727	4.995233	5.026725	5.597352	5.591562	5.618582	5.774336	5.688306	5.627686
FAM193A	ENSG0000	0.111107	5.415322	1.680579	0.110628	0.19331	-5.86378	5.752454	5.668796	5.874275	6.004384	5.87399	5.867836	6.01446	5.991525	6.043926	5.021274	4.916753	4.963598	5.156533	5.065909	5.143946	4.980783	4.780497	5.011626
GRK4	ENSG0000	0.238579	2.336912	2.025448	0.05837	0.117225	-4.62979	2.438959	2.37994	2.5366	2.791417	2.57804	2.481849	2.513265	2.623806	2.34318	2.30136	2.604605	2.369387	2.977243	3.098942	2.821313	2.890155	2.680939	2.528753
SOX9	ENSG0000	-0.42236	6.680115	-3.84425	0.001244	0.005579	-1.82914	7.722555	7.78008	7.841124	6.211362	6.272275	6.12353	7.16128	7.020962	7.122528	6.583684	6.650558	6.715264	5.936886	5.956632	5.942167	6.492333	6.481037	6.510753
HS3ST3B1	ENSG0000	1.085928	-0.36028	2.918468	0.009378	0.027637	-2.5725	2.867343	3.042358	3.371944	4.400654	4.470555	4.480358	4.235306	4.119235	4.011347	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.19538	0.106501
SLC25A35	ENSG0000	0.078229	2.659556	0.642033	0.529183	0.642389	-6.30548	3.593253	3.547555	3.764544	3.591402	3.546181	3.608819	3.80164	3.90213	4.00079	2.282443	2.320972	2.286428	2.112949	1.921808	2.121111	2.115663	2.190809	1.81044
MRPS7	ENSG0000	-0.08089	7.101566	-2.245	0.037971	0.083486	-5.17358	7.209304	7.152685	7.136032	6.989528	6.980027	6.994845	7.172906	7.193836	7.106615	7.311439	7.182044	7.316135	6.977203	6.975507	6.94692	7.137949	7.120306	7.120329
GGA3	ENSG0000	-0.14536	6.113566	-2.1218	0.048427	0.101151	-5.30245	5.679969	5.496413	5.695796	5.775282	5.921921	5.804577	5.661594	5.619796	5.738712	6.71822	6.747675	6.750511	6.532195	6.403323	6.500099	6.493282	6.425856	6.481278
ARMC7	ENSG0000	0.036404	4.702046	0.55286	0.587361	0.692396	-6.99443	4.702888	4.710662	4.711067	4.694564	4.607895	4.55606	4.737903	4.843429	4.99996	4.893087	4.672521	4.916098	4.823716	4.682664	4.775553	4.908658	4.725598	4.689552
NUP85	ENSG0000	-0.12329	6.169412	-2.50394	0.022449	0.055137	-4.61369	6.110133	6.130976	6.100872	5.49519	5.48099	5.562977	5.919505	5.891111	5.923331	6.906816	6.71988	6.84171	6.070582	6.045359	5.980777	6.775756	6.729127	6.753118
SLC25A19	ENSG0000	-0.05502	3.761303	-0.41858	0.680622	0.77103	-6.9768	3.071243	3.209365	3.044832	2.97776	3.31232	3.216292	3.423261	3.023117	3.236418	5.109782	4.884715	5.076957	3.92342	3.890658	3.78667	4.942395	4.84029	4.930673
MIF4GD	ENSG0000	-0.03769	4.617251	-0.70756	0.488547	0.60635	-6.83143	5.104131	4.941796	4.974661	5.077635	4.917027	4.960699	4.864381	4.905964	5.036597	4.447347	4.439772	4.307219	4.36607	4.385617	4.329194	4.37837	4.455636	4.317368
NT5C	ENSG0000	0.260516	5.230607	4.164348	0.000616	0.003167	-0.90764	5.233934	5.188404	5.350729	5.432797	5.57921	5.535187	5.461262	5.392484	5.489686	4.663802	4.959326	5.011739	5.322513	5.38635	5.29458	5.251384	5.203826	5.109451
MSTO1	ENSG0000	0.010947	5.000189	0.110835	0.91301	0.942524	-7.19109	5.135946	4.999934	5.214556	5.227586	5.309293	5.448454	5.218618	5.088621	5.107194	5.079966	4.96212	5.058324	4.684821	4.565575	4.642737	4.945171	5.018332	5.133766
MIR9-1HG	ENSG0000	-0.76037	0.576311	-5.52305	3.37E-05	0.000327	2.403615	0.814199	0.661886	0.829201	0.258133	0.106501	0.2349	0.670238	0.253663	0.515351	3.838337	3.936355	3.636224	2.42639	2.269709	2.399663	2.946659	3.104657	3.364179
TTF1	ENSG0000	0.048464	5.056462	1.111698	0.281326	0.398581	-6.63456	4.640181	4.696667	4.458888	4.576883	4.439897	4.616245	4.723921	4.651042	4.505294	5.608358	5.568461	5.603592	5.60478	5.591562	5.620394	5.655626	5.647541	5.65194
GTF3C4	ENSG0000	-0.46584	7.160138	-8.35914	1.62E-07	5.22E-06	7.24109	7.565929	7.52221	7.561956	6.699426	6.634005	6.719686	6.917408	6.917137	6.863179	7.574593	7.55485	7.570329	7.056273	7.036394	7.089835	7.263926	7.254986	7.271998
DDX31	ENSG0000	-0.17031	6.126134	-3.14816	0.005715	0.018768	-3.26019	6.610415	6.553462	6.550756	6.082665	6.036494	6.083584	6.417699	6.383897	6.185827	6.13667	5.980355	6.11013	5.90595	5.828053	5.857096	5.977832	5.992618	5.964291
PPP1R12C	ENSG0000	0.044378	5.733913	0.938704	0.360675	0.482628	-6.90304	5.089762	5.198371	5.293935	5.540275	5.507103	5.445139	5.120637	5.146277	5.155586	6.056821	6.104409	6.22318	6.439685	6.351779	6.39813	6.288825	6.217503	6.163014
MBOAT7	ENSG0000	0.140727	6.544708	1.429847	0.170394	0.269867	-6.43236	5.903856	5.981241	6.10638	6.631604	6.69694	6.656599	6.200136	6.126568	6.233947	6.830732	6.758966	6.883472	6.80796	6.790949	6.738237	6.981773	6.905782	6.864204
SLC2A4RG	ENSG0000	-0.16313	6.135226	-1.28936	0.214075	0.322346	-6.56125	6.32778	6.397828	6.500048	6.067345	6.356762	6.192364	5.665257	5.786207	5.819027	6.119452	6.126994	6.2761	6.010325	6.009653	5.977952	6.531651	6.389822	6.264029
PPDPF	ENSG0000	0.452213	6.95869	3.063893	0.006859	0.021593	-3.53706	6.262023	6.322368	6.432954	6.765786	7.019439	6.684979	6.054115	6.143184	6.229433	6.702296	6.876922	7.191054	7.752677	7.798639	7.843468	8.017104	7.807552	7.588934
IL1B	ENSG0000	-1.32678	1.005737	-4.78298	0.000161	0.0011	1.05552	5.142921	5.05216	5.067946	1.74141	1.909591	1.919272	3.66196	3.605944	3.856018	0.669294	1.07167	0.76743	0.234608	0.26996	0.404558	0.930351	0.504542	0.497646
CHCHD5	ENSG0000	-0.01537	4.624188	-0.22959	0.821073	0.877407	-7.08299	4.937612	4.769782	5.022058	4.63346	4.877535	4.702062	4.779054	4.796183	4.88411	4.476768	4.435757	4.515833	4.662213	4.653345	4.584502	4.492842	4.572242	4.515429
PAX8	ENSG0000	-0.50256	0.110713	-1.50233	0.150865	0.245798	-4.89105	2.867343	2.596389	2.966237	2.605941	2.490996	2.22781	2.446718	2.420731	1.918715	0.415169	0.462741	0.499259	0.171976	0.345231	0.263213	0.326864	0.433238	0.805046
INSIG2	ENSG0000	0.382287	3.990946	3.905576	0.001087	0.005002	-1.25647	3.313074	3.298545	3.443319	4.254996	4.240862	4.088331	3.853933	4.147745	4.011347	4.252132	4.269773	4.021115	4.407437	4.412116	4.460466	4.454386	4.298997	4.305185
POLR1B	ENSG0000	0.012378	7.073374	0.308142	0.761616	0.832965	-7.46414	6.83915	6.826218	6.823565	6.536528	6.622106	6.577063	6.838498	6.932239	6.817288	7.420362	7.473962	7.41505	7.411777	7.328972	7.35772	7.432666	7.405778	7.465734
CCDC93	ENSG0000	-0.33038	5.620093	-3.79041	0.0014	0.006122	-1.78963	6.508778	6.400708	6.48744	5.587578	5.518152	5.722075	6.177231	6.065615	6.033605	5.481405	5.4757	5.329196	5.144351	5.136474	5.198354	5.20581	5.126826	5.133766
PSD4	ENSG0000	0.288371	3.36047	3.897834	0.001106	0.005063	-1.40339	1.826927	1.883052	2.018628	1.840866	2.117603	1.714252	1.70672	1.301009	1.962896	5.193173	5.205552	5.236474	5.513008	5.650249	5.505435	5.526265	5.541343	5.610463
SLC25A23	ENSG0000	0.11744	5.339089	1.5105	0.148784	0.243134	-6.13973	4.888652	4.847837	4.671981	5.432797	5.554381	5.464914	5.342749	5.068879	5.269907	5.487612	5.495122	5.549768	5.850787	5.77289	5.799062	5.388239	5.480747	5.408895
PSPN	ENSG0000	0.21028	1.225904	1.117908	0.278737	0.396134	-5.61704	1.894617	1.744817	1.499186	2.103714	1.768674	2.132113	2.226405	2.108984	2.309357	1.586365	1.529011	1.820066	1.548989	1.462417	1.667532	1.734264	1.368306	1.322858
GTF2F1	ENSG0000	-0.06989	6.803272	-1.16304	0.260445	0.375952	-6.788	6.971409	6.943443	6.974754	6.660819	6.807642	6.642197	6.698944	6.842069	6.712819	6.753849	6.724824	6.848353	6.914621	6.878279	6.836635	6.850218	6.898355	6.739602
ALKBH7	ENSG0000	0.651679	3.231918	4.754344	0.000171	0.001156	0.792657	3.114469	3.182839	2.94999	3.863871	3.978251	3.689474	3.774765	3.761625	3.913431	2.494552	2.741	2.911754	3.652319	3.819851	3.740748	3.415594	3.2466	2.79582
CLPP	ENSG0000	0.253182	5.059172	3.120142	0.006073	0.019711	-3.15119	5.000411	5.168263	5.408347	5.112883	5.351085	5.046319	5.405414	5.396449	5.412136	4.728129	4.815334	5.12947	4.766576	4.801021	4.836082	5.308556	5.157568	5.026544
TNFSF9	ENSG0000	-0.58185	2.407809	-2.17655	0.043492	0.092993	-4.03148	6.557884	6.653448	6.714788	6.127673	5.946666	5.968239	5.97958	6.048077	6.106808	0.269074	0.695454	0.884879	0.5125	0.345231	0.533283	0.517985	0.358227	0.805046
THOC2	ENSG0000	-0.05247	6.67208	-1.37302	0.187107	0.289533	-6.5108	6.901149	6.845372	6.905885	6.781518	6.761899	6.849469	6.932685	6.877965	6.892029	6.603825	6.643613	6.530843	6.466028	6.522633	6.410754	6.429288	6.461011	6.546123
MED1	ENSG0000	-0.03316	6.806431	-0.78646	0.44213	0.563009	-7.16077	6.893931	6.896261	6.789732	6.592896	6.591051	6.575548	6.979041	6.91299	6.935637	6.979821	7.015848	6.936015	6.689989	6.67902	6.747389	6.853916	6.813152	6.873516
RPL23	ENSG0000	-0.12659	8.998338	-3.30989	0.004019	0.014148	-3.1474	9.497862	9.469288	9.456126	9.251691	9.244641	9.213656	9.329393	9.324732	9.359306	8.788346	8.734548	8.621754	8.575067	8.686951	8.675482	8.574744	8.590265	8.630464
ATG4C	ENSG0000	0.368899	3.186632	3.596819	0.002143	0.008527	-1.65761	3.765853	3.7235	3.55495	4.227693	3.867423	4.018682	4.205428	4.166444	4.170531	2.605258	2.646894	2.745712	2.694919	2.743101	2.95373	2.77004	2.649824	2.944608
CD70	ENSG0000	-1.08545	2.042409	-4.64621	0.000216	0.001377	0.768932	7.310354	7.365923	7.342267	7.17487	7.316996	7.111303	6.360105	6.171229	6.273953	0.269074	0.330605	0.34382	0.294634	0.26996	0.263213	0.257084	0.106501	0.214669
C3	ENSG0000	-0.83666	5.41807	-4.85901	0.000137	0.000972	0.847065	7.883226	7.917645	7.85264	8.665884	8.751124	8.746449	6.849809	6.870857	6.817288	2.881509	2.516115	2.53427	4.059394	4.225504	4.174939	2.843302	2.95995	2.778299
SH2D3A	ENSG0000	-0.01386	3.719953	-0.06227	0.951051	0.968458	-7.13782	3.562366	3.888531	3.717332	1.578054	2.155834	1.526279	2.513265	2.420731	2.77354	4.796392	4.854958	5.101431	5.297059	5.246098	5.227188	5.233327	5.160331	5.091828
TRIP10	ENSG0000	-0.79278	6.05022	-3.64208	0.00194	0.007908	-2.19087	7.249446	7.233258	7.312395	5.605366	5.77614	5.581211	5.697811	5.623184	5.54523	6.055429	5.963722	6.157586	5.805085	5.80324	5.816561	5.969675	6.033874	6.102702
GPR108	ENSG0000	-0.07133	5.928314	-1.59652	0.128294	0.216787	-6.07333	6.234531	6.22335	6.309455	6.529092	6.577031	6.581598	6.081788	6.104921	6.111723	5.473087	5.514285	5.484585	5.903542	5.736656	5.784586	5.546516	5.433569	5.534225
FOSB	ENSG0000	-0.85689	2.198839	-7.04651	1.68E-06	3.24E-05	5.351358	2.568952	2.152784	2.248556	0.934951	1.718467	1.422231	1.648695	1.809233	1.727075	3.818776	3.709078	3.809637	3.125084	3.152313	3.19663	3.022222	3.022017	2.912845
OPA3	ENSG0000	0.208919	5.312911	2.675998	0.015689	0.041563	-4.10211	5.060589	5.011285	4.986657	5.591153	5.700562	5.660525	5.37889	5.268148	5.265504	5.267203	5.334056	5.299534	5.464835	5.377412	5.33267	5.467617	5.41055	5.428683
SNRPD2	ENSG0000	-0.18422	7.416478	-4.57551	0.000252	0.001555	-0.29489	7.446968	7.427944	7.392724	6.990882	7.031055	6.998241	7.16128	7.183546	7.282524	7.759944	7.759025	7.726331	7.562444	7.593968	7.563452	7.585945	7.589685	7.599573
RTN2	ENSG0000	0.330025	2.526096	2.741723	0.01366	0.037315	-3.39852	1.990546	2.125186	2.109199	2.633943	2.520598	2.429135	2.376953	1.809233	2.087859	2.918737	2.753956	2.826234	4.093589	3.976023	3.951255	3.227721	3.356678	3.050576
EML2	ENSG0000	-0.27543	5.741227	-1.0976	0.287271	0.405269	-6.73247	6.755148	6.671448	6.756255	4.803367	4.966263	5.055043	6.210201	6.119389	6.247406	5.404758	5.561109	5.537862	5.879245	5.717306	5.735254	5.580838	5.396559	5.481066
VASP	ENSG0000	-0.33335	6.134102	-2.24126	0.038255	0.083978	-5.09338	6.416805	6.234694	6.382396	5.388282	5.582723	5.451761	5.243334	5.25073	5.396113	6.508349	6.486558	6.682517	6.618395	6.584132	6.523535	6.710356	6.713224	6.649721
SYMPK	ENSG0000	-0.01488	6.941066	-0.30775	0.761907	0.833103	-7.43951	6.707715	6.671448	6.733892	6.946912	7.051479	6.899977	6.838498	6.659423	6.740051	7.137482	7.11207	7.141758	7.135344	7.086612	7.092449	7.085441	7.046072	7.071714
GPCPD1	ENSG0000	0.173604	5.563481	1.937554	0.069009	0.133629	-5.53589	5.217507	5.168263	5.126945	5.647184	5.3917	5.614052	5.228555	5.348128	5.015776	5.80343	5.790631	5.818136	5.777742	5.719076	5.863232	5.953221	6.08129	6.154551
SDCBP2	ENSG0000	0.363916	1.184852	1.266628	0.221908	0.331763	-5.58761	1.069823	1.173893	1.202741	1.022291	1.2379	0.830331	2.26554	2.147141	2.616448	2.224158	2.405511	2.088428	1.818016	1.766169	2.036756	1.759719	1.90484	2.397196
PANK2	ENSG0000	0.096526	5.77273	1.788595	0.091027	0.165792	-5.80596	5.687145	5.774724	5.727119	5.547654	5.518152	5.622881	5.907184	5.80423	5.763904	5.730282	5.87162	5.862963	5.93335	5.912457	5.973704	5.976476	5.893164	5.890784
FOXA2	ENSG0000	0.315788	1.689894	1.831243	0.084166	0.156253	-5.2695	0.318509	0.499412	0.679585	0.841981	1.373859	1.055701	0.548589	0.726566	0.515351	4.382206	4.361514	4.50975	3.663745	3.688714	3.644271	4.865346	4.596923	4.641909

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IDUA	ENSG0000	-0.11847	4.250408	-1.68341	0.110071	0.192645	-5.59063	4.073915	4.136747	4.453135	5.020445	4.960875	4.879531	4.090259	3.956862	4.032233	3.997596	3.913441	4.012537	4.941045	4.879081	4.801349	3.917673	3.88352	3.992166
FGFRL1	ENSG0000	0.045309	6.708979	0.452465	0.6565	0.752321	-7.33637	6.587588	6.661876	6.672095	7.294828	7.51198	7.339101	6.730755	6.547971	6.758969	6.33674	6.488498	6.609028	6.677361	6.56851	6.672491	6.635848	6.528851	6.400554
TMEM175	ENSG0000	0.048526	4.364914	0.534133	0.599978	0.702985	-6.92119	3.572735	3.657602	3.717332	4.701197	4.580048	4.524999	3.928981	4.030158	4.063004	4.58494	4.706242	4.750584	5.254243	5.034983	5.128745	4.697684	4.555551	4.428245
AUNIP	ENSG0000	-0.20381	3.291171	-1.4949	0.152777	0.248119	-5.82205	4.014302	3.786518	3.863273	2.740812	2.787348	2.719893	3.457463	3.711575	3.271973	4.323269	4.171799	4.220495	2.24051	2.269709	2.200805	4.293774	4.11758	4.087723
PIN1	ENSG0000	0.344724	4.916275	5.783996	1.97E-05	0.000215	2.625146	4.855064	4.804995	5.002498	5.510375	5.462043	5.320436	5.42715	5.132077	5.330179	4.447347	4.498689	4.578198	4.905394	4.901075	4.885155	4.777733	4.729324	4.82371
FBXL12	ENSG0000	-0.27956	4.04083	-3.30019	0.004105	0.014404	-2.55903	4.363907	4.065935	4.268949	4.132759	4.240862	3.858473	3.814892	3.659726	3.924645	4.252132	4.097507	4.389024	4.334248	4.385617	4.265755	4.156784	4.07722	4.044405
EMC1	ENSG0000	-0.14402	7.486985	-2.86179	0.010586	0.030418	-3.99951	7.76782	7.757788	7.740813	7.473009	7.422688	7.488267	7.619638	7.588995	7.610506	7.672742	7.631004	7.586313	7.063839	7.017102	7.007043	7.489398	7.451605	7.528649
UBR4	ENSG0000	-0.34416	7.757156	-3.60656	0.002098	0.008392	-2.44021	7.952856	8.008245	8.226779	7.224056	7.360615	7.717116	7.830065	7.648398	7.7929	8.06435	8.324599	7.721076	7.640777	7.593004	7.673176	7.669736	7.599896	7.707074
HP1BP3	ENSG0000	0.305568	7.251128	6.483277	4.91E-06	7.34E-05	3.752272	7.191752	7.243723	7.186308	7.681071	7.624461	7.63876	7.659668	7.686953	7.6482	6.849329	6.890186	6.828331	7.17381	7.13514	7.23058	7.01914	6.963861	7.049063
SIN3B	ENSG0000	0.038606	5.748075	0.715621	0.483677	0.602081	-7.04814	5.934331	5.987002	6.160332	6.164136	6.168576	6.029279	6.135589	5.954347	6.081983	5.391578	5.467858	5.489229	5.585386	5.368419	5.574382	5.562876	5.471879	5.445432
SLC35E1	ENSG0000	0.1258	6.401681	3.753092	0.00152	0.00653	-1.99487	6.199831	6.304024	6.290225	6.448604	6.424879	6.347775	6.470991	6.440687	6.340354	6.398438	6.384029	6.407042	6.530636	6.508375	6.557045	6.506498	6.507314	6.479923
EPS15L1	ENSG0000	0.094806	4.936618	2.140661	0.046672	0.098264	-5.06877	5.071598	5.03743	5.16615	4.790984	4.795153	4.777799	5.08826	5.174263	5.087374	4.963066	4.953722	4.992239	4.841432	4.753456	4.894173	5.124869	5.08382	5.130317
KLF2	ENSG0000	-0.33229	2.177853	-1.38384	0.183827	0.285721	-5.40363	3.262728	3.439663	3.597291	3.647423	3.945887	3.722706	3.137083	2.481727	3.162566	1.457372	1.112482	1.514616	2.25569	2.451029	2.433049	1.734264	1.547811	1.115245
UQCR11	ENSG0000	0.177161	3.183452	1.56698	0.135045	0.225571	-5.47977	3.756787	3.568199	3.55495	4.052041	3.978251	4.202668	4.057185	3.988732	3.759121	2.635389	3.023743	2.845681	2.781373	2.938056	2.756856	2.843302	2.726388	2.863849
GFER	ENSG0000	0.127175	5.247461	2.299935	0.034017	0.076554	-4.80359	5.598583	5.39028	5.538996	5.506594	5.60362	5.506852	5.628203	5.75257	5.79784	5.079966	4.893523	5.052059	4.871306	4.922739	4.914999	5.100173	4.993761	5.019105
SYNGR3	ENSG0000	-0.17772	4.457425	-0.89483	0.383038	0.504635	-6.71996	3.27548	3.57841	3.533304	4.591236	4.825118	4.777799	2.724622	2.357042	2.723053	5.387157	5.372368	5.453233	5.807663	5.715534	5.620394	5.501961	5.396559	5.296461
PKMYT1	ENSG0000	-0.01769	4.591748	-0.08371	0.934237	0.957291	-7.19973	4.798758	4.925889	5.116065	4.245952	4.580048	4.036412	5.032629	4.944392	4.764393	5.335326	5.342658	5.63047	2.892375	3.203781	2.918805	5.513229	5.504857	5.220652
WDR24	ENSG0000	0.009388	4.068156	0.097647	0.923324	0.949391	-7.00821	3.562366	3.516026	3.819232	3.999198	4.318753	3.964146	3.571163	3.672864	3.90213	4.323269	4.340194	4.500578	4.769223	4.820936	4.749288	4.563199	4.477953	3.976887
FBXL16	ENSG0000	0.357869	2.238758	1.887502	0.075813	0.144147	-5.00612	1.681202	1.780637	1.78216	2.103714	1.373859	1.422231	1.70672	1.301009	1.445026	2.736149	3.002186	3.269454	4.31626	4.288839	4.329194	3.685048	3.404065	3.328509
CHTF18	ENSG0000	-0.33019	3.930418	-5.37696	4.57E-05	0.000412	1.85889	4.239263	4.17089	4.188143	3.273122	3.34578	3.051692	4.164604	3.935218	4.011347	4.645413	4.696209	4.753161	3.703037	3.772912	3.679472	4.236002	4.40994	4.274271
MACF1	ENSG0000	-0.32827	7.03429	-4.36584	0.000397	0.002243	-0.71992	6.820781	6.870522	6.956572	6.603556	6.627218	7.013987	6.593315	6.493476	6.496923	7.449803	7.766637	7.257448	7.424847	7.398542	7.499395	7.19679	7.188879	7.16904
SMARCA4	ENSG0000	0.184595	7.326848	4.350342	0.00041	0.002297	-0.77724	7.016734	7.023171	7.160948	7.064746	7.164786	7.143359	7.278316	7.123806	7.292296	7.374763	7.402736	7.3925	7.657661	7.582834	7.605239	7.654551	7.552315	7.561029
KDM4B	ENSG0000	0.036896	5.066852	0.475076	0.640615	0.738569	-7.09514	5.200891	5.091908	5.183625	5.025739	5.221894	4.983728	5.167879	5.063901	5.207006	4.826087	5.06707	5.022459	5.331496	5.201218	5.267074	5.105146	5.163088	4.865793
TICAM1	ENSG0000	-0.29156	4.971704	-3.17486	0.005393	0.017922	-3.02095	5.549554	5.369848	5.533555	4.694564	5.039662	4.839695	5.213624	4.819999	4.934903	4.908591	4.967692	5.131452	4.898157	4.894826	4.839198	4.900099	4.930438	4.878182
METTL25	ENSG0000	0.619871	2.588074	4.040251	0.000809	0.003944	-0.57375	2.568952	3.142112	3.176339	3.966538	3.978251	3.907468	3.602068	3.672864	3.733845	1.787595	1.827525	1.915176	2.602951	2.770668	2.497588	2.35157	1.795362	2.119598
EMC6	ENSG0000	-0.21103	4.908417	-3.04895	0.007083	0.022072	-3.22709	5.631194	5.706529	5.557879	5.420792	5.383668	5.451761	5.203583	5.416115	5.300358	4.421642	4.555295	4.671058	4.427684	4.274468	4.448272	4.609434	4.469068	4.341429
METTL16	ENSG0000	-0.01336	5.67832	-0.24143	0.81203	0.87094	-7.2756	6.086809	6.22335	6.130008	5.996317	5.812494	5.965928	5.982519	6.087856	5.972785	5.362601	5.417853	5.27464	5.370368	5.296751	5.40175	5.420516	5.460717	5.481066
TUBA4A	ENSG0000	-0.45943	6.7236	-2.39457	0.02809	0.065772	-4.83463	7.890498	7.860735	7.833395	7.233238	7.308536	7.19952	6.783948	6.793275	6.863179	6.379648	6.351367	6.448176	5.588386	5.577973	5.455539	6.669811	6.595687	6.479923
VIL1	ENSG0000	0.398767	-0.02342	0.811545	0.427967	0.549692	-5.73491	0.106501	0.215206	0.323815	1.791994	1.996426	1.575618	0.415731	0.387194	0.39151	1.352446	1.529011	1.877881	2.178139	2.127698	2.07955	1.419885	1.737342	1.416439
AAMP	ENSG0000	-0.21501	7.424811	-2.82617	0.01142	0.0323	-4.07954	7.355344	7.420158	7.429807	6.691121	6.843221	6.789308	6.950806	7.004168	6.97662	7.866989	7.805659	7.868585	7.843705	7.78814	7.772699	7.854219	7.765987	7.782612
PNKD	ENSG0000	-0.40625	6.422483	-9.7166	1.82E-08	1.03E-06	9.569676	6.918529	6.922552	6.871794	6.746677	6.917424	6.897554	6.516313	6.513697	6.643251	6.322921	6.198636	6.323684	6.244253	6.192746	6.213527	5.812844	5.830372	5.84102
TNFRSF19	ENSG0000	1.460816	0.717528	6.790707	2.72E-06	4.76E-05	4.558869	5.572986	5.694843	5.65879	6.715895	6.58581	6.693385	7.129812	7.108174	7.127389	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RNF6	ENSG0000	-0.08605	6.09642	-2.08665	0.051861	0.10671	-5.32581	6.617945	6.562493	6.545359	6.342299	6.270099	6.267477	6.552364	6.546187	6.526664	5.874627	5.901039	5.835262	5.707717	5.652103	5.730227	5.742772	5.690219	5.774091
ECHS1	ENSG0000	0.000159	6.787099	0.00401	0.996846	0.997756	-7.44731	7.371767	7.374006	7.3761	7.273847	7.257805	7.229694	7.222228	7.349217	7.311645	6.211081	6.232588	6.294791	6.330118	6.282853	6.314389	6.351901	6.328511	6.313524
ZNF835	ENSG0000	0.263992	-1.07142	2.475899	0.023784	0.057746	-3.70407	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.574485	2.42184	2.435052	2.079215	2.23054	2.161508	2.77004	2.585506	2.59029
AKAP9	ENSG0000	-0.10024	5.952893	-1.14715	0.26678	0.383087	-6.69475	5.691909	5.801125	5.810467	6.025677	5.847955	6.1624	5.853613	5.996758	5.892253	5.978182	6.315766	5.911063	6.283664	6.364273	6.298627	5.785222	5.703538	5.864042
GNG11	ENSG0000	0.50885	2.248197	1.371535	0.18756	0.289993	-5.12416	6.893931	6.902371	6.884673	7.182	7.133995	7.182701	7.433501	7.430752	7.482619	0.54782	0.462741	0.397516	0.234608	0.106501	0.335616	0.257084	0.19538	0.214669
SEM1	ENSG0000	-0.15341	6.560897	-2.40136	0.027705	0.06504	-4.81814	6.875203	6.898301	6.856623	6.525359	6.506663	6.564898	6.640598	6.7017	6.808235	6.423477	6.521073	6.476521	6.47983	6.548742	6.559881	6.389076	6.302487	6.302841
GNGT1	ENSG0000	0.18505	-1.47158	0.451259	0.657352	0.752928	-5.72811	1.719036	1.551021	1.54317	1.888135	1.817192	1.993763	1.867984	2.108984	2.274723	0.106501	0.185134	0.34382	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
HIP1	ENSG0000	0.625863	3.965132	4.383363	0.000382	0.002171	-0.14795	4.044416	3.7953	3.922756	4.851861	4.917027	4.879531	4.487843	4.459641	4.380548	3.340597	3.562131	3.426222	3.587808	3.68147	3.608189	4.156784	4.023613	4.014786
PTPN12	ENSG0000	-0.01375	6.726292	-0.18654	0.854171	0.901716	-7.42301	7.500903	7.535375	7.516482	7.073718	7.052746	7.072087	7.296144	7.355342	7.31591	6.085751	6.115745	6.085804	6.175078	6.093908	6.220714	6.24331	6.242485	6.365783
POR	ENSG0000	0.157822	7.318917	1.663136	0.114112	0.197869	-6.17639	6.471859	6.46679	6.502835	6.820115	6.990643	6.865676	7.005289	6.889266	7.000662	7.628019	7.701668	7.805121	8.346691	8.245577	8.262436	7.690152	7.675226	7.554611
STYXL1	ENSG0000	-0.16284	4.925691	-1.05463	0.305958	0.425313	-6.67883	5.590951	5.564777	5.449376	3.988393	3.796595	4.027574	4.864381	5.018308	5.072328	5.104407	5.186564	5.260219	4.898157	5.02357	4.85468	5.36976	5.25383	5.271631
STEAP4	ENSG0000	-0.25635	0.549508	-1.56224	0.136156	0.227002	-5.46932	0.106501	0.316291	0.421314	0.258133	0.512209	0.563119	0.106501	0.253663	0.106501	3.681119	3.539861	3.519989	4.604095	4.671739	4.772296	3.254827	3.636099	3.254409
GNAI1	ENSG0000	0.195119	4.678536	1.585584	0.130759	0.220082	-5.68878	5.531062	5.617724	5.592306	6.97455	6.977361	6.898766	5.922569	5.876989	5.872122	3.123934	3.269103	3.373604	3.778549	3.819851	3.849837	3.171932	3.204393	2.960231
PMS2P3	ENSG0000	-0.31779	2.301224	-2.40781	0.027343	0.06437	-3.943	2.649532	2.61635	3.044832	2.766336	2.429905	2.402038	2.058296	2.728183	2.376228	2.409929	2.829342	2.7037	2.649667	2.642244	2.716753	2.448672	2.447571	2.507643
PEX1	ENSG0000	-0.08815	4.935399	-1.50802	0.149413	0.243879	-6.03608	5.125418	5.204977	5.325763	5.333837	5.212855	5.2875	5.257962	5.174263	4.989319	4.77625	4.752166	4.623968	4.856446	4.988782	4.932613	4.63373	4.613145	4.627304
MTERF1	ENSG0000	-0.02404	4.558255	-0.22745	0.822716	0.878605	-7.08851	5.042051	4.804995	4.929803	4.3081	4.327153	4.407292	4.926746	5.098392	4.889843	4.652797	4.529155	4.395637	4.502766	4.513497	4.480563	4.398766	4.318914	4.656368
SGCE	ENSG0000	0.877651	3.331288	12.39347	4.34E-10	6.25E-08	13.44877	1.12723	1.420874	1.028027	2.21912	1.817192	2.22781	1.648695	1.605065	1.171446	5.079966	5.113047	5.10547	6.177072	6.165747	6.242063	5.962842	6.05035	5.940859
RBM48	ENSG0000	-0.63707	3.887685	-7.64785	5.60E-07	1.36E-05	6.328279	4.265068	4.287521	4.294909	3.487804	3.151334	3.391835	3.916741	3.550079	3.641718	4.485065	4.672521	4.589777	3.932895	4.127629	4.067427	3.934535	4.07722	3.930053
CASD1	ENSG0000	-0.4344	4.528155	-6.61312	3.82E-06	6.06E-05	4.32478	4.538049	4.864623	4.781616	4.569652	4.507984	4.592471	4.536652	4.504423	4.288067	4.880563	4.908086	4.925267	4.53734	4.51757	4.496442	4.32395	4.40994	4.472495
ZNF780B	ENSG0000	0.648062	3.298655	7.064091	1.62E-06	3.16E-05	5.355003	2.780548	2.802095	2.661582	3.273122	3.410458	3.678224	3.296733	3.285084	3.236418	3.134522	3.356645	3.043904	4.238165	4.255082	4.346819	3.793775	3.842828	3.68882
LRFN1	ENSG0000	0.479069	1.895761	1.851115	0.081127	0.152098	-4.75679	1.475543	2.09705	2.018628	3.181227	3.278066	3.086148	1.867984	2.029503	2.408535	1.732907	1.922393	2.055402	2.193986	2.307842	2.276326	2.692858	2.274787	1.973284
ZFP36	ENSG0000	-0.30447	5.295314	-2.97569	0.008295	0.025045	-3.47237	5.734094	5.965765	6.021469	5.277258	5.600158	5.35617	5.65424	5.404348	5.497217	5.021274	5.014203	5.216073	5.26366	5.170503	5.158989	4.953468	4.84029	4.86164
SRD5A3	ENSG0000	-0.31738	4.594264	-5.85003	1.73E-05	0.000195	2.758762	4.538049	4.377991	4.418131	4.254996	4.213935	4.460795	4.057185	4.019913	4.112876	5.09088	5.172157	5.236474	4.973543	5.107039	5.105638	4.934035	4.952919	4.802199
RASL11B	ENSG0000	0.092381	-0.5903	0.302719	0.765678	0.835738	-6.08324	0.216396	0.661886	0.679585	0.258133	0.625525	0.106501	0.548589	0.387194	0.515351	1.646779	1.335727	1.46518	1.365252	1.032323	1.247156	1.65509	1.513652	1.370407
PAICS	ENSG0000	-0.28242	8.219607	-4.83408	0.000144	0.001008	0.212009	8.561825	8.53512	8.481127	7.820097	7.851079	7.894067	8.091281	8.128396	8.035888	8.637176	8.598185	8.60152	7.797451	7.794448	7.804139	8.471172	8.448292	8.493901
KDR	ENSG0000	-1.57961	-0.48903	-5.36029	4.73E-05	0.000422	2.16122	0.106501	0.106501	0.106501	0.106501	0.25478	0.3528	0.106501	0.253663	0.106501	3.831846	4.092415	3.794706	2.661114	2.627242	2.559363	2.400938	2.315011	1.942153
PPAT	ENSG0000	-0.24479	6.012795	-3.07311	0.006723	0.02129	-3.43925	5.768329	5.734195	5.750758	5.491368	5.57216	5.441817	5.452809	5.503276	5.404147	6.908359	6.808709	6.804926	6.054396	6.0552	6.045617	6.576208	6.582359	6.714488
TUBGCP6	ENSG0000	-0.19317	4.470896	-2.11772	0.048815	0.101782	-4.95335	4.25866	4.533044	4.795321	4.851861	4.883243	4.899045	4.56045	4.316298	4.534865	4.368817	4.45175	4.335006	4.848959	4.784213	4.891173	3.923315	4.156841	4.292899
ADM2	ENSG0000	0.033297	4.424113	0.091498	0.928137	0.95296	-6.99605	5.482394	5.407565	5.503257	4.384261	4.267295	4.407292	5.555064	5.352217	5.526952	3.394446	3.398501	3.555853	4.863895	4.645922	4.684921	3.447271	3.743163	3.455199
DGCR6L	ENSG0000	0.002392	4.695108	0.034662	0.972742	0.982189	-7.1425	4.640181	4.452056	4.711067	4.667726	4.960875	4.668345	4.889651	4.504423	4.640652	4.793054	4.755391	4.890578	4.873768	4.934974	4.863891	4.838721	4.815969	4.632189
DGCR8	ENSG0000	0.221176	5.626103	3.93039	0.001029	0.004792	-1.52933	5.364998	5.331118	5.214556	5.371747	5.355198	5.320436	5.490461	5.439365	5.577558	5.871466	5.95393	5.983079	5.768511	5.685073	5.602165	6.145318	6.185314	6.159635
SDF2L1	ENSG0000	0.789709	4.500152	3.968853	0.000946	0.004474	-1.18609	3.765853	3.991467	4.145977	5.367584	5.454395	5.080903	4.673889	4.677356	4.713579	3.956418	4.256177	4.331562	4.437701	4.321825	4.25646	5.102661	5.054421	4.641909
YWHAH	ENSG0000	-0.22776	7.022366	-3.10191	0.006317	0.020288	-3.45708	7.485208	7.573525	7.564626	7.011041	7.048942	6.976593	7.013934	6.975295	7.101684	6.973201	6.888718	6.990539	6.706655	6.688987	6.64782	7.027023	6.972532	6.965411
GNAZ	ENSG0000	-0.54008	-0.96064	-1.32062	0.203659	0.30941	-5.04941	2.27083	2.425906	2.194417	3.376187	3.31232	3.292047	1.816207	1.605065	1.962896	0.190076	0.185134	0.106501	0.171976	0.26996	0.106501	0.106501	0.106501	0.214669
ATF4	ENSG0000	-0.06424	8.821048	-0.40118	0.693147	0.780434	-7.51005	9.829125	9.806609	9.818943	9.524387	9.515036	9.545836	9.934286	9.888354	9.945116	7.781577	7.782531	7.76738	8.380841	8.376376	8.392761	7.499349	7.551263	7.513506
A4GALT	ENSG0000	0.00172	3.871669	0.011495	0.990959	0.99382	-6.80149	4.131163	4.150501	4.065319	5.320976	5.49969	5.227023	4.339849	4.436718	4.428601	3.322191	3.406729	3.353367	3.735884	3.813238	3.629946	3.171932	2.784842	2.912845
CDC42EP1	ENSG0000	0.16232	6.377213	3.276625	0.004321	0.014979	-3.05316	5.903856	5.918315	5.990033	5.502803	5.681033	5.556848	6.15656	5.899518	6.049058	6.974675	6.84549	7.089698	6.759528	6.644979	6.645152	7.182156	7.220327	7.116848
APOL3	ENSG0000	0.612717	3.100243	5.852514	1.72E-05	0.000194	2.884831	2.438959	2.308123	2.300736	1.578054	1.909591	2.098749	2.340763	2.511284	2.087859	4.060019	4.077032	4.16352	4.540442	4.509412	4.535391	4.723786	4.83684	4.857474
TPST2	ENSG0000	0.378796	2.576736	3.240225	0.004678	0.015987	-2.31581	2.707144	2.674627	2.492412	3.376187	3.362223	3.27721	3.072345	2.894433	2.616448	2.409929	2.453955	2.460504	2.717023	2.729118	2.942182	2.855159	2.827179	2.760563
MPST	ENSG0000	0.563653	3.84599	5.417922	4.19E-05	0.000387	2.100272	3.827767	3.872022	3.889066	4.815644	5.133653	4.622128	4.225415	4.357565	4.103038	2.894025	3.044983	3.052298	4.245787	4.089828	4.056758	3.743628	3.735773	3.487904
TST	ENSG0000	0.060214	4.145445	0.620507	0.542931	0.654504	-6.71486	4.42241	4.366251	4.441562	5.195063	5.33034	5.118843	4.411387	4.61746	4.3476	3.614613	3.562131	3.71764	4.147483	3.946112	3.892464	3.651445	3.72088	3.698167
APOL2	ENSG0000	0.023763	4.871275	0.262659	0.795884	0.858316	-7.15806	4.803168	4.756352	4.701394	4.88719	4.831037	5.055043	4.496094	4.644388	4.388669	5.015558	5.133021	5.089246	4.957386	5.029288	5.023089	5.231053	5.219805	5.335919
RAC2	ENSG0000	-0.01267	3.013576	-0.07653	0.939866	0.961513	-7.17036	2.833249	2.425906	2.399755	0.635873	0.512209	0.746642	2.186178	1.988058	1.314712	5.172773	5.179378	5.467426	4.92689	4.913495	4.944238	5.394346	5.331868	5.356727
LIF	ENSG0000	-0.40228	7.609155	-11.5944	1.23E-09	1.31E-07	12.24745	8.844	8.70086	8.761236	7.768928	7.713665	7.732833	8.400167	8.310698	8.359347	7.493638	7.359946	7.434847	6.417921	6.331098	6.369317	7.014522	7.063885	7.04815
APOBEC3F	ENSG0000	-0.26268	1.344029	-1.6738	0.111972	0.195132	-5.04944	1.336422	1.374745	1.202741	1.978268	1.437317	1.475193	1.160105	0.824004	1.445026	2.30136	2.590228	2.447834	2.694919	2.517623	2.465679	2.300453	2.447571	1.973284
RIBC2	ENSG0000	-0.21347	1.655367	-1.06586	0.30099	0.419965	-5.93989	2.27083	2.206444	2.109199	2.063099	1.307481	1.422231	1.867984	1.710758	1.445026	2.693825	3.106888	2.766268	1.420179	1.428204	1.456457	2.855159	2.841019	2.944608
KRT17	ENSG0000	0.75559	2.687404	4.760829	0.000169	0.001145	0.590495	0.667115	0.410755	0.512639	1.888135	2.078331	2.402038	1.240874	1.15884	1.0941	4.759247	4.5846	4.862213	5.485908	5.458046	5.292308	5.361471	5.471879	5.377239
EMC4	ENSG0000	-0.28231	6.779026	-6.32057	6.75E-06	9.45E-05	3.45865	7.198464	7.236486	7.165352	6.800173	6.863577	6.79192	6.887928	7.009356	6.90341	6.802794	6.704946	6.761431	6.591726	6.587042	6.571171	6.513997	6.432727	6.447035
SPECC1	ENSG0000	-0.03458	1.665912	-0.14324	0.887742	0.925156	-5.9916	5.618738	5.617724	5.631035	6.064776	6.044157	6.064269	5.61311	5.626565	5.559688	0.34397	0.398185	0.397516	0.171976	0.26996	0.335616	0.257084	0.358227	0.315289
CPA4	ENSG0000	-0.02572	4.235202	-0.07361	0.942159	0.962638	-6.71543	7.576273	7.508924	7.593021	5.004446	5.07001	5.068031	7.514926	7.363468	7.492072	1.787595	1.945166	2.183199	2.24051	2.127698	2.365487	2.432936	2.146913	2.442395
DOCK4	ENSG0000	0.462205	4.673661	2.364679	0.029849	0.068868	-4.43728	5.449012	5.387379	5.390399	6.245795	6.214581	6.445565	6.172091	6.119389	6.19743	3.901688	3.830249	3.613714	3.332595	3.282491	3.437743	3.538334	3.620134	3.398988
POT1	ENSG0000	0.112443	4.796807	1.305114	0.208776	0.315668	-6.29265	5.096964	5.130591	5.010354	4.898777	4.877535	4.819357	5.310366	5.21525	5.274297	4.521821	4.463628	4.643544	4.771865	4.704269	4.759194	4.522885	4.530146	4.75819
ATP6V1F	ENSG0000	-0.19272	6.435787	-4.9486	0.000113	0.000833	0.631261	6.932687	6.934526	6.947395	6.657412	6.701793	6.726528	6.711398	6.603916	6.776094	6.18458	6.213955	6.22318	6.112876	6.126279	6.112827	6.116053	6.073983	6.006286
LSM8	ENSG0000	0.07048	4.816018	1.13338	0.272363	0.389132	-6.50592	5.153322	5.123634	4.962565	4.881362	4.860273	4.997371	5.060712	5.276779	5.313214	4.619268	4.793538	4.64632	4.647902	4.581228	4.628397	4.60593	4.73304	4.753714
CDHR3	ENSG0000	-0.01485	-1.53122	-0.05082	0.960043	0.97441	-5.84824	2.416107	2.55562	2.274882	1.978268	1.718467	1.880533	2.303642	1.809233	2.588518	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
PRKRIP1	ENSG0000	-0.07648	4.792571	-1.14041	0.269501	0.386168	-6.47281	5.362012	5.32203	5.217952	5.077635	5.089893	4.899045	5.188389	5.141559	5.216162	4.489195	4.498689	4.551799	4.540442	4.600559	4.602954	4.519164	4.563921	4.365096
VGF	ENSG0000	0.312269	0.820817	1.71508	0.104005	0.18419	-4.78412	1.561356	1.420874	1.888281	1.74141	1.498102	1.475193	1.917967	1.988058	1.727075	1.028404	1.467416	1.158083	1.27873	1.282615	1.580823	1.512637	1.329561	1.170016
PODXL	ENSG0000	0.403313	2.658677	2.158053	0.045105	0.095515	-4.36807	3.397161	3.450822	3.443319	4.161901	4.009905	4.218286	3.879385	3.672864	4.011347	2.01088	1.945166	2.272125	1.935792	1.846087	1.639204	2.35157	2.295039	2.174206
FOXP2	ENSG0000	0.744575	0.984061	1.402661	0.178231	0.279299	-5.17195	1.010037	0.582935	1.256574	3.456785	3.242978	3.678224	1.70672	1.85606	2.005764	1.423238	1.335727	1.305813	1.218025	1.357245	1.423614	1.099384	1.478665	0.999041
STRIP2	ENSG0000	0.019768	1.407409	0.053439	0.957988	0.973295	-6.2294	2.996191	3.182839	3.190238	2.97776	2.991399	3.069023	3.423261	3.178579	3.044176	1.616888	1.588084	1.49011	0.294634	0.484926	0.404558	1.099384	1.289746	1.844513
IFT22	ENSG0000	-0.04166	4.985324	-0.81289	0.427213	0.548922	-6.80684	5.160214	5.281977	5.190556	5.654037	5.651233	5.569081	5.009762	5.048863	5.102264	4.565511	4.555295	4.557708	5.150455	5.160118	5.055606	4.577584	4.656838	4.651565
MKLN1	ENSG0000	0.007891	6.236531	0.148902	0.883335	0.922453	-7.38024	6.476008	6.60931	6.572144	6.562258	6.436573	6.60555	6.56222	6.70969	6.648333	5.98989	6.111977	5.952013	5.78299	5.813217	5.947952	5.911246	5.881493	6.048921
DNAJB9	ENSG0000	-0.19495	4.930246	-2.38506	0.028639	0.066793	-4.56126	5.086148	5.120143	5.141325	5.554996	5.57921	5.532066	4.681143	4.576102	4.934903	4.848768	4.686104	4.687318	5.000827	5.029288	5.047545	4.637167	4.76606	4.72199
LRRC4	ENSG0000	-1.15749	0.024646	-9.5183	2.48E-08	1.29E-06	9.469885	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.871097	4.620414	4.687318	4.929259	4.824228	4.958638	3.560228	3.713375	3.30423
CALU	ENSG0000	0.264033	8.441058	3.065806	0.00683	0.021523	-3.62034	8.772428	8.81861	8.760945	9.279379	9.1713	9.262259	9.135072	9.209435	9.140531	7.842175	7.836058	7.878945	7.659803	7.668676	7.613908	7.957855	7.971456	8.045477
CCDC136	ENSG0000	0.409949	0.544843	1.306332	0.20837	0.315121	-5.26246	0.503316	1.374745	1.202741	1.978268	2.264801	1.993763	1.317361	1.15884	1.445026	1.116489	1.228418	1.094478	1.218025	1.591687	1.247156	1.177011	1.2488	1.273688
SMO	ENSG0000	0.62162	-0.4421	2.659595	0.016238	0.042673	-3.05166	3.361722	3.61855	3.466347	4.591236	4.573001	4.656929	4.122591	3.956862	4.189248	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
IRF5	ENSG0000	-0.35722	2.482621	-2.20256	0.041312	0.089258	-4.4357	2.780548	2.730641	2.758051	2.325974	2.03796	2.098749	1.648695	1.85606	1.777424	3.186323	3.166245	3.180357	3.507651	3.503965	3.586098	3.31616	3.093137	3.021085
KLHDC10	ENSG0000	0.028513	5.914551	0.705322	0.489904	0.607443	-7.0905	6.455142	6.429199	6.432954	6.064776	6.059364	6.072885	6.479338	6.61587	6.47992	5.651384	5.674479	5.66372	5.342202	5.352544	5.250784	5.612618	5.58723	5.701584
NDUFA5	ENSG0000	0.2794	6.048948	3.412896	0.003208	0.01181	-2.67316	5.606174	5.754602	5.690917	6.329513	6.409139	6.420466	6.273964	6.305929	6.256309	5.915104	5.929869	5.893651	6.126359	6.322974	6.294092	5.879669	5.984847	5.896886
MRPS12	ENSG0000	-0.27294	5.892021	-2.62467	0.01747	0.045216	-4.30164	6.315484	6.293215	6.422689	5.775282	6.010649	5.860389	5.922569	5.45466	5.791729	5.808398	5.806264	5.987463	5.882915	5.759194	5.738596	6.02189	5.898138	5.760771
MYO1B	ENSG0000	-0.27811	7.311675	-1.90477	0.073401	0.140386	-5.78538	7.390938	7.40661	7.38141	6.895788	6.837352	6.907222	7.013934	6.917137	6.987354	7.402404	7.431751	7.357365	8.053958	7.984118	8.065283	7.277206	7.213693	7.260213
MTX2	ENSG0000	-0.29846	6.154078	-5.54243	3.24E-05	0.000317	1.911538	6.362559	6.441838	6.315808	6.0017	5.899563	5.970546	6.122326	6.15961	6.109268	6.344741	6.393375	6.356252	6.249949	6.138233	6.186865	6.092456	5.959694	6.045263
CHN1	ENSG0000	0.598285	2.545965	1.709992	0.104959	0.185591	-5.02936	2.884092	2.836538	2.883112	5.161789	4.860273	4.98829	3.705302	3.431409	3.528681	1.616888	1.899254	2.038602	2.009285	1.766169	1.876113	2.055273	2.101639	1.703111
GAD1	ENSG0000	0.146382	0.638866	0.820722	0.422858	0.544456	-6.32883	0.503316	0.316291	0.512639	0.395333	0.106501	0.3528	0.415731	0.253663	0.515351	3.047564	3.034402	3.318995	3.95166	3.976023	3.849837	3.152846	3.277464	3.498643
OSGEPL1	ENSG0000	0.396396	3.446215	3.065942	0.006828	0.021521	-2.83099	4.044416	3.888531	3.93931	3.966538	4.110665	4.194794	4.528631	4.413424	4.459769	2.693825	2.753956	2.902498	3.074617	3.310934	3.387537	2.946659	2.755911	3.267027
ORMDL1	ENSG0000	0.0169	6.119426	0.17715	0.861428	0.907061	-7.37982	6.4453	6.255527	6.312635	5.884211	5.797458	5.928437	6.593315	6.572714	6.559406	6.077544	6.133205	6.134053	5.947442	6.0552	6.004567	5.919739	5.950148	5.96816
HAT1	ENSG0000	-0.11819	6.188725	-1.42571	0.171568	0.271365	-6.38897	6.25721	6.296311	6.212339	6.340176	6.278786	6.466969	6.254643	6.267473	6.081983	6.34246	6.311391	6.419263	5.861989	5.927843	5.896523	6.212532	6.121538	6.216033
HOXD13	ENSG0000	0.472919	-1.6952	1.834439	0.08367	0.155515	-4.35578	1.681202	1.849715	1.499186	2.359902	2.549605	2.429135	2.144798	2.357042	1.674905	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
HERC2	ENSG0000	-0.25347	6.481515	-2.94393	0.00888	0.026454	-3.71477	6.700641	6.882934	6.896378	6.8048	6.920203	7.094475	6.711398	6.634457	6.644947	6.409378	6.634008	6.225037	6.05331	6.048178	6.077636	6.086182	6.045875	6.106218
SNRPN	ENSG0000	0.306421	1.778	1.854195	0.080665	0.151431	-4.74035	1.959273	1.883052	1.78216	2.688367	2.737798	2.845893	2.446718	2.184314	2.376228	1.787595	2.095243	2.055402	2.044674	2.127698	1.992654	1.926335	2.124453	1.973284
PSMG2	ENSG0000	-0.12608	5.7872	-1.83883	0.082994	0.154561	-5.752	5.496078	5.55188	5.423134	5.087795	4.998178	5.093661	5.183289	5.298133	5.355259	6.386308	6.257821	6.432185	6.401807	6.430582	6.42015	6.337182	6.301236	6.23221
TWSG1	ENSG0000	0.312712	5.724649	2.482719	0.023452	0.057148	-4.58078	4.789897	4.614695	4.734969	5.569568	5.613956	5.705548	5.566862	5.416115	5.408147	6.291335	6.288198	6.22225	6.10661	6.165747	6.157205	6.291009	6.363693	6.284342
EIF2AK4	ENSG0000	0.14804	6.521227	2.69604	0.015041	0.040179	-4.23115	6.813148	6.797001	6.811251	6.702735	6.687183	6.778813	6.83525	6.843522	6.763659	6.096621	6.141856	6.09599	6.388095	6.365404	6.385395	6.438184	6.330965	6.403414
MYO5C	ENSG0000	0.518756	4.78158	8.283116	1.85E-07	5.78E-06	7.28188	3.223781	3.042358	3.176339	3.487804	3.48743	3.419122	3.814892	3.879643	3.946814	5.915104	5.977596	5.788295	6.402659	6.475248	6.464215	6.331888	6.350449	6.337649
CGNL1	ENSG0000	0.077573	2.85951	0.532186	0.601298	0.704241	-6.90603	0.947665	1.173893	1.202741	2.021307	1.996426	1.880533	1.160105	1.231675	1.564539	5.238045	5.321056	5.199163	4.577158	4.501207	4.488525	5.312861	5.324498	5.233567
TMOD2	ENSG0000	-0.18229	2.079274	-0.84521	0.409414	0.531131	-6.22961	1.475543	2.009193	1.921989	2.255624	2.078331	2.317553	1.317361	0.622068	1.244857	3.102524	3.398501	3.035461	3.442811	3.393046	3.206318	3.123735	3.307681	3.432977
TTBK2	ENSG0000	0.000228	3.32486	0.001643	0.998708	0.998988	-6.68695	3.878801	4.029182	4.153091	4.333937	4.13	4.386706	4.264577	4.256466	4.364168	3.102524	3.034402	2.682227	2.902055	2.863205	2.80865	2.35157	2.711397	2.528753
CCDC32	ENSG0000	0.165477	4.316278	2.457713	0.024689	0.05946	-4.36315	3.765853	3.976101	3.88052	4.263984	4.149079	4.30129	4.023335	4.273815	4.170531	4.596474	4.627471	4.583999	4.823716	4.592857	4.938437	4.6711	4.691628	4.712796
INO80	ENSG0000	-0.04788	6.373356	-0.67069	0.511183	0.626304	-7.18696	6.755148	6.800277	6.801098	6.294854	6.261358	6.337085	6.709625	6.71605	6.685063	6.143238	6.218635	6.202588	6.226064	6.222995	6.147181	6.23766	6.16345	6.125399
ICE2	ENSG0000	0.086273	6.043009	1.33202	0.199963	0.304901	-6.48821	6.00877	5.979315	5.972044	6.35076	6.121055	6.263719	6.190001	6.19874	6.119063	6.038616	6.110718	5.98965	5.847033	5.973041	5.881486	6.045367	5.970753	6.120193
MINDY2	ENSG0000	0.845655	3.917305	9.555124	2.34E-08	1.25E-06	9.515651	3.236881	3.182839	3.489013	3.988393	3.978251	4.045196	4.283766	4.436718	4.339245	3.730807	3.992097	3.707046	4.072312	4.326476	4.189664	4.361843	4.455636	4.488745
IVD	ENSG0000	0.163014	6.168149	2.942331	0.00891	0.026512	-3.66768	6.402344	6.437637	6.454708	6.676049	6.768082	6.643644	6.487637	6.446436	6.357005	5.59692	5.54815	5.597869	6.059811	6.088441	6.145923	5.923967	5.927624	5.849434
KNSTRN	ENSG0000	-0.07785	4.839294	-1.11676	0.279214	0.396456	-6.60715	4.702888	4.897622	4.564038	4.052041	4.267295	4.241401	4.659269	4.971227	4.764393	5.565966	5.559265	5.61497	4.698772	4.600559	4.695277	5.455985	5.456227	5.311765
DUT	ENSG0000	-0.02258	6.208333	-0.40783	0.688354	0.777191	-7.32273	6.359567	6.491317	6.42416	6.225234	6.145011	6.19434	6.400221	6.506377	6.458862	6.262665	6.321217	6.348605	5.658595	5.769478	5.840085	6.267911	6.274712	6.168068
CHAC1	ENSG0000	-0.06486	4.243662	-0.11189	0.912185	0.941945	-6.76104	6.943714	6.908455	6.969726	4.869634	4.950037	4.951383	6.780575	6.720802	6.963088	2.121457	1.851833	2.004401	3.725018	3.591587	3.700188	2.013561	2.354144	2.06284
CLN6	ENSG0000	-0.20368	5.903874	-2.24988	0.037604	0.082865	-5.0527	5.98955	5.863	6.019525	5.420792	5.654575	5.599217	5.726144	5.749473	5.754509	6.582718	6.447215	6.517263	5.547339	5.393017	5.526854	6.368542	6.259333	6.31048

ARPP19	ENSG0000	-0.19335	7.871812	-5.01782	9.73E-05	0.000742	0.635725	7.937392	7.945033	7.923515	7.633319	7.598671	7.61462	7.674283	7.806514	7.732767	8.268294	8.22721	8.17712	7.690499	7.778836	7.699137	8.009166	8.039433	8.052327
VPS13C	ENSG0000	0.043639	5.869756	0.353	0.72831	0.807387	-7.24044	5.670345	5.820613	5.876425	6.67099	6.693695	6.918022	6.09814	6.32478	6.169423	5.471	5.801592	5.421185	5.797326	5.865289	5.84164	5.224213	5.19577	5.277879
CALML4	ENSG0000	-0.17468	2.815032	-1.30339	0.209351	0.316368	-5.83942	3.373632	3.370829	3.359697	3.181227	3.073582	2.845893	3.315502	3.083395	3.218306	3.255856	3.356645	3.125724	2.178139	2.363215	2.058312	2.957699	3.204393	3.093712
THAP10	ENSG0000	0.265014	2.476406	1.985324	0.063028	0.124458	-4.835	2.505419	2.332462	2.5366	2.325974	2.660129	1.799787	2.480375	2.540248	2.408535	3.331423	3.1855	2.93917	2.770846	2.433888	2.633039	3.516101	3.571152	3.267027
LOXL1	ENSG0000	0.447354	0.203949	2.254924	0.037227	0.082221	-4.02797	1.010037	0.499412	0.964748	0.395333	0.389229	0.3528	0.886508	0.622068	0.629397	1.555182	1.922393	1.820066	1.916818	1.681564	1.580823	2.26534	2.030948	2.442395
ANAPC13	ENSG0000	-0.21368	6.370136	-4.0508	0.00079	0.003868	-1.3343	6.563094	6.504766	6.569487	6.392338	6.364945	6.248587	6.404611	6.35566	6.302172	6.398438	6.435199	6.408678	6.474163	6.500165	6.492201	6.217134	6.179879	6.17478
MBD4	ENSG0000	-0.14591	5.453571	-1.81206	0.087193	0.160472	-5.72312	5.37392	5.460976	5.458019	5.132645	5.230876	5.253794	5.531176	5.653324	5.677057	5.80343	5.861181	5.808257	5.356354	5.487419	5.380516	5.457931	5.348921	5.499895
COPB1	ENSG0000	-0.19963	7.159211	-4.48221	0.000308	0.001833	-0.45543	7.765562	7.798761	7.713404	7.421727	7.440219	7.442457	7.419472	7.463253	7.461601	6.89441	6.823381	6.817907	6.75753	6.79515	6.767159	6.786632	6.765868	6.725958
PSMA1	ENSG0000	-0.26326	3.658638	-2.67955	0.015572	0.041356	-3.66979	4.71698	4.826575	4.574673	4.290615	4.392653	4.34463	4.576101	4.467202	4.355908	3.246125	3.423044	3.346558	2.921223	2.48471	3.021143	3.171932	3.160915	2.896697
SUMF2	ENSG0000	0.245495	7.102396	3.355557	0.003637	0.013033	-2.92441	6.759694	6.786028	6.691769	7.280506	7.331683	7.348003	7.092211	7.066472	7.135856	7.146663	7.046448	7.148135	7.155717	7.177591	7.091796	7.288727	7.257568	7.234746
PALLD	ENSG0000	-0.06199	7.650958	-0.4161	0.682401	0.772253	-7.40728	8.645558	8.599837	8.616917	8.671383	8.571423	8.6558	8.294154	8.333112	8.339584	6.319445	6.277022	6.408678	7.49808	7.445266	7.535386	6.569927	6.541621	6.560288
SPCS3	ENSG0000	0.553066	7.094613	10.11382	1.00E-08	6.54E-07	10.12342	6.851978	6.860096	6.834669	7.26156	7.239007	7.256415	7.595845	7.607074	7.600053	6.716459	6.801707	6.811122	6.990875	7.04418	7.012575	7.097969	7.151186	7.16988
SERGEF	ENSG0000	0.210947	1.858198	1.744297	0.098667	0.176991	-4.88197	2.296082	2.534795	2.37563	2.999448	3.170134	2.904994	2.637802	2.568641	2.501332	1.490718	1.616737	1.631268	1.973006	2.169719	2.416453	1.759719	1.737342	1.665483
E2F8	ENSG0000	-0.23143	1.930474	-1.06864	0.299769	0.418671	-5.97365	2.021155	2.152784	2.248556	1.888135	1.953662	2.132113	2.340763	2.184314	2.309357	3.236329	3.096753	3.247691	1.597456	1.357245	1.456457	2.855159	2.799093	2.649309
DCTD	ENSG0000	0.095049	7.106896	1.407187	0.176906	0.277823	-6.51065	7.457498	7.462814	7.466675	7.033552	7.057803	7.027348	7.577495	7.561886	7.603546	6.833171	6.896772	6.813593	6.8517	6.850291	6.862903	6.896133	6.915626	6.953751
PIMREG	ENSG0000	0.385831	2.913465	1.246674	0.228967	0.339652	-5.95509	3.27548	3.310847	3.25779	3.342644	3.517104	3.445903	3.814892	3.868266	3.69508	3.420635	3.584062	3.373604	1.365252	1.652223	1.08859	3.603046	3.467897	3.744016
RPAIN	ENSG0000	0.396148	4.861601	4.020069	0.000845	0.004089	-1.15345	4.892796	4.715296	4.574673	5.1079	5.079986	5.106307	5.253102	5.281075	5.519576	4.517783	4.47541	4.598401	5.102982	4.919664	5.121083	4.700972	4.625193	4.844905
PLD2	ENSG0000	0.030691	4.728072	0.24196	0.811628	0.870614	-7.04828	4.992709	5.03743	5.155563	5.180897	5.296516	5.195807	5.136557	5.150979	5.252213	4.161861	4.127684	4.194187	5.025392	4.953134	4.975731	4.137495	4.195062	3.992166
TXNDC17	ENSG0000	0.010582	6.006372	0.102095	0.919843	0.947312	-7.38999	5.938346	5.936292	5.841623	5.910205	5.979012	5.923682	5.774426	6.043026	5.754509	6.433158	6.359867	6.289476	5.729627	5.695898	5.718428	6.386015	6.418951	6.403414
FXR2	ENSG0000	-0.08397	6.219748	-2.46544	0.024301	0.058713	-4.62492	7.149947	7.138952	7.09414	6.682767	6.683917	6.642197	7.060574	7.020962	7.032107	5.702088	5.629491	5.784522	5.302552	5.277664	5.264758	5.65732	5.635678	5.603018
KIF1C	ENSG0000	0.390069	7.193835	8.787188	7.96E-08	3.11E-06	7.998664	7.240532	7.290284	7.273755	7.69692	7.810463	7.771061	7.65507	7.655034	7.583345	6.488885	6.43218	6.578115	7.242092	7.127831	7.102859	6.991206	6.907428	6.833783
MPDU1	ENSG0000	0.132243	6.337863	1.403028	0.178124	0.279271	-6.41576	6.559188	6.527344	6.553447	6.873941	6.922977	6.860709	6.974619	6.91299	6.860262	6.140615	6.002238	6.122141	5.737758	5.760913	5.726866	6.04666	5.935709	5.911023
PHF20L1	ENSG0000	0.34746	6.185819	4.757311	0.00017	0.001151	0.227119	5.713155	5.754602	5.785507	6.154502	6.005424	6.142073	6.314182	6.401762	6.331956	6.118119	6.258958	6.123138	6.536863	6.544756	6.582373	6.334008	6.289928	6.325637
CCNT1	ENSG0000	-0.49163	6.60396	-7.89318	3.63E-07	9.65E-06	6.460581	7.242157	7.139814	7.212082	6.218315	6.161547	6.125602	6.585604	6.651149	6.668483	6.992244	6.942055	6.81606	6.261275	6.298326	6.339916	6.429288	6.507314	6.562849
PUS7L	ENSG0000	0.121733	5.143306	2.141741	0.046573	0.098084	-5.08402	5.394524	5.430295	5.417238	5.355021	5.104628	5.384134	5.61311	5.656635	5.588176	5.055104	4.997958	4.956908	4.72355	4.682664	4.85468	4.991566	4.965609	5.174518
KRI1	ENSG0000	0.312012	5.152072	5.031152	9.46E-05	0.000726	0.977793	4.901049	4.929882	5.141325	5.404628	5.399687	5.435149	5.409787	5.400404	5.482116	5.001167	5.008809	5.056239	5.045184	5.120493	5.11852	5.215041	5.179522	5.239981
ILF3	ENSG0000	0.029898	8.344004	0.939736	0.36016	0.482075	-7.14455	8.550721	8.47831	8.523943	8.222891	8.232181	8.216755	8.611418	8.57318	8.563685	8.350343	8.302997	8.322575	8.171176	8.086724	8.099474	8.31655	8.313322	8.338945
SLC44A2	ENSG0000	0.111424	5.549505	1.339585	0.19754	0.302007	-6.46875	3.313074	3.461896	3.597291	4.740363	4.694855	4.76722	3.586698	3.833587	3.708117	6.982021	7.037203	7.083056	7.62552	7.592038	7.602491	7.138555	7.099586	7.068114
AP1M2	ENSG0000	-0.1472	4.93511	-2.63204	0.017203	0.044621	-4.27226	3.156438	3.335139	3.384088	2.840308	3.151334	3.216292	3.277716	3.3682	3.373665	6.935858	6.769372	6.960193	6.831579	6.894032	6.831167	6.75613	6.715104	6.664102
CDKN2D	ENSG0000	-0.78229	1.607252	-4.69357	0.000195	0.001277	0.813784	2.245129	2.356396	2.194417	1.326771	1.768674	1.956998	2.058296	1.710758	2.127218	2.906434	2.779525	2.957162	1.473091	1.591687	1.390007	2.075685	2.078458	1.973284
MTUS1	ENSG0000	-0.46594	5.06222	-5.84404	1.75E-05	0.000197	2.75002	4.937612	4.843609	4.86196	5.884211	5.853781	5.887507	4.651903	4.540708	4.819498	5.203266	5.014203	5.039448	5.681258	5.637204	5.730227	4.37837	4.451131	4.546811
KLK10	ENSG0000	0.000649	1.753138	0.008297	0.993474	0.995361	-7.12943	0.41387	0.410755	0.219246	0.395333	0.25478	0.3528	0.269385	0.387194	0.735084	5.342194	5.370266	5.500009	5.710474	5.605024	5.663227	5.371825	5.496136	5.29338
NGDN	ENSG0000	-0.36744	6.039776	-5.76051	2.07E-05	0.000223	2.351904	6.063102	5.871329	5.922947	5.122798	5.084948	5.143594	5.356409	5.619796	5.653661	6.879539	6.785236	6.872255	6.412005	6.416471	6.40235	6.569027	6.45202	6.529201
RAB2B	ENSG0000	-0.25944	4.596634	-5.94952	1.41E-05	0.000167	2.984041	4.688657	4.742796	4.676925	4.525489	4.522687	4.633822	4.411387	4.436718	4.497806	4.782995	4.953722	4.845406	4.763924	4.753456	4.745971	4.609434	4.592839	4.646745
BCL2L2	ENSG0000	0.175422	5.744093	2.819965	0.011572	0.032651	-3.92203	5.423458	5.355074	5.463752	5.222985	5.171467	5.167927	5.740105	5.75257	5.892253	6.099326	6.157786	6.097004	6.004721	5.920171	5.969444	6.142902	6.108723	6.216033
AJUBA	ENSG0000	-0.45004	7.420204	-1.84348	0.082283	0.153731	-5.91632	7.50835	7.385683	7.469528	5.918767	5.965622	5.911724	6.52843	6.642827	6.660121	8.061232	7.989095	8.115118	8.655242	8.576095	8.646199	7.936739	7.897223	7.886942
DTD2	ENSG0000	-0.08756	4.282041	-1.31795	0.204533	0.310505	-6.17031	4.511345	4.256058	4.188143	4.245952	4.500575	4.372816	4.205428	4.357565	4.288067	4.421642	4.374156	4.29666	4.565023	4.553723	4.539229	4.236002	4.173346	4.341429
PARP2	ENSG0000	-0.06145	4.782352	-1.29985	0.210535	0.317822	-6.37254	4.735558	4.765319	4.526184	4.052041	4.222966	4.279122	4.695544	4.696781	4.570996	5.384942	5.391149	5.373413	4.790225	4.90419	4.782046	5.286834	5.292118	5.329918
HEATR5A	ENSG0000	-0.33585	4.93466	-2.45008	0.025079	0.06014	-4.41551	5.153322	5.188404	5.116065	5.927278	5.876854	6.009218	4.709802	4.759705	4.620106	4.71408	4.896447	4.66833	4.790225	4.837324	4.866948	4.619897	4.525868	4.45054
FOXA1	ENSG0000	-0.24906	6.007446	-2.1942	0.042002	0.090449	-5.06593	6.543459	6.665473	6.601043	7.078821	7.018142	6.932297	6.725501	6.629411	6.809748	5.487612	5.51238	5.599302	5.482686	5.583812	5.461619	4.817667	4.897703	4.771534
SNX6	ENSG0000	0.164921	6.895486	3.536345	0.002448	0.009526	-2.53437	6.469086	6.461282	6.443147	6.333788	6.250358	6.229446	6.564183	6.59359	6.502546	7.291472	7.27486	7.25654	7.395594	7.444196	7.381964	7.487018	7.492188	7.484763
EAPP	ENSG0000	-0.08539	5.014088	-1.26237	0.2234	0.333322	-6.43498	4.688657	4.55906	4.370098	4.54774	4.701332	4.651187	4.454362	4.316298	4.364168	5.373815	5.52755	5.464284	5.882915	6.018303	5.958022	5.375946	5.433569	5.448204
EGLN3	ENSG0000	0.824383	3.984381	3.282295	0.004268	0.014835	-2.71935	3.313074	3.35903	3.24453	3.605613	3.602632	3.560621	2.933443	3.083395	3.181386	4.373294	5.179378	4.798774	3.819988	3.952144	3.968435	5.908404	5.987961	5.830433
MIS18BP1	ENSG0000	0.119535	4.387452	0.99657	0.332571	0.452892	-6.65774	3.719942	3.704977	3.597291	4.092964	3.901574	3.848471	4.023335	4.030158	3.90213	5.267203	5.321056	5.341234	4.431031	4.537767	4.610269	5.224213	5.339201	5.461988
NEDD8	ENSG0000	0.244105	5.427065	5.337424	4.96E-05	0.000438	1.567818	4.91334	5.059469	4.904734	5.342348	5.287935	5.199746	5.071794	5.314991	5.265504	5.542307	5.599299	5.546801	5.920311	5.974523	6.018381	5.794488	5.800579	5.765225
DAD1	ENSG0000	0.210968	7.03167	4.462676	0.000321	0.001895	-0.50843	6.724088	6.794813	6.748056	6.725687	6.812138	6.794527	7.17676	7.096033	6.999336	7.206217	7.170011	7.109441	7.144547	7.219454	7.247099	7.271688	7.232192	7.304492
TEP1	ENSG0000	-0.0078	5.177515	-0.0755	0.940674	0.961825	-7.30135	4.158957	3.944869	4.034833	4.209199	4.368438	4.427589	4.716879	4.677356	4.534865	6.232183	6.219803	5.994014	6.339944	6.1514	6.318861	5.85183	5.93248	5.966227
EPB41L4A	ENSG0000	-0.42371	1.155777	-2.81397	0.011721	0.033003	-3.10408	0.882475	0.582935	0.679585	1.256461	1.2379	1.422231	0.415731	0.622068	0.256032	2.679436	3.086546	2.992487	3.865227	3.779712	3.945482	2.782512	2.535313	2.610232
REEP5	ENSG0000	0.196968	7.31089	3.43145	0.003081	0.011469	-2.77045	7.123742	7.238097	7.107935	7.680232	7.618485	7.651759	7.494482	7.594184	7.536604	7.162915	7.049735	7.123451	7.349466	7.352537	7.288157	7.151234	7.064623	7.179089
ITFG1	ENSG0000	-0.04126	6.670844	-0.93633	0.361862	0.483726	-6.95804	7.191752	7.248527	7.244914	7.60265	7.533012	7.663929	7.217247	7.24091	7.327573	5.97524	5.886405	5.995103	6.224136	6.281656	6.274656	5.866549	5.876461	5.720055
QRICH2	ENSG0000	0.530023	0.944893	2.961989	0.008542	0.025663	-2.65838	1.235614	1.277811	1.028027	1.519216	1.373859	1.422231	2.01302	1.605065	1.38134	1.98771	1.529011	1.538714	1.776519	1.622273	1.355599	1.926335	1.766644	2.091498
SEC14L1	ENSG0000	0.209213	7.015958	2.476449	0.023757	0.0577	-4.75246	5.353017	5.263109	5.281005	5.955291	5.899563	5.986596	5.967764	5.9217	6.089476	8.290654	8.272934	8.270014	8.458952	8.412918	8.423712	8.257469	8.249244	8.233604
RHBDF2	ENSG0000	-0.12632	5.569672	-1.49368	0.153094	0.248463	-6.20511	5.465799	5.447111	5.431935	5.468225	5.760718	5.477948	5.093706	4.883536	5.062209	5.627223	5.734541	5.737147	6.231832	5.993658	6.094687	5.922559	5.701643	5.694596
ARHGEF6	ENSG0000	1.291025	0.045687	5.221313	6.33E-05	0.000528	1.872332	0.503316	0.875715	0.323815	1.393812	1.2379	1.250575	0.983587	1.15884	1.0941	0.7264	1.152172	0.76743	1.308151	1.16289	1.390007	1.387593	1.581179	1.504318
MAP7D3	ENSG0000	0.020026	5.048416	0.374696	0.712394	0.795876	-7.10404	5.243701	5.281977	5.173166	5.5623	5.36339	5.525804	5.315037	5.093515	5.188519	4.696324	4.699561	4.748003	5.107173	5.14703	5.188613	4.835732	4.758787	4.75819
FGF13	ENSG0000	-0.11661	1.956815	-1.71587	0.103858	0.184032	-5.46997	1.430644	1.327092	1.088647	0.635873	0.92021	0.657796	1.389995	1.231675	1.314712	4.232554	4.292151	4.34529	3.259174	3.366191	3.137101	4.222335	4.145732	4.101878
ASH2L	ENSG0000	-0.52523	5.58221	-9.2221	3.95E-08	1.83E-06	8.819719	5.51233	5.418975	5.636121	4.982834	5.084948	5.155812	4.845133	4.802174	4.84333	6.392937	6.385071	6.462418	5.833186	5.855668	5.893528	6.020575	5.997261	5.950669
TTI2	ENSG0000	-0.25562	4.074685	-3.32144	0.003919	0.013867	-2.54123	4.066597	4.412648	4.294909	3.766043	4.081169	3.818042	4.045989	3.978187	3.935772	4.509673	4.214605	4.45065	4.301707	4.250194	4.261115	4.203908	4.123255	4.190648
SGO1	ENSG0000	0.279836	2.329786	1.190897	0.249617	0.36375	-5.87681	3.142584	3.196163	3.075109	2.577385	2.57804	2.697781	3.747379	3.578282	3.572114	2.906434	2.877496	2.983737	1.018891	1.032323	0.812339	2.75746	2.881762	2.912845
RPS4Y1	ENSG0000	-0.32438	8.249677	-5.24548	6.02E-05	0.000508	1.131365	9.301438	9.311419	9.245973	8.815511	8.730294	8.790866	8.860991	8.90085	8.972752	7.633627	7.663125	7.599261	7.558241	7.553873	7.55826	7.371548	7.35965	7.367363
KLF16	ENSG0000	0.28022	5.250182	2.417072	0.026831	0.063438	-4.61505	4.776503	4.933864	5.029808	5.241304	5.710229	5.268872	4.974767	5.127313	5.03142	5.295783	5.285805	5.507659	5.280456	5.347976	5.234307	5.75864	5.746454	5.661529
PGAP6	ENSG0000	0.348355	6.092416	4.031388	0.000825	0.004014	-1.34068	5.451823	5.343146	5.426074	6.402548	6.476771	6.401779	5.781194	5.626565	5.848765	5.98551	6.064665	6.183609	6.703891	6.587042	6.557045	6.547266	6.439566	6.245022
DOHH	ENSG0000	0.006588	4.31956	0.07911	0.937844	0.960157	-7.04985	4.659767	4.677795	4.799861	4.227693	4.600983	4.28655	4.591583	4.467202	4.7071	4.092963	4.23323	4.463295	4.114557	3.970091	4.062102	4.511692	4.38181	4.236277
MAU2	ENSG0000	-0.05412	5.682702	-0.69337	0.497186	0.61444	-7.0785	5.883176	5.850414	5.891391	5.540275	5.627623	5.510028	6.020192	5.695778	5.851705	5.806744	5.56295	5.63327	5.828117	5.685073	5.645534	5.531817	5.690219	5.554952
SHC2	ENSG0000	1.45119	0.496289	4.522597	0.000282	0.001703	0.515167	1.894617	1.849715	2.446827	4.687901	4.352066	4.30129	3.258446	3.40015	3.746538	0.190076	0.259702	0.34382	0.656707	0.484926	0.651457	0.393424	0.2791	0.214669
PLPPR3	ENSG0000	0.811998	-1.511	1.899008	0.074198	0.141719	-4.25156	1.18244	1.465573	1.54317	1.933905	1.864131	1.757653	1.917967	2.220554	2.501332	0.190076	0.185134	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.214669
ABHD17A	ENSG0000	0.256327	5.13629	2.868566	0.010434	0.030077	-3.66021	5.060589	5.091908	5.148462	5.49519	5.539998	5.438487	5.515028	5.408281	5.44755	4.451587	4.881766	4.983487	5.335073	5.313248	5.319341	5.075046	5.006099	4.712796
LBP	ENSG0000	-0.76841	-0.49046	-1.45185	0.164258	0.262338	-4.90831	2.707144	2.49222	2.794903	4.009923	3.901574	4.146631	1.588238	1.901414	1.873138	0.106501	0.330605	0.16959	0.171976	0.345231	0.106501	0.183756	0.19538	0.214669
SYT5	ENSG0000	-0.11522	0.196429	-0.5352	0.599254	0.702348	-6.02232	0.742531	0.736739	0.829201	0.635873	0.828511	0.746642	0.670238	0.622068	0.256032	1.490718	1.725977	1.439812	2.112949	2.363215	2.23906	1.809319	1.645686	1.416439
TNNI3	ENSG0000	-0.19603	-0.37916	-1.28278	0.216319	0.325038	-5.79337	0.106501	0.215206	0.219246	0.106501	0.106501	0.106501	0.415731	0.106501	0.106501	3.216534	3.232543	3.380287	2.83289	2.985883	2.821313	2.968656	3.138674	3.121769
CBFA2T3	ENSG0000	-0.07619	0.382794	-0.18811	0.852959	0.900908	-6.1311	1.430644	1.591918	0.898566	0.934951	1.373859	1.575618	0.415731	0.387194	0.39151	1.315703	1.335727	1.439812	1.420179	1.710321	1.456457	2.173627	1.82352	2.033602
GAMT	ENSG0000	0.112036	4.526926	1.624361	0.122195	0.209059	-5.76423	4.635242	4.756352	4.840087	4.93299	5.26188	4.979151	4.932837	4.894793	4.849226	4.13575	4.061483	4.29666	4.386902	4.455227	4.531543	4.319678	4.128907	4.261717
PUDP	ENSG0000	0.121257	5.276686	1.768904	0.094357	0.170809	-5.75016	4.91334	4.929882	4.966609	5.432797	5.435093	5.316813	4.956946	4.955186	5.136423	5.512178	5.372368	5.399966	5.645688	5.522299	5.485683	5.571885	5.469653	5.65194
ERMARD	ENSG0000	-0.5278	3.877729	-5.82231	1.83E-05	0.000202	2.855331	4.450796	4.440906	4.458888	3.955484	3.6964	3.744443	3.690999	3.736817	3.668646	4.03198	4.14254	4.286022	3.979357	3.927863	3.824901	3.717885	3.974229	3.865145
PHF10	ENSG0000	0.240263	6.106821	1.792207	0.090428	0.164899	-5.79794	6.66474	6.748083	6.667134	6.44268	6.418997	6.567948	7.382122	7.282216	7.273781	5.485546	5.590297	5.546801	5.43514	5.458046	5.449434	5.373887	5.319564	5.255893
CRACR2A	ENSG0000	0.122715	2.645707	1.201648	0.24553	0.358785	-5.98686	2.483604	2.332462	2.492412	2.605941	2.460774	2.581827	2.637802	2.389238	2.309357	3.376719	3.423044	3.240362	3.057395	3.032175	2.895043	3.552967	3.385297	3.519884
FAM155B	ENSG0000	0.168497	-0.51672	0.717834	0.482345	0.601213	-5.69399	3.911847	3.686213	3.55495	4.59836	4.745876	4.67402	4.000319	3.82184	3.759121	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SAT1	ENSG0000	-0.37634	7.506764	-2.96231	0.008536	0.025656	-3.73735	9.10714	9.063185	9.087911	8.736192	8.760847	8.713421	8.311789	8.396358	8.346897	6.467061	6.429154	6.344338	5.996837	5.983386	6.019755	6.495177	6.500789	6.567956
GNL3L	ENSG0000	-0.41629	5.044776	-7.51389	7.12E-07	1.65E-05	5.952942	5.379837	5.372784	5.287484	4.845887	5.07001	4.923071	4.864381	4.933517	5.092354	5.346754	5.342658	5.303055	5.047367	5.117812	4.950015	4.820694	5.042491	4.874064
SH3BP4	ENSG0000	-0.4815	7.309312	-3.95863	0.000968	0.004563	-1.64731	7.156856	7.072773	7.136929	6.35076	6.371051	6.36892	6.323484	6.265306	6.22717	8.08633	7.973948	8.085263	8.341364	8.206685	8.302784	7.847557	7.829847	7.815731
MOSPD2	ENSG0000	-0.20609	4.871836	-2.54705	0.020534	0.051381	-4.24104	5.250176	5.188404	5.211151	5.506594	5.239802	5.408166	5.342749	5.210752	5.150819	4.816256	4.761819	4.803754	4.561973	4.51757	4.523816	4.386563	4.338561	4.411295
DOCK6	ENSG0000	0.358961	5.090405	5.562957	3.11E-05	0.000306	2.091791	4.595114	4.738249	4.804386	4.892995	4.966263	4.78306	5.272444	5.103252	5.265504	5.117808	5.135498	5.240153	5.482686	5.363901	5.384788	5.323569	5.502682	5.445432
ECSIT	ENSG0000	0.682155	4.269376	7.698341	5.12E-07	1.27E-05	6.406793	3.983545	4.006672	3.819232	4.456603	4.7142	4.55606	4.986526	4.77806	4.831463	4.03198	3.890158	4.100159	4.31626	4.215509	4.27038	4.530299	4.386537	4.370952
LDLR	ENSG0000	0.010518	6.752804	0.04217	0.966841	0.978451	-7.47932	6.841296	6.76718	6.852259	7.106565	6.980027	7.048253	6.987844	6.833319	6.943927	7.251907	7.158486	7.241019	5.585386	5.372923	5.473701	7.217031	7.090924	7.074409
ELOF1	ENSG0000	-0.07923	5.984289	-1.89489	0.074773	0.14255	-5.66785	5.87482	5.959918	5.887131	5.704425	5.839171	5.804577	5.781194	5.874148	5.970082	6.312469	6.191511	6.28681	6.131511	6.039705	6.026606	6.119744	6.125784	6.211145
PRKCSH	ENSG0000	-0.05479	8.634659	-1.44892	0.165065	0.263213	-6.57652	8.592723	8.559811	8.628767	8.359136	8.426486	8.374494	8.560205	8.455048	8.563236	8.827819	8.750394	8.812341	8.82974	8.74043	8.748158	8.758393	8.78183	8.72266
CDC16	ENSG0000	-0.10121	5.956806	-1.8015	0.088902	0.162545	-5.77746	6.48427	6.470907	6.427097	6.270533	6.248147	6.354858	6.227647	6.236837	6.215804	5.627223	5.555569	5.600733	5.654305	5.776294	5.611309	5.515099	5.669038	5.720055
THEM6	ENSG0000	-0.09657	6.225445	-2.33611	0.031626	0.072211	-4.92337	6.077737	6.068955	5.992018	5.915919	6.015855	5.845381	5.925627	5.929932	5.857568	6.640499	6.598534	6.643465	6.47254	6.373292	6.382194	6.623769	6.55952	6.498767
NECTIN2	ENSG0000	0.392105	6.737986	6.687469	3.31E-06	5.42E-05	4.173954	5.983734	5.981241	5.927103	6.234408	6.379154	6.202215	6.538451	6.476718	6.610642	7.026043	6.996218	7.092244	7.465809	7.360496	7.37929	7.332323	7.279333	7.286014
APOE	ENSG0000	0.688689	2.28744	6.624341	3.74E-06	5.96E-05	4.447447	0.742531	0.875715	0.829201	0.934951	1.307481	1.055701	0.983587	0.824004	1.0941	3.812196	4.092415	4.15185	5.511428	5.674166	5.645534	4.780845	4.805418	4.504815
TOMM40	ENSG0000	-0.07469	7.268129	-1.4071	0.176931	0.277823	-6.54352	7.366561	7.276237	7.391972	6.765786	6.973352	6.874328	7.228432	7.165069	7.196093	7.651706	7.550679	7.717452	7.022836	6.968829	6.976941	7.680189	7.648912	7.548164
APOC1	ENSG0000	0.744558	0.243896	2.671775	0.015828	0.041858	-3.07773	1.18244	1.631689	1.62731	1.022291	1.556428	1.123626	2.01302	2.029503	2.047395	0.415169	0.748206	0.993481	0.745413	0.986036	0.910419	1.017342	0.816175	1.058313
GADD45G	ENSG0000	0.932227	1.237383	3.342712	0.003741	0.01335	-1.87078	1.384302	1.508929	2.166567	1.888135	2.490996	1.840725	2.908934	2.702788	2.616448	0.934589	1.300837	1.439812	1.392977	1.652223	1.947161	1.681967	1.289746	1.370407
XPO7	ENSG0000	-0.0589	7.027042	-1.64068	0.118735	0.204245	-6.18615	6.957628	6.971803	6.968719	6.776816	6.721046	6.741468	6.805684	6.869431	6.76989	7.319	7.318575	7.226257	7.120391	7.081117	7.14124	7.335501	7.285673	7.283687
ACE2	ENSG0000	-0.65313	-1.28125	-2.30414	0.033731	0.076072	-3.79462	0.106501	0.410755	0.219246	0.106501	0.389229	0.106501	0.106501	0.106501	0.106501	1.646779	1.725977	1.60868	1.597456	1.871771	1.826726	1.320757	1.16325	1.461048
FAM98C	ENSG0000	-0.04138	3.418516	-0.50102	0.622609	0.722547	-6.70629	3.498536	3.695626	3.597291	3.359513	3.362223	3.548316	3.219115	3.431409	3.406029	3.42926	3.654848	3.608031	3.675081	3.806595	3.665494	3.637781	3.603991	3.744016
SAFB2	ENSG0000	0.009224	5.660335	0.150173	0.882348	0.921747	-7.32924	5.325688	5.312885	5.408347	5.499001	5.641162	5.408166	5.478019	5.525174	5.500968	5.895008	6.041075	6.089887	5.852036	5.874847	5.821296	5.996688	5.942144	5.806864
RPL36	ENSG0000	0.096182	7.885583	2.522579	0.021601	0.053423	-4.70117	8.113287	8.028871	8.085194	8.003666	8.098097	7.963479	8.039302	8.147345	8.118165	7.639214	7.589143	7.734505	7.656232	7.728766	7.656931	7.792741	7.827242	7.832805
ATP8B3	ENSG0000	0.409003	3.903748	1.886903	0.075898	0.144289	-5.43481	3.288121	3.537122	3.454879	2.143217	1.909591	2.5075	3.33403	3.002451	3.181386	4.581075	4.641483	4.592658	5.704954	5.642809	5.769963	5.212738	5.140881	5.109451
GTPBP3	ENSG0000	-0.56856	4.091027	-6.7329	3.04E-06	5.09E-05	4.617739	4.772011	4.813666	4.831244	3.898911	3.967543	3.700636	4.045989	4.009594	4.011347	4.434552	4.309807	4.563592	3.90909	3.858903	3.862146	4.147172	4.128907	3.945834
BST2	ENSG0000	0.688984	3.784124	9.443063	2.79E-08	1.41E-06	9.172442	0.882475	0.410755	0.512639	1.688986	1.373859	1.422231	1.389995	0.915275	0.833554	7.223676	7.17604	7.194377	7.939058	7.967091	7.875696	7.825503	7.892661	7.886431
SLC27A1	ENSG0000	-0.01702	3.165103	-0.0872	0.931503	0.955042	-6.67036	3.701161	3.638208	3.764544	3.766043	3.656958	3.405543	3.80164	3.605944	3.437684	2.722179	2.753956	2.546206	3.532792	3.759216	3.68641	2.75746	2.755911	2.687355
NSUN5	ENSG0000	-0.38513	6.375173	-2.88506	0.010073	0.029255	-3.85459	7.213452	7.141537	7.26967	5.790912	5.803491	5.608136	6.564183	6.58319	6.566582	6.4353	6.430163	6.528588	6.120151	6.052395	6.034784	6.448982	6.301236	6.198027
COLGALT1	ENSG0000	0.41988	7.013461	10.43379	6.25E-09	4.52E-07	10.61629	7.226645	7.225969	7.249069	7.326274	7.314886	7.327447	7.77773	7.754166	7.754925	6.551455	6.507749	6.563508	6.465212	6.475248	6.412847	6.818775	6.894213	6.814573
DDA1	ENSG0000	-0.76316	5.620541	-4.49182	0.000302	0.0018	-0.24867	7.003381	6.978566	7.015332	5.464331	5.53638	5.513197	5.817858	5.730749	5.809985	5.389369	5.29248	5.440499	5.111351	5.203748	5.097852	5.177758	5.104049	5.070394
MRPL34	ENSG0000	0.40219	4.8158	4.457058	0.000325	0.001912	-0.15063	4.957532	4.984658	4.925655	5.608898	5.757614	5.547605	5.193472	5.155666	5.179186	3.792275	4.092415	4.178935	4.753268	4.901075	4.94134	4.829736	4.455636	4.433851
PGLS	ENSG0000	0.060827	5.2043	0.675975	0.507903	0.623754	-6.97185	5.544295	5.504468	5.613091	5.59472	5.745129	5.590242	5.440037	5.210752	5.44755	4.748949	4.57733	4.864598	5.284162	5.087991	5.103047	5.170659	4.959278	4.930673
LSM7	ENSG0000	-0.15799	5.248615	-1.5075	0.149545	0.244067	-6.14591	5.474121	5.493717	5.514348	4.809518	4.944587	4.78306	5.286782	5.183472	5.261087	5.215784	5.368161	5.593562	5.375589	5.421557	5.507395	5.465685	5.348921	5.133766
TULP4	ENSG0000	-0.01644	4.616193	-0.23354	0.818057	0.875269	-7.0813	4.461995	4.446492	4.579961	4.753186	4.928114	4.809079	4.629578	4.734864	4.578115	4.663802	4.839847	4.491347	4.905394	4.919664	4.842308	4.446571	4.538664	4.602629
SNX9	ENSG0000	0.116736	5.807329	1.727809	0.101649	0.181019	-5.84612	6.568285	6.443236	6.427097	6.500859	6.4692	6.455483	6.447785	6.431054	6.395797	5.082702	4.981528	5.022459	5.418375	5.260752	5.121083	5.319295	5.382432	5.329918
RTN4IP1	ENSG0000	-0.38218	3.09921	-3.0137	0.007643	0.023466	-2.86834	4.369865	4.366251	4.388298	3.392671	3.683372	3.689474	3.879385	3.999201	4.021828	3.013555	2.804649	2.546206	2.683738	2.467968	2.365487	2.744769	2.410923	2.350536
QRSL1	ENSG0000	0.173482	4.683115	3.100184	0.006341	0.020327	-3.08467	4.871956	4.893538	4.874926	5.05192	5.244245	5.122998	5.115291	5.048863	5.202407	4.337085	4.292151	4.408771	4.470601	4.612034	4.456413	4.398766	4.386537	4.562249
MTRES1	ENSG0000	-0.18457	3.604602	-1.95271	0.067058	0.130694	-5.06028	3.903656	3.759847	3.819232	3.591402	3.683372	3.936085	3.33403	3.633086	3.572114	3.552807	3.70241	3.824415	3.942308	3.976023	3.880413	3.439417	3.835933	3.631427
RSPH3	ENSG0000	-0.05037	4.013894	-0.82994	0.417764	0.539506	-6.67677	3.520128	3.428416	3.371944	3.933121	3.945887	3.666886	3.277716	3.318907	3.289427	4.447347	4.525382	4.662859	4.964332	4.950123	5.097852	4.526597	4.580516	4.510131
MLLT1	ENSG0000	0.361012	6.059093	2.17894	0.043287	0.092631	-5.14341	5.471352	5.597782	5.517107	6.860671	7.03234	6.83181	6.362363	6.260962	6.229433	5.853955	5.855181	5.965409	6.117038	5.986328	5.903984	6.010007	5.814676	5.811178
AFDN	ENSG0000	-0.04165	6.601375	-0.62212	0.541893	0.653696	-7.25142	5.786261	5.796758	5.835003	6.655706	6.552164	6.676523	5.994216	6.030322	5.912107	7.090675	7.032559	7.002501	7.393879	7.365025	7.433908	6.836079	6.913171	6.814573
ACTN4	ENSG0000	-0.17764	9.30108	-1.19298	0.24882	0.362746	-6.94087	9.644693	9.619167	9.70164	8.872814	9.030183	8.865605	9.094896	8.916468	9.046142	9.203815	9.110252	9.246503	9.682306	9.581252	9.578881	9.439014	9.438263	9.390875
STK33	ENSG0000	-0.19678	1.477576	-1.05417	0.306162	0.425431	-5.83208	2.27083	2.425906	2.138168	1.933905	1.006428	1.250575	1.966276	1.988058	1.962896	1.964162	2.032826	2.272125	1.797417	1.897007	2.058312	2.075685	1.981819	2.091498
NDUFA10	ENSG0000	-0.23395	7.004805	-3.32512	0.003887	0.01377	-2.97223	7.456798	7.485375	7.501928	7.096538	7.05654	7.06886	7.24566	7.302434	7.279252	6.840465	6.803266	6.845941	6.894152	6.828323	6.867489	6.601945	6.53525	6.589464
ARPC1B	ENSG0000	0.577192	6.818493	9.845696	1.50E-08	8.82E-07	9.760358	6.962565	7.016614	7.046228	7.897217	8.051328	7.856508	7.726057	7.635034	7.779065	5.740714	5.701482	5.843749	6.420449	6.39449	6.417024	6.235393	6.12437	6.159635
CACNG6	ENSG0000	1.260011	-1.00232	2.683528	0.015442	0.041065	-2.98119	2.296082	2.403106	2.621113	2.255624	1.909591	2.029614	3.705302	3.659726	4.00079	0.106501	0.185134	0.106501	0.106501	0.190544	0.186984	0.106501	0.106501	0.106501
ZSWIM6	ENSG0000	0.278428	4.799227	1.984716	0.063101	0.124515	-5.2375	4.888652	4.843609	4.892035	5.525403	5.379635	5.54451	5.687041	5.557409	5.646906	4.553726	4.407337	4.415294	4.444342	4.585115	4.523816	4.298124	4.123255	4.087723
FCHO1	ENSG0000	-0.59615	3.47508	-3.81434	0.001329	0.005879	-1.44459	3.662849	3.82133	3.792147	2.48816	2.57804	2.374422	2.102195	2.357042	2.440135	4.509673	4.602618	4.714017	4.352013	4.372183	4.265755	4.382472	4.386537	4.229846
UNC13A	ENSG0000	-0.23753	-0.22317	-0.84947	0.407103	0.529049	-5.52979	2.649532	2.655462	2.848472	2.633943	2.366112	2.557474	2.226405	2.389238	2.530983	0.190076	0.259702	0.34382	0.171976	0.26996	0.263213	0.393424	0.19538	0.409347
MAP1S	ENSG0000	0.968357	4.337625	12.28078	5.01E-10	6.90E-08	13.30256	3.672523	3.628412	3.638424	4.464421	4.70778	4.679672	4.622059	4.357565	4.585199	3.629659	3.930661	4.124247	5.014278	4.979952	4.891173	4.934035	4.854006	4.744721
NA	ENSG0000	-0.07042	4.544223	-0.96247	0.348939	0.470155	-6.58108	5.184082	5.022548	5.11242	4.96641	5.185395	5.139498	5.104539	4.911516	5.021009	4.161861	4.127684	4.362268	4.089359	4.022628	4.062102	4.340914	4.167865	4.007286
PXDN	ENSG0000	1.085066	-0.0026	3.627372	0.002004	0.008105	-1.21327	1.430644	1.508929	1.744977	2.063099	2.155834	2.557474	2.058296	2.147141	1.962896	0.415169	0.259702	0.230035	0.407676	0.7293	0.470356	0.63264	0.69947	0.999041
SSBP4	ENSG0000	0.182864	4.922149	1.344529	0.195968	0.300288	-6.20019	4.933595	5.033724	5.248163	6.007062	6.285268	6.024845	5.157514	4.981823	5.082376	3.968304	4.296585	4.385707	4.798023	4.872735	4.769032	4.681127	4.683969	4.335451
GDF15	ENSG0000	-1.19535	6.242035	-11.2074	2.09E-09	1.92E-07	11.83286	9.293232	9.368254	9.527488	6.730558	6.892168	6.618851	8.120259	7.945621	8.092915	5.625347	5.557418	5.847371	3.013417	3.04352	3.157218	5.052051	4.83684	4.531205

PGPEP1	ENSG0000	0.303718	3.319736	3.120391	0.006069	0.01971	-2.77779	2.9807	2.784561	2.794903	3.605613	3.31232	3.655458	3.238915	3.285084	3.513908	3.45483	3.654848	3.406715	3.90909	3.858903	3.951255	3.603046	3.503143	3.881648
IQCN	ENSG0000	-1.08841	-0.03339	-2.39785	0.027903	0.06543	-3.66027	1.681202	1.508929	1.202741	0.395333	0.512209	0.2349	0.670238	0.509405	0.106501	1.586365	1.752042	1.514616	2.112949	1.766169	1.900186	1.177011	1.645686	1.170016
LSM4	ENSG0000	-0.11847	6.34005	-1.94916	0.067511	0.131378	-5.60345	7.063438	7.05277	7.030862	6.359172	6.534135	6.44058	6.823824	6.79177	6.743221	6.028718	6.06076	6.315861	5.588386	5.603108	5.522983	6.209072	6.144042	6.157942
JUND	ENSG0000	-0.1531	6.085224	-1.48904	0.154299	0.249964	-6.24496	6.119004	6.302485	6.351807	7.025647	6.903447	6.803615	6.119658	5.938116	6.121501	5.542307	5.754018	5.892483	5.93453	6.178667	6.12437	5.899843	5.637662	5.296461
TRPM4	ENSG0000	-0.03116	4.554144	-0.31215	0.758622	0.831158	-7.14869	3.878801	3.812706	3.871922	3.503067	3.808643	3.510758	3.523527	3.564249	3.890739	5.316853	5.29248	5.45006	5.959081	5.895341	5.912885	5.400428	5.469653	5.277879
ZNF557	ENSG0000	-0.08423	3.184279	-1.02553	0.319098	0.438868	-6.27782	2.9807	2.853456	3.029452	2.887595	3.132285	3.27721	3.178682	3.043491	2.798137	3.818776	3.576789	3.759253	3.809739	3.637228	3.665494	3.552967	3.554448	3.641153
CRB3	ENSG0000	0.231156	1.036076	1.742032	0.099072	0.177539	-5.1734	0.216396	0.582935	0.679585	0.635873	0.92021	0.563119	0.415731	0.509405	0.39151	3.367773	3.055486	3.164958	3.993008	4.062207	3.922159	3.501087	3.494411	3.202807
OLFM1	ENSG0000	0.716032	-1.13165	2.861184	0.0106	0.030438	-2.64935	1.959273	2.232543	2.109199	2.548252	2.787348	2.784269	2.779728	2.650616	2.869505	0.106501	0.106501	0.106501	0.171976	0.190544	0.186984	0.106501	0.106501	0.106501
CAMSAP1	ENSG0000	0.156942	6.410943	3.368562	0.003535	0.012761	-2.83967	5.960231	6.111769	6.212339	6.009737	6.216843	6.328116	6.302469	6.263136	6.256309	6.65344	6.590431	6.586086	6.692082	6.612021	6.682936	6.754548	6.735625	6.747502
UBAC1	ENSG0000	-0.02872	5.799201	-0.65639	0.520123	0.634582	-7.12956	5.827977	5.850414	5.819438	5.737065	5.72937	5.646163	5.668911	5.592401	5.725949	5.90895	5.859683	5.908753	5.899924	5.889066	5.88752	5.979187	5.958108	5.975866
ZBTB46	ENSG0000	-0.11886	1.102198	-0.59066	0.562308	0.67257	-6.18025	1.384302	1.508929	1.256574	1.182548	1.006428	1.367251	0.782422	1.001115	0.735084	2.18395	1.851833	2.34226	2.892375	2.686334	2.34809	2.283004	2.33471	2.226823
HELZ2	ENSG0000	0.393605	5.657155	3.445337	0.002988	0.011201	-2.61779	4.569455	4.34846	4.720675	4.660937	4.877535	4.586466	4.321396	4.256466	4.207726	6.389627	6.699096	6.649702	6.955868	6.853517	6.891706	7.275001	7.304526	6.983681
SAMD10	ENSG0000	-0.18893	4.176006	-2.27232	0.035955	0.079867	-4.72211	4.044416	4.058659	4.153091	3.674639	3.683372	3.485165	3.405851	3.535768	3.557782	4.759247	4.818421	4.885889	4.86884	4.693507	4.663983	4.820694	4.822959	4.793504
H19	ENSG0000	0.909206	1.27225	3.412535	0.003211	0.011815	-1.8602	2.080492	1.883052	2.079636	0.52061	1.087782	0.830331	2.26554	1.809233	2.309357	1.76051	1.827525	1.413989	1.755315	1.946191	1.876113	2.679583	2.696248	2.528753
COL5A1	ENSG0000	0.93173	-0.71499	1.416479	0.174212	0.274585	-4.95123	1.791852	1.420874	1.78216	4.525489	4.462952	4.315882	2.412257	2.481727	2.165532	0.106501	0.106501	0.288049	0.106501	0.106501	0.186984	0.183756	0.2791	0.214669
ATXN10	ENSG0000	-0.19378	6.533853	-3.27787	0.00431	0.01495	-3.01447	6.995695	7.022236	6.96367	6.900119	6.887915	6.99144	6.57201	6.627726	6.646641	6.20983	6.129481	6.198812	6.403511	6.369917	6.479275	6.203286	6.12437	6.179793
TUBGCP2	ENSG0000	-0.00959	6.344107	-0.20417	0.840581	0.892131	-7.38254	6.75287	6.740145	6.774821	6.521617	6.687183	6.700353	6.782263	6.542613	6.671815	5.991347	6.014403	6.02633	6.05331	6.056601	5.970866	6.108643	6.084202	6.052569
CYP2E1	ENSG0000	0.515377	0.707629	2.003748	0.060849	0.121196	-4.25565	1.561356	1.591918	1.888281	2.291228	2.299368	2.581827	2.186178	2.451551	2.34318	0.7264	0.848253	0.846782	1.308151	0.986036	1.129895	0.686723	1.206659	0.497646
PNPLA7	ENSG0000	0.214447	0.360475	0.968398	0.346056	0.467238	-5.6358	0.814199	0.8079	0.756332	1.256461	1.006428	1.310092	0.886508	1.231675	1.171446	1.239286	1.152172	1.248523	2.193986	1.622273	2.220059	1.13872	1.289746	1.115245
PAK4	ENSG0000	-0.06238	6.187678	-0.56971	0.576126	0.683743	-7.26081	5.973987	5.994648	6.102711	5.338099	5.593209	5.30954	5.722633	5.492201	5.667077	6.503253	6.575912	6.81606	6.783947	6.825039	6.71891	6.899715	6.844408	6.610656
ZNF337	ENSG0000	-0.26754	4.998092	-2.75421	0.013304	0.036532	-3.91359	5.493352	5.424646	5.452263	4.654117	4.600983	4.71863	4.772276	4.933517	4.84333	5.205778	5.226618	5.049965	4.971246	5.01783	4.981384	5.064871	5.1548	5.239981
CEP85	ENSG0000	-0.30228	5.429686	-2.66848	0.015938	0.042086	-4.18481	5.836608	5.96187	5.812715	4.99368	4.955466	5.135391	5.784566	5.851216	5.609178	6.134034	6.130724	6.135041	4.417596	4.317159	4.302347	5.742772	5.623718	5.671054
TAF4	ENSG0000	0.007949	5.128262	0.141626	0.888995	0.925649	-7.253	4.888652	5.011285	5.079193	4.707799	4.813207	4.668345	4.914487	5.018308	5.072328	5.380501	5.479606	5.592123	5.413307	5.226323	5.33267	5.586184	5.380064	5.515842
RBBP8NL	ENSG0000	0.494109	-0.42848	3.169346	0.005458	0.018087	-2.49402	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.749986	2.877496	2.806521	3.646572	3.659519	3.563664	3.298901	3.404065	2.990979
LAMA5	ENSG0000	0.055788	9.552164	0.647257	0.525876	0.639356	-7.42865	10.43987	10.4601	10.72999	10.26041	10.47812	10.47459	10.41069	10.26087	10.45617	8.374549	8.618916	8.535319	8.776794	8.59091	8.657498	8.913684	8.834235	8.709432
OSBPL2	ENSG0000	-0.0368	5.494638	-0.9065	0.376999	0.49945	-6.90029	5.038315	4.937835	5.022058	5.20443	5.166794	5.080903	5.066264	5.068879	4.860948	5.981118	5.941242	6.004866	6.10661	6.170929	6.102489	5.909826	5.87814	5.983532
ADRM1	ENSG0000	-0.06332	7.800801	-1.1197	0.277995	0.395434	-6.92876	7.768384	7.781185	7.889312	7.434719	7.683722	7.475326	7.710187	7.588995	7.775199	7.912684	7.930028	8.183821	7.86922	7.76434	7.776769	8.057753	8.051016	7.882849
ASS1	ENSG0000	0.828637	7.666399	5.11204	7.97E-05	0.000636	0.886288	7.406963	7.381315	7.339931	8.709301	8.773197	8.774452	8.47564	8.457897	8.492469	7.013909	6.868756	6.967979	7.027265	6.982155	7.047349	7.500764	7.43744	7.485438
EXOSC2	ENSG0000	-0.0662	6.256469	-1.49328	0.153198	0.248547	-6.32719	6.323181	6.367232	6.311046	5.71757	5.876854	5.804577	6.127646	6.15961	6.101877	6.610477	6.555707	6.57229	6.186014	6.214238	6.189309	6.674001	6.543738	6.636412
POMT1	ENSG0000	0.038415	4.870789	0.314537	0.756837	0.829649	-7.05422	5.288426	5.466485	5.494882	5.307999	5.442845	5.481188	5.502797	5.466025	5.657027	4.103779	4.305413	4.238998	4.883573	4.824228	4.712374	4.156784	4.167865	4.157149
UCK1	ENSG0000	0.080593	5.704572	1.831087	0.08419	0.156278	-5.75079	5.220808	5.300601	5.335175	5.05192	5.36339	5.143594	5.333571	5.481041	5.338588	6.147165	6.160221	6.228745	6.143802	6.135585	6.097293	6.273444	6.270882	6.191423
FIBCD1	ENSG0000	0.28562	3.571521	2.705885	0.014733	0.039503	-3.82825	2.90065	3.07157	3.06005	2.887595	3.053471	2.697781	2.607661	3.232814	2.869505	4.509673	4.540416	4.621149	4.01993	3.952144	4.002193	5.044304	4.946531	4.802199
NA	ENSG0000	-0.4846	8.179366	-7.70925	5.02E-07	1.25E-05	6.015995	7.924293	7.932648	8.017622	7.942004	7.91517	7.963479	7.43779	7.364481	7.362008	8.883801	8.883098	8.802111	8.576768	8.450423	8.556976	8.458841	8.45927	8.395344
CHMP2A	ENSG0000	-0.0357	6.985432	-0.65998	0.517868	0.632699	-7.26474	6.75173	6.843256	6.731518	6.863631	6.92159	6.893911	6.657248	6.595316	6.660121	7.080444	6.951927	7.138805	7.489679	7.556845	7.498902	7.144003	7.093817	7.079782
UBE2M	ENSG0000	-0.05601	6.70243	-1.28088	0.216972	0.325848	-6.65184	6.634125	6.802456	6.820217	6.346536	6.377132	6.315464	6.700729	6.562162	6.678454	6.985681	6.988016	7.056701	6.52203	6.617725	6.518684	7.070898	6.993597	6.913188
TRIM28	ENSG0000	-0.11763	9.060726	-3.11171	0.006185	0.019965	-3.59419	9.074676	9.019584	9.09647	8.549878	8.661788	8.597276	8.876084	8.797429	8.840242	9.413681	9.353635	9.444932	9.129868	9.056304	9.090605	9.410044	9.372183	9.359554
METTL26	ENSG0000	-0.28125	5.770395	-2.83289	0.011258	0.03193	-3.87181	6.106569	6.19044	6.156798	5.657452	5.521816	5.484421	5.494585	5.564476	5.566863	5.786747	5.731269	5.964298	5.909553	5.866886	5.918789	5.878217	5.804117	5.756303
YIPF2	ENSG0000	0.35259	5.541299	6.926448	2.10E-06	3.90E-05	4.769301	4.659767	4.852052	4.887776	5.392386	5.450555	5.25	5.157514	5.088621	5.207006	5.786747	5.667648	5.800804	6.379459	6.274453	6.231428	6.171633	6.108723	5.985442
ATG4D	ENSG0000	0.202276	4.271623	2.608597	0.018066	0.046372	-4.0248	4.679091	4.719916	4.681852	4.161901	4.558804	4.293939	5.071794	4.87219	5.165072	4.156676	4.228596	4.083875	3.719554	3.599295	3.734067	4.298124	4.07722	4.21038
EIF2S3	ENSG0000	0.330432	8.56188	9.169989	4.29E-08	1.94E-06	8.546489	8.669004	8.622529	8.589648	8.79046	8.718767	8.757849	8.918137	8.97631	8.969034	8.226225	8.145377	8.093421	8.393121	8.428146	8.427081	8.441496	8.460671	8.558836
TMEM160	ENSG0000	0.712916	1.831707	3.315924	0.003966	0.014004	-2.0335	1.475543	2.039077	2.018628	2.255624	2.660129	2.288255	1.917967	2.220554	2.588518	1.490718	1.699433	2.136592	2.371704	2.824271	2.76998	2.831347	2.233409	2.091498
ZC3H4	ENSG0000	-0.10139	5.273112	-1.33639	0.198561	0.303217	-6.38059	5.549554	5.413282	5.372225	5.161789	4.764552	4.859751	5.310366	5.327507	5.261087	5.371579	5.465891	5.478369	5.401413	5.393017	5.337086	5.390277	5.408227	5.341895
NPAS1	ENSG0000	-0.51487	0.225115	-2.17295	0.043802	0.093436	-3.96588	1.642349	1.591918	1.453818	0.934951	1.307481	1.526279	0.983587	0.824004	1.0941	0.834246	1.112482	0.921995	1.186687	1.282615	1.390007	0.930351	0.924142	0.93723
MAP3K10	ENSG0000	-0.31513	3.509979	-3.4285	0.003101	0.011528	-2.14447	4.036946	4.15733	4.294909	3.714523	3.844198	3.797394	3.602068	3.550079	3.733845	3.599408	3.439177	3.636224	3.213258	3.263212	3.177059	3.43152	3.587665	3.410407
ARHGEF16	ENSG0000	-0.40242	3.957127	-2.08704	0.051822	0.106661	-5.00248	4.416666	4.406929	4.424025	2.955742	3.574682	3.119801	3.072345	2.801791	3.143496	4.553726	4.494836	4.60982	4.589193	4.642195	4.484549	4.619897	4.49993	4.7174
LRRC47	ENSG0000	-0.1381	6.621879	-1.95372	0.06693	0.130485	-5.6472	6.685193	6.73102	6.669617	6.142369	6.243717	6.192364	6.44139	6.333079	6.466555	6.801133	6.807933	6.903328	6.88014	6.859146	6.855996	6.860548	6.832333	6.763173
SESN2	ENSG0000	-0.27935	5.134076	-2.16296	0.044672	0.094864	-4.98268	6.516856	6.276063	6.401937	5.580401	5.53638	5.438487	6.116986	5.9217	6.09693	4.373294	4.517806	4.421787	4.477091	4.442428	4.364231	4.394709	4.247965	4.177341
SMPDL3B	ENSG0000	0.284096	3.160332	3.476786	0.002789	0.010617	-2.30523	0.947665	1.327092	0.898566	1.688986	1.864131	1.757653	1.762502	1.988058	1.314712	5.213289	5.285805	5.329196	5.913148	5.881184	5.822871	5.541021	5.566553	5.362617
ATP5IF1	ENSG0000	0.082767	6.090865	1.204087	0.24461	0.357565	-6.65752	5.832299	5.932317	5.874275	6.252583	6.276619	6.154304	5.958837	5.991525	5.975483	6.103374	6.205726	6.296559	6.064129	6.146148	6.1597	6.295367	6.277259	6.23221
MED18	ENSG0000	-0.4676	4.395243	-6.55244	4.29E-06	6.65E-05	4.237491	4.905158	5.063109	4.892035	4.495279	4.43213	4.337497	4.4712	4.332946	4.420702	4.505601	4.423646	4.692697	4.344933	4.255082	4.279586	4.258497	4.211138	4.058989
THEMIS2	ENSG0000	0.007833	1.534008	0.101253	0.920502	0.947716	-7.01365	0.318509	0.316291	0.421314	0.395333	0.512209	0.3528	0.415731	0.726566	0.256032	4.851979	4.839847	4.92755	5.014278	4.976997	4.897167	4.817667	5.006099	4.75819
CLIP1	ENSG0000	-0.38616	7.869686	-4.21044	0.000557	0.002937	-1.09774	9.016994	8.980171	9.018279	8.153856	8.271343	8.252276	8.473553	8.482822	8.423002	7.282575	7.283821	7.283529	7.247323	7.132487	7.247685	7.040067	7.112482	7.081569
HIP1R	ENSG0000	-0.3859	5.769082	-7.37259	9.20E-07	2.01E-05	5.585362	5.096964	4.988492	5.052811	5.329563	5.34696	5.227023	4.504297	4.540708	4.578115	6.522526	6.515378	6.64901	7.193159	7.040646	7.10739	6.259014	6.239876	6.237028
ZNF317	ENSG0000	-0.01219	5.520249	-0.21534	0.831997	0.885135	-7.27161	5.672757	5.567343	5.56856	5.543969	5.462043	5.599217	5.620676	5.581992	5.584645	5.495847	5.473744	5.427652	5.628298	5.648392	5.706532	5.348947	5.576928	5.437082
PPAN	ENSG0000	-0.11425	1.848318	-0.71944	0.481378	0.600321	-6.12421	2.416107	2.425906	2.681399	2.577385	2.460774	2.064596	2.637802	2.511284	2.616448	2.01088	2.174476	2.30059	1.473091	2.039797	1.923865	1.903678	2.101639	1.739782
EIF3G	ENSG0000	-0.19023	7.307902	-2.37785	0.029062	0.067514	-4.94511	7.412024	7.43006	7.423202	6.866584	6.978695	6.973145	7.163872	7.140453	7.280343	7.452978	7.415534	7.553057	7.588906	7.553873	7.516043	7.383878	7.328672	7.25151
SHFL	ENSG0000	0.065402	4.030743	0.73679	0.471025	0.590773	-6.78139	3.903656	3.888531	4.07284	3.376187	3.546181	3.535905	3.690999	3.646467	3.586306	4.332495	4.616873	4.488257	4.568067	4.390067	4.440084	4.746244	4.637141	4.762652
DNMT1	ENSG0000	0.235502	6.825668	4.103223	0.000704	0.003522	-1.29231	6.282699	6.193765	6.333137	6.152084	6.348532	6.265599	6.725501	6.60563	6.711201	7.389755	7.321298	7.378799	7.073509	6.936486	6.989618	7.461068	7.463956	7.477996
ZNF426	ENSG0000	-0.1812	3.856575	-2.16352	0.044623	0.094803	-4.77747	3.999005	4.136747	4.124423	3.955484	3.643567	3.765857	3.788265	3.913244	4.198517	3.991785	4.242453	3.968865	3.965575	3.903166	4.013272	3.749992	3.890192	3.969186
SLC6A8	ENSG0000	0.185839	4.812123	0.973756	0.343463	0.464395	-6.30065	7.159438	7.168826	7.132437	7.80709	7.84451	7.825613	7.320739	7.26171	7.272685	2.427256	2.632935	2.30059	2.300295	2.288901	2.036756	2.946659	2.813204	2.863849
DKC1	ENSG0000	-0.13459	8.206844	-3.31014	0.004017	0.014144	-3.1141	8.412156	8.416329	8.351843	7.888526	7.983859	7.969837	8.148666	8.170688	8.193107	8.469859	8.439828	8.447557	7.910569	7.896509	7.925663	8.408685	8.358226	8.42309
PLXNA3	ENSG0000	0.040441	5.600895	0.488216	0.631465	0.730682	-7.22301	5.135946	5.10962	5.274496	4.869634	4.982309	5.063714	5.055139	4.928048	5.041756	6.002949	6.123254	5.945268	6.479022	6.418651	6.460172	6.248938	6.145437	6.125399
DUSP9	ENSG0000	0.044527	0.539561	0.213779	0.833194	0.885875	-6.14537	1.286899	1.420874	1.585853	0.934951	1.164793	1.475193	1.074544	1.301009	1.38134	1.239286	1.725977	1.49011	1.018891	1.032323	0.910419	1.809319	1.766644	1.370407
MPP1	ENSG0000	-0.44221	4.044184	-1.8923	0.075136	0.143021	-5.26466	4.433832	4.223893	4.1812	4.759555	4.408574	4.473866	4.411387	4.373746	4.355908	4.692747	4.566354	4.737631	3.221013	3.141796	3.263113	3.799922	3.698248	3.753014
ZNF331	ENSG0000	0.087976	2.757989	0.675051	0.508476	0.623953	-6.78761	1.235614	1.118985	1.30847	1.74141	1.909591	1.757653	1.70672	1.231675	0.925731	5.079966	5.092794	4.828401	4.47385	4.425185	4.554478	4.947942	5.092525	5.21089
ZNF236	ENSG0000	-0.11978	3.692329	-1.44941	0.164929	0.263084	-5.81156	4.302931	4.446492	4.43574	3.988393	3.99943	4.096805	4.31208	4.09991	4.436456	3.536933	3.633975	3.305013	3.303673	3.243672	3.344321	3.455083	3.413359	3.215882
LRP3	ENSG0000	0.012573	0.830218	0.038818	0.969475	0.98028	-5.96598	3.999005	4.12286	4.288462	4.797189	5.079986	4.78306	4.225415	4.09991	4.032233	0.106501	0.259702	0.449284	0.352262	0.416769	0.335616	0.183756	0.2791	0.315289
C12orf65	ENSG0000	-0.52915	3.549875	-6.01107	1.25E-05	0.000152	3.331856	4.702888	4.710662	4.676925	3.977507	4.318753	4.079806	3.941119	4.050434	4.189248	3.420635	3.365114	3.38694	2.738794	2.824271	2.716753	3.123735	2.972579	3.162857
NOL11	ENSG0000	-0.04427	7.041976	-1.58881	0.130029	0.219068	-6.28095	6.66474	6.60931	6.612701	6.137487	6.205497	6.172458	6.57201	6.624348	6.622742	7.8454	7.780554	7.783225	7.379659	7.360496	7.375002	7.752101	7.728319	7.750962
UBE4B	ENSG0000	-0.16262	5.900593	-2.91307	0.009487	0.027895	-3.71453	5.738706	5.809819	5.794633	6.115311	6.076905	6.21978	5.712047	5.567996	5.709835	6.025878	6.099342	5.990742	6.133567	6.070531	6.06038	5.800633	5.814676	5.91904
CASZ1	ENSG0000	-0.04412	1.428235	-0.20886	0.83697	0.888894	-6.25861	1.894617	1.465573	2.274882	2.021307	1.817192	1.919272	1.70672	1.760835	2.087859	1.76051	1.644832	1.653508	2.579013	2.549802	2.365487	1.708352	1.67689	1.504318
HABP4	ENSG0000	-0.37878	4.764358	-3.06846	0.006791	0.021442	-3.21086	4.615318	4.677795	4.504099	4.605448	4.284653	4.531264	4.205428	4.332946	3.979442	5.035466	5.064472	5.172459	5.842013	5.808237	5.803856	4.811595	4.867593	4.646745
SLC35D2	ENSG0000	-0.08553	5.500976	-0.48079	0.636627	0.73521	-7.17447	5.38573	5.444322	5.319453	5.227586	5.094821	5.171943	5.338168	5.289629	5.269907	5.532334	5.294698	5.549768	6.519674	6.489835	6.489229	5.486798	5.292118	5.431488
PRRG1	ENSG0000	0.624857	3.749122	5.273614	5.67E-05	0.000484	1.818436	4.206344	4.256058	4.222364	4.720913	4.594038	4.76722	5.077304	5.07384	5.102264	2.894025	3.146729	3.026968	3.125084	2.938056	3.085545	2.979529	3.297679	3.241681
UBA1	ENSG0000	-0.11519	8.908142	-3.05723	0.006958	0.021814	-3.66993	9.321752	9.295258	9.342868	9.591968	9.581939	9.538467	9.220954	9.176951	9.158453	8.492927	8.426993	8.483693	8.595159	8.504786	8.557922	8.394028	8.385044	8.336328
TXLNGY	ENSG0000	-0.25008	4.572644	-2.60594	0.018167	0.046554	-4.08848	4.871956	4.949684	4.98267	4.701197	4.439897	4.72411	4.6145	4.819999	4.90124	4.73162	4.613322	4.434686	4.583188	4.476309	4.695277	4.156784	4.205799	4.525965
PPIL4	ENSG0000	-0.18733	4.576764	-2.93866	0.008981	0.02666	-3.4843	4.543331	4.490417	4.464617	3.988393	3.923901	4.088331	4.348988	4.569092	4.444269	5.109782	5.118067	5.147212	4.856446	4.879081	4.912042	4.888608	4.83684	4.910709
ULBP2	ENSG0000	0.512463	3.500099	3.697386	0.001718	0.007171	-1.62918	3.114469	2.853456	2.865896	3.376187	3.441741	3.391835	4.079318	3.89093	4.093134	3.93235	3.942027	3.81458	3.532792	3.552417	3.462206	4.078031	3.896833	4.051715
AKAP12	ENSG0000	-0.15157	7.218594	-1.81753	0.086321	0.159176	-5.90457	7.544358	7.534064	7.508183	7.456444	7.489702	7.572708	7.1245	7.078863	7.05907	6.916817	6.901874	6.794956	7.393451	7.363328	7.406857	6.988517	6.976456	7.007373
SYNE1	ENSG0000	-0.59017	3.92743	-3.16831	0.00547	0.018106	-2.75827	5.015692	5.102561	5.116065	3.851999	3.99943	4.146631	4.321396	4.405576	4.243986	3.695491	3.842432	3.48321	3.725018	3.67419	3.951255	3.644629	3.104657	3.215882
ULBP3	ENSG0000	0.252879	2.024087	1.30489	0.20885	0.315747	-5.73002	1.384302	1.420874	1.256574	2.21912	2.03796	2.196611	2.340763	1.809233	1.873138	3.236329	2.900983	3.109727	2.51737	2.714997	2.821313	3.083983	3.225651	2.880366
LATS1	ENSG0000	0.056626	5.463569	1.007542	0.32742	0.44729	-6.76925	5.658224	5.602793	5.56323	5.569568	5.351085	5.605169	5.821145	5.746369	5.800886	5.458414	5.485444	5.354871	5.164598	5.277664	5.354615	5.382106	5.329416	5.425873
EPS8L1	ENSG0000	-0.13675	4.02809	-1.44153	0.167112	0.265895	-6.22687	2.815895	2.49222	2.579475	1.978268	2.366112	1.840725	1.816207	1.809233	1.777424	6.116785	6.370422	6.388101	6.352354	6.348353	6.424306	6.294279	6.37325	6.059839
AAR2	ENSG0000	0.138694	6.271371	2.435471	0.02584	0.061587	-4.72214	6.274782	6.192103	6.215741	6.166534	6.254768	6.304531	6.419869	6.411592	6.37551	6.140615	6.210434	6.104087	6.51495	6.438123	6.42845	6.251183	6.273436	6.254557
RBM39	ENSG0000	0.245183	7.879719	3.806057	0.001353	0.005959	-1.99601	7.994426	7.967546	8.022486	8.330011	8.269165	8.325761	8.3769	8.498126	8.460081	7.564352	7.567748	7.491502	7.456806	7.420463	7.478561	7.533876	7.595821	7.599573
ZNF341	ENSG0000	-0.16474	3.04019	-0.97769	0.341566	0.462577	-6.27656	3.056542	3.248262	3.39613	2.688367	2.660129	2.629332	2.858632	3.232814	2.869505	3.255856	3.313538	3.419749	3.983922	3.745389	3.843644	3.407564	3.215061	3.079476
GGT7	ENSG0000	0.150129	4.693362	1.897418	0.074419	0.14199	-5.40115	4.036946	4.136747	4.095173	4.999073	4.905853	4.960699	4.637058	4.365678	4.45204	4.557665	4.729387	4.706059	5.699414	5.635331	5.61313	4.657623	4.762428	4.602629
ACSS2	ENSG0000	0.0953	4.716265	0.826981	0.419395	0.541024	-6.75801	5.528401	5.538865	5.486458	4.681208	4.782991	4.844735	5.784566	5.746369	5.806958	4.281009	4.265255	4.362268	4.068019	4.028349	4.194539	4.171084	4.258317	4.170642
EDA2R	ENSG0000	-0.14883	0.525044	-0.96279	0.348783	0.470033	-5.54222	6.310846	6.218461	6.235982	5.974582	5.868245	5.968239	6.048517	6.133713	6.094449	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ARHGEF9	ENSG0000	0.452334	2.591859	4.10524	0.000701	0.003512	-0.37539	4.659767	4.847837	4.808898	4.839889	4.789085	4.679672	5.300979	5.188055	5.18386	1.239286	1.112482	1.027938	1.121891	1.2438	1.08859	1.320757	1.2488	1.370407
C1QL1	ENSG0000	0.544892	1.312588	1.219628	0.238809	0.350873	-5.40587	2.568952	2.513665	2.758051	4.254996	4.485643	4.467345	3.388228	2.623806	3.306673	0.7264	0.748206	0.921995	0.46104	0.550009	0.862212	0.974502	0.871168	1.115245
ATP6V1E1	ENSG0000	0.012864	7.171433	0.223275	0.82591	0.880959	-7.4701	7.427104	7.335389	7.326622	7.414682	7.418763	7.395144	7.232141	7.333791	7.306296	6.850132	6.87988	6.770999	7.246848	7.311482	7.248271	6.935057	6.953546	6.887883
ZNF227	ENSG0000	0.576102	4.330362	7.013561	1.79E-06	3.40E-05	5.090683	3.385444	3.222448	3.347346	3.753334	4.1009	4.170914	3.866715	4.157125	4.198517	4.505601	4.857962	4.518865	5.335073	5.350262	5.374084	5.09768	5.054421	5.11644
ZNF428	ENSG0000	-0.17927	4.021336	-2.16719	0.044301	0.094304	-4.74684	4.102823	4.249682	4.345467	4.626508	4.720591	4.460795	4.111894	3.856799	4.093134	3.737768	3.942027	3.942013	4.230502	4.274468	4.139984	3.906321	3.786722	3.498643
ZNF141	ENSG0000	0.048431	3.535617	0.520008	0.609582	0.711487	-6.7794	3.454357	3.382531	3.322321	3.083078	3.31232	3.432575	3.866715	3.40015	3.543305	3.997596	4.200477	3.951019	3.663745	3.436722	3.849837	3.934535	3.986735	4.094818
COX4I1	ENSG0000	-0.09356	8.047438	-2.55949	0.020011	0.050348	-4.6362	8.424017	8.412409	8.366835	8.268262	8.328946	8.20112	8.374665	8.320645	8.385451	7.89489	7.768633	7.846131	7.760347	7.781803	7.744305	7.680605	7.677638	7.720897
EMC8	ENSG0000	-0.2039	5.862119	-3.02867	0.0074	0.022829	-3.49965	6.048317	6.050734	6.111867	5.213737	5.518152	5.341983	5.824425	5.71813	5.748211	6.137986	6.136919	6.299206	5.864467	5.850833	5.906957	6.200965	6.039887	5.972018
GSE1	ENSG0000	-0.28745	6.248129	-3.34489	0.003723	0.013297	-2.84693	6.663528	6.636443	6.644597	6.243524	6.315137	6.297196	6.249772	6.227963	6.21352	6.06791	6.205726	6.053763	6.406915	6.397808	6.351966	5.955977	5.954929	5.934941
GINS2	ENSG0000	-0.1074	4.198513	-0.50879	0.617263	0.718216	-7.03358	4.439509	4.412648	4.281987	3.57705	3.546181	3.632327	4.011872	3.868266	4.042563	5.483477	5.382832	5.515269	2.911671	3.193633	2.544166	5.561067	5.451724	5.494541
CHMP1A	ENSG0000	0.047432	7.269235	0.654451	0.521341	0.635741	-7.29881	7.040275	7.064623	7.058593	6.931482	7.070367	6.95578	7.140378	6.991116	7.03081	7.310272	7.311472	7.44285	7.828557	7.785608	7.723796	7.512978	7.426006	7.3978
SH3BGRL	ENSG0000	0.177492	6.065714	2.730143	0.013998	0.037947	-4.04892	6.115462	6.252341	6.165618	7.147206	7.162441	7.132065	6.560254	6.558627	6.526664	5.22076	5.296913	5.304813	6.169077	6.140876	6.173346	5.198848	5.209172	5.29338
COX7B	ENSG0000	-0.1118	6.74834	-2.94942	0.008776	0.02621	-3.72056	7.458896	7.427238	7.39947	7.317668	7.287166	7.326546	7.396517	7.390561	7.422585	6.304287	6.293754	6.259883	6.014793	6.069144	6.138353	6.084924	6.056295	6.095646
F12	ENSG0000	0.371213	3.239326	2.364619	0.029853	0.068868	-4.33655	3.262728	3.027527	3.217639	2.714828	3.242978	2.784269	3.004565	2.650616	2.981126	3.312899	3.682218	3.853525	3.557503	3.614588	3.571181	4.477583	4.304002	3.906054
PRR7	ENSG0000	-0.00534	3.241006	-0.01957	0.984606	0.990029	-6.70976	3.572735	3.335139	3.845818	4.112999	4.447623	3.818042	2.696258	2.568641	2.588518	2.37464	3.013005	3.210672	3.680716	3.614588	3.754018	3.7814	3.603991	3.241681
NFATC1	ENSG0000	0.285786	1.507738	1.253811	0.226422	0.336772	-5.39821	2.90065	3.027527	2.883112	3.753334	3.855857	3.982555	3.050103	2.916694	3.323715	0.415169	0.799097	0.807652	1.392977	1.528499	1.722572	1.017342	0.637375	1.058313
IDO1	ENSG0000	0.036945	0.827889	0.906208	0.37715	0.499558	-6.77348	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.880929	5.927012	5.941884	5.96602	5.950619	5.920261	5.961472	5.888174	5.972018
CAP1	ENSG0000	-0.11803	8.357996	-3.08353	0.006574	0.020908	-3.61136	8.016433	7.984444	7.918827	7.833743	7.810463	7.769074	7.82598	7.825022	7.835852	8.889477	8.835515	8.877858	8.915575	8.94142	8.931619	8.763514	8.753753	8.80175
PPT1	ENSG0000	0.459546	8.3086	3.111752	0.006184	0.019965	-3.50741	7.932368	7.989714	7.945192	9.542274	9.464289	9.520272	8.739859	8.874794	8.847625	7.756521	7.67339	7.731241	8.134949	8.106466	8.12683	7.750118	7.77187	7.73969
RAB11FIP4	ENSG0000	-0.65458	3.063445	-3.41462	0.003196	0.011776	-2.31908	2.416107	2.068355	2.194417	2.325974	2.078331	2.064596	0.782422	0.253663	0.39151	5.477252	5.436055	5.484585	5.895085	5.927843	5.926135	5.057193	5.077988	5.041309
RLIM	ENSG0000	-0.17045	6.787371	-4.14523	0.000642	0.003272	-1.16634	7.126384	7.088935	7.102433	6.962178	6.958559	6.980033	6.989306	7.040099	7.041151	6.694267	6.822612	6.637201	6.473351	6.529709	6.572108	6.456784	6.422408	6.521324
ABCB7	ENSG0000	-0.08264	4.566148	-1.42187	0.172663	0.272673	-6.03077	5.104131	5.181722	5.097747	5.325276	5.334513	5.291197	5.043928	5.093515	5.155586	4.167027	4.002991	4.140085	4.241981	4.116929	4.237689	4.036981	4.041704	3.779675
TRAF3	ENSG0000	-0.06008	6.200563	-1.0622	0.302601	0.42184	-6.83426	6.502012	6.390602	6.534505	5.878371	6.013255	6.117296	6.362363	6.232407	6.31288	6.228481	6.183153	6.241648	6.091884	6.026902	6.089462	6.305125	6.213518	6.251386
HAUS8	ENSG0000	-0.04774	2.843632	-0.33143	0.744261	0.820091	-6.74455	3.011517	3.169391	2.848472	2.48816	2.633282	2.374422	2.908934	3.122225	2.937508	3.772076	3.805572	3.914651	2.129525	2.398985	2.18129	3.806044	3.651889	3.856822
MRPS25	ENSG0000	-0.10063	5.616865	-2.09446	0.05108	0.1055	-5.25515	5.788487	5.809819	5.722344	5.554996	5.664554	5.686023	5.531176	5.659938	5.757647	5.702088	5.636504	5.565981	5.707717	5.606937	5.591116	5.516966	5.6177	5.526375
SH3BP5	ENSG0000	-0.05113	3.496167	-0.47719	0.639141	0.737201	-6.66921	3.58303	3.428416	3.419917	4.072648	4.071202	3.848471	3.352323	3.40015	3.879258	3.437834	3.26005	3.432666	4.006532	4.1851	4.155068	3.236813	3.413359	3.093712
HACL1	ENSG0000	-0.07221	4.428025	-0.61727	0.545012	0.656347	-6.80164	5.111261	5.134056	5.006431	5.137544	4.939117	4.884435	5.08826	4.955186	4.989319	3.907872	3.947677	3.647349	4.283307	4.24529	4.427716	3.658228	3.903444	3.761956
TBC1D5	ENSG0000	-0.09365	5.998892	-2.41259	0.027077	0.063872	-4.74236	6.208169	6.175382	6.156798	5.794018	5.681033	5.820014	6.124988	6.092752	6.109268	6.167928	6.195078	6.119148	5.899924	5.823124	5.879974	6.098704	6.018732	6.034234
CAPN7	ENSG0000	0.12067	5.559249	2.787387	0.012401	0.034579	-3.91712	5.722499	5.820613	5.734251	5.765822	5.657909	5.716587	5.991301	5.932665	5.920533	5.36934	5.35971	5.409798	5.273015	5.334185	5.326021	5.501961	5.329416	5.472921
RFTN1	ENSG0000	-0.1605	-1.82459	-0.43534	0.668645	0.761639	-5.72638	1.561356	1.631689	1.406977	2.81607	2.926537	3.03415	1.317361	1.301009	1.244857	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RBSN	ENSG0000	0.091134	5.2969	1.148518	0.266231	0.382586	-6.58743	4.91334	4.917869	4.900514	5.650615	5.671168	5.441817	5.015513	4.944392	4.962367	5.524305	5.389075	5.28714	5.671387	5.659495	5.607658	5.428474	5.59133	5.45649
SLC6A6	ENSG0000	-0.24141	7.100549	-2.35845	0.030228	0.069532	-4.9709	7.338732	7.329355	7.336029	6.841286	6.900636	6.919217	7.306736	7.323414	7.197249	7.640143	7.607551	7.624461	6.312078	6.364273	6.326654	7.231317	7.209031	7.205548
KCNC3	ENSG0000	0.503428	2.630206	3.647354	0.001918	0.007832	-1.51305	1.927307	2.332462	2.049454	2.81607	2.835252	2.652511	3.004565	2.481727	2.77354	2.664903	2.841532	2.638296	3.918659	3.86531	3.760608	3.043104	3.046116	2.990979
NAPSA	ENSG0000	0.186226	-1.09653	0.513546	0.614	0.715413	-5.8952	0.106501	0.215206	0.219246	0.52061	0.828511	0.106501	0.106501	0.253663	0.256032	1.239286	1.07167	1.277453	1.755315	1.766169	1.695314	1.099384	1.206659	1.416439
NR1H2	ENSG0000	0.389143	6.067796	7.540302	6.79E-07	1.59E-05	5.881053	5.272612	5.438728	5.538996	6.187942	6.283111	6.068583	5.860019	5.698992	5.713073	5.915104	5.914084	6.011339	6.916413	6.864753	6.879648	6.394164	6.393349	6.287442
LRRC4B	ENSG0000	0.684753	0.427587	3.10204	0.006315	0.020287	-2.55817	0.216396	0.106501	0.106501	0.52061	0.730585	0.461789	0.415731	0.387194	0.629397	2.843296	2.877496	3.035461	3.575762	3.338827	3.578659	3.26375	3.449945	3.107809
PDLIM4	ENSG0000	0.299503	-1.32403	2.469694	0.024089	0.058286	-3.60079	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	1.616737	2.038602	2.209661	2.169719	2.18129	1.970607	2.190809	2.003758
KIF3A	ENSG0000	-0.30942	5.138203	-5.5041	3.51E-05	0.000337	1.987527	5.32262	5.312885	5.396406	5.346585	5.292232	5.421721	5.015513	4.860754	4.84333	5.262384	5.242793	5.227237	5.15451	5.231292	5.171406	4.975361	5.072132	5.09537
MGAT1	ENSG0000	0.595796	6.824836	7.677695	5.31E-07	1.31E-05	6.064463	6.05942	6.068955	6.084222	7.104065	7.246777	7.215172	6.851417	6.817139	6.867543	6.5554	6.656607	6.722514	7.246373	7.185294	7.155687	7.114094	7.127382	7.014873
GFPT2	ENSG0000	-0.65697	5.476487	-2.81037	0.011811	0.033212	-3.88324	6.619196	6.577844	6.612701	4.740363	4.807214	4.809079	5.077304	4.981823	5.072328	5.518254	5.542561	5.674636	5.418375	5.368419	5.473701	5.731559	5.615689	5.575386

TUBG1	ENSG0000	-0.06446	6.51599	-0.4111	0.685999	0.775328	-7.33731	7.045868	6.928552	6.951481	7.133786	7.153021	7.10921	6.987844	6.910219	6.984678	6.421317	6.337447	6.485072	5.527151	5.468605	5.287753	6.313743	6.330965	6.23221
PSME3	ENSG0000	-0.15108	8.42891	-6.04033	1.18E-05	0.000145	2.761498	8.492519	8.509999	8.473333	8.230362	8.269165	8.242284	8.300057	8.327412	8.357279	8.634148	8.618694	8.657097	8.380409	8.417285	8.396732	8.537058	8.465426	8.489197
RPL27	ENSG0000	-0.03267	8.884194	-1.01031	0.326131	0.446086	-7.10372	9.179527	9.158795	9.128854	9.063437	9.048397	9.016437	9.082621	9.119933	9.145332	8.789184	8.689317	8.650892	8.560433	8.620565	8.666518	8.635303	8.653396	8.764138
PSMC3IP	ENSG0000	-0.29328	3.933931	-2.02305	0.058639	0.117667	-5.12173	4.91334	4.639292	4.696533	3.273122	3.602632	3.700636	4.376062	4.421231	4.444269	4.742042	4.696209	4.763423	2.55467	2.307842	2.34809	4.46216	4.588743	4.4056
AOC3	ENSG0000	-0.48557	-0.2473	-1.02424	0.31969	0.439385	-5.38948	2.218961	2.09705	2.049454	2.143217	1.556428	2.132113	2.01302	2.029503	2.239236	0.7264	0.640699	0.54756	0.352262	0.190544	0.335616	0.106501	0.2791	0.659518
ACLY	ENSG0000	-0.09008	8.231913	-1.42153	0.17276	0.272767	-6.57926	8.503401	8.437871	8.45186	8.405562	8.393367	8.449197	8.292379	8.319601	8.251046	8.211924	8.190155	8.226866	7.854962	7.826817	7.84889	8.200809	8.196389	8.203563
VPS25	ENSG0000	-0.2967	6.636538	-4.56812	0.000256	0.001575	-0.22894	7.153406	7.167981	7.140513	6.479798	6.568199	6.538701	6.876914	6.866575	6.857339	6.599055	6.621691	6.642076	6.39668	6.41974	6.431551	6.398222	6.281071	6.292079
AOC2	ENSG0000	-0.81559	1.274804	-3.96769	0.000948	0.004483	-0.61556	2.505419	2.693541	2.492412	2.021307	1.612488	2.5075	2.01302	2.184314	1.826075	1.98771	2.011405	2.004401	1.248697	0.784432	1.129895	1.45147	1.368306	1.222783
NDUFA2	ENSG0000	-0.0929	5.976988	-1.64937	0.116928	0.201991	-6.02949	6.035255	6.043381	5.999931	6.095309	6.145011	6.044692	6.059692	5.994144	6.01011	5.924286	5.916967	5.893651	6.189971	6.191472	6.215927	5.752314	5.830372	5.668679
ANKHD1	ENSG0000	-0.26029	0.056029	-0.96057	0.349871	0.471093	-5.61816	1.430644	1.226787	1.202741	1.182548	0.92021	0.461789	1.70672	1.231675	0.833554	1.239286	1.228418	1.188864	1.054048	0.986036	0.593579	1.177011	0.975239	0.872651
DIAPH1	ENSG0000	-0.19982	7.962004	-2.63063	0.017254	0.044721	-4.52649	7.479708	7.5189	7.510262	6.753075	6.722639	6.790614	7.248105	7.208571	7.212198	8.895325	8.870884	8.840633	8.713953	8.72708	8.751884	8.71615	8.722784	8.759681
NDFIP1	ENSG0000	0.201098	7.1254	4.665758	0.000207	0.001334	-0.04722	7.203477	7.221903	7.093216	7.693598	7.578582	7.652478	7.504741	7.482967	7.492072	6.712048	6.692381	6.689934	7.008345	7.049816	7.041273	6.789724	6.733771	6.814573
UBE2D2	ENSG0000	0.222798	6.893297	4.029034	0.000829	0.004027	-1.44202	6.773244	6.737869	6.824679	6.945516	7.043854	6.922796	6.878492	6.949886	6.916106	6.829918	6.797803	6.881118	6.754862	6.847057	6.818591	7.143398	7.083666	7.15638
EXOC4	ENSG0000	-0.1955	6.332892	-2.06724	0.05385	0.109977	-5.37672	7.131654	7.100496	7.101514	6.728936	6.582305	6.642197	6.689981	6.79778	6.720882	5.821561	5.78275	5.765503	6.03363	6.058	6.014251	5.803695	5.811165	5.758539
ACAP3	ENSG0000	0.109853	5.048704	1.810653	0.087419	0.160727	-5.62422	4.511345	4.383825	4.498524	5.26388	5.399687	5.313181	4.744844	4.728586	4.872576	5.096306	5.176975	5.176304	5.736406	5.743628	5.685908	5.15875	5.149249	5.06679
C1orf159	ENSG0000	0.167696	3.582327	1.681455	0.110455	0.19308	-5.54968	3.454357	3.335139	3.28395	3.425084	3.670226	2.961768	3.586698	3.318907	3.306673	3.838337	3.907656	3.951019	4.283307	4.051009	4.040604	4.267397	4.134537	3.889829
ANO1	ENSG0000	1.285574	1.00974	6.608656	3.85E-06	6.10E-05	4.551676	0.41387	0.316291	0.756332	0.841981	0.625525	0.657796	0.548589	0.824004	0.515351	2.930935	2.958081	3.210672	2.225168	2.642244	2.689384	4.345124	4.2788	4.216898
PPFIA1	ENSG0000	-0.18187	6.703728	-5.3049	5.31E-05	0.000462	1.334521	6.658669	6.559918	6.684422	6.173706	6.096694	6.202215	6.426359	6.522796	6.413815	7.284359	7.25221	7.237342	6.722448	6.757756	6.711277	7.101706	7.00977	7.115977
KREMEN2	ENSG0000	0.681978	1.713644	3.478847	0.002777	0.010579	-1.69467	1.602421	1.226787	2.351095	2.393052	2.460774	2.098749	2.412257	1.945386	1.962896	1.787595	1.875739	2.021603	2.357702	2.269709	2.10048	2.666185	2.429363	2.277588
THOC6	ENSG0000	-0.21402	4.887459	-2.69552	0.015058	0.040215	-3.97252	5.149863	5.116644	5.27123	4.960893	5.034541	5.1639	4.758625	4.866483	4.674259	4.789709	4.739193	4.864598	5.121745	5.082502	5.044848	4.832737	4.829917	4.572451
TRAF7	ENSG0000	0.171328	7.491525	4.190418	0.000582	0.003033	-1.13404	7.030905	7.025039	7.176741	7.577637	7.645607	7.575742	7.166459	7.14988	7.185644	7.46823	7.394486	7.51788	8.077375	7.943441	7.978203	7.716796	7.726456	7.643176
NINJ1	ENSG0000	-0.05169	6.677166	-0.59105	0.562053	0.67232	-7.2449	7.126384	7.195609	7.187174	7.153265	7.183413	7.177716	7.111134	7.019677	7.123745	6.074798	5.952525	6.146848	6.675246	6.543758	6.661969	6.128319	6.027836	5.977786
NPHP4	ENSG0000	0.22288	4.526342	3.184042	0.005286	0.01765	-2.79376	5.060589	4.889442	4.990634	5.854769	5.847955	5.804577	5.178171	5.048863	5.37174	3.60703	3.619889	3.495574	4.337818	4.200384	4.20424	3.691675	3.870083	3.734962
MAP1B	ENSG0000	-0.24055	5.943628	-2.72211	0.014237	0.038464	-3.91906	7.973546	7.97191	8.069301	7.741842	7.713665	8.015249	7.673374	7.71183	7.702956	4.295234	4.117695	3.914651	4.222798	4.372183	4.242405	4.052512	4.065478	3.984547
IL13RA1	ENSG0000	-0.20631	7.849984	-2.653	0.016464	0.043099	-4.44221	8.006906	7.989714	7.942116	7.862134	7.813455	7.917578	7.490358	7.621546	7.532029	7.742748	7.765838	7.781964	8.189325	8.236956	8.242272	7.730539	7.762355	7.789187
WDR44	ENSG0000	-0.0095	4.617963	-0.05535	0.956491	0.971912	-7.04989	4.574623	4.706012	4.569365	5.70112	5.641162	5.680396	4.779054	4.976535	4.956916	4.455814	4.506366	4.428251	4.301707	4.255082	4.338034	4.142342	4.011424	4.236277
ZCCHC9	ENSG0000	-0.55852	5.754565	-3.15033	0.005688	0.018688	-3.22154	6.650126	6.688047	6.71839	5.112883	4.982309	5.00189	5.578564	5.708593	5.673738	5.858752	5.853677	5.960958	5.710474	5.663177	5.69969	5.718637	5.726088	5.796022
TNS4	ENSG0000	0.173663	6.63651	0.882859	0.389294	0.510939	-7.08619	5.313374	5.144404	5.211151	5.996317	6.054313	6.137973	5.30568	5.078784	5.092354	7.999224	7.861347	7.942981	7.418959	7.305016	7.38143	8.201099	8.178104	8.209703
TOP2A	ENSG0000	0.440279	6.799725	1.489915	0.154071	0.24968	-6.38778	7.093455	7.047266	7.018256	7.028287	6.918814	7.040587	7.656911	7.775638	7.668353	7.193615	7.206992	7.126435	4.568067	4.657043	4.580783	7.413749	7.289463	7.450604
STARD3	ENSG0000	0.404528	5.700424	4.532038	0.000276	0.001674	-0.19364	5.539016	5.504468	5.399401	5.608898	5.697326	5.550692	5.888503	5.896721	5.819027	5.376047	5.43203	5.465856	6.157	6.119594	6.178277	5.899843	5.849327	5.745073
RARA	ENSG0000	0.121047	6.070136	0.712304	0.485677	0.603938	-7.1457	6.145295	6.054397	6.20893	5.28169	5.419464	5.223158	5.757368	5.737018	5.978177	5.99716	6.108198	6.156613	6.72654	6.694395	6.660208	6.527026	6.511647	6.492066
KHDRBS3	ENSG0000	-0.38398	2.397273	-2.30546	0.033641	0.075948	-4.2266	2.949211	2.470453	2.700947	1.840866	2.490996	2.581827	2.779728	2.728183	2.471058	3.394446	3.223257	3.464463	2.24051	1.871771	2.257813	2.77004	2.726388	3.093712
CHD1L	ENSG0000	-0.06959	5.934508	-1.64338	0.11817	0.203617	-6.01516	6.736823	6.724138	6.648378	6.33805	6.302412	6.345999	6.54244	6.637811	6.548574	5.491736	5.54629	5.55273	5.132064	5.037822	5.123642	5.482982	5.541343	5.565205
PEX11B	ENSG0000	0.02782	5.369286	0.375687	0.71167	0.79538	-7.19037	5.263039	5.466485	5.353819	5.491368	5.279302	5.538302	5.248226	5.506949	5.375831	5.195703	5.231258	5.325738	5.692458	5.703069	5.740264	5.249139	5.35134	5.280993
FMO5	ENSG0000	-0.12384	-0.17625	-0.4371	0.667393	0.760979	-6.23187	0.106501	0.499412	0.421314	0.52061	0.512209	0.106501	0.269385	0.253663	0.256032	2.204194	2.388995	2.104662	2.717023	3.088026	2.906973	1.903678	2.212266	2.200755
PIAS3	ENSG0000	0.106148	6.426483	3.12945	0.005951	0.019371	-3.35061	5.646	5.722732	5.748412	6.085203	6.104046	6.170452	5.704947	5.75257	5.791729	6.819293	6.847758	6.817907	7.361356	7.284844	7.252953	6.973638	6.988165	6.94298
PRKAB2	ENSG0000	-0.50769	5.308991	-2.76794	0.012923	0.035733	-3.89985	6.441062	6.302485	6.24932	5.156973	5.109506	5.25	5.519082	5.488491	5.474506	4.936085	5.072251	4.979091	5.271149	5.287239	5.208029	4.891489	4.822959	4.806527
CLUHP3	ENSG0000	-0.17595	2.555798	-1.72927	0.101381	0.180812	-5.2627	2.218961	2.37994	2.399755	2.577385	2.264801	2.22781	1.648695	2.220554	2.005764	3.544892	3.414909	3.318995	3.501296	3.329589	3.525482	3.236813	3.385297	3.455199
PDHA1	ENSG0000	-0.37721	7.100967	-7.18192	1.31E-06	2.66E-05	5.125349	8.013106	8.07648	7.993055	7.342274	7.264382	7.332837	7.526049	7.521605	7.588642	6.811067	6.81645	6.784288	6.424653	6.458395	6.445932	6.576208	6.524569	6.527891
MCCC2	ENSG0000	0.011029	7.532178	0.343263	0.735495	0.81358	-7.45412	7.977454	8.01484	8.004899	8.128245	8.049425	8.118217	8.022265	7.992877	8.050678	6.973938	6.949113	7.003043	7.163787	7.161412	7.196356	6.957229	6.956728	7.013002
ZNF304	ENSG0000	-0.10332	4.356144	-1.64307	0.118237	0.203659	-5.83644	3.975752	3.863696	3.96379	3.441022	3.616407	3.700636	3.916741	3.685883	3.890739	5.141621	5.235883	5.093319	5.094564	5.003379	4.99542	4.975361	4.993761	5.239981
ZSCAN5A	ENSG0000	0.167396	2.719609	1.924198	0.070769	0.13635	-4.93857	2.548084	2.76681	2.621113	2.605941	2.57804	2.652511	2.933443	2.848856	2.643847	2.943032	3.146729	3.085394	3.395624	3.109775	3.326666	3.171932	3.215061	3.215882
ZNF132	ENSG0000	-0.03537	2.867248	-0.47591	0.640034	0.738079	-6.85964	2.051128	1.708084	1.54317	1.791994	2.078331	1.669505	1.588238	1.301009	1.727075	4.619268	4.606195	4.618325	4.627624	4.630959	4.712374	4.691084	4.508628	4.646745
SELENOS	ENSG0000	0.263401	6.239197	5.724685	2.23E-05	0.000236	2.279439	6.102997	6.05805	6.015627	6.149661	6.064398	6.212	6.447785	6.263136	6.466555	6.232183	6.206905	6.34006	6.264093	6.229218	6.225486	6.480899	6.52992	6.371636
CHSY1	ENSG0000	0.08394	6.470118	1.911536	0.072474	0.138968	-5.69945	7.044938	6.962086	7.029897	6.266066	6.270099	6.306359	7.100351	7.060236	7.109075	6.504273	6.47291	6.453731	5.562678	5.481175	5.473701	6.565423	6.55952	6.564127
SNRPA1	ENSG0000	-0.38522	5.825275	-4.50346	0.000294	0.001763	-0.31898	5.876913	5.977387	5.93744	4.88719	4.7142	4.903882	5.188389	5.136826	5.197793	6.679883	6.520125	6.695303	6.023688	6.110184	6.094687	6.458728	6.489849	6.48263
LLGL1	ENSG0000	0.134267	5.190247	2.400431	0.027757	0.065141	-4.63052	5.000411	4.885335	5.130553	5.087795	5.230876	5.055043	5.183289	4.955186	5.126746	5.165048	5.203192	5.276432	5.576346	5.554375	5.581843	5.392313	5.412868	5.33891
THAP1	ENSG0000	-0.10282	3.732597	-1.20555	0.244059	0.357003	-6.20732	4.073915	3.904854	3.863273	3.408969	3.602632	3.335661	3.916741	3.786013	3.879258	3.914031	3.907656	4.112253	3.904282	3.958151	3.898452	3.842237	3.896833	3.945834
RHPN2	ENSG0000	-0.42696	4.875889	-5.21071	6.47E-05	0.000536	1.387158	5.118357	4.984658	4.974661	4.827817	4.789085	4.668345	4.215456	4.389749	4.243986	5.293423	5.285805	5.39832	5.066862	5.082502	5.020346	5.039116	5.048468	5.243178
C19orf12	ENSG0000	0.262219	4.4341	3.805625	0.001354	0.005961	-1.52062	4.538049	4.495815	4.394314	4.790984	4.813207	4.844735	4.877071	4.819999	4.674259	4.076585	4.112675	3.982106	4.63635	4.569504	4.681452	4.249541	4.313961	4.18401
FAAP24	ENSG0000	-0.39866	2.349891	-2.72213	0.014237	0.038464	-3.38995	3.313074	3.085957	3.231147	2.577385	2.429905	2.288255	2.446718	2.650616	2.748518	3.123934	2.701418	2.983737	1.916818	1.591687	1.947161	2.744769	2.711397	2.912845
ACTR10	ENSG0000	0.132928	5.830106	1.625675	0.121913	0.208678	-6.04038	5.883176	5.969649	5.856953	6.009737	5.862477	5.926062	6.037254	6.157275	5.975483	5.546278	5.544427	5.518302	6.071654	6.011098	6.088153	5.660702	5.627716	5.668679
GCH1	ENSG0000	-0.37852	4.298601	-3.05445	0.007	0.021884	-3.192	4.702888	4.574447	4.537101	3.875646	3.867423	4.186878	4.536652	4.428995	4.428601	5.185557	5.008809	5.193482	3.593793	3.41941	3.478287	4.623367	4.625193	4.536426
LGALS3	ENSG0000	-0.05558	9.00242	-0.4017	0.692774	0.780199	-7.53208	8.881758	8.894644	8.865066	10.20184	10.20798	10.06317	9.031388	8.975648	8.995862	8.709107	8.643274	8.674194	8.827837	8.909613	8.896147	8.428163	8.44121	8.452385
DNAJB1	ENSG0000	-0.05668	8.195657	-0.58613	0.56528	0.67499	-7.41886	8.067278	7.958779	7.967558	8.021663	7.987838	8.009089	7.659668	7.677207	7.735158	8.644833	8.498984	8.545389	8.272836	8.243119	8.193488	8.693627	8.738813	8.700449
ZSWIM4	ENSG0000	0.341827	2.305171	0.75308	0.461426	0.581807	-6.20611	3.27548	3.298545	3.296854	1.578054	2.03796	2.429135	3.440463	3.083395	3.162566	1.278001	1.945166	1.877881	3.281595	3.152313	3.167173	2.247458	2.295039	2.277588
FBXW9	ENSG0000	-0.48749	3.82131	-4.20935	0.000558	0.002942	-0.59563	3.87042	3.676739	3.854572	3.408969	3.34578	3.292047	2.981245	3.023117	2.892531	4.377757	4.525382	4.527922	4.905394	4.863163	4.742646	4.319678	4.029668	4.170642
RFX1	ENSG0000	-0.10645	3.633877	-1.16941	0.25794	0.373016	-6.19276	3.827767	3.991467	3.906009	3.791129	3.832443	3.643939	3.523527	3.659726	3.543305	3.666603	3.754913	3.809637	3.95166	3.503965	3.679472	3.871719	3.743163	3.797179
BRME1	ENSG0000	-0.50205	1.40538	-3.05632	0.006972	0.021846	-2.75043	1.990546	1.591918	1.954926	0.742604	0.730585	0.909432	1.074544	1.710758	0.833554	3.420635	3.576789	3.658388	1.644349	1.2438	1.550722	3.324713	3.160915	3.215882
DCAF15	ENSG0000	0.12584	4.406778	2.251134	0.03751	0.082701	-4.82916	4.152058	4.080378	4.131643	3.591402	3.759832	3.523386	4.079318	4.080322	4.288067	4.957113	5.011508	5.125498	4.785003	4.830791	4.667494	5.20581	5.23036	5.154286
CC2D1A	ENSG0000	-0.07063	5.359786	-1.13705	0.270866	0.387422	-6.64058	5.237197	5.17164	5.287484	5.015132	4.987618	4.960699	5.099133	4.987092	5.150819	5.64954	5.595705	5.768053	5.833186	5.726134	5.697974	5.697389	5.755617	5.515842
MATN3	ENSG0000	-0.16797	1.332799	-0.90005	0.380326	0.502343	-5.72951	3.27548	3.439663	3.075109	3.766043	3.796595	3.711713	2.858632	3.160038	2.846105	0.781331	0.695454	0.594297	0.982856	0.938214	0.812339	0.930351	0.816175	0.805046
TRIM21	ENSG0000	0.055851	4.154152	1.05186	0.30719	0.42661	-6.47237	3.96004	4.043996	4.019345	4.209199	4.186495	4.000731	4.154215	4.080322	3.968647	4.346223	4.344483	4.418544	4.344933	4.455227	4.452348	4.353508	4.49118	4.422617
SPATA6	ENSG0000	-0.09909	0.260384	-0.33187	0.743935	0.819796	-5.86204	2.526909	2.534795	2.37563	3.162124	3.260629	3.03415	2.376953	2.220554	2.501332	0.269074	0.259702	0.449284	0.869014	0.484926	0.533283	0.183756	0.637375	0.315289
LRRC41	ENSG0000	-0.01442	7.213145	-0.30866	0.761228	0.832732	-7.46471	7.365816	7.395102	7.367716	7.122712	7.076608	7.026239	7.285474	7.173181	7.289046	7.228008	7.156657	7.181998	7.20738	7.152271	7.162545	7.280507	7.281238	7.264939
DHX30	ENSG0000	-0.15027	7.230386	-3.33911	0.00377	0.013446	-2.97812	7.308804	7.216192	7.358513	7.104065	7.102532	6.927555	7.229669	7.062734	7.047576	7.482286	7.412983	7.489185	7.218075	7.201843	7.151932	7.440557	7.328058	7.243552
RAF1	ENSG0000	1.170956	6.143145	24.26857	6.60E-15	2.76E-11	24.26428	5.217507	5.272573	5.137743	6.438717	6.4654	6.537145	6.489704	6.497174	6.537661	5.546278	5.645223	5.509184	6.624986	6.630946	6.628136	6.641849	6.556378	6.610656
PPARG	ENSG0000	-0.78881	4.216353	-5.79216	1.94E-05	0.000212	2.710477	4.820675	4.548709	4.515184	3.661095	3.531716	3.523386	3.916741	4.040332	3.890739	4.930021	4.745694	4.90687	4.74791	4.67539	4.602954	3.928936	4.140146	4.249053
NUP210	ENSG0000	0.381376	7.176918	2.396775	0.027964	0.065553	-4.88037	7.438488	7.444089	7.466675	7.822381	7.820167	7.802486	7.613016	7.60279	7.638017	6.746966	6.743621	6.651775	6.354118	6.214238	6.121813	7.374126	7.2407	7.289883
HSD17B7	ENSG0000	0.488377	3.145204	5.7512	2.11E-05	0.000227	2.854176	2.965042	2.935191	2.720234	3.863871	3.784444	3.700636	3.423261	3.178579	3.254305	2.990428	2.804649	2.957162	3.53901	3.772912	3.608189	3.341669	3.32748	3.410407
ENOSF1	ENSG0000	0.115036	5.032722	1.110294	0.281914	0.399334	-6.54181	5.146396	5.041126	5.116065	5.643745	5.529116	5.688828	5.473848	5.539589	5.584645	4.832603	4.916753	4.612661	4.841432	4.811013	4.903135	4.442647	4.525868	4.780362
LINC00470	ENSG0000	0.042898	-0.25097	0.200188	0.843644	0.894316	-6.41435	0.216396	0.106501	0.323815	0.258133	0.106501	0.3528	0.106501	0.509405	0.256032	2.605258	2.646894	2.592986	2.626498	2.901116	2.821313	2.524879	2.552239	2.649309
EMILIN2	ENSG0000	-0.50422	0.789379	-2.13351	0.047331	0.099297	-4.54269	1.069823	0.736739	0.421314	0.841981	0.106501	0.830331	0.269385	0.509405	0.106501	3.730807	3.695711	3.7997	2.902055	3.131201	3.010124	3.478269	3.431768	3.352387
ARFIP2	ENSG0000	0.042844	6.411896	0.808982	0.429401	0.550888	-7.09363	6.147031	6.177063	6.1372	6.394386	6.4692	6.470234	6.040078	5.973056	6.064348	6.573021	6.44422	6.503555	6.833478	6.755171	6.740739	6.715243	6.664436	6.630321
TRIM5	ENSG0000	0.725252	4.512645	6.796192	2.69E-06	4.72E-05	4.697475	4.088441	4.073175	4.208773	4.797189	4.485643	4.713128	5.141824	5.237527	5.015776	4.082065	4.157244	4.171248	4.831335	4.777434	4.842308	4.570409	4.563921	4.661156
TRIM22	ENSG0000	-0.1015	3.873926	-0.56688	0.578006	0.684789	-6.80167	4.2778	4.412648	4.424025	3.77864	3.722109	3.722706	3.457463	3.335526	3.421943	3.772076	4.087306	3.942013	3.95166	4.116929	4.051393	4.285035	4.538664	4.255399
RRP8	ENSG0000	-0.24962	4.559347	-4.46546	0.000319	0.001885	-0.18518	4.559062	4.484999	4.44736	3.944346	4.301803	4.162865	4.274204	4.273815	4.22597	5.015558	5.061869	5.240153	4.898157	4.882244	4.832959	4.908658	4.874338	4.827974
TIMM10B	ENSG0000	0.414146	5.112658	8.917963	6.43E-08	2.65E-06	8.398505	4.846543	4.992316	4.89628	5.384166	5.279302	5.401341	5.36994	5.408281	5.283036	4.851979	4.866934	4.909182	5.212064	5.12584	5.243746	5.312861	5.190374	5.227124
EFR3A	ENSG0000	-0.14853	7.393356	-2.68985	0.015238	0.040614	-4.34848	7.1149	7.106683	7.12341	6.915886	6.939508	6.935844	7.136425	7.040099	7.009904	7.807446	7.874013	7.78228	7.871686	7.867679	7.904619	7.579706	7.595821	7.638935
PTCD3	ENSG0000	-0.30047	6.560273	-7.76994	4.51E-07	1.15E-05	6.248367	6.93168	6.912497	6.886808	6.493236	6.463496	6.433907	6.671888	6.71605	6.698191	6.762407	6.733845	6.66757	6.314799	6.32181	6.308779	6.342456	6.309971	6.401984
IMMT	ENSG0000	-0.05768	7.187671	-1.72182	0.102752	0.182595	-6.05559	7.55747	7.572887	7.540415	7.455463	7.423667	7.418994	7.476874	7.485762	7.465445	6.899851	6.929975	6.895185	6.980062	6.922729	6.914046	6.858341	6.849552	6.919196
MRPL35	ENSG0000	0.054608	5.80338	0.846458	0.408738	0.53064	-6.9912	6.066775	6.052567	6.097189	5.543969	5.473441	5.404757	6.316513	6.305929	6.30432	5.919702	5.9054	5.884278	5.356354	5.417203	5.503472	5.808277	5.804117	5.785098
ILKAP	ENSG0000	0.019637	5.119249	0.315946	0.755785	0.829003	-7.16704	5.631194	5.546688	5.75544	5.004446	5.194607	5.203674	5.639419	5.650007	5.556087	4.877414	4.887657	4.936647	4.715338	4.638459	4.79173	5.018176	4.92395	4.96205
PER2	ENSG0000	-0.05799	5.499074	-0.44489	0.661861	0.756451	-7.16657	5.468578	5.363957	5.541709	6.149661	5.994917	6.146161	5.771031	5.711779	5.729151	5.56792	5.568461	5.470561	5.190502	5.223832	5.212843	5.191852	5.115482	5.167806
RAMP1	ENSG0000	0.668794	-0.17292	2.662068	0.016154	0.042522	-3.24411	0.216396	0.106501	0.219246	0.395333	0.625525	0.563119	0.415731	0.622068	0.256032	1.940223	2.032826	2.136592	2.225168	2.326537	2.036756	2.229352	2.500854	2.252429
SCLY	ENSG0000	-0.45486	1.333378	-2.63724	0.017017	0.044253	-3.38529	1.861169	1.670392	1.62731	1.457877	1.498102	1.919272	0.886508	1.15884	1.244857	2.427256	2.453955	2.522234	1.935792	2.039797	1.900186	2.334732	2.315011	2.277588
PTPRE	ENSG0000	-0.65595	3.643391	-8.97588	5.85E-08	2.48E-06	8.57255	2.568952	2.61635	2.758051	2.81607	2.970101	3.03415	1.867984	2.147141	2.047395	5.337619	5.276856	5.388409	5.309842	5.144398	5.215244	4.677792	4.776901	4.694231
RAN	ENSG0000	0.245922	9.130497	6.260997	7.59E-06	0.000104	3.186635	9.459612	9.4792	9.41843	9.594197	9.589815	9.581182	9.722084	9.750891	9.74597	8.649224	8.623997	8.658128	8.495977	8.513735	8.579513	8.830358	8.836828	8.87054
PRKAA1	ENSG0000	-0.1588	6.569627	-2.30141	0.033917	0.0764	-4.99792	6.759694	6.753726	6.786305	6.97455	6.953141	6.995978	6.721988	6.776637	6.763659	6.451268	6.590431	6.559097	6.28459	6.212983	6.246764	6.20676	6.27216	6.230601
CARD6	ENSG0000	0.235705	2.894973	1.023098	0.320215	0.439894	-6.05719	3.085796	3.310847	3.176339	3.80351	3.517104	3.608819	3.904396	4.109604	3.844255	2.510897	2.485369	2.724859	2.949505	3.375198	2.846311	1.948641	2.212266	2.442395
RAP1GAP2	ENSG0000	-0.71618	5.21881	-4.81966	0.000149	0.001033	0.512	6.134836	6.026697	6.155027	4.753186	5.029402	4.903882	5.093706	5.127313	5.126746	5.376047	5.258789	5.315313	5.22369	5.250999	5.262439	4.77149	4.897703	4.969789
CLUH	ENSG0000	0.015915	7.227168	0.319735	0.75296	0.827054	-7.43977	7.822066	7.829546	7.929742	7.680232	7.767127	7.671041	7.80538	7.712626	7.795956	6.630249	6.651423	6.797455	6.59844	6.570472	6.560825	6.879539	6.876682	6.702926
INPP5K	ENSG0000	0.481703	3.986683	4.841515	0.000142	0.000999	0.798338	2.996191	3.155816	3.029452	4.384261	4.368438	4.162865	3.904396	3.988732	3.783962	3.926269	3.824119	3.982106	5.158554	5.128506	5.257788	4.175819	4.232297	4.108904
MYBBP1A	ENSG0000	-0.19033	7.235041	-3.37166	0.003511	0.0127	-2.89745	7.616295	7.630457	7.737267	7.35179	7.45179	7.401999	7.464314	7.280071	7.284701	7.161622	7.099436	7.190579	6.928304	6.804348	6.754009	7.096096	7.07271	7.086027
RPA1	ENSG0000	0.181656	6.477031	3.635636	0.001968	0.007998	-2.25642	6.674401	6.667866	6.700292	6.665914	6.528683	6.62765	6.797363	6.896284	6.757402	6.354963	6.223301	6.326282	6.019248	5.996579	6.102489	6.569027	6.490947	6.493409
UBE2G1	ENSG0000	0.018261	6.238508	0.50498	0.619881	0.720337	-7.22271	7.104217	7.134633	7.169743	6.955259	6.907654	6.910831	7.183162	7.213075	7.155026	5.522291	5.491258	5.516787	5.368624	5.250999	5.361134	5.496293	5.530707	5.437082
EEFSEC	ENSG0000	-0.20059	4.267361	-3.00087	0.007857	0.023974	-3.23728	4.363907	4.360345	4.520694	4.367681	4.485643	4.218286	4.367093	4.221128	4.388669	4.497421	4.443776	4.530928	4.126992	4.376675	4.247105	4.298124	4.232297	4.129778
TBC1D14	ENSG0000	0.355512	6.523568	7.22141	1.21E-06	2.49E-05	5.241514	6.460736	6.473645	6.359515	6.830739	6.736896	6.754917	6.646169	6.619267	6.619295	6.145857	6.19389	6.187425	6.56836	6.584132	6.559881	6.69064	6.698095	6.588208
TMEM128	ENSG0000	-0.41033	4.765708	-4.68989	0.000196	0.001283	0.296795	5.282121	5.227863	5.190556	4.605448	4.470555	4.506036	4.751751	4.696781	4.570996	4.945135	4.928229	4.994418	4.745223	4.814328	4.972896	4.6711	4.773297	4.617485
COQ3	ENSG0000	0.0912	2.877546	0.9204	0.369893	0.49173	-6.22557	3.397161	3.472886	3.204003	3.041869	3.278066	3.335661	3.315502	3.564249	3.389938	2.650221	2.85362	3.00983	2.842976	2.642244	2.481722	2.924322	2.881762	3.021085
PNISR	ENSG0000	-0.10172	5.130886	-0.6555	0.520682	0.635047	-6.9197	6.070438	6.106487	6.146141	5.687824	5.624218	5.778475	6.15656	6.058125	6.183495	4.417313	4.483212	4.15185	4.656506	4.732581	4.769032	4.005409	4.05364	4.170642
POPDC3	ENSG0000	0.725328	1.201324	1.686644	0.109438	0.191867	-4.73439	4.029438	3.7953	3.955676	4.525489	4.537243	4.372816	4.695544	4.59002	4.497806	0.483018	0.330605	0.639567	0.294634	0.106501	0.263213	0.837776	0.572487	0.93723
SEC61G	ENSG0000	0.121157	5.397292	1.626178	0.121805	0.208547	-6.00767	5.275788	5.325066	5.126945	5.346585	5.190008	5.187896	5.136557	5.319175	5.112107	5.630966	5.71148	5.565981	5.315286	5.474904	5.495593	5.928183	5.814676	5.832557
LANCL2	ENSG0000	0.523506	4.324207	9.159993	4.36E-08	1.96E-06	8.854704	3.86199	3.896716	3.755225	4.161901	3.988879	4.088331	4.321396	4.290959	4.475104	4.399867	4.34876	4.398932	4.895737	4.853528	4.836082	4.841704	4.847164	4.926702
FIGNL1	ENSG0000	-0.06518	4.04349	-0.72144	0.48018	0.599142	-6.88498	3.58303	3.58855	3.764544	2.887595	2.948483	3.216292	3.66196	3.477062	3.681923	5.419984	5.374467	5.351474	3.865227	3.958151	3.968435	5.351042	5.176796	5.380146
GRSF1	ENSG0000	0.020235	7.390609	0.597805	0.557637	0.667936	-7.34915	7.368051	7.365186	7.291594	7.07116	7.137581	7.144381	7.26992	7.365493	7.287961	7.59821	7.503511	7.57179	7.403282	7.473325	7.467526	7.607573	7.620606	7.644386
ANKRD17	ENSG0000	-0.02969	7.374664	-0.53979	0.596152	0.69948	-7.37939	6.941715	7.040818	7.076476	7.115282	7.107417	7.332837	7.100351	7.210825	7.141874	7.705953	7.756211	7.568867	7.740926	7.743623	7.775549	7.518581	7.48339	7.547518
UTP3	ENSG0000	-0.11825	6.34107	-2.96611	0.008467	0.025485	-3.68802	6.304638	6.282324	6.124589	5.918767	5.899563	5.897242	6.153955	6.092752	6.143263	6.765816	6.701606	6.725797	6.575183	6.565562	6.49418	6.621167	6.585446	6.622978
ITGB4	ENSG0000	-0.09943	7.213247	-0.26932	0.790834	0.854357	-7.51628	7.887386	7.654789	7.873248	5.097883	5.248674	5.033133	6.184906	6.136086	6.131214	7.640607	7.72694	7.638118	8.082705	7.987058	7.968985	8.588793	8.658534	8.562039
WBP2	ENSG0000	-0.31549	7.4237	-4.91927	0.00012	0.000873	0.455182	7.542381	7.473797	7.504712	7.073718	6.990643	6.969689	7.111134	7.04516	7.081787	7.772285	7.674242	7.808532	7.775238	7.642803	7.714492	7.571195	7.552315	7.481383
H3-3B	ENSG0000	-0.16408	8.781631	-1.69561	0.107699	0.189472	-6.25276	8.764535	8.749966	8.707284	7.465237	7.533919	7.442457	8.365125	8.338275	8.323789	9.569201	9.507036	9.496594	9.037922	9.116459	9.077964	9.531045	9.532299	9.579714
UNK	ENSG0000	-0.06782	5.10046	-0.8016	0.43355	0.554811	-6.89654	5.067938	5.063109	5.134153	4.944216	4.971631	4.951383	5.243334	5.228657	5.325957	5.213289	5.258789	5.204822	5.336859	5.289623	5.386919	5.018176	5.006099	4.938581
TRIM47	ENSG0000	-0.30673	6.515075	-2.39286	0.028188	0.065927	-4.83661	6.614185	6.706787	6.817981	6.274985	6.640761	6.33171	5.964794	5.686091	5.903632	6.668089	6.575912	6.711956	6.849825	6.783356	6.741572	6.802793	6.835794	6.661715
ZRANB2	ENSG0000	-0.03577	6.336652	-0.49021	0.630083	0.729556	-7.31034	6.126062	6.192103	6.017577	5.90734	5.684306	6.029279	5.976635	6.060626	6.076967	6.583684	6.660913	6.648318	6.810532	6.880653	6.852916	6.546352	6.66638	6.679522
EIF5A	ENSG0000	-0.09728	9.220749	-2.41985	0.026679	0.063204	-4.98221	9.913	9.855059	9.858376	9.476863	9.525796	9.484189	9.719223	9.708856	9.697559	8.956646	8.888433	8.949123	8.403381	8.448024	8.421114	8.9151	8.913333	8.887492
KDM6B	ENSG0000	-0.03496	6.178887	-0.37231	0.714136	0.79726	-7.32681	6.263624	6.141345	6.501443	5.866618	6.156841	6.087841	6.346481	6.104921	6.284872	6.077544	6.096801	6.145868	6.439685	6.407719	6.377914	6.145318	6.092904	6.052569
XAF1	ENSG0000	0.508299	0.978233	5.68159	2.43E-05	0.000251	2.418871	0.106501	0.215206	0.421314	0.106501	0.106501	0.106501	0.269385	0.253663	0.256032	5.170202	5.267851	5.174383	4.656506	4.853528	4.891173	5.566486	5.722354	5.819768
DLG4	ENSG0000	-0.00402	2.369653	-0.03262	0.974344	0.982972	-6.43189	3.643304	3.829904	3.792147	3.255206	3.378481	3.419122	3.788265	3.578282	3.668646	1.865926	1.752042	1.759838	1.524131	1.970168	1.550722	1.759719	2.146913	1.844513
RIDA	ENSG0000	-0.24128	4.905734	-2.83803	0.011136	0.031665	-3.75168	5.015692	4.953612	5.126945	4.384261	4.030628	4.256608	4.702691	4.949799	4.789145	5.422146	5.399419	5.363329	5.045184	5.149657	5.138897	5.054624	5.203826	5.230349
VPS13B	ENSG0000	0.089308	5.601714	1.510818	0.148703	0.243054	-6.18799	5.139438	5.278849	5.22472	5.472108	5.586227	5.852905	5.36994	5.298133	5.256657	5.718015	5.877552	5.570371	6.087648	6.112879	6.144664	5.809801	5.777374	5.81333
MATN2	ENSG0000	0.121053	0.982456	0.490812	0.629665	0.729333	-5.97016	1.235614	1.374745	1.499186	2.548252	2.85862	3.119801	1.459147	1.001115	1.244857	0.669294	0.799097	1.158083	2.977243	2.671787	2.661487	1.017342	1.118494	1.115245
REEP2	ENSG0000	1.232232	-0.06909	3.809413	0.001343	0.005925	-0.86281	1.519087	1.327092	1.453818	1.457877	2.078331	1.956998	1.816207	2.220554	2.047395	0.190076	0.259702	0.34382	0.745413	0.938214	0.812339	0.686723	0.871168	0.497646
PCBD2	ENSG0000	0.029162	4.045338	0.37794	0.710026	0.794228	-6.90964	4.595114	4.517206	4.429894	4.122913	3.796595	4.079806	4.437325	4.482206	4.475104	4.037631	3.970058	3.853525	3.840269	3.832986	3.843644	4.103106	4.029668	3.976887
SDF2	ENSG0000	0.239275	5.955239	4.423189	0.00035	0.002027	-0.46916	5.300954	5.363957	5.214556	6.171319	5.965622	6.092086	5.715585	5.740142	5.673738	6.045645	6.052918	6.086826	6.566078	6.580242	6.546597	6.177547	6.185314	6.161326
FLOT2	ENSG0000	1.465907	5.756919	21.65015	4.57E-14	8.13E-11	22.34773	5.011887	4.95753	4.933939	6.573146	6.649161	6.473492	6.668242	6.546187	6.580828	4.678347	4.672521	4.530928	6.084464	6.053799	6.191749	5.912665	5.864653	5.811178
ERAL1	ENSG0000	-0.19004	6.414837	-5.2515	5.94E-05	0.000502	1.273557	6.976299	6.979529	6.975757	6.406612	6.486179	6.448879	6.742939	6.722383	6.698191	6.327542	6.326647	6.311497	5.968325	5.858882	5.963744	6.23085	6.19208	6.173105
PRMT7	ENSG0000	-0.00035	5.540898	-0.00495	0.996105	0.997155	-7.30377	5.970071	5.850414	5.916691	5.400559	5.557954	5.331249	5.949855	5.755661	5.842866	5.36934	5.372368	5.492317	5.379059	5.308554	5.40175	5.507606	5.485161	5.423057
NIP7	ENSG0000	-0.37916	6.597285	-4.28292	0.000475	0.00259	-0.88607	6.519538	6.566346	6.562826	5.316663	5.36339	5.448454	5.888503	6.017505	5.934468	7.513547	7.442795	7.511426	7.037732	7.090035	7.050714	7.236425	7.300775	7.26651
TERF2	ENSG0000	-0.02253	5.39757	-0.44862	0.659221	0.754523	-7.20251	5.132445	5.195056	5.241504	5.147291	4.917027	5.171943	5.300979	5.276779	5.112107	5.841085	5.752405	5.81197	5.637019	5.462279	5.574382	5.710502	5.716735	5.796022

VPS4A	ENSG0000	-0.0906	5.620438	-1.80743	0.087939	0.161365	-5.7491	5.862195	5.747832	5.869964	5.452586	5.49969	5.404757	5.922569	5.733887	5.738712	5.691372	5.716452	5.77187	5.461566	5.54243	5.505435	5.548343	5.599495	5.642288
MTSS2	ENSG0000	0.587573	6.856632	5.390156	4.44E-05	0.000405	1.504254	5.960231	5.83559	6.027288	6.030952	6.056841	5.979739	6.422036	6.250046	6.359073	7.03596	7.10766	7.115462	8.147211	8.027969	7.997161	7.84161	7.775478	7.716879
ANKEF1	ENSG0000	-0.32917	5.065178	-2.83631	0.011177	0.031755	-3.75014	5.434871	5.303682	5.22472	5.015132	4.819175	5.006395	4.622059	4.184903	4.599264	5.307527	5.301333	5.260219	5.293386	5.324918	5.371934	5.329955	5.274377	5.311765
PCED1A	ENSG0000	-0.18329	4.95977	-3.0695	0.006776	0.021404	-3.21262	4.679091	4.687262	4.777019	5.404628	5.403664	5.373711	4.83866	4.576102	4.674259	4.992463	5.108011	5.016036	5.47622	5.470708	5.405959	4.700972	4.815969	4.744721
SNAP25	ENSG0000	1.448398	0.653193	4.095566	0.000716	0.003571	-0.30348	4.95357	4.961437	4.763138	6.318771	6.156841	6.248587	6.33962	6.32478	6.407834	0.106501	0.185134	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.214669
BTBD3	ENSG0000	-0.47508	6.61007	-12.0607	6.66E-10	8.11E-08	12.91748	7.084425	6.971803	7.008484	6.369619	6.163893	6.311829	6.516313	6.51187	6.562999	7.096102	7.056941	6.976273	6.265031	6.322974	6.272352	6.535341	6.564743	6.670052
PCNA	ENSG0000	0.035991	8.147656	0.100051	0.921442	0.94841	-7.56514	8.366325	8.312715	8.30111	9.406824	9.330974	9.365154	8.389688	8.443116	8.413083	8.151634	8.110228	8.195473	6.539191	6.566546	6.510888	8.098225	8.124295	8.147091
NXT1	ENSG0000	-0.0297	5.381296	-0.46729	0.646065	0.743468	-7.20828	5.282121	5.303682	5.328907	4.694564	4.819175	4.745826	4.944941	5.063901	5.107194	5.853955	5.785907	5.986368	5.52402	5.560311	5.579982	6.064643	6.033874	5.849434
POLR3F	ENSG0000	-0.31977	5.273186	-6.48184	4.92E-06	7.35E-05	3.916405	5.414839	5.474709	5.408347	4.733909	4.447623	4.735009	5.347317	5.178875	5.107194	5.97524	5.877552	5.949769	5.060393	5.087991	5.13383	5.513229	5.576928	5.607985
RIN2	ENSG0000	-0.13278	5.67507	-1.91424	0.072108	0.138395	-5.61531	5.282121	5.291319	5.176661	4.863733	5.185395	4.946703	4.659269	4.922558	4.813478	6.405012	6.360926	6.377284	6.402659	6.416471	6.405507	6.32551	6.479932	6.420456
PTPRA	ENSG0000	0.253792	6.314565	6.107329	1.03E-05	0.000131	3.072557	5.864307	5.906205	5.856953	6.540232	6.397219	6.544908	6.184906	6.278258	6.233947	6.183306	6.219803	6.275203	6.746826	6.829142	6.753184	6.39518	6.392174	6.401984
DAP3	ENSG0000	-0.19048	7.820846	-5.06669	8.77E-05	0.000685	0.753595	8.167313	8.167229	8.088445	7.850994	7.859791	7.783582	7.831696	7.884818	7.846209	7.870556	7.795904	7.849145	7.538982	7.559317	7.581708	7.726107	7.701542	7.791373
KHDC4	ENSG0000	-0.05413	6.012724	-0.93545	0.362303	0.484084	-6.92695	5.729467	5.690142	5.771708	6.062202	6.086834	6.142073	5.578564	5.755661	5.677057	6.165349	6.330977	6.005947	6.426331	6.430582	6.44491	5.951842	6.188024	6.211145
NES	ENSG0000	-0.26548	4.684657	-2.54379	0.020673	0.051648	-4.29126	5.585841	5.517795	5.477985	4.082842	4.301803	4.138446	4.812472	5.013152	4.745547	4.966032	4.942447	4.902234	4.01993	3.921728	3.974116	5.112574	4.914163	4.99276
ARHGEF11	ENSG0000	0.038689	5.407431	0.626849	0.538861	0.650754	-6.92522	6.935703	6.904402	6.88894	6.659117	6.809142	6.756255	7.016804	7.019677	7.009904	4.187508	4.283241	4.083875	3.979357	3.852467	3.734067	4.175819	4.005291	4.007286
RAB25	ENSG0000	0.089693	1.696413	2.50477	0.02241	0.055071	-4.53946	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	7.508468	7.442795	7.491888	7.952804	7.906251	7.902759	7.596579	7.57164	7.512844
FCRL2	ENSG0000	-0.09926	-1.07124	-0.79103	0.439531	0.560602	-6.05987	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.494552	2.66072	2.396013	2.529911	2.250257	2.416453	2.283004	2.190809	2.610232
DCAF8	ENSG0000	-0.59532	5.429606	-5.66775	2.50E-05	0.000256	2.335101	6.597778	6.590513	6.400443	6.067345	6.010649	5.99342	5.774426	5.727605	5.81602	4.896201	4.976009	4.793777	5.119672	5.032138	5.047545	4.496632	4.482376	4.602629
IGHMBP2	ENSG0000	-0.16372	4.496168	-3.43972	0.003025	0.01131	-2.4211	4.445163	4.564207	4.424025	3.753334	3.945887	3.954853	4.330652	4.332946	4.252911	5.077225	5.133021	5.066635	4.633447	4.707838	4.677975	4.908658	4.943327	4.988957
ACY3	ENSG0000	-0.61963	0.355183	-2.3236	0.032435	0.073679	-3.87	0.587539	0.582935	0.598525	0.742604	1.437317	0.909432	0.106501	0.253663	0.39151	2.392392	2.267764	2.286428	2.717023	2.686334	2.481722	2.013561	2.37332	1.844513
ALDH3B2	ENSG0000	-0.13672	0.111674	-1.40472	0.177628	0.278691	-5.94469	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	4.623032	4.340194	4.601264	4.312636	4.190213	4.324754	4.398766	4.304002	4.286716
TESMIN	ENSG0000	-0.28195	2.857226	-2.30746	0.033507	0.075752	-4.37899	3.071243	2.886707	2.5366	2.661411	2.660129	2.132113	2.412257	2.290412	2.376228	3.751589	3.992097	3.977706	3.165832	3.152313	2.930541	3.830273	3.728346	3.650813
MMACHC	ENSG0000	-0.01948	3.288954	-0.22165	0.827152	0.881806	-6.86613	2.965042	2.982098	3.075109	2.81607	2.811499	2.652511	2.858632	2.702788	2.77354	3.920163	4.035189	3.824415	4.211164	4.307781	4.155068	4.005409	3.870083	4.087723
DPH2	ENSG0000	-0.31656	6.193361	-5.54973	3.19E-05	0.000313	1.924209	6.227986	6.205343	6.388437	6.05186	6.11379	6.006972	5.81126	5.810187	5.851705	6.453384	6.348167	6.420884	6.566839	6.471053	6.526438	6.261243	6.175789	6.157942
TOE1	ENSG0000	-0.01504	4.469272	-0.28234	0.781001	0.846817	-7.05197	4.820675	4.937835	5.006431	4.316764	4.56592	4.393601	4.889651	4.992342	4.940438	4.485065	4.427694	4.52189	4.080861	4.045377	3.951255	4.485232	4.432969	4.370952
NASP	ENSG0000	-0.07653	6.815031	-1.66255	0.11423	0.19805	-6.15165	6.528888	6.558629	6.558814	5.982771	6.00018	6.121455	6.380303	6.471088	6.3632	7.541163	7.548822	7.624109	6.874005	6.865552	6.881161	7.505474	7.510707	7.609515
MUTYH	ENSG0000	-0.06034	3.345572	-0.65851	0.51879	0.633662	-6.68216	3.27548	3.323044	3.347346	2.864145	3.073582	2.845893	2.779728	2.825515	2.981126	4.109157	4.061483	3.968865	3.794228	3.568213	3.644271	4.213151	4.173346	4.044405
CTNNBL1	ENSG0000	0.124878	6.039193	1.557692	0.137228	0.228441	-6.21407	5.901801	5.910253	5.856953	5.456512	5.266255	5.341983	6.084526	6.121786	6.123935	6.292517	6.307002	6.432988	6.229912	6.258721	6.318861	6.447024	6.354073	6.419044
LPIN3	ENSG0000	0.014184	4.029536	0.136112	0.893288	0.928626	-6.97515	3.919992	3.812706	4.288462	4.161901	4.091068	3.991672	3.761137	3.633086	3.681923	4.076585	4.157244	3.92383	4.621778	4.619633	4.653399	4.088113	4.348284	4.329449
ZSWIM3	ENSG0000	0.097798	2.55673	1.022261	0.320599	0.440294	-6.19912	2.461454	2.332462	2.326135	1.888135	1.953662	2.346268	2.340763	2.220554	2.530983	3.265521	3.339557	3.426222	3.004458	3.453829	3.263113	3.39949	3.520448	3.509302
RBM38	ENSG0000	0.014535	5.652821	0.138755	0.89123	0.927502	-7.3547	5.585841	5.582643	5.638658	4.87551	4.807214	4.803913	5.418495	5.183472	5.313214	5.915104	6.041075	6.160501	6.133567	6.073301	6.0375	6.330827	6.291189	6.120193
VSTM2L	ENSG0000	0.280908	2.158525	2.314348	0.033045	0.074886	-4.60776	0.216396	0.316291	0.598525	1.022291	1.498102	0.984419	0.415731	0.106501	0.629397	5.038288	5.043519	5.087205	6.710103	6.716712	6.663728	5.382106	5.453977	5.187851
OSER1	ENSG0000	-0.07818	5.610523	-0.91129	0.374541	0.496981	-6.89183	5.819295	5.79457	5.785507	5.396478	5.338674	5.481188	5.771031	5.902309	5.940005	5.59692	5.72963	5.631871	5.662871	5.67963	5.627622	5.48107	5.456227	5.442654
SERINC3	ENSG0000	0.260094	7.69067	3.794984	0.001386	0.006074	-2.00646	7.474879	7.576712	7.555259	8.179019	8.075837	8.156215	8.066565	8.022687	8.051957	7.401309	7.395003	7.430426	7.630988	7.621197	7.647184	7.402683	7.407523	7.46915
PPP1R3D	ENSG0000	0.289835	3.685899	2.351992	0.030626	0.070289	-4.36527	3.288121	3.494617	3.522358	4.082842	4.040879	4.186878	4.101117	4.109604	4.032233	3.695491	3.754913	3.829308	3.830164	3.599295	3.600863	3.70484	3.815048	3.698167
AP3B1	ENSG0000	-0.08051	6.591074	-2.33399	0.031761	0.072427	-4.93952	6.942715	6.898301	6.894257	6.889995	6.873648	6.853225	6.828732	6.860846	6.747963	6.396241	6.332058	6.330601	6.393252	6.391163	6.407608	6.217134	6.344388	6.319593
ZBED3	ENSG0000	0.33341	2.356287	1.48014	0.156636	0.253059	-5.25655	4.044416	3.920993	4.102541	4.839889	4.860273	4.772519	4.496094	4.474723	4.520155	1.028404	1.112482	1.360915	1.711947	1.681564	1.51998	1.099384	1.2488	0.497646
PATJ	ENSG0000	-0.21822	5.430677	-2.74385	0.013599	0.03719	-4.01746	5.379837	5.381559	5.231457	5.031013	4.992907	5.019826	4.857993	4.860754	4.73921	5.855556	5.949713	5.714848	5.96602	5.989265	6.026606	5.811323	5.701643	5.886702
FBXO44	ENSG0000	-0.24598	3.789588	-2.20257	0.041312	0.089258	-4.61317	4.538049	4.383825	4.43574	4.254996	4.400635	4.386706	4.205428	3.798055	4.021828	3.303547	3.414909	3.495574	3.988472	3.637228	3.658454	3.341669	3.422593	3.487904
CPLANE2	ENSG0000	-0.13466	1.751681	-1.18432	0.252142	0.366505	-5.67595	2.137484	2.283367	2.166567	2.425456	2.264801	2.374422	2.01302	1.85606	1.962896	1.964162	2.053933	2.183199	2.096181	2.21055	2.330481	2.247458	1.930959	2.033602
CASP9	ENSG0000	0.684971	4.127233	5.380201	4.54E-05	0.000411	1.985589	4.399293	4.318312	4.326715	5.195063	5.217382	5.324049	5.324334	5.306587	5.346947	3.376719	3.269103	3.195594	3.735884	3.903166	3.615478	3.52355	3.449945	3.215882
DCTN4	ENSG0000	-0.23564	6.975341	-2.5615	0.019928	0.050191	-4.54646	7.706165	7.606332	7.594981	6.945516	6.909054	6.990303	7.37095	7.499653	7.421596	6.746966	6.75091	6.760791	6.69904	6.643116	6.646042	6.464545	6.466602	6.555153
ZMYM5	ENSG0000	0.217034	3.713995	3.118268	0.006097	0.01976	-2.89216	3.397161	3.505362	3.359697	3.647423	3.602632	3.59692	3.617275	3.521314	3.82044	3.938405	3.854512	3.872611	4.179675	4.412116	4.297823	4.005409	4.065478	4.170642
USPL1	ENSG0000	-0.13512	4.944462	-2.29724	0.034202	0.076897	-4.78515	5.139438	4.984658	5.022058	4.790984	4.681813	4.735009	5.009762	4.949799	4.837409	5.162464	5.097884	5.168603	5.117597	5.152279	4.972896	4.956223	4.984438	5.098903
XPO4	ENSG0000	-0.09961	5.89614	-1.62072	0.122977	0.209995	-6.09292	5.960231	5.973524	5.899874	5.601826	5.488499	5.783733	5.907184	5.75257	5.690258	6.240783	6.351367	6.106104	5.771154	5.824769	5.694537	6.190474	6.087109	6.259301
POMP	ENSG0000	0.392212	7.023264	3.785174	0.001417	0.006168	-1.97699	7.34025	7.290284	7.187174	7.229802	7.103755	7.097645	7.976562	8.038633	8.06848	6.663527	6.642742	6.687915	6.372513	6.445625	6.45916	6.643559	6.655652	6.735068
CDK8	ENSG0000	1.000741	4.016349	13.26834	1.47E-10	2.58E-08	14.4514	3.613482	3.976101	3.81026	4.384261	4.267295	4.57438	4.825625	4.814082	4.776822	3.403229	3.250939	3.426222	4.147483	3.981932	4.024267	4.199264	4.242761	4.280507
HMGB1P5	ENSG0000	0.119204	1.744169	0.881274	0.390128	0.511845	-6.0362	2.137484	2.068355	1.921989	1.888135	1.909591	2.258349	1.917967	2.324112	2.376228	2.338465	2.355385	2.328504	2.079215	1.681564	1.801384	2.448672	2.37332	2.277588
WASF3	ENSG0000	0.115888	-0.03381	0.399806	0.694143	0.781124	-5.89047	4.635242	4.673038	4.662041	4.87551	5.235346	5.219282	4.96291	4.62424	4.606245	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
RNF17	ENSG0000	-0.3654	-0.33091	-3.63055	0.00199	0.008058	-1.6397	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.920163	4.117695	3.743789	3.599754	3.772912	3.6725	3.423579	3.449945	3.716682
CHRM3	ENSG0000	0.934566	0.925324	6.246432	7.81E-06	0.000106	3.894498	0.41387	0.215206	0.421314	0.841981	0.92021	0.984419	0.670238	0.509405	0.925731	2.589954	2.687979	2.522234	3.236398	3.512154	3.244428	3.439417	3.225651	3.31642
MYH10	ENSG0000	0.344577	2.069825	1.984376	0.063142	0.124562	-4.45795	3.643304	3.759847	3.906009	4.63346	4.537243	4.580436	4.245129	4.119235	4.198517	1.116489	1.112482	1.061592	0.982856	1.032323	1.209118	0.837776	1.118494	1.058313
PEMT	ENSG0000	-0.24241	4.756198	-3.74957	0.001532	0.006567	-1.73487	5.37392	5.358041	5.455144	4.772209	4.888929	4.751204	5.043928	5.103252	4.956916	4.652797	4.588222	4.835713	4.404034	4.403337	4.288734	4.570409	4.65292	4.515429
SCO1	ENSG0000	-0.00395	6.492432	-0.06081	0.9522	0.969073	-7.42797	6.792225	6.77608	6.809001	6.633339	6.489925	6.590627	6.802362	6.945833	6.799125	6.245675	6.232588	6.328875	6.307533	6.430582	6.34869	6.257897	6.185314	6.189767
MPRIP	ENSG0000	-0.5814	8.343785	-3.29033	0.004194	0.014656	-3.18295	8.677737	8.609517	8.70668	7.172485	7.290392	7.196566	7.325376	7.224273	7.321223	9.107012	9.072934	9.029309	8.75926	8.722235	8.771389	9.130874	9.07962	9.087465
PIK3C2B	ENSG0000	-0.56004	4.856727	-4.4362	0.00034	0.001985	-0.25602	5.20423	5.253581	5.319453	5.046722	4.950037	5.195807	4.19533	4.203129	4.189248	5.190639	5.085124	5.133432	4.881128	4.827513	4.87608	5.007591	4.808944	4.99276
DSTYK	ENSG0000	0.017366	5.652472	0.356107	0.726023	0.805793	-7.20264	6.35657	6.296311	6.293448	6.286057	6.375108	6.31909	6.321164	6.314337	6.181159	5.004057	4.981528	5.035219	4.973543	5.180814	5.131289	5.17303	5.080907	5.022829
SLC41A1	ENSG0000	0.057161	5.709762	0.983213	0.338918	0.459998	-6.78222	6.572167	6.480468	6.562826	6.408639	6.212315	6.48967	6.702513	6.627726	6.629611	5.099011	5.14044	5.009585	4.737134	4.657043	4.851597	5.057193	4.971913	5.157678
TMCC2	ENSG0000	-0.19718	2.123492	-1.52189	0.145923	0.239252	-5.31576	2.867343	2.76681	2.661582	2.633943	3.093416	2.719893	2.513265	2.753138	2.34318	2.494552	2.174476	2.104662	2.096181	2.016959	2.257813	2.211015	2.054898	2.14716
DCLK1	ENSG0000	0.149852	3.150782	0.402284	0.692352	0.77979	-6.74468	3.443098	3.439663	3.231147	2.393052	1.718467	2.374422	2.779728	2.938616	2.82232	2.966925	3.166245	3.269454	4.973543	4.907298	5.071593	3.623987	3.503143	3.477085
COG6	ENSG0000	-0.24419	4.766906	-3.0542	0.007004	0.021884	-3.1997	5.37392	5.291319	5.16615	5.025739	4.992907	5.00189	5.136557	5.117737	5.046897	4.581075	4.566354	4.606974	4.512278	4.827513	4.635585	4.289412	4.247965	4.382594
SPART	ENSG0000	0.095155	6.29875	1.163891	0.260111	0.375546	-6.68685	6.847715	6.879841	6.820217	6.944119	6.8196	6.892695	7.174192	7.24091	7.187972	5.776643	5.768456	5.712202	5.699414	5.653954	5.701404	5.490603	5.515684	5.63013
EPSTI1	ENSG0000	0.07164	4.26082	0.468638	0.64512	0.742681	-7.00516	4.855064	4.791891	4.725456	3.237064	3.278066	3.391835	4.330652	4.373746	4.570996	4.346223	4.490971	4.524909	4.179675	4.293598	4.372859	4.700972	4.920695	4.775955
RFXAP	ENSG0000	-0.22257	2.321084	-1.72885	0.101459	0.180842	-5.11971	2.688195	2.966631	2.681399	2.291228	2.398361	2.196611	2.667326	2.848856	2.697131	2.635389	2.687979	2.745712	2.67247	2.714997	2.604018	2.384669	2.585506	2.252429
TPT1	ENSG0000	0.28226	10.44218	5.29022	5.48E-05	0.000472	1.083457	10.37478	10.36745	10.33083	10.84435	10.8201	10.80821	10.70546	10.72892	10.75266	10.2036	10.16548	10.09341	10.18626	10.277	10.27275	10.28782	10.34142	10.41828
GPALPP1	ENSG0000	-0.49737	4.629662	-7.10556	1.50E-06	2.96E-05	5.229165	4.833667	4.742796	4.89628	4.263984	4.149079	4.088331	4.101117	4.203129	4.16108	5.15208	5.162472	5.313568	4.910199	4.965115	4.947129	4.768358	4.808944	4.969789
RFC3	ENSG0000	-0.1187	5.495167	-1.17603	0.255355	0.370181	-6.68044	5.71081	5.647129	5.613091	4.54774	4.384626	4.34463	5.601686	5.724453	5.653661	6.73571	6.497192	6.621069	4.379991	4.501207	4.431851	6.46067	6.37444	6.386167
STARD13	ENSG0000	-0.38926	2.071359	-1.47766	0.157293	0.253948	-5.31924	3.385444	3.286138	3.217639	2.661411	2.737798	2.961768	2.667326	2.389238	2.376228	1.52331	1.644832	1.73919	2.300295	2.307842	2.756856	1.992244	1.878239	1.703111
MORC4	ENSG0000	-0.25623	5.513477	-1.62578	0.12189	0.208664	-5.95869	6.573458	6.558629	6.535866	6.274985	6.214581	6.25428	5.891633	5.954347	5.851705	4.951137	5.038233	4.965822	4.407437	4.367677	4.346819	5.15875	5.269267	5.299535
BEX2	ENSG0000	-1.0357	1.251975	-2.75625	0.013247	0.03641	-2.92646	5.139438	5.018804	4.986657	4.727426	4.628433	4.440963	3.841036	4.040332	4.093134	0.54782	0.640699	0.683459	0.171976	0.190544	0.186984	0.738851	0.358227	0.497646
TBC1D8B	ENSG0000	0.300629	3.577837	2.277579	0.035578	0.079218	-4.52793	2.996191	2.982098	2.5366	3.910405	3.901574	3.776446	2.779728	3.122225	3.181386	3.985951	4.013804	3.91004	4.215053	4.298341	4.381435	4.302461	4.353122	4.115895
TCEAL4	ENSG0000	-0.16642	6.361375	-2.29631	0.034266	0.076992	-4.95998	6.930673	7.010971	6.916375	7.053127	6.929888	7.00726	6.458379	6.642827	6.546761	5.778332	5.832457	5.747523	6.077005	6.165747	6.128197	5.812844	5.879817	5.930982
FAM104A	ENSG0000	0.554295	5.659502	11.77877	9.65E-10	1.09E-07	12.59431	4.71698	5.007511	4.795321	5.408686	5.399687	5.135391	5.396627	5.416115	5.416114	5.816639	5.88346	5.892483	6.352354	6.287632	6.332194	6.374733	6.415487	6.390498
SLC39A11	ENSG0000	0.503177	5.572351	12.08952	6.42E-10	7.97E-08	13.01783	4.522086	4.574447	4.531653	5.573188	5.488499	5.431804	5.049544	5.043815	4.940438	5.774953	5.708155	5.787039	6.599928	6.582188	6.546597	6.2921	6.239876	6.24183
EPHB2	ENSG0000	0.358925	5.032766	8.156338	2.30E-07	6.68E-06	7.061032	3.551922	3.516026	3.736403	4.316764	4.258538	4.427589	3.866715	3.913244	3.783962	5.869883	5.862677	5.87366	6.707345	6.669899	6.629936	6.32231	6.250286	6.142619
SRRM1	ENSG0000	-0.2371	6.6931	-5.48995	3.61E-05	0.000345	1.733776	6.961579	6.883963	6.964681	6.357074	6.327751	6.345999	6.556314	6.672564	6.709581	7.106222	6.967306	7.108435	6.446316	6.357472	6.358497	6.798962	6.885891	6.930146
BTBD2	ENSG0000	0.185835	6.06499	2.272679	0.035929	0.079845	-5.01179	5.641082	5.612764	5.717553	5.89871	6.056841	5.804577	5.527156	5.435516	5.56328	6.028718	6.111977	6.292136	6.811816	6.785892	6.683803	6.628958	6.541621	6.44426
KMT5C	ENSG0000	-0.22352	2.933174	-2.22863	0.039229	0.085617	-4.47397	2.688195	2.76681	2.848472	2.605941	2.970101	2.924168	2.933443	2.540248	2.981126	3.463254	3.5985	3.764372	3.416036	3.348006	3.486261	3.366734	3.356678	3.135595
ZNF414	ENSG0000	0.114854	2.584716	0.854341	0.404474	0.526112	-6.18442	3.011517	3.027527	3.190238	2.81607	2.948483	3.18484	3.137083	3.178579	3.357206	2.18395	2.561038	2.546206	2.67247	2.714997	2.833866	2.652661	2.568968	2.200755
PDE6B	ENSG0000	-0.03543	-0.82969	-0.13698	0.892615	0.928265	-6.34365	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.256032	2.056133	2.249583	2.272125	3.013417	3.065945	2.846311	1.759719	2.33471	2.033602
HSPBP1	ENSG0000	-0.33615	6.147563	-4.95678	0.000111	0.000822	0.650433	5.954295	5.965765	6.165618	5.737065	5.757614	5.506852	5.616898	5.560947	5.673738	6.631184	6.660053	6.758869	6.65392	6.595738	6.602688	6.564521	6.438428	6.204601
CSNK1G2	ENSG0000	0.102442	5.681151	1.278926	0.217643	0.326545	-6.4992	5.641082	5.582643	5.774017	5.803295	5.957528	5.807161	5.687041	5.535999	5.54523	5.35583	5.684664	5.673276	5.865704	5.690495	5.75519	5.833967	5.966024	5.622786
SLF1	ENSG0000	0.785704	5.456224	2.279645	0.035431	0.078986	-4.82252	5.454629	5.607787	5.530827	6.996285	6.768082	6.880476	6.937237	6.939052	6.896307	5.101711	5.110531	5.058324	3.799417	3.724396	3.629946	4.790139	4.936897	4.874064
CNDP2	ENSG0000	-0.04413	7.049455	-0.8659	0.398276	0.519714	-7.11767	6.733361	6.722987	6.794289	6.701082	6.772703	6.801024	6.512251	6.53903	6.605426	7.356791	7.270921	7.288423	7.628439	7.651633	7.590982	7.434642	7.329286	7.365897
MACROD1	ENSG0000	0.224559	3.886942	1.088405	0.291197	0.409591	-6.44272	3.983545	4.073175	4.102541	2.577385	3.033076	2.845893	3.774765	3.833587	3.924645	3.968304	4.01918	4.275306	4.624704	4.739573	4.631995	4.522885	4.660745	4.317368
WDR74	ENSG0000	-0.17076	6.228601	-2.87526	0.010286	0.02974	-3.87813	5.825812	5.885792	5.869964	5.218368	5.367468	5.30954	5.519082	5.535999	5.619566	7.008883	6.946999	7.064503	6.852324	6.875902	6.856765	7.015183	6.894213	6.846449
RTN3	ENSG0000	0.192503	7.19268	4.721651	0.000183	0.00122	0.046436	6.795549	6.788229	6.755086	7.202013	7.001181	7.077449	6.980512	7.091148	7.056524	7.322477	7.352512	7.377129	7.44692	7.464912	7.494461	7.492248	7.456108	7.49954
PLAAT4	ENSG0000	0.004642	2.607515	0.050441	0.960343	0.974645	-7.1048	1.069823	1.374745	1.146821	1.182548	0.92021	1.123626	0.415731	0.824004	0.735084	5.432908	5.283572	5.506132	5.354592	5.27526	5.33267	5.494399	5.522142	5.428683
PLAAT2	ENSG0000	-0.73079	-0.41084	-2.57482	0.019383	0.049054	-3.43336	0.503316	0.875715	0.512639	0.258133	0.106501	0.2349	0.106501	0.106501	0.629397	2.30136	2.23117	2.34226	1.838325	1.710321	1.695314	1.880661	1.766644	2.226823
CEP20	ENSG0000	0.169669	6.154002	4.412459	0.000358	0.002065	-0.51714	6.56958	6.579116	6.527679	6.171319	6.263548	6.070736	6.671888	6.793275	6.782272	5.963411	5.95393	5.944141	5.513008	5.499826	5.559343	6.059528	6.065166	6.17478
MED10	ENSG0000	-0.12635	5.763298	-1.99193	0.062239	0.123341	-5.4584	6.1847	6.088736	6.1372	5.768983	5.547207	5.628736	6.073542	6.136086	5.923331	5.828099	5.776414	5.660978	5.588386	5.534411	5.542234	5.580838	5.576928	5.659138
MORC2	ENSG0000	-0.11939	6.218577	-2.89681	0.009823	0.028705	-3.81285	5.866415	5.944211	5.8172	5.890028	5.979012	6.024845	5.67619	5.692556	5.806958	6.658951	6.71988	6.602612	6.685792	6.643116	6.619099	6.608965	6.518123	6.55129
LARGE1	ENSG0000	0.41824	-1.29267	1.110421	0.281861	0.399299	-5.27454	1.861169	2.009193	1.853768	2.791417	2.633282	2.865864	2.186178	1.988058	2.239236	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.19538	0.106501
MYO18B	ENSG0000	-0.21557	-0.65312	-0.67366	0.509342	0.624693	-5.98898	0.587539	0.582935	0.421314	0.106501	0.106501	0.2349	0.106501	0.509405	0.256032	1.52331	1.875739	1.585733	1.99126	1.970168	1.826726	1.571317	1.795362	1.58715
SLC2A11	ENSG0000	-0.31658	2.438878	-1.76471	0.09508	0.171791	-5.117	1.990546	2.039077	2.166567	2.393052	2.155834	2.557474	1.917967	1.85606	1.873138	3.002038	3.166245	2.796562	4.34138	4.354074	4.385705	2.494877	2.755911	2.84714
C1QTNF6	ENSG0000	1.577798	4.962081	22.10471	3.21E-14	6.54E-11	22.07954	4.654895	4.701347	4.804386	7.542059	7.494372	7.439128	6.283529	6.335147	6.321389	2.392392	2.766797	2.693003	5.19838	5.173088	5.296849	4.01601	3.870083	3.840032
SEC14L4	ENSG0000	0.504769	0.561066	1.134111	0.272064	0.388823	-5.40001	2.296082	2.258179	2.300736	2.97776	3.378481	2.924168	2.576877	2.389238	2.560038	0.415169	0.583785	0.639567	0.5125	0.345231	0.186984	0.837776	1.329561	0.872651
ZDHHC8P1	ENSG0000	-0.56188	-0.12056	-1.98622	0.06292	0.124278	-4.27872	0.318509	0.316291	0.512639	1.326771	1.498102	1.188496	0.269385	0.106501	0.39151	1.278001	1.588084	1.46518	2.529911	2.729118	2.544166	1.286141	1.2488	1.058313
ADCK2	ENSG0000	-0.43014	4.270205	-4.5795	0.000249	0.001546	0.185686	5.197545	5.29442	5.183625	4.576883	4.515354	4.351728	4.367093	4.637703	4.654189	4.177304	4.061483	4.246333	3.669424	3.752319	3.578659	4.147172	3.986735	3.906054
MKRN1	ENSG0000	-0.11527	6.598284	-1.62351	0.122377	0.209271	-6.16469	6.413925	6.523385	6.418267	6.312288	6.210046	6.328116	6.341911	6.267473	6.240692	6.747828	6.81645	6.831992	7.120391	7.108382	7.163789	6.71443	6.689514	6.801623
AGAP3	ENSG0000	0.134809	6.123453	1.847645	0.08165	0.152818	-5.74798	5.797357	5.785783	5.783216	6.149661	6.557529	6.337085	6.054115	5.891111	5.842866	6.118119	6.152903	6.198812	6.446316	6.310116	6.351966	6.341403	6.324822	6.166386
KRBA1	ENSG0000	-0.41004	4.064878	-4.63377	0.000222	0.001404	0.425474	5.243701	5.328095	5.417238	5.072529	5.208315	5.151751	5.109925	4.68386	4.912549	3.50465	3.26005	3.325935	3.296351	3.272884	3.19663	3.254827	2.947209	2.928814
ZNF767P	ENSG0000	-0.43017	2.943483	-3.72344	0.001623	0.006856	-1.3671	3.541402	3.461896	3.707702	3.237064	3.394558	3.335661	3.423261	3.023117	3.323715	3.013555	3.065914	2.845681	3.165832	3.141796	3.010124	2.432936	2.552239	2.687355
ACTR3B	ENSG0000	-0.26342	4.603738	-3.19398	0.005173	0.017338	-2.86926	4.933595	4.945746	5.11242	4.97738	5.217382	5.151751	4.758625	4.709588	4.751857	4.468423	4.435757	4.706059	4.241981	4.354074	4.351192	4.374256	4.184245	4.305185
NTS	ENSG0000	-0.13434	1.226667	-0.74458	0.46642	0.586287	-5.72769	7.376953	7.374006	7.306824	7.923688	7.847433	7.909182	7.19841	7.247511	7.177464	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
BTG1	ENSG0000	0.237311	6.87373	2.198173	0.041673	0.089918	-5.18331	7.24378	7.426532	7.393475	7.917294	7.874194	7.922353	7.85994	7.941556	7.98725	6.112774	6.15168	6.133064	6.098213	6.074684	6.026606	5.928183	6.032367	5.874386
C12orf29	ENSG0000	0.168527	5.364044	2.616336	0.017777	0.045798	-4.23154	5.449012	5.455446	5.366116	5.55133	5.539998	5.331249	5.757368	5.874148	5.683673	5.240498	5.240494	5.332646	5.113436	5.216333	5.205617	5.189513	5.324498	5.332922
ATP13A3	ENSG0000	0.18535	7.834838	1.543138	0.140709	0.232685	-6.389	8.039044	8.061542	8.02975	7.473009	7.335852	7.535008	8.606188	8.573618	8.504196	7.815693	7.849324	7.745223	7.520248	7.453794	7.583103	7.655822	7.65186	7.715154
TMEM254	ENSG0000	-0.26867	4.755387	-3.63393	0.001975	0.008016	-1.91575	5.87482	5.809819	5.841623	5.359221	5.438974	5.468184	5.574674	5.423907	5.50844	3.980092	4.190981	4.108233	4.122859	4.073319	4.072733	3.934535	3.923096	4.022248
TMTC1	ENSG0000	0.974685	1.207203	2.702041	0.014853	0.039742	-3.00305	6.169409	6.249149	6.162096	8.531853	8.353828	8.498	7.098998	7.232061	7.159779	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
KRAS	ENSG0000	0.024542	6.421537	0.184143	0.856021	0.902799	-7.48156	6.332364	6.255527	6.304671	4.857809	5.089893	5.033133	6.41117	6.450256	6.476114	7.893333	7.917847	7.816562	5.19838	5.231292	5.319341	7.752893	7.792049	7.864804
IPO8	ENSG0000	-0.14832	6.491479	-1.22431	0.237081	0.349052	-6.67998	6.00877	5.948154	6.074887	6.8048	6.832934	6.726528	5.817858	5.663233	5.830996	6.834795	6.912025	6.823435	6.861035	6.834867	6.902174	6.721734	6.746696	6.813498
LARS1	ENSG0000	-0.20861	8.171455	-4.56884	0.000255	0.001574	-0.36377	8.209456	8.253404	8.252674	7.836758	7.724835	7.862733	8.14211	8.100712	8.058334	8.643444	8.63323	8.634738	7.909069	7.881179	7.937343	8.382809	8.313012	8.405009
SPINK5	ENSG0000	-0.56375	0.390719	-2.30319	0.033795	0.076175	-4.06308	1.235614	1.173893	0.756332	0.52061	0.389229	0.106501	0.782422	0.726566	0.256032	2.635389	2.935512	2.615819	1.858352	1.871771	2.07955	2.317694	2.518186	2.252429
IMPA1	ENSG0000	-0.03522	5.064544	-0.5771	0.571228	0.679921	-7.01237	5.731782	5.697188	5.767078	5.350809	5.296516	5.242382	5.712047	5.755661	5.653661	4.652797	4.768219	4.687318	4.460809	4.596713	4.649854	4.681127	4.641102	4.656368
LRRCC1	ENSG0000	0.10359	3.611106	0.679376	0.505798	0.621565	-6.7167	2.917019	2.870177	2.830836	3.70135	3.6964	3.510758	3.178682	3.40015	3.00245	4.434552	4.415514	4.369004	3.835226	3.958151	3.996621	4.426844	4.348284	4.399883
E2F5	ENSG0000	-0.03737	5.269209	-0.60933	0.550144	0.660851	-7.05427	5.104131	5.130591	5.27123	5.342348	5.355198	5.404757	4.998191	5.319175	5.021009	5.185557	5.321056	5.28001	5.7445	5.750567	5.589266	5.246891	5.26414	5.21089
CCDC59	ENSG0000	-0.61692	5.474524	-5.65212	2.59E-05	0.000262	2.215335	6.54082	6.537848	6.476139	4.809518	4.764552	4.745826	5.609312	5.623184	5.741885	5.80177	5.714797	5.820595	4.917376	4.938017	4.935528	5.375946	5.401238	5.431488
SWAP70	ENSG0000	-0.3071	4.69951	-3.99008	0.000903	0.004303	-1.21084	4.876148	4.847837	4.662041	4.821743	4.600983	4.598452	4.19533	4.212157	4.235006	4.902409	4.936777	4.895252	5.127945	5.12584	5.229565	4.802439	4.833383	4.72199
ARNTL	ENSG0000	0.063645	3.684994	0.337904	0.73946	0.816697	-6.84067	2.850396	2.950996	2.720234	4.40878	3.89028	4.308605	3.632324	3.506713	3.124172	4.14101	4.186209	4.235316	4.15964	4.259953	4.232958	4.103106	3.916575	3.87342
AMPD3	ENSG0000	-0.01007	2.532464	-0.04822	0.962086	0.975683	-6.85431	2.9807	2.886707	2.720234	1.256461	1.2379	1.475193	1.240874	1.710758	1.50602	3.673879	3.981119	3.819506	3.575762	3.393046	3.556108	4.117945	4.189664	4.203832
NA	ENSG0000	-0.71676	-0.0738	-2.22987	0.039133	0.08546	-3.93797	1.235614	1.226787	1.30847	0.52061	0.625525	0.461789	0.269385	0.387194	0.256032	1.278001	1.529011	1.67541	1.473091	1.495836	1.580823	1.599785	1.478665	1.546329
SBF2	ENSG0000	0.219155	4.608328	2.812619	0.011754	0.03308	-3.60736	5.259834	5.120143	5.204319	5.510375	5.529116	5.503669	5.29153	5.241941	5.392079	3.709722	3.953305	3.519989	4.319876	4.179969	4.297823	4.117945	4.071361	3.945834
MICAL2	ENSG0000	-0.63022	6.126115	-3.73332	0.001588	0.006747	-2.02167	6.717094	6.69158	6.670856	5.687824	5.651233	5.651925	5.248226	5.228657	5.207006	6.682591	6.649691	6.662781	6.028115	5.961126	6.077636	6.632407	6.608892	6.624204
RRAS2	ENSG0000	-0.34007	5.231812	-3.51778	0.002549	0.009848	-2.34216	6.057576	6.083368	6.091646	4.960893	4.795153	4.78306	5.704947	5.650007	5.716303	5.309864	5.235883	5.28001	4.647902	4.693507	4.912042	5.036515	5.015283	4.942519
HSD17B4	ENSG0000	0.013202	6.868112	0.205871	0.839271	0.891072	-7.43062	7.29478	7.335389	7.239075	7.401507	7.31805	7.346227	7.262685	7.401454	7.351659	6.335594	6.265758	6.337486	6.71148	6.624351	6.769611	6.31589	6.224119	6.333156
ZFC3H1	ENSG0000	0.334953	5.614924	3.588572	0.002183	0.008659	-2.22218	5.356021	5.29442	5.363051	5.812513	5.960231	5.982028	5.904087	5.871301	6.015365	5.218274	5.487385	5.180139	5.98094	5.961126	6.018381	5.315009	5.456227	5.448204
TEX15	ENSG0000	-0.15359	2.040762	-1.09239	0.289491	0.407835	-6.38339	0.667115	0.940485	0.679585	0.742604	1.164793	1.188496	0.782422	0.726566	0.629397	5.144243	5.155166	4.98568	3.870167	3.560336	3.740748	4.838721	4.952919	5.033946
SARAF	ENSG0000	0.381821	7.758836	5.742916	2.15E-05	0.00023	2.205431	7.485208	7.507589	7.415088	8.261547	8.100549	8.225959	8.087873	8.082368	8.122432	7.384775	7.342897	7.378382	7.927552	7.947221	7.971473	7.522303	7.516109	7.506873

RNF122	ENSG0000	0.01149	0.703142	0.046278	0.963613	0.976433	-6.21523	0.742531	0.875715	0.829201	1.393812	1.373859	1.367251	1.074544	1.301009	1.564539	1.940223	2.053933	2.055402	1.548989	1.560439	1.423614	1.784732	1.513652	1.626848
DPF2	ENSG0000	0.033514	6.368748	0.891991	0.384514	0.506345	-7.03947	6.090422	6.061694	5.997956	5.762655	5.782263	5.778475	6.148732	6.048077	6.185827	6.844501	6.829514	6.872255	6.708725	6.64591	6.65137	6.850218	6.806114	6.909169
MEN1	ENSG0000	-0.14046	5.657536	-2.36884	0.029598	0.068459	-4.79996	5.075249	5.095468	5.071705	5.290513	5.024245	4.854763	4.751751	4.709588	4.889843	6.365112	6.371473	6.463205	6.511002	6.39449	6.555151	6.435225	6.296221	6.275002
ERG28	ENSG0000	0.716922	4.903635	12.62264	3.25E-10	4.94E-08	13.72763	3.903656	3.912946	4.003689	4.392481	4.439897	4.531264	4.688362	4.796183	4.819498	5.096306	5.085124	5.103452	5.771154	5.752296	5.756839	5.629975	5.786343	5.774091
DGLUCY	ENSG0000	0.023183	4.003503	0.354956	0.72687	0.806293	-6.99147	3.288121	2.90305	3.013906	3.898911	3.588725	3.535905	3.33403	3.26787	3.162566	4.803043	4.732663	4.654613	5.248563	5.173088	5.267074	4.657623	4.687803	4.744721
NUMB	ENSG0000	0.111237	6.231461	1.529667	0.143996	0.236846	-6.26179	6.057576	5.987002	5.935379	6.01507	5.815483	5.935541	6.164346	6.310139	6.258527	6.314798	6.450203	6.352858	6.593968	6.574388	6.611828	6.355036	6.387466	6.406268
COX16	ENSG0000	0.191278	1.489194	0.931511	0.364279	0.486081	-5.80192	2.021155	2.039077	2.621113	2.518519	2.737798	2.719893	2.607661	2.801791	2.501332	1.388276	1.55885	1.46518	1.498836	1.871771	1.51998	1.354562	1.547811	0.999041
TTC9	ENSG0000	-0.27203	4.416309	-2.65266	0.016476	0.043122	-4.24179	2.109269	1.978677	2.248556	2.661411	2.264801	2.196611	1.389995	1.15884	1.171446	7.711267	7.692444	7.739386	7.110509	7.096177	7.151305	7.513913	7.507456	7.471878
MED6	ENSG0000	-0.49277	4.94366	-7.48377	7.52E-07	1.71E-05	5.868537	4.961483	4.710662	4.970641	4.062381	4.040879	4.162865	4.225415	4.332946	4.17992	5.745902	5.876072	5.988557	5.373851	5.451674	5.435088	5.46375	5.422105	5.531613
EIF2S1	ENSG0000	-0.12886	7.621258	-4.0884	0.000728	0.003614	-1.38432	7.453996	7.501564	7.465247	7.099051	7.007728	7.098701	7.354028	7.394531	7.294459	8.122679	8.082571	8.100015	7.813889	7.808647	7.806529	7.959229	7.954845	8.005095
LOXL2	ENSG0000	-0.075	6.43158	-0.31458	0.756806	0.829649	-7.27248	8.838102	8.847924	8.910901	7.206682	7.295752	7.19952	8.182927	8.18107	8.201775	4.588795	4.5846	4.491347	4.404034	4.459468	4.279586	5.64542	5.465192	5.557523
ELP3	ENSG0000	-0.2406	5.586195	-4.58751	0.000245	0.001525	-0.04583	5.736401	5.869251	5.651273	5.743505	5.671168	5.781107	5.444307	5.488491	5.493457	5.485546	5.631248	5.643029	5.816647	5.717306	5.758486	5.382106	5.324498	5.470195
CTIF	ENSG0000	0.459037	5.285253	3.66827	0.001832	0.007556	-1.7479	6.769868	6.833697	6.848977	7.939201	7.965814	7.927707	7.449521	7.27146	7.352698	2.955028	2.804649	2.930089	4.290695	4.11155	4.351192	3.053433	3.034117	2.84714
MBD2	ENSG0000	0.919826	5.728812	18.38547	7.09E-13	5.94E-10	19.77438	4.91334	4.988492	4.946277	6.087736	6.041607	6.087841	5.952856	5.907876	6.017985	5.264796	5.363942	5.265644	6.152952	6.176092	6.133284	6.038884	6.18667	6.123666
IER3IP1	ENSG0000	-0.0516	4.854543	-0.56539	0.578996	0.685527	-6.95435	5.49062	5.477439	5.506038	5.428807	5.367468	5.471446	5.661594	5.698992	5.690258	4.596474	4.506366	4.654613	3.95166	4.078843	4.104162	4.161567	4.263465	4.286716
MRPS36	ENSG0000	0.002606	4.937705	0.033169	0.973916	0.982804	-7.16753	5.246942	5.355074	5.284248	5.213737	5.059965	5.068031	5.42715	5.581992	5.37991	4.721121	4.784095	4.703397	4.621778	4.78759	4.79173	4.619897	4.592839	4.525965
CCNB1	ENSG0000	0.23673	6.360178	1.260436	0.22408	0.333952	-6.64219	6.923601	6.867402	6.828017	6.303597	6.259165	6.287974	7.287852	7.369533	7.306296	6.759845	6.619038	6.664151	4.407437	4.425185	4.539229	6.69064	6.610913	6.756478
CDK7	ENSG0000	0.294418	5.312738	2.986113	0.008111	0.024563	-3.46034	5.420591	5.485601	5.41428	5.517909	5.371535	5.494077	5.444307	5.477302	5.534291	4.893087	4.836805	4.758301	5.541158	5.556356	5.602165	5.325701	5.246049	5.388831
IRAK2	ENSG0000	-0.51541	4.12689	-3.5673	0.002287	0.008995	-2.12954	5.343965	5.343146	5.22134	2.548252	2.881616	2.581827	4.293266	4.090149	4.261781	4.986631	4.887657	5.000938	3.388755	3.568213	3.272365	4.796302	4.870969	4.827974
CAMK1	ENSG0000	-0.13565	2.444728	-1.01572	0.323617	0.443415	-5.91203	4.212988	4.058659	4.307715	3.503067	3.643567	3.689474	3.965091	3.856799	4.00079	1.676063	1.616737	1.780195	1.548989	1.282615	1.51998	1.880661	2.101639	1.58715
THUMPD3	ENSG0000	-0.02358	6.116091	-0.57208	0.574554	0.68246	-7.22921	6.048317	6.097639	6.054137	5.980046	5.943937	5.887507	6.042896	6.085402	5.994232	6.275876	6.290423	6.188378	6.310262	6.305411	6.284978	6.280056	6.222798	6.183125
VHL	ENSG0000	-0.28973	5.929996	-4.94182	0.000114	0.000842	0.655349	6.111912	6.206989	6.104547	5.827747	5.754503	5.702775	5.61311	5.612996	5.709835	6.072047	6.23143	6.139972	5.977511	6.038288	6.005955	6.010007	5.997261	6.06346
BHLHE40	ENSG0000	0.333587	7.591581	3.997223	0.000889	0.00425	-1.57071	7.520453	7.459365	7.420994	7.706841	7.678807	7.685159	7.807039	7.718181	7.805844	7.507959	7.528702	7.606404	7.247323	7.216952	7.187213	7.918844	7.89183	7.881311
ARL8B	ENSG0000	0.067294	6.598263	1.335505	0.198844	0.303569	-6.55598	6.636598	6.641322	6.570816	6.69611	6.578791	6.718313	6.707851	6.929505	6.821794	6.600965	6.563087	6.613289	6.457847	6.454151	6.451034	6.605459	6.492044	6.506769
EDEM1	ENSG0000	0.061571	5.89168	0.555903	0.585324	0.690946	-7.21274	5.940349	5.916304	6.013674	5.955291	5.77614	5.949645	6.202659	6.232407	6.133632	6.164057	6.263495	6.055851	5.219825	5.185942	5.303633	6.027141	5.991068	6.18146
CHL1	ENSG0000	2.557745	1.342941	5.051483	9.06E-05	0.000703	1.532393	4.081197	4.197635	4.065319	7.512197	7.285011	7.480193	6.794021	6.711283	6.694921	0.190076	0.259702	0.16959	0.234608	0.190544	0.263213	0.106501	0.19538	0.214669
MEIS2	ENSG0000	0.414186	4.227275	2.294813	0.034369	0.077175	-4.55356	3.765853	3.855322	3.773804	5.161789	5.133653	5.199746	4.845133	4.709588	4.764393	4.03198	4.056262	4.063257	4.163669	4.200384	4.174939	3.865871	3.890192	3.914098
DPH6	ENSG0000	-0.002	3.785215	-0.01975	0.98447	0.990029	-6.86978	4.450796	4.564207	4.357835	4.020568	4.030628	4.079806	4.358069	4.741115	4.364168	3.437834	3.447177	3.48321	3.475595	3.495729	3.556108	3.470581	3.467897	3.31642
KATNBL1	ENSG0000	-1.03546	5.803152	-14.3371	4.23E-11	1.06E-08	15.73989	5.596044	5.37864	5.49208	4.772209	4.648682	4.656929	4.737903	4.690335	4.694053	7.383111	7.182643	7.240101	6.638802	6.699783	6.735731	6.02583	6.235953	6.23221
EMC7	ENSG0000	0.156299	6.831687	1.838506	0.083044	0.154633	-5.82466	7.092555	7.067345	7.044316	7.564966	7.457541	7.444118	7.419472	7.483899	7.428505	6.45866	6.443221	6.450559	6.229912	6.245274	6.281546	6.368542	6.319888	6.420456
GSTM1	ENSG0000	0.00702	0.503159	0.03369	0.973506	0.982613	-5.98674	5.895619	5.936292	5.939499	5.818626	5.745129	5.757249	5.872748	5.967735	5.972785	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PRPF38B	ENSG0000	0.234772	5.844977	3.017894	0.007574	0.02328	-3.50021	5.565217	5.564777	5.668751	5.952514	5.806499	5.830214	6.15916	6.138456	6.155213	5.92581	5.942657	5.86177	5.812803	5.808237	5.838529	5.870936	5.847615	5.927013
TSPAN2	ENSG0000	-0.54794	0.663435	-1.45777	0.162637	0.260515	-5.36496	1.069823	0.940485	1.358564	0.395333	0.828511	0.2349	0.106501	0.726566	0.735084	2.444376	2.249583	2.382761	3.60569	3.436722	3.644271	1.926335	2.37332	2.06284
GSTM3	ENSG0000	0.386407	4.574859	3.929243	0.001032	0.004802	-0.97081	7.266314	7.274668	7.210378	7.155682	7.119559	7.108163	7.647682	7.645069	7.64057	2.100009	2.011405	1.969371	2.24051	2.344993	2.294605	2.317694	2.146913	2.326628
VAV3	ENSG0000	0.178138	3.882081	1.375144	0.186459	0.288792	-5.92964	4.066597	4.051346	3.83701	4.350907	4.515354	4.480358	4.101117	4.203129	4.132351	3.17611	3.569479	3.36689	4.287006	4.581228	4.381435	3.508614	3.765107	3.352387
PSRC1	ENSG0000	-0.02481	3.526032	-0.17694	0.861589	0.907061	-6.87142	4.029438	4.014214	3.947516	3.77864	3.31232	3.643939	3.617275	3.773871	3.733845	3.614613	3.942027	3.886761	2.977243	2.714997	2.846311	4.057652	3.85652	4.066226
SORT1	ENSG0000	0.128451	6.404709	0.776531	0.447818	0.568473	-7.12056	4.69816	4.835117	4.691656	6.504656	6.530503	6.555706	4.944941	4.843429	4.860948	7.23171	7.356233	7.187248	7.843705	7.780532	7.804936	7.373095	7.334799	7.355597
WNT2B	ENSG0000	-0.62248	0.189313	-2.0309	0.057761	0.116216	-4.20872	1.791852	1.708084	1.921989	0.841981	1.087782	0.746642	1.160105	1.231675	1.674905	0.934589	1.029669	1.027938	1.018891	1.2438	1.08859	0.576451	0.759002	1.058313
PTGFRN	ENSG0000	0.265216	3.40667	0.830343	0.417543	0.539368	-6.00362	6.416805	6.305561	6.320555	7.473009	7.407913	7.395144	6.686381	6.636135	6.573723	1.239286	1.467416	1.027938	0.5125	0.888753	1.002253	1.017342	1.206659	1.322858
LAMTOR5	ENSG0000	0.067896	6.386318	0.949664	0.355231	0.476597	-6.91593	6.98603	6.950339	6.935067	7.206682	7.256706	7.19064	7.194613	7.207443	7.208762	5.847534	5.78433	5.77821	5.57332	5.605024	5.652638	5.747551	5.603561	5.588012
NOTCH2	ENSG0000	-0.03722	6.908964	-0.47367	0.641596	0.739482	-7.37965	6.304638	6.117033	6.191761	6.502759	6.389218	6.618851	6.485567	6.493476	6.519286	7.56875	7.627048	7.41016	7.560153	7.461215	7.549725	7.324349	7.234815	7.240356
TRIM45	ENSG0000	-0.33663	2.536319	-1.68779	0.109215	0.191665	-5.24487	2.345296	2.232543	2.194417	2.766336	2.520598	2.741673	2.981245	2.801791	2.846105	3.394446	3.287042	3.332842	3.039964	2.875953	3.106389	2.494877	2.500854	2.59029
CEPT1	ENSG0000	-0.06006	4.724881	-0.97278	0.343934	0.464901	-6.68357	4.820675	4.852052	4.804386	4.487626	4.416469	4.473866	4.723921	4.747338	4.732845	4.893087	4.836805	4.950186	4.863895	4.997558	4.85468	4.882828	4.833383	4.878182
VTCN1	ENSG0000	-1.67273	-0.27075	-6.29356	7.12E-06	9.87E-05	3.95757	0.503316	0.316291	0.421314	0.52061	0.389229	0.106501	0.106501	0.106501	0.106501	2.620402	2.924094	2.604447	3.36795	3.637228	3.421201	1.286141	1.513652	1.775544
AP4B1	ENSG0000	0.193165	3.591197	2.304894	0.03368	0.076021	-4.46191	3.313074	3.461896	3.217639	3.661095	3.531716	3.786958	3.788265	3.605944	3.90213	3.730807	3.854512	3.819506	3.918659	3.799921	3.916269	3.737235	3.88352	3.87342
NAPG	ENSG0000	-0.24508	5.688731	-4.70765	0.000189	0.00125	0.154321	5.525735	5.602793	5.589687	4.93299	5.084948	4.97456	5.30568	5.224202	5.131593	6.319445	6.335294	6.281465	6.084464	6.041121	6.077636	6.107404	6.137047	6.18645
SPIRE1	ENSG0000	-0.00492	6.015433	-0.12931	0.898589	0.932435	-7.38342	5.583279	5.683061	5.776322	5.772136	5.754503	5.817452	5.628203	5.695778	5.566863	6.354963	6.289311	6.307119	6.487887	6.492942	6.471263	6.336125	6.398038	6.285892
PPHLN1	ENSG0000	0.170511	6.144018	3.663925	0.001849	0.007611	-2.1345	6.335412	6.313225	6.142572	6.667608	6.508511	6.455483	6.481417	6.497174	6.478018	5.759646	5.696457	5.829169	6.044597	6.058	6.065712	5.847385	5.919494	5.878503
FKBP11	ENSG0000	0.564279	3.760717	5.367709	4.66E-05	0.000419	2.028169	4.450796	4.57954	4.569365	4.740363	4.971631	4.927828	5.253102	5.112925	5.296047	3.134522	2.727926	2.627101	2.940139	2.888589	2.846311	3.063688	2.99751	2.990979
ARF3	ENSG0000	-0.07423	7.76464	-1.66244	0.114254	0.198067	-6.21119	7.621923	7.656598	7.613795	7.532793	7.386972	7.608707	7.433501	7.392547	7.452914	7.952869	7.99354	7.990438	8.07497	8.061487	8.072583	8.005181	8.040183	7.997544
TMEM106	ENSG0000	0.31051	6.244891	2.947391	0.008814	0.026291	-3.65329	6.707715	6.657066	6.628099	7.189095	7.064098	7.197551	7.086758	7.094814	7.090526	5.638424	5.566627	5.63047	5.399705	5.322591	5.231938	5.726727	5.793479	5.782904
SLC38A2	ENSG0000	0.053875	8.581485	0.480651	0.636726	0.735216	-7.47131	9.146502	9.09754	9.072517	9.220866	9.157823	9.197494	9.550492	9.568726	9.627232	8.178102	8.137983	8.102796	7.797127	7.746662	7.754245	7.657939	7.726922	7.805496
PLEKHA8P	ENSG0000	-0.1212	2.25209	-1.09201	0.289652	0.407974	-5.93221	2.833249	2.71221	2.739267	2.255624	2.299368	2.429135	2.696258	2.596487	2.309357	2.444376	2.646894	2.53427	2.566893	2.642244	2.399663	2.679583	2.447571	2.442395
YWHAQ	ENSG0000	-0.00172	8.596689	-0.0518	0.959278	0.974161	-7.61612	8.590492	8.618514	8.57648	8.508882	8.436712	8.427525	8.492748	8.541299	8.487279	8.645527	8.643927	8.692266	8.619383	8.673551	8.646644	8.771356	8.707991	8.729229
KIDINS220	ENSG0000	0.293642	6.205171	2.723348	0.0142	0.038386	-4.14125	5.724825	5.783578	5.676178	6.402548	6.4654	6.548001	6.458379	6.457866	6.52298	6.151081	6.270274	6.150762	6.416233	6.308941	6.42638	6.108643	6.104426	6.084997
GRHL1	ENSG0000	-0.09093	2.416293	-0.99642	0.332643	0.452905	-6.53282	1.069823	0.582935	1.406977	1.104644	0.828511	0.909432	0.670238	1.001115	1.314712	4.954128	4.890593	4.847819	5.329703	5.250999	5.283183	4.76522	4.784083	4.857474
ROCK2	ENSG0000	-0.16973	6.626111	-3.18146	0.005316	0.017712	-3.24705	6.794442	6.852753	6.816862	6.603556	6.667471	6.680757	6.487637	6.553309	6.504416	6.538558	6.689012	6.52934	6.736042	6.723781	6.754009	6.541774	6.538439	6.529201
RSAD2	ENSG0000	0.495439	2.875988	6.185033	8.82E-06	0.000117	3.313795	0.667115	0.661886	0.512639	0.742604	0.625525	0.2349	0.983587	1.082132	1.564539	6.783583	6.838665	6.889926	5.318904	5.191052	5.33267	7.215307	7.286305	7.396365
LPIN1	ENSG0000	0.399031	4.714955	4.086409	0.000731	0.003626	-0.99816	4.321496	4.318312	4.294909	4.839889	4.825118	4.874612	5.238424	5.122533	4.989319	4.699893	4.709571	4.604122	4.989521	4.8854	4.912042	4.691084	4.801884	4.771534
CMPK2	ENSG0000	0.233728	3.566366	2.25443	0.037264	0.082261	-4.85005	2.218961	2.61635	2.700947	1.74141	2.299368	1.475193	1.762502	2.290412	2.530983	5.667877	5.758847	5.654101	4.379991	4.438137	4.550681	5.854786	6.121538	6.032387
IAH1	ENSG0000	-0.24295	5.661073	-3.44571	0.002986	0.011198	-2.50808	6.715925	6.659473	6.669617	6.236693	6.214581	6.148201	6.288287	6.389876	6.310744	5.085433	4.936777	5.074898	4.96664	4.956139	5.036727	5.036515	4.854006	4.914724
LDHA	ENSG0000	0.455444	9.917962	4.091032	0.000724	0.003597	-1.48159	10.93943	10.96442	10.90631	11.00633	10.99208	10.95817	11.23233	11.27364	11.25153	8.68365	8.858004	8.699633	8.164908	8.294172	8.235487	9.360733	9.34573	9.395551
IL6ST	ENSG0000	0.73357	6.888452	8.765445	8.25E-08	3.19E-06	8.031606	7.283776	7.284837	7.328194	8.578978	8.476433	8.571286	8.239305	8.264798	8.182053	5.378276	5.50665	5.37006	6.077005	6.073301	6.149693	5.823444	5.833837	5.878503
FST	ENSG0000	1.137641	3.526457	4.953755	0.000112	0.000826	1.378864	6.943714	6.849594	7.006522	6.836776	6.4692	6.757592	8.076227	8.113417	8.128507	0.609835	1.029669	1.158083	0.828978	0.671977	1.08859	0.974502	1.289746	1.058313
NAV1	ENSG0000	-0.04614	2.931985	-0.32347	0.750177	0.825015	-6.715	1.791852	1.780637	1.585853	3.408969	3.34578	3.292047	1.389995	1.760835	1.38134	3.926269	3.975599	3.513924	5.034222	4.974036	5.052924	3.6717	3.800954	3.937965
CDC73	ENSG0000	0.078182	6.833534	1.309825	0.207211	0.313678	-6.61434	6.632887	6.616761	6.690547	6.907307	6.755688	6.904811	6.983449	6.917137	6.9508	6.86769	6.924971	6.943368	6.908631	6.889324	6.947642	6.774196	6.780307	6.843293
TIMM17A	ENSG0000	-0.08796	7.042814	-1.66345	0.114048	0.197782	-6.1314	7.526467	7.574163	7.493546	7.390264	7.409892	7.418149	7.408586	7.431719	7.3835	6.832359	6.777326	6.828942	6.369899	6.414288	6.44491	6.795889	6.745776	6.737337
RPS15A	ENSG0000	0.010805	5.967452	0.251831	0.804109	0.864698	-7.31504	6.412482	6.329943	6.307862	6.357074	6.325656	6.246684	6.389189	6.301706	6.468472	5.718015	5.71148	5.574748	5.553494	5.560311	5.652638	5.638576	5.695942	5.610463
NARS1	ENSG0000	-0.22689	8.187891	-5.73757	2.17E-05	0.000231	2.158716	8.70126	8.774045	8.725593	8.266027	8.175155	8.286016	8.599981	8.571427	8.552433	8.131295	8.060253	8.097736	7.693289	7.726128	7.701279	7.770609	7.819398	7.82536
RELCH	ENSG0000	0.219786	4.958955	3.04145	0.007199	0.022354	-3.25421	4.97718	4.988492	5.05661	5.605366	5.637789	5.759919	5.282018	5.344028	5.165072	4.61171	4.51019	4.566525	4.846454	4.840579	4.769032	4.749424	4.641102	4.789136
FBH1	ENSG0000	-0.12642	5.718003	-3.08429	0.006563	0.020888	-3.32569	5.843047	5.824908	5.854773	5.830775	6.010649	6.031491	5.661594	5.708593	5.663734	5.645844	5.667648	5.674636	5.829386	5.68869	5.787815	5.59328	5.549795	5.565205
RBM17	ENSG0000	-0.36044	5.892167	-5.74174	2.15E-05	0.00023	2.361688	6.412482	6.494017	6.569487	5.629907	5.726197	5.788972	5.943836	6.136086	5.88366	5.976711	5.973448	6.039056	5.43514	5.616464	5.565001	5.757061	5.782762	5.78729
ANKRD16	ENSG0000	0.230701	2.845716	2.752452	0.013354	0.036641	-3.3674	3.249862	3.370829	3.371944	3.456785	3.329147	3.18484	3.440463	3.335526	3.557782	2.558849	2.516115	2.682227	2.83289	2.700737	2.633039	2.901634	2.895091	2.81313
ECHDC3	ENSG0000	0.225265	2.448368	0.873215	0.394385	0.516005	-6.10405	3.300651	3.298545	3.104764	3.181227	3.170134	2.805104	2.806512	2.753138	2.915195	1.423238	2.032826	1.986992	3.057395	2.743101	2.730245	2.77004	2.447571	2.419973
IL15RA	ENSG0000	0.212539	3.241474	1.718733	0.103324	0.183291	-5.39758	3.756787	3.872022	3.897563	2.791417	3.053471	3.03415	3.490873	3.521314	3.771595	3.303547	3.126946	3.373604	2.892375	2.875953	3.032078	3.859998	3.800954	3.68882
CCNH	ENSG0000	-0.16097	5.560822	-1.83092	0.084215	0.156304	-5.67637	5.799565	5.952086	5.823902	5.640298	5.677752	5.674746	5.767627	5.943547	5.991568	5.445717	5.389075	5.589242	5.545796	5.491566	5.51326	5.228777	5.080907	5.11295
TMEM241	ENSG0000	-0.12898	3.305029	-1.37219	0.187361	0.28978	-5.9217	3.476616	3.370829	3.133821	2.97776	2.811499	3.069023	2.858632	3.462004	3.044176	3.792275	3.878373	3.712353	3.783794	3.759216	3.892464	3.768919	3.659719	3.707454
KCTD1	ENSG0000	-0.37379	4.561645	-2.83919	0.011108	0.031599	-3.57956	5.111261	5.372784	5.27123	4.938614	4.966263	5.068031	4.544628	4.428995	4.459769	4.242376	4.087306	4.201752	4.742532	4.596713	4.62479	4.302461	4.205799	4.101878
CABLES1	ENSG0000	-1.3382	3.318409	-5.79408	1.93E-05	0.000212	2.967636	5.397444	5.181722	5.248163	4.171485	3.988879	4.079806	3.747379	3.967564	3.572114	2.881509	2.632935	2.855308	2.995443	3.009215	2.930541	2.173627	2.006592	2.14716
EMP1	ENSG0000	-0.1741	5.700629	-1.07696	0.29614	0.415002	-6.90006	3.792713	3.777682	3.819232	1.74141	1.996426	2.098749	1.648695	1.809233	1.674905	9.235665	9.202634	9.220319	9.373952	9.440043	9.411145	9.214367	9.220457	9.245439
SOX5	ENSG0000	-0.05721	0.090106	-0.22474	0.82479	0.880093	-6.32707	0.216396	0.316291	0.106501	1.022291	0.625525	0.461789	0.106501	0.106501	0.39151	2.510897	2.546219	2.473063	3.652319	3.779712	3.445943	2.35157	2.813204	2.226823
RERG	ENSG0000	-0.00833	-1.2108	-0.02548	0.97996	0.986889	-6.06238	0.216396	0.106501	0.219246	0.395333	0.106501	0.3528	0.269385	0.106501	0.256032	1.278001	1.529011	1.562415	1.018891	1.393161	1.488568	1.250674	1.206659	1.626848
SPX	ENSG0000	1.532615	2.524482	3.757641	0.001505	0.006475	-0.99556	5.956277	6.009818	5.918779	6.862152	6.559313	6.761594	7.524033	7.484831	7.533861	0.781331	0.640699	0.499259	0.171976	0.190544	0.186984	0.686723	0.816175	0.93723
LRP4	ENSG0000	0.461081	0.450811	1.504062	0.150421	0.245243	-4.96816	1.069823	1.631689	1.202741	2.143217	2.299368	2.557474	2.058296	1.760835	1.01237	0.834246	0.89579	0.683459	1.018891	1.032323	0.862212	0.974502	0.924142	1.058313
DDB2	ENSG0000	-0.24017	4.148768	-1.95953	0.066197	0.129423	-5.09805	5.578142	5.564777	5.530827	4.971905	4.955466	5.015363	5.043928	5.237527	5.046897	3.463254	3.278101	3.613714	2.749557	2.938056	2.716753	3.623987	3.68296	3.56145
ACP2	ENSG0000	0.370194	4.982341	2.306615	0.033563	0.075817	-4.68242	4.645102	4.668265	4.66702	6.272761	6.358812	6.198283	5.173034	5.048863	5.150819	4.529864	4.463628	4.358889	5.036421	4.811013	5.178806	4.700972	4.656838	4.665927
RTL8C	ENSG0000	1.025774	6.348023	14.76251	2.63E-11	7.33E-09	16.21859	5.754732	5.827051	5.959925	7.253686	7.350349	7.203449	6.915871	6.695276	6.964447	5.1881	5.102956	5.263838	6.925933	6.813489	6.844411	6.265692	6.258044	6.050746
RBMX2	ENSG0000	-0.00947	4.872402	-0.12521	0.901785	0.93507	-7.1754	5.417718	5.208268	5.190556	4.707799	4.70778	4.788301	5.125963	5.206241	5.072328	4.772865	4.796672	4.781207	4.803198	4.657043	4.712374	4.802439	4.914163	4.950363
STK26	ENSG0000	0.140347	4.968088	2.71732	0.014382	0.038774	-3.98329	5.118357	5.10962	5.231457	4.845887	4.764552	4.604407	5.203583	5.314991	5.363523	4.99537	5.016893	5.049965	4.63635	4.827513	4.745971	5.210433	5.132464	5.109451
PUM1	ENSG0000	-0.06631	6.781839	-1.4574	0.162739	0.260613	-6.41309	6.634125	6.526025	6.684422	6.783082	6.810641	6.820342	6.729006	6.574465	6.61411	6.890512	6.968696	6.778607	7.085771	7.082493	7.109972	6.729001	6.713224	6.783075
SPOCD1	ENSG0000	-0.35656	2.164521	-2.23993	0.038357	0.084114	-4.35317	2.296082	2.068355	2.351095	1.791994	2.264801	1.840725	1.588238	1.760835	1.564539	3.322191	3.373534	3.619375	2.466086	2.250257	2.589286	3.236813	3.347011	3.228839
YARS1	ENSG0000	-0.06802	7.120098	-1.18526	0.251782	0.366173	-6.76832	8.102593	8.105016	8.102294	7.462312	7.322258	7.500295	8.130895	8.061291	8.071636	6.565216	6.541766	6.594014	6.208618	6.123609	6.168399	6.451913	6.424707	6.447035
PHC2	ENSG0000	0.137206	6.610017	1.740189	0.099403	0.177953	-6.00778	6.3789	6.26346	6.24766	5.910205	5.970993	5.988874	6.095427	6.068104	6.004837	7.077704	7.069303	7.081519	6.91701	6.913485	6.897697	7.454263	7.472873	7.460937
CDCA8	ENSG0000	0.072431	4.655037	0.426319	0.67508	0.766332	-7.13965	5.004246	5.018804	4.89628	4.161901	4.009905	3.91707	5.310366	5.314991	5.304656	5.604555	5.584869	5.709551	3.066031	2.888589	2.918805	5.513229	5.442675	5.483771
GNL2	ENSG0000	-0.06192	6.444929	-0.89698	0.38192	0.503721	-7.03049	5.928287	5.887846	5.953828	6.303597	6.317247	6.329914	6.002927	6.128954	5.99689	6.947913	6.924971	6.946749	6.816943	6.799338	6.797917	6.749792	6.725401	6.76762
AGO4	ENSG0000	0.119976	3.614096	1.674469	0.111838	0.194946	-5.54435	3.541402	3.494617	3.62825	3.661095	3.48743	3.584921	3.258446	3.564249	3.468658	3.838337	3.793073	3.769472	3.95166	4.034047	4.002193	4.057652	3.942484	4.108904
HOOK1	ENSG0000	-0.16504	2.255921	-1.82923	0.084479	0.15659	-5.55766	0.503316	0.316291	0.829201	0.635873	0.828511	0.563119	0.670238	0.253663	0.629397	5.970815	5.978976	5.91682	5.433472	5.579922	5.3633	5.763367	5.835567	5.762999
CYP2J2	ENSG0000	0.295427	-0.00011	1.924839	0.070683	0.136239	-4.99178	0.216396	0.215206	0.323815	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.340597	3.287042	3.38694	4.260913	4.190213	4.288734	3.7814	3.72088	3.611778
BTF3L4	ENSG0000	0.656079	6.245593	10.89152	3.25E-09	2.69E-07	11.32824	5.772833	5.675946	5.552509	6.054453	6.03393	6.146161	6.321164	6.427182	6.425703	6.092554	6.072443	6.041166	6.671006	6.783356	6.734058	6.611588	6.677029	6.691272
TUT4	ENSG0000	0.137126	5.361884	1.463609	0.161054	0.258495	-6.16837	5.272612	5.120143	5.241504	6.13504	6.11379	6.150238	5.506885	5.521547	5.515873	5.068969	5.181778	5.043664	5.306202	5.377412	5.410157	5.026064	5.033479	5.154286
PRPF38A	ENSG0000	-0.00276	6.020387	-0.06094	0.952098	0.969039	-7.40887	5.752454	5.725032	5.651273	5.420792	5.313527	5.401341	5.69064	5.851216	5.738712	6.542539	6.487528	6.621069	6.334592	6.347209	6.364998	6.524244	6.442973	6.58695
DSC2	ENSG0000	-0.18693	5.590931	-3.09794	0.006372	0.020395	-3.36467	3.87042	3.983805	3.871922	4.350907	4.376555	4.202668	3.904396	3.999201	3.856018	7.335154	7.388267	7.368332	7.234929	7.216952	7.237092	7.182156	7.074908	7.112485
RNF138	ENSG0000	-0.01706	4.729656	-0.31082	0.759614	0.831761	-7.15035	4.921476	4.747329	4.874926	4.236852	3.988879	4.264152	4.857993	4.922558	4.700591	5.088159	5.102956	5.210458	4.546627	4.67539	4.639165	5.09268	5.152027	5.133766
ELP2	ENSG0000	-0.33374	5.817881	-7.04433	1.69E-06	3.24E-05	4.9846	6.095825	6.200392	6.122779	5.901593	5.896744	5.977446	5.840713	5.758745	5.751363	5.828099	5.861181	5.832828	5.863229	5.842738	5.789427	5.516966	5.456227	5.661529
DTNA	ENSG0000	-0.01925	3.773558	-0.39719	0.696033	0.782553	-7.00483	2.392887	2.37994	2.326135	2.933382	2.970101	3.069023	2.513265	2.451551	2.501332	4.992463	5.137972	4.974681	5.675625	5.743628	5.711642	5.002269	5.015283	4.934632
FHOD3	ENSG0000	0.094578	4.352537	0.474275	0.641175	0.739095	-7.06081	3.43175	2.950996	2.99819	4.092964	3.923901	4.045196	3.747379	3.749274	3.373665	5.638424	5.662504	5.674636	4.595172	4.653345	4.595601	5.680829	5.504857	5.610463
TPGS2	ENSG0000	0.081947	5.913504	1.749234	0.097788	0.175748	-5.82822	6.203172	6.151641	6.113692	6.643705	6.640761	6.691987	6.179794	6.212301	6.21352	5.307527	5.342658	5.176304	5.983222	5.90936	5.975122	5.334197	5.467424	5.365554
DAGLA	ENSG0000	0.220316	3.883554	2.942927	0.008899	0.026483	-3.47037	2.296082	2.283367	2.492412	2.518519	2.991399	2.763128	2.102195	2.147141	1.777424	5.384942	5.329736	5.41143	6.240442	6.195291	6.211124	5.745959	5.716735	5.526375
TIMM10	ENSG0000	-0.23636	5.558944	-2.90108	0.009734	0.028491	-3.70957	6.00877	6.006041	5.99598	5.077635	5.208315	5.246196	5.55111	5.58894	5.616111	5.658737	5.645223	5.785781	5.472976	5.453801	5.469685	5.723497	5.541343	5.582975
DHX34	ENSG0000	-0.1675	5.543478	-3.24333	0.004647	0.015898	-2.98252	5.658224	5.605293	5.668751	5.591153	5.596688	5.363212	5.515028	5.458458	5.526952	5.725037	5.818649	5.769327	5.416688	5.423729	5.467673	5.687476	5.572787	5.489166
FADS2	ENSG0000	0.773427	3.944476	4.292872	0.000465	0.002545	-0.3141	3.719942	4.087546	3.745844	5.199754	5.124043	5.151751	4.883375	4.77806	4.807433	3.226465	3.339557	3.419749	3.381853	3.503965	3.335521	3.574643	3.772348	3.840032
TMEM258	ENSG0000	-0.01209	5.884251	-0.2835	0.780126	0.846006	-7.3436	5.636146	5.564777	5.636121	5.346585	5.454395	5.408166	5.56294	5.539589	5.497217	6.286596	6.328814	6.282357	6.239488	6.280458	6.328873	6.406303	6.239876	6.345106
TCN1	ENSG0000	-1.26362	-0.4057	-3.78526	0.001416	0.006168	-0.90881	4.088441	3.928996	3.906009	1.791994	1.864131	1.919272	3.027514	2.960209	3.162566	0.483018	0.462741	0.397516	0.106501	0.106501	0.186984	0.106501	0.19538	0.106501
TMEM165	ENSG0000	0.167529	6.477877	1.769911	0.094184	0.170563	-5.931	5.717835	5.734195	5.688471	6.398473	6.409139	6.415394	6.161755	6.138456	6.231692	6.938126	6.897502	6.944496	6.806028	6.90418	6.881917	6.871535	6.909892	6.867315
CLOCK	ENSG0000	0.199663	5.83128	3.912839	0.00107	0.00494	-1.58997	5.862195	5.73191	5.792357	5.521661	5.3917	5.547605	6.161755	6.068104	6.111723	5.986972	6.037105	5.890143	5.710474	5.748835	5.659706	6.114821	6.023291	6.076062
GGACT	ENSG0000	-0.23615	2.01596	-1.41513	0.174602	0.275035	-5.47398	2.568952	2.55562	2.933559	2.457149	2.193078	2.164723	2.26554	1.760835	2.274723	2.078238	2.249583	2.369387	2.343563	2.50126	2.574402	2.35157	2.274787	2.374055
COL4A2	ENSG0000	0.431237	1.488284	1.157947	0.262465	0.378369	-5.35315	6.493851	6.381882	6.511164	6.382055	6.645807	6.521493	6.895745	6.808236	6.923112	0.106501	0.106501	0.16959	0.352262	0.26996	0.263213	0.106501	0.19538	0.214669
CLDN10	ENSG0000	0.257335	0.857472	2.730763	0.01398	0.037919	-3.66329	0.318509	0.316291	0.219246	0.106501	0.25478	0.2349	0.415731	0.509405	0.629397	4.151473	4.190981	4.159641	3.794228	3.793216	3.68641	4.40281	4.38181	4.292899
DZIP1	ENSG0000	0.382785	-1.50135	0.893301	0.383831	0.50554	-5.45066	1.561356	1.420874	1.406977	2.633943	3.073582	2.784269	1.317361	1.901414	2.408535	0.190076	0.106501	0.106501	0.234608	0.106501	0.106501	0.106501	0.106501	0.106501
UBAC2	ENSG0000	0.164869	6.069133	2.940551	0.008945	0.02658	-3.6977	5.853716	5.90823	5.808216	5.869565	5.847955	5.897242	6.205178	6.095194	5.980865	6.027299	6.150456	6.211984	6.318418	6.36201	6.380055	6.282253	6.220153	6.225761
ARGLU1	ENSG0000	-0.00305	5.775743	-0.05738	0.95489	0.970855	-7.33374	5.891483	5.875476	5.819438	5.955291	5.882565	5.807161	5.794634	5.81612	5.895106	5.689578	5.78275	5.63047	5.828117	5.783078	5.84164	5.55199	5.894824	5.710849
BIVM	ENSG0000	0.016379	3.044518	0.179967	0.859248	0.905533	-6.69736	2.965042	3.128277	3.104764	3.503067	3.033076	3.391835	3.19904	3.302095	2.915195	3.216534	3.223257	3.149392	3.388755	3.495729	3.396027	3.324713	3.046116	3.107809
ERCC5	ENSG0000	-0.13446	2.321608	-1.10583	0.283791	0.401353	-5.91347	2.483604	2.636038	2.37563	2.518519	2.549605	2.719893	2.226405	2.255906	2.165532	2.427256	2.546219	2.671369	3.116795	3.203781	3.263113	2.554269	2.741225	2.326628
TPP2	ENSG0000	-0.09237	5.283528	-1.36242	0.190364	0.293468	-6.3357	5.1077	5.164879	5.022058	5.400559	5.33034	5.431804	5.038289	5.108097	5.036597	5.62347	5.608245	5.41143	5.487516	5.412836	5.384788	5.432436	5.408227	5.380146
POGLUT2	ENSG0000	0.155925	3.476853	1.266477	0.221961	0.331798	-5.98268	3.911847	3.628412	3.688245	4.281793	4.276	4.113606	4.045989	3.946081	3.832397	3.246125	3.322263	3.332842	3.116795	3.131201	2.976553	3.350072	3.347011	3.444131
CARS2	ENSG0000	0.218883	4.380607	2.839384	0.011104	0.031592	-3.57207	4.859306	4.574447	4.569365	4.851861	4.478119	4.586466	4.926746	4.802174	5.036597	3.950439	4.137605	4.253631	4.143408	4.045377	4.046009	4.245042	4.268595	4.370952
ARHGAP32	ENSG0000	-0.04787	5.950921	-0.56123	0.581767	0.687758	-7.18523	6.012583	5.979315	6.044605	6.33592	6.397219	6.492884	5.850398	5.606164	5.757647	5.783387	5.89081	5.665089	6.002473	5.984858	6.001789	5.90413	5.924377	5.91904
STT3A	ENSG0000	0.492002	7.744066	6.739604	3.00E-06	5.06E-05	4.197225	6.887715	6.859049	6.797698	7.400488	7.222215	7.382203	7.486223	7.466086	7.402674	8.200318	8.18059	8.166043	8.135975	8.073642	8.11595	8.598304	8.529863	8.623735
ETS1	ENSG0000	-0.32785	6.721099	-1.80232	0.088767	0.162424	-5.9313	7.30958	7.241315	7.206109	5.176143	5.33034	5.316813	6.281144	6.448347	6.427674	7.258577	7.234986	7.333027	6.888077	6.90418	6.838972	7.377213	7.332351	7.368827

SLC37A2	ENSG0000	0.306656	1.391348	2.50619	0.022345	0.054948	-4.18529	0.503316	0.499412	0.512639	0.395333	0.512209	0.461789	0.269385	0.253663	0.39151	4.902409	4.824575	4.950186	3.449427	3.614588	3.600863	5.353134	5.206502	5.167806
TMED7	ENSG0000	0.27055	7.099487	4.845573	0.000141	0.000993	0.32829	6.671992	6.664275	6.683194	7.178439	7.055276	7.163668	7.120503	7.163906	7.168059	7.167433	7.143179	7.098337	7.316366	7.366154	7.336926	7.165588	7.246562	7.278244
APC	ENSG0000	0.143186	5.224776	1.766225	0.094818	0.171447	-5.72783	5.030813	5.081176	5.152017	5.506594	5.367468	5.431804	5.590171	5.477302	5.504708	5.175339	5.296913	5.103452	5.190502	5.306201	5.292308	5.184823	4.984438	5.084719
NREP	ENSG0000	0.398983	4.686147	2.897898	0.0098	0.028644	-3.50984	3.975752	3.944869	3.81026	4.921675	5.003429	5.059385	4.737903	4.905964	4.837409	4.417313	4.566354	4.52189	5.634118	5.704857	5.663227	4.37013	4.637141	4.735671
WDR36	ENSG0000	-0.0538	6.742592	-1.44359	0.16654	0.265121	-6.44387	6.566989	6.644971	6.549409	6.416721	6.293865	6.435578	6.53044	6.59359	6.594935	7.120939	7.113955	7.111451	6.821413	6.86075	6.864433	6.967507	6.990495	7.142752
OSTF1	ENSG0000	-0.10069	5.202064	-0.59995	0.556237	0.666595	-7.06086	4.548594	4.527784	4.268949	5.601826	5.529116	5.619944	4.512454	4.62424	4.66091	5.684183	5.736174	5.848577	5.52402	5.618361	5.607658	5.522553	5.467424	5.50523
RFK	ENSG0000	2.544804	6.505621	8.413356	1.48E-07	4.84E-06	7.508451	5.528401	5.587707	5.584434	8.982375	8.836721	8.84971	8.838863	8.748627	8.862279	4.645413	4.609763	4.589777	5.675625	5.568187	5.607658	5.680829	5.697845	5.692259
UBQLN1	ENSG0000	0.158633	8.313877	4.9971	0.000102	0.000766	0.578034	8.55236	8.543614	8.542685	8.561771	8.534718	8.535887	8.774186	8.750564	8.788626	7.951373	7.95829	8.053994	7.960931	7.994749	7.989818	8.105378	8.075004	8.062315
NAA35	ENSG0000	0.010043	5.747095	0.113673	0.910793	0.941121	-7.34933	5.832299	5.738755	5.874275	5.325276	5.230876	5.349094	5.784566	5.871301	5.62645	5.813348	5.895203	5.872475	5.94861	6.062189	5.945062	5.908404	5.891503	5.979704
C9orf40	ENSG0000	-0.12587	3.764656	-0.9805	0.340215	0.461182	-6.4589	4.42241	4.395423	4.676925	3.863871	3.734793	3.510758	3.916741	4.397684	4.261781	3.889238	4.035189	4.194187	2.749557	2.671787	2.906973	4.189932	4.05364	3.984547
ANXA1	ENSG0000	-0.6177	9.52839	-3.90833	0.001081	0.004979	-1.90065	10.05625	10.0182	9.965803	8.688591	8.652209	8.637402	9.012461	9.095443	9.052865	9.992029	9.914555	9.903792	9.862371	9.910903	9.935134	9.598284	9.605328	9.648078
CTSL	ENSG0000	0.27116	8.720483	1.568052	0.134795	0.225259	-6.34848	10.03952	10.05375	9.997396	10.80265	10.6984	10.75633	10.48083	10.50527	10.49076	7.262203	7.178445	7.280406	6.594714	6.609161	6.642478	7.231885	7.21834	7.242753
CEMIP2	ENSG0000	0.259042	7.403199	2.02276	0.058672	0.117691	-5.56492	7.686606	7.683455	7.721203	8.275502	8.261515	8.277655	8.302411	8.202179	8.267103	6.967291	6.940639	6.856764	6.48467	6.491907	6.501083	6.862018	6.765868	6.887883
AGTPBP1	ENSG0000	0.358687	5.101242	1.621487	0.122813	0.209789	-5.84349	5.093368	5.256764	5.079193	6.402548	6.350594	6.452185	6.089987	6.109759	6.043926	4.557665	4.716207	4.671058	4.483553	4.557684	4.315833	4.083081	4.242761	4.216898
GOLM1	ENSG0000	0.208077	8.913332	1.808043	0.08784	0.161224	-6.04848	8.173714	8.16596	8.161696	9.424217	9.423982	9.4324	8.609519	8.671363	8.621679	9.011344	8.96634	8.993524	9.304826	9.320835	9.313127	8.937231	8.984037	8.982359
FAM189A2	ENSG0000	-0.49023	2.136313	-3.11586	0.006129	0.01985	-2.67105	1.681202	1.420874	1.453818	1.393812	1.498102	1.669505	0.983587	1.710758	1.445026	3.528929	3.547323	3.290894	4.460809	4.394504	4.472558	2.901634	3.022017	2.960231
PSAT1	ENSG0000	0.14657	8.002411	1.775003	0.093314	0.169179	-6.04707	8.996441	9.017005	8.971511	7.885617	7.8022	7.979607	9.30524	9.291579	9.258777	7.904201	7.826124	7.923095	6.078073	6.148776	6.180736	7.894992	7.822889	7.894585
ISCA1	ENSG0000	0.576446	6.076359	10.08292	1.05E-08	6.76E-07	10.16753	6.249151	6.155056	6.220828	6.628128	6.584058	6.516764	6.937237	6.996351	6.800647	5.326119	5.425972	5.356567	5.736406	5.788145	5.703115	5.829467	5.762906	5.780706
ADAM19	ENSG0000	1.142435	6.675232	3.900528	0.001099	0.005038	-1.69701	5.934331	5.99274	5.882858	7.496077	7.243452	7.294672	7.54903	7.386579	7.447093	6.512414	6.596738	6.585363	5.601813	5.453801	5.534564	7.337615	7.258858	7.348194
CCNJL	ENSG0000	0.318863	4.649526	6.026977	1.21E-05	0.000148	3.090998	3.710582	3.695626	3.83701	4.3081	4.343809	4.202668	3.976929	4.009594	4.05282	5.183009	5.203192	5.221665	5.622454	5.472807	5.467673	5.498185	5.539222	5.531613
TAOK3	ENSG0000	-0.39916	5.046923	-3.84705	0.001236	0.005552	-1.60908	5.227386	5.24399	5.22134	4.591236	4.537243	4.427589	4.825625	4.855002	4.687485	5.424305	5.4757	5.39832	5.414998	5.538426	5.51326	5.115041	5.033479	5.137206
USP30	ENSG0000	0.268469	4.007611	2.248871	0.037679	0.082981	-4.60455	4.42241	4.34846	4.167214	4.254996	4.301803	4.351728	4.702691	4.741115	4.726452	3.614613	3.470912	3.685623	4.046359	3.813238	4.051393	3.737235	3.467897	3.922098
FBXO21	ENSG0000	1.2505	6.250768	8.098762	2.54E-07	7.24E-06	6.913846	5.353017	5.615246	5.594921	7.419717	7.482199	7.469628	7.23584	7.121412	7.147867	5.387157	5.299125	5.285361	6.09294	6.0552	6.076316	6.164504	6.0111	6.106218
TBX3	ENSG0000	-0.51232	-0.49269	-2.3922	0.028226	0.065972	-3.53212	4.683882	4.527784	4.73022	3.727576	3.602632	3.584921	4.090259	4.009594	4.198517	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
OASL	ENSG0000	-0.08545	2.884821	-1.4659	0.160434	0.25782	-6.21121	1.561356	1.465573	1.499186	0.258133	0.512209	0.563119	1.160105	1.430416	1.314712	6.390731	6.477799	6.527836	4.709837	4.875912	4.79173	6.374733	6.439566	6.374554
RNFT2	ENSG0000	-0.07911	2.574734	-0.73805	0.470277	0.589955	-6.23444	3.487617	3.35903	3.544167	3.51817	3.48743	3.572823	3.423261	3.285084	3.323715	2.18395	2.303453	2.382761	1.973006	2.016959	2.220059	2.247458	2.233409	2.397196
P2RX4	ENSG0000	1.164045	4.046379	15.01887	1.99E-11	6.44E-09	16.33149	3.142584	3.085957	3.029452	4.803367	4.745876	4.668345	4.079318	3.935218	4.093134	3.367773	3.470912	3.526028	5.03202	4.941053	4.863891	4.533992	4.660745	4.637057
BICDL1	ENSG0000	-0.87707	2.423554	-3.05425	0.007003	0.021884	-2.61093	3.420312	3.516026	3.755225	3.325575	3.832443	3.548316	2.058296	1.710758	1.918715	2.14259	2.095243	2.021603	2.911671	2.850343	2.883013	2.26534	2.254246	2.252429
TRAFD1	ENSG0000	-0.2773	5.5265	-2.81485	0.011699	0.032962	-3.94892	5.346988	5.325066	5.366116	3.863871	3.923901	3.700636	5.178171	5.339915	5.102264	6.696948	6.683944	6.749221	5.884137	5.981913	5.899512	6.402268	6.357688	6.403414
DMTF1	ENSG0000	0.037904	5.107821	0.526386	0.605236	0.707691	-7.05928	5.197545	5.281977	5.152017	5.346585	5.176125	5.431804	5.238424	5.285358	5.121883	4.829349	4.908086	4.857431	5.331496	5.341097	5.40175	4.832737	4.993761	4.988957
TMEM243	ENSG0000	-0.00415	3.822034	-0.03935	0.969055	0.979925	-6.96822	3.465529	3.667203	3.408073	3.875646	3.832443	3.954853	3.617275	3.633086	3.586306	4.30464	4.327249	4.324649	3.894617	4.022628	4.029733	4.285035	4.353122	4.087723
CCDC146	ENSG0000	0.165781	0.266238	0.653881	0.5217	0.635908	-5.82917	1.286899	1.277811	0.898566	1.457877	1.164793	1.188496	1.074544	1.15884	1.171446	1.028404	0.799097	0.76743	1.755315	1.710321	1.639204	0.930351	1.2488	0.805046
TMEM60	ENSG0000	0.114564	3.829298	1.084078	0.293059	0.411674	-6.26548	3.911847	3.838426	3.607684	4.687901	4.551652	4.72957	4.264577	4.030158	3.733845	3.488234	3.748453	3.526028	3.979357	4.016884	3.951255	3.595997	3.603991	3.55117
CD36	ENSG0000	-0.18668	0.487681	-0.97685	0.341971	0.462862	-5.56119	2.345296	2.49222	2.300736	2.457149	2.155834	2.029614	2.303642	2.389238	2.005764	0.834246	0.748206	0.726056	0.656707	0.484926	0.404558	0.63264	0.759002	0.659518
PNPLA8	ENSG0000	0.299009	4.618005	2.357903	0.030262	0.069598	-4.48817	4.102823	4.262405	4.034833	5.85774	5.856685	5.867836	4.7858	4.971227	4.831463	4.177304	4.132653	4.071539	5.081845	5.154897	5.148978	3.934535	4.023613	4.014786
HILPDA	ENSG0000	-0.15093	3.970878	-1.0808	0.294473	0.413057	-6.42538	3.911847	3.991467	4.003689	4.041626	3.759832	4.027574	3.19904	3.384264	3.271973	4.493314	4.479316	4.53991	4.147483	3.987816	4.109334	4.54135	4.683969	4.641909
RINT1	ENSG0000	-0.04903	5.168668	-0.73185	0.473959	0.593277	-6.97088	4.945613	4.965333	4.835673	5.272812	5.124043	5.238557	5.026946	4.877874	4.801363	5.447841	5.411735	5.533372	5.370368	5.303845	5.449434	5.382106	5.394214	5.40033
SRPK2	ENSG0000	0.218106	5.719768	4.558068	0.000261	0.0016	-0.11304	5.71081	5.885792	5.83942	6.254839	6.254768	6.267477	6.040078	6.058125	6.033605	5.264796	5.26106	5.342946	5.509846	5.703069	5.583703	5.47532	5.422105	5.567757
TES	ENSG0000	-0.36265	6.917256	-2.47639	0.02376	0.0577	-4.72689	6.964535	6.969865	7.012401	6.248061	6.219102	6.313648	6.195078	6.063123	6.054173	7.26642	7.260178	7.252448	7.709573	7.686425	7.705555	7.271135	7.301401	7.256264
MDFIC	ENSG0000	0.058955	4.591932	0.804836	0.431727	0.552925	-6.81067	4.186225	4.164126	3.979882	4.400654	4.343809	4.379778	4.235306	4.497055	4.467457	4.864753	5.016893	4.86698	5.212064	5.306201	5.31263	4.9115	4.847164	4.793504
MTO1	ENSG0000	-0.14042	4.831658	-2.49981	0.022641	0.055494	-4.38001	4.735558	4.847837	4.857612	4.821743	4.701332	4.869675	4.799197	4.630987	4.700591	5.117808	5.133021	5.187779	4.876225	4.804359	4.85468	5.002269	4.933671	5.026544
ADGRB3	ENSG0000	0.382031	-0.29095	0.568677	0.57681	0.683998	-5.72896	2.137484	2.332462	1.921989	4.272916	3.956756	4.30129	2.446718	2.623806	2.087859	0.269074	0.524532	0.106501	0.171976	0.190544	0.106501	0.257084	0.19538	0.497646
ANKRD6	ENSG0000	-0.09099	2.90154	-0.23668	0.815656	0.873685	-6.45182	3.443098	3.537122	3.477724	5.881294	5.769991	5.716587	2.884002	3.711575	3.389938	1.787595	2.212518	2.038602	2.314863	2.190279	2.497588	2.034568	1.981819	1.973284
HTR1B	ENSG0000	0.168243	-1.34086	0.700204	0.493016	0.610392	-5.63895	2.526909	2.258179	2.812981	2.518519	2.549605	2.924168	2.303642	2.728183	2.869505	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
KHDC1	ENSG0000	-0.13934	1.718266	-0.96529	0.347564	0.468777	-6.00193	1.755904	1.631689	1.585853	1.688986	1.953662	2.064596	1.588238	1.760835	1.620777	2.906434	2.741	2.569785	2.178139	2.433888	2.220059	2.432936	2.634012	2.610232
CEP162	ENSG0000	0.127838	2.287015	0.719823	0.48115	0.600089	-6.17457	1.990546	2.425906	2.399755	3.791129	3.151334	3.18484	2.667326	2.801791	2.697131	2.30136	2.303453	2.213454	2.717023	2.811056	2.743612	1.926335	1.981819	2.326628
SYNCRIP	ENSG0000	0.167311	7.876184	3.122674	0.006039	0.019625	-3.48692	7.707342	7.720236	7.704957	7.810928	7.776359	7.864595	8.002855	7.99941	7.941751	8.020072	8.011184	7.955342	7.673997	7.767336	7.72506	8.057753	8.028134	8.118658
SNX14	ENSG0000	-0.08011	5.490625	-1.27441	0.219202	0.328434	-6.44694	6.044597	5.898074	5.972044	5.740289	5.836231	5.830214	5.958837	5.986272	5.839908	5.180457	5.051412	5.221665	5.298892	5.238714	5.208029	5.007591	5.012228	5.119922
NT5E	ENSG0000	0.56014	7.465527	5.145057	7.43E-05	0.000601	0.920304	6.206505	6.104721	6.147923	6.762618	6.644126	6.680757	6.828732	6.683964	6.76989	8.350911	8.354413	8.340249	8.008474	8.036156	8.031964	8.855847	8.848437	8.9118
MRAP2	ENSG0000	1.215015	-1.23177	3.751809	0.001525	0.006544	-0.97496	1.990546	1.978677	1.853768	2.740812	2.787348	3.051692	3.027514	3.3682	3.181386	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
EPHA7	ENSG0000	-0.07745	-1.38233	-0.18072	0.858663	0.905049	-6.01881	0.106501	0.106501	0.106501	0.635873	0.106501	0.3528	0.269385	0.106501	0.256032	1.555182	1.8028	1.538714	1.154653	1.2438	1.08859	1.058946	1.329561	1.170016
AKIRIN2	ENSG0000	-0.23041	5.38012	-3.10583	0.006264	0.020157	-3.23321	6.057576	6.127503	6.126398	5.400559	5.176125	5.238557	5.757368	5.767957	5.942765	5.29814	5.240494	5.285361	4.902986	4.907298	4.964358	5.170659	5.057388	5.084719
ORC3	ENSG0000	-0.29528	4.54793	-3.36051	0.003598	0.012938	-2.55593	5.071598	5.120143	4.921495	4.448742	4.43213	4.372816	4.445869	4.482206	4.404775	4.832603	4.555295	4.850228	4.268416	4.372183	4.342433	4.598895	4.76606	4.7174
LCA5	ENSG0000	-0.2729	1.567553	-1.40592	0.177276	0.278292	-5.41826	1.336422	1.173893	1.202741	2.021307	2.633282	2.196611	0.670238	1.231675	1.244857	2.282443	2.674414	2.447834	2.968056	3.348006	3.116699	2.384669	2.233409	2.200755
MAP3K7	ENSG0000	-0.14789	5.447842	-2.83229	0.011273	0.031964	-3.76515	6.110133	6.22335	6.128204	6.082665	5.976344	6.079314	5.967764	5.940834	5.937239	4.951137	4.860959	4.904554	4.933985	5.071461	5.066284	4.905811	4.787661	4.793504
PRR5L	ENSG0000	0.437507	1.854118	0.866034	0.398204	0.519714	-5.63117	6.106569	6.178742	6.122779	7.682748	7.683722	7.636582	6.568102	6.588399	6.530339	0.190076	0.185134	0.449284	0.294634	0.106501	0.106501	0.257084	0.358227	0.409347
PHF21A	ENSG0000	0.087337	3.458707	1.080469	0.294617	0.413219	-6.15705	3.84498	3.952741	3.863273	4.472198	4.040879	4.256608	3.953155	4.019913	4.05282	3.013555	3.076267	2.957162	3.332595	3.393046	3.353069	2.935534	3.034117	3.189613
NAT10	ENSG0000	-0.38456	6.607413	-7.2306	1.19E-06	2.46E-05	5.244519	7.149082	7.150976	7.165352	6.466234	6.51404	6.557242	6.614311	6.59704	6.541308	6.755564	6.672048	6.693963	6.321126	6.252624	6.271199	6.501792	6.513809	6.474494
EHF	ENSG0000	0.114705	2.893987	1.125187	0.275725	0.393024	-6.4494	1.475543	1.915637	1.406977	1.104644	1.2379	1.422231	0.886508	1.605065	1.0941	4.880563	5.130539	4.98568	5.471352	5.672341	5.60033	5.191852	5.138081	5.187851
PRRG4	ENSG0000	0.014284	2.38073	0.146761	0.885001	0.923448	-6.94087	1.12723	1.061904	1.706811	1.256461	1.006428	1.475193	1.160105	1.082132	0.629397	4.497421	4.490971	4.53991	4.574134	4.693507	4.691833	4.519164	4.695442	4.536426
CAPRIN1	ENSG0000	0.026727	8.385305	1.071501	0.298518	0.417333	-7.00473	8.569935	8.573596	8.583737	8.711356	8.654714	8.70201	8.60046	8.565276	8.597797	8.127987	8.105498	8.088583	8.220607	8.241273	8.229562	8.146665	8.115781	8.182072
ATP5MC2	ENSG0000	0.000637	8.005795	0.013476	0.9894	0.993211	-7.54923	8.541513	8.546868	8.506691	8.670116	8.678709	8.626834	8.619465	8.623107	8.685282	7.395819	7.331057	7.424376	7.587407	7.596859	7.582173	7.243773	7.281873	7.276685
DNAJC14	ENSG0000	-0.15366	5.329695	-2.99189	0.00801	0.024332	-3.45937	5.482394	5.661609	5.541709	5.487537	5.36339	5.506852	5.559008	5.484771	5.537947	5.393783	5.285805	5.380097	5.227545	5.196144	5.166452	5.129758	5.030462	5.164438
CD63	ENSG0000	0.228322	8.62875	2.019359	0.059056	0.118303	-5.66229	8.752043	8.794448	8.764143	9.598422	9.623883	9.564668	9.121137	9.1091	9.200289	8.121349	8.050112	8.105067	8.009314	8.042884	8.043156	8.170288	8.136973	8.183736
GDF11	ENSG0000	0.878568	3.555917	4.380204	0.000384	0.002185	-0.09516	2.483604	2.61635	2.558197	4.525489	4.1009	4.386706	3.891945	3.868266	3.913431	3.446357	3.633975	3.513924	3.741287	3.852467	3.991027	3.967679	3.961615	3.961444
GLS2	ENSG0000	-0.24648	0.111942	-1.10026	0.286142	0.403797	-5.65619	0.882475	1.173893	1.028027	0.52061	0.389229	0.3528	0.415731	0.824004	0.39151	1.814181	2.095243	1.820066	1.776519	1.120667	1.355599	1.903678	2.078458	1.910335
ITGA7	ENSG0000	-0.53115	0.618666	-1.55401	0.138102	0.229529	-4.95986	1.602421	1.508929	1.921989	2.181668	2.155834	2.098749	0.782422	1.549165	1.38134	1.555182	1.369793	1.158083	1.054048	0.671977	0.910419	1.099384	0.975239	1.416439
BLOC1S1	ENSG0000	-0.38488	1.979669	-2.3224	0.032513	0.073799	-3.98299	2.609804	2.748839	2.423483	2.791417	2.85862	2.429135	2.667326	2.511284	2.274723	2.527059	2.267764	2.055402	1.916818	2.23054	2.220059	1.992244	1.513652	1.877799
CDK4	ENSG0000	-0.13163	7.535344	-4.3533	0.000408	0.002288	-0.79596	7.453996	7.460745	7.481587	6.988173	7.05654	7.094475	7.294962	7.327574	7.369207	8.013993	7.992857	8.040081	7.490481	7.571123	7.48703	7.892118	7.875532	7.893568
TROAP	ENSG0000	0.467631	3.632752	1.98889	0.062601	0.123889	-5.08478	4.10996	4.094678	3.947516	3.425084	3.747367	3.655458	4.877071	4.944392	4.923769	4.261822	4.195737	4.24267	1.776519	1.819936	1.722572	4.147172	4.357943	4.037057
TSPAN31	ENSG0000	0.119195	5.478728	1.175951	0.255384	0.370183	-6.56328	5.362012	5.444322	5.576519	5.794018	5.641162	5.817452	5.465469	5.714958	5.62645	5.060666	5.102956	5.115519	5.992313	5.971557	5.945062	5.110102	5.256415	5.230349
B4GALNT1	ENSG0000	0.379573	2.332515	1.378192	0.185533	0.287709	-5.19343	5.970071	5.959918	5.994	6.600012	6.722639	6.707287	6.404611	6.310139	6.30432	0.483018	0.524532	0.397516	0.294634	0.416769	0.263213	0.738851	0.433238	0.734116
TFCP2	ENSG0000	-0.11635	5.950276	-2.92014	0.009344	0.027561	-3.71889	6.134836	6.160165	6.149702	5.955291	5.842105	5.889947	5.943836	6.097632	5.983548	6.058212	6.014403	6.097004	5.780368	5.743628	5.811809	6.062088	5.908034	5.904981
COQ10A	ENSG0000	-0.35927	4.236419	-3.85843	0.001206	0.005437	-1.35305	5.060589	4.999934	4.954444	4.525489	4.594038	4.480358	4.825625	4.894793	4.860948	4.054455	4.251617	4.071539	3.830164	3.921728	3.707028	3.485915	3.636099	3.591857
PAN2	ENSG0000	-0.37405	4.884266	-3.25615	0.004519	0.015514	-2.78923	5.663084	5.520446	5.764758	5.092847	5.039662	5.131272	5.582443	5.372491	5.493457	4.782995	4.758608	4.60982	4.653644	4.425185	4.577054	4.249541	4.123255	4.037057
ESPL1	ENSG0000	0.165656	3.463765	0.75377	0.461022	0.58152	-6.58188	3.85351	3.863696	3.93931	3.70135	3.808643	3.733615	4.057185	4.138304	3.979442	4.003384	3.780465	3.863099	2.062048	2.016959	2.276326	3.906321	3.974229	4.129778
KRT7	ENSG0000	-0.23006	9.00475	-2.19661	0.041802	0.090155	-5.43961	7.546333	7.401587	7.494946	7.267158	7.435371	7.245024	6.629391	6.651149	6.683414	10.74818	10.64992	10.72958	11.0911	11.09588	11.12004	10.7881	10.80197	10.81056
ZC3H10	ENSG0000	0.175136	3.59565	1.366912	0.188979	0.291591	-5.88152	3.300651	3.494617	3.511328	4.254996	4.267295	4.34463	4.111894	3.967564	4.032233	3.584041	3.494263	3.45816	3.746669	3.695921	3.831176	3.407564	3.2466	3.176297
HNRNPA1	ENSG0000	0.066841	9.870471	1.572707	0.133713	0.223688	-6.47249	10.09262	10.07667	9.999247	9.845753	9.806954	9.82876	10.17683	10.29353	10.24512	9.826517	9.790849	9.760183	9.545017	9.576623	9.584579	9.685746	9.764148	9.79838
ACVR1B	ENSG0000	-0.11867	4.891117	-2.28924	0.034756	0.07792	-4.75245	5.1077	5.011285	5.11242	5.147291	5.244245	5.242382	4.832157	4.933517	4.860948	4.835851	4.761819	4.77868	4.971246	4.817636	5.047545	4.768358	4.687803	4.775955
OS9	ENSG0000	0.341304	8.246474	12.42535	4.17E-10	6.06E-08	13.33714	8.083231	8.112062	8.111453	8.889969	8.934461	8.970487	8.477204	8.452193	8.493881	7.683147	7.599947	7.631831	8.425992	8.416195	8.406482	7.93883	7.936832	7.964518
LTV1	ENSG0000	-0.08711	4.607605	-1.12976	0.273843	0.390777	-6.45821	5.146396	5.300601	5.328907	4.674482	4.580048	4.610338	5.071794	5.233099	5.313214	4.455814	4.335892	4.50975	4.118714	4.1851	4.213876	4.267397	4.313961	4.4056
MAP7	ENSG0000	0.050905	6.802465	0.516385	0.612057	0.713557	-7.22681	7.95583	8.008717	7.988091	8.582575	8.566109	8.6125	8.184843	8.05315	8.071005	5.411303	5.473744	5.503074	5.441792	5.455925	5.287753	5.406484	5.462956	5.344873
CD164	ENSG0000	0.42514	7.825662	2.651724	0.016508	0.043198	-4.43159	7.233196	7.191457	7.267214	8.728502	8.613669	8.676089	8.030808	8.02589	8.015056	7.650323	7.602635	7.605691	7.76367	7.754018	7.758366	7.656669	7.708165	7.704177
AFG1L	ENSG0000	-0.20151	1.486725	-1.55748	0.137278	0.228498	-5.1461	2.369288	2.308123	2.326135	2.143217	1.768674	2.258349	2.186178	2.184314	1.962896	1.646779	2.032826	1.896649	1.689764	1.495836	1.550722	1.880661	1.707432	1.703111
NHSL1	ENSG0000	0.69104	4.594891	3.722428	0.001626	0.006867	-1.6494	5.160214	5.221361	5.169662	5.772136	5.927456	5.911724	6.281144	6.234624	6.282695	3.666603	3.860515	3.728156	3.436163	3.487446	3.317756	3.6717	3.385297	3.650813
AHI1	ENSG0000	0.162581	3.474735	1.391647	0.181488	0.283299	-5.70381	4.179456	4.324392	4.153091	5.26388	5.342823	5.363212	4.437325	4.467202	4.459769	2.47802	2.485369	2.435052	2.83289	3.054776	3.010124	2.479639	2.169028	2.649309
PKIB	ENSG0000	0.32582	2.354005	1.852668	0.080894	0.151771	-5.3323	1.069823	0.661886	0.756332	1.634586	1.164793	2.317553	0.670238	0.824004	0.629397	4.806358	4.777766	4.77868	4.379991	4.420842	4.464508	5.194188	5.075063	5.154286
SMPD2	ENSG0000	0.239293	2.988386	2.289607	0.03473	0.077875	-4.28281	3.17016	3.235413	3.044832	3.472378	3.630051	3.459109	3.457463	2.981485	3.064594	2.558849	2.766797	2.86487	3.288992	3.428092	3.335521	3.143207	3.160915	2.975687
MICAL1	ENSG0000	0.192906	2.929403	1.055398	0.305614	0.424898	-6.01004	3.325391	3.335139	3.119366	3.753334	4.167908	4.009735	2.806512	3.141256	3.323715	2.204194	1.967585	2.243088	3.746669	3.688714	3.734067	2.554269	2.649824	2.649309
REPS1	ENSG0000	0.022501	5.543194	0.413382	0.684355	0.774146	-7.20748	5.849458	5.877545	5.799175	5.640298	5.47722	5.608136	5.904087	5.833775	5.767022	5.391578	5.34694	5.373413	5.421744	5.436694	5.354615	5.378002	5.453977	5.43987
STX11	ENSG0000	-0.37763	1.398038	-0.87075	0.395691	0.517191	-5.78164	3.011517	3.209365	2.966237	2.577385	2.904251	2.885561	2.779728	2.540248	3.084728	0.609835	1.029669	1.061592	1.973006	2.23054	1.695314	1.13872	0.69947	0.409347
TEC	ENSG0000	-0.02358	2.769523	-0.23279	0.81863	0.875619	-6.67757	2.949211	2.836538	3.06005	2.605941	2.490996	2.5075	2.884002	2.728183	2.616448	3.145032	3.096753	3.195594	3.205461	3.292034	3.234995	3.113899	3.149837	3.477085
PRADC1	ENSG0000	0.341004	3.079778	1.946212	0.067888	0.131914	-4.97217	2.483604	2.332462	2.351095	3.533117	3.616407	3.306732	3.158032	3.196885	3.064594	3.496465	3.524821	3.636224	3.339736	3.329589	3.445943	3.644629	3.667508	3.466183
SEMA4F	ENSG0000	-0.04765	4.011081	-0.6143	0.546933	0.657936	-6.72813	4.538049	4.360345	4.307715	4.687901	4.507984	4.440963	4.19533	4.184903	4.170531	3.681119	3.799336	3.647349	3.970183	3.952144	3.962731	3.917673	3.675254	3.856822
CCT7	ENSG0000	-0.13728	9.107621	-3.20732	0.005026	0.016942	-3.38717	9.392237	9.383986	9.354487	8.823512	8.8085	8.805157	9.197746	9.241203	9.234483	9.271031	9.173246	9.216356	8.937068	8.919844	8.933625	9.110924	9.084537	9.098317
RAB11FIP5	ENSG0000	0.017958	5.091778	0.186986	0.853825	0.901538	-7.17465	5.544295	5.407565	5.399401	5.487537	5.687572	5.513197	5.183289	5.178875	5.107194	4.724629	4.699561	4.755733	4.907798	5.02357	4.742646	5.067422	4.949728	5.06679
SMYD5	ENSG0000	-0.21786	6.394162	-3.70562	0.001687	0.007071	-2.09253	6.928656	6.982416	6.854442	6.371699	6.415061	6.297196	6.635005	6.524609	6.605426	6.408288	6.213955	6.321081	6.137669	6.069144	6.017005	6.235393	6.132834	6.268742
DYSF	ENSG0000	0.274401	2.665622	1.189505	0.25015	0.364452	-6.12389	2.080492	2.448351	1.987129	1.519216	1.612488	1.623325	1.70672	1.605065	1.674905	3.246125	3.668598	3.419749	5.19838	5.123169	5.050237	3.912008	3.910024	3.716682
CCDC142	ENSG0000	0.454784	3.815315	7.69246	5.17E-07	1.28E-05	6.422881	3.249862	3.248262	3.322321	3.688057	3.912781	3.59692	3.690999	3.711575	3.60036	3.864012	4.087306	3.982106	4.483553	4.394504	4.527685	4.454386	4.395944	4.38838
KCNMB4	ENSG0000	1.2401	2.853572	5.63038	2.70E-05	0.000271	2.658963	1.791852	1.631689	1.706811	3.863871	3.6964	3.868406	3.507292	3.564249	3.513908	2.47802	2.804649	2.806521	3.46257	3.552417	3.509921	3.245848	3.046116	3.387478
USP15	ENSG0000	0.098613	5.986155	1.725024	0.10216	0.18177	-5.91019	6.224702	6.386249	6.252636	6.173706	6.094235	6.25428	6.560254	6.455968	6.40983	5.676959	5.694779	5.681416	5.699414	5.759194	5.765055	5.675823	5.718611	5.699258
GNS	ENSG0000	0.068012	8.225505	0.949417	0.355353	0.476716	-7.08629	8.758586	8.759814	8.742493	9.442145	9.339564	9.430515	9.06713	9.087493	9.049027	7.28198	7.415024	7.275485	7.733151	7.742753	7.721687	7.130041	7.103897	7.086027
CPM	ENSG0000	-0.26178	2.280326	-2.17893	0.043288	0.092631	-4.38507	2.27083	2.534795	2.446827	2.255624	2.155834	2.374422	2.102195	2.069791	2.202855	2.894025	2.792142	2.682227	3.108457	3.253475	3.281558	2.597261	2.755911	2.442395
MDM2	ENSG0000	0.088652	6.660914	0.975891	0.342433	0.463311	-6.86012	8.36707	8.505658	8.477235	7.990866	7.766355	7.805721	8.453569	8.444553	8.393544	4.98955	5.05665	5.026725	5.038617	5.093459	5.039439	5.271431	5.339201	5.277879
KLHL36	ENSG0000	0.023841	5.493601	0.303764	0.764894	0.835395	-7.26785	5.275788	5.158086	5.244837	5.05192	5.128856	5.114677	5.060712	5.268148	5.22526	5.707417	5.818649	5.647191	6.111833	6.191472	6.117969	5.826459	5.735381	5.809023
MPHOSPH	ENSG0000	-0.09186	4.431111	-1.24435	0.229799	0.340657	-6.3252	4.693417	4.609725	4.531653	4.502891	4.310303	4.414089	4.487843	4.576102	4.490278	4.71408	4.748933	4.729802	4.122859	4.016884	4.114488	4.598895	4.621188	4.708177
KIAA0513	ENSG0000	0.304008	3.481256	2.32337	0.03245	0.073701	-4.40618	2.965042	2.513665	2.966237	3.791129	3.820593	3.700636	3.440463	3.40015	3.306673	3.818776	3.942027	3.743789	4.063713	3.987816	3.793113	4.000079	3.896833	3.930053
DYNC1LI2	ENSG0000	0.060104	8.038234	2.093691	0.051156	0.105626	-5.50909	8.184318	8.17944	8.190073	8.225769	8.165818	8.212375	8.275703	8.30174	8.287333	7.877269	7.845168	7.823321	7.835519	7.908967	7.877592	7.846815	7.857346	7.896616
FBXL8	ENSG0000	-0.08782	1.642504	-0.70007	0.493096	0.610392	-6.06871	1.755904	1.81559	2.018628	2.325974	2.549605	2.429135	1.867984	2.069791	1.777424	1.814181	2.174476	1.800268	2.479079	2.48471	2.465679	1.734264	1.67689	1.942153
FHOD1	ENSG0000	0.254838	5.870759	2.059291	0.054684	0.111235	-5.34451	6.145295	6.052567	6.1372	6.34865	6.474882	6.231372	6.244885	6.150246	6.19974	5.501993	5.624209	5.580563	5.261781	5.191052	5.087406	6.044073	5.898138	5.975866
CCDC102A	ENSG0000	0.44893	2.992349	2.886353	0.010045	0.029192	-3.10127	2.833249	3.128277	3.06005	3.921807	4.186495	3.643939	3.027514	3.063581	3.023464	2.204194	2.485369	2.693003	3.526548	3.576046	3.517722	3.341669	3.225651	2.778299
SLC9A5	ENSG0000	-0.5654	1.257089	-4.56409	0.000258	0.001586	0.600966	2.568952	2.534795	2.492412	2.021307	1.437317	1.623325	2.102195	1.988058	2.005764	1.814181	1.945166	1.858866	1.248697	1.077171	1.17005	1.482378	1.442809	1.703111
PCNX2	ENSG0000	-0.09425	4.301726	-0.60508	0.552899	0.663208	-6.83378	4.753899	4.715296	4.73022	4.59836	4.462952	4.580436	4.034706	3.90213	3.968647	4.098381	4.10258	3.872611	4.621778	4.638459	4.468538	4.46216	4.405289	4.370952
KCNK1	ENSG0000	-0.50363	4.466406	-4.0247	0.000837	0.004057	-1.04421	5.135946	5.08834	5.176661	5.0571	5.094821	4.992837	4.274204	4.290959	4.22597	4.281009	4.357275	4.491347	4.135224	4.250194	4.01878	4.249541	4.247965	4.261717
URB2	ENSG0000	-0.07458	6.164247	-1.50588	0.149958	0.244604	-6.28947	6.572167	6.476378	6.500048	5.733834	5.882565	5.820014	6.477256	6.387886	6.361138	6.304287	6.211608	6.320212	5.895085	5.852446	5.822871	6.235393	6.206853	6.275002
EGLN1	ENSG0000	0.473348	6.003597	4.639074	0.000219	0.001391	0.0359	6.546092	6.584192	6.502835	6.847279	6.774239	6.711432	6.788993	6.904661	6.782272	5.082702	5.22894	5.123508	4.948071	5.188499	5.036727	5.800633	5.840742	5.849434
CAPN9	ENSG0000	-0.57418	1.221351	-3.19454	0.005167	0.017321	-2.41849	0.882475	1.173893	1.585853	0.742604	0.730585	0.657796	0.548589	0.622068	0.256032	3.165825	3.269103	3.232997	3.611602	3.629721	3.700188	2.831347	2.908298	2.928814
COG2	ENSG0000	0.006515	6.191589	0.108327	0.91497	0.943606	-7.37164	6.523553	6.499401	6.47472	6.470122	6.534135	6.558776	6.56222	6.609051	6.69	5.786747	5.939825	5.858184	5.967173	6.026902	6.059045	5.717014	5.868037	5.680517
ABCB10	ENSG0000	0.417063	5.382658	2.782264	0.012537	0.034902	-3.83219	5.985675	5.983164	6.001902	6.147234	6.261358	6.278694	6.810654	6.900479	6.808235	4.796392	4.620414	4.771071	4.290695	4.264807	4.359898	4.500412	4.455636	4.439435
NTPCR	ENSG0000	-0.4807	5.529314	-8.38372	1.56E-07	5.07E-06	7.502097	6.75287	6.823	6.701506	6.430757	6.44045	6.405195	6.23506	6.201009	6.171778	4.85838	4.722812	4.850228	4.816056	4.729072	4.698713	4.522885	4.473517	4.394143
TAF5L	ENSG0000	-0.05271	5.956691	-0.91083	0.374775	0.497198	-6.93617	6.4453	6.288557	6.317392	5.988204	5.899563	5.988874	6.371361	6.41355	6.37551	5.927333	5.732906	5.901803	5.672801	5.566222	5.61313	5.744367	5.770158	5.642288
GLUL	ENSG0000	-0.47723	5.612087	-5.47163	3.75E-05	0.000355	1.762578	4.02189	3.855322	3.755225	3.57705	3.722109	3.776446	3.555458	3.736817	3.513908	7.620036	7.630565	7.569233	8.147211	8.147787	8.158986	7.032907	7.158804	7.162302
STX6	ENSG0000	0.178551	6.120196	4.049215	0.000793	0.003879	-1.30808	6.012583	6.125763	6.057932	6.243524	6.219102	6.229446	6.419869	6.310139	6.325625	5.97524	6.106936	6.022062	6.101368	6.046769	6.004567	6.152543	6.087109	6.107972
RNASEL	ENSG0000	0.068296	4.183166	0.626884	0.538838	0.650754	-6.74447	4.333741	4.484999	4.363979	4.898777	4.675247	4.869675	4.819063	4.664259	4.837409	3.805587	3.958911	3.824415	4.055062	4.274468	4.114488	3.595997	3.494411	3.744016
DHX9	ENSG0000	0.217526	8.659288	3.919693	0.001054	0.00488	-1.8119	8.659003	8.656062	8.671194	8.557208	8.490993	8.613977	9.100994	9.067736	9.09659	8.702896	8.669795	8.646567	8.299175	8.307761	8.316825	8.71045	8.662437	8.704802
KIAA1614	ENSG0000	0.970108	-0.15354	3.086301	0.006534	0.020816	-2.24665	1.384302	1.277811	1.406977	1.791994	1.612488	1.669505	2.637802	2.481727	2.127218	0.34397	0.583785	0.594297	0.352262	0.550009	0.470356	0.63264	0.433238	0.315289
CEP350	ENSG0000	0.138012	6.537494	1.832019	0.084045	0.156049	-5.82195	6.44671	6.473645	6.460454	6.737027	6.637387	6.83181	6.800697	6.79778	6.873342	6.48061	6.657469	6.285031	6.399246	6.503249	6.370394	6.384993	6.376817	6.44842
NPL	ENSG0000	-1.01752	1.471195	-4.78907	0.000159	0.001091	1.068738	4.516725	4.406929	4.641955	3.562554	2.787348	2.961768	3.474265	3.477062	3.721038	0.834246	1.029669	1.333627	0.656707	0.671977	0.470356	0.686723	0.637375	0.659518

NIBAN1	ENSG0000	0.005494	4.990581	0.041731	0.967186	0.978629	-7.12935	5.501516	5.404699	5.522611	6.064776	5.856685	6.055601	5.473848	5.7022	5.602211	4.596474	4.570022	4.518865	4.191564	4.298341	4.139984	4.374256	4.293974	4.59264
PIGC	ENSG0000	-0.19362	5.688935	-2.96409	0.008504	0.025585	-3.56486	5.696657	5.79457	5.671231	6.067345	6.049244	6.208094	5.36994	5.431657	5.534291	5.593087	5.636504	5.738449	5.854531	5.776294	5.884506	5.459873	5.482955	5.673426
LAMC1	ENSG0000	0.064261	9.804485	0.90386	0.378359	0.50056	-7.21619	11.44037	11.46983	11.49763	11.61777	11.53542	11.65534	11.56447	11.5377	11.5566	8.227152	8.207919	8.092658	7.839303	7.832551	7.833345	8.235525	8.19302	8.199455
RC3H1	ENSG0000	-0.32598	5.276978	-5.98003	1.33E-05	0.000159	2.947264	5.340935	5.482886	5.50047	5.359221	5.217382	5.404757	5.238424	5.228657	5.274297	5.510146	5.535075	5.383428	5.271149	5.395233	5.339289	5.046891	5.021374	5.123395
SP110	ENSG0000	0.036768	1.764042	0.165996	0.870065	0.912409	-6.61634	1.12723	1.002471	0.679585	1.978268	1.718467	1.422231	1.074544	1.430416	1.38134	3.45483	3.612795	3.573456	2.649667	2.743101	2.647333	3.350072	3.413359	3.581792
MRPL44	ENSG0000	-0.05329	6.00693	-0.75813	0.458476	0.579061	-7.07844	6.377422	6.356888	6.434415	5.878371	5.856685	5.840343	6.395819	6.405702	6.411824	6.014459	5.810921	5.987463	5.736406	5.791513	5.771595	5.908404	5.789916	5.778504
PAX3	ENSG0000	0.060832	-1.53418	0.369954	0.715862	0.798873	-5.78824	2.27083	2.308123	2.300736	2.21912	2.229385	2.455733	2.186178	2.324112	2.34318	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
DOCK10	ENSG0000	-0.24365	6.037115	-2.30655	0.033568	0.075817	-4.86633	7.381384	7.459365	7.490741	6.932892	6.863577	6.954615	6.980512	6.836241	6.907654	5.085433	5.046155	5.180139	4.698772	4.686287	4.794943	5.346849	5.284541	5.262209
TTLL4	ENSG0000	-0.21727	6.003354	-2.97547	0.008298	0.025046	-3.62856	6.232898	6.27135	6.288611	5.468225	5.617385	5.614052	5.774426	5.698992	5.748211	6.293698	6.301497	6.319343	6.02922	5.923245	5.937812	6.296455	6.337082	6.331655
USP37	ENSG0000	-0.08354	5.252052	-0.96714	0.346665	0.467793	-6.79839	5.440544	5.533626	5.347631	5.222985	4.966263	5.1639	5.405414	5.462247	5.256657	5.678768	5.56295	5.55716	4.612964	4.797675	4.752597	5.482982	5.513525	5.491856
ITM2C	ENSG0000	0.645173	6.952506	8.364746	1.61E-07	5.19E-06	7.269457	5.845187	5.752349	5.819438	6.850266	6.85634	6.764257	6.693573	6.711283	6.794548	7.11293	7.215799	7.204297	7.630988	7.658567	7.620263	7.668477	7.584553	7.600819
SLC19A3	ENSG0000	0.793822	1.490995	2.7125	0.014529	0.039088	-3.08374	2.949211	2.950996	2.883112	3.977507	3.99943	3.982555	4.057185	3.798055	3.796224	0.982259	0.986408	0.993481	0.656707	0.784432	0.593579	0.63264	0.975239	0.872651
SERPINE2	ENSG0000	0.487021	7.644489	2.428569	0.026208	0.062296	-4.71805	10.0812	10.11203	10.0613	10.24049	10.00337	10.11897	10.50964	10.46158	10.52881	5.200749	5.35759	5.359952	4.033205	4.067774	4.179864	5.928183	5.942144	5.890784
DNAJB2	ENSG0000	0.807066	5.8866	12.46504	3.96E-10	5.82E-08	13.49806	5.237197	5.309824	5.169662	6.250324	6.135476	6.064269	6.28591	6.216793	6.22717	5.46891	5.502818	5.371738	6.374253	6.291205	6.307655	6.063366	6.057777	6.095646
WNT10A	ENSG0000	-0.02673	-0.40025	-0.0886	0.93041	0.95433	-6.27661	0.216396	0.499412	0.323815	0.258133	0.106501	0.2349	0.548589	0.387194	0.106501	1.787595	1.875739	1.896649	2.770846	2.888589	2.703134	1.880661	1.981819	1.626848
TMBIM1	ENSG0000	0.412164	7.360084	10.66594	4.47E-09	3.42E-07	10.93597	7.100639	7.049103	7.066149	7.523468	7.524819	7.512223	7.436719	7.456621	7.368181	7.028883	6.978388	7.059827	7.700241	7.704851	7.678406	7.510169	7.459477	7.488808
EIF4E2	ENSG0000	-0.0118	7.185455	-0.26061	0.797439	0.859602	-7.47007	7.338732	7.385683	7.354662	7.252557	7.244562	7.156592	7.302038	7.366504	7.353735	7.100159	6.998261	7.065021	7.156728	7.159458	7.135548	7.084811	6.975672	7.092244
ARMC9	ENSG0000	-0.33968	4.387066	-3.2607	0.004474	0.015389	-2.74149	4.131163	4.495815	4.388298	4.236852	4.177232	4.28655	3.474265	3.605944	3.340558	4.851979	4.777766	4.87173	5.160571	5.082502	5.171406	4.817667	4.683969	4.762652
CAB39	ENSG0000	0.372421	7.619726	8.117457	2.46E-07	7.07E-06	6.775789	6.891862	6.83689	6.795426	6.818591	6.693695	6.778813	7.275922	7.260623	7.223592	8.142484	8.145685	8.125349	8.283059	8.288224	8.305321	8.427915	8.508612	8.505261
COX5B	ENSG0000	-0.10041	6.785781	-1.69455	0.107903	0.189806	-6.058	7.026197	6.998666	7.032792	6.984099	7.179939	6.88904	6.898859	6.823043	6.85441	6.534567	6.490434	6.616123	6.833478	6.856736	6.85907	6.592237	6.527782	6.391939
REV1	ENSG0000	0.0332	5.317727	0.751454	0.462379	0.582699	-6.97597	5.256622	5.256764	5.244837	5.325276	5.305047	5.302231	5.319693	5.492201	5.342774	5.391578	5.427994	5.375087	5.409919	5.48534	5.386919	5.394346	5.299655	5.368484
TSGA10	ENSG0000	-0.27734	2.200733	-1.74836	0.097943	0.175937	-5.22875	2.051128	1.780637	2.138168	1.634586	1.087782	1.526279	1.816207	1.809233	2.087859	3.367773	3.339557	3.406715	3.288992	3.738425	3.517722	2.831347	3.267249	3.215882
MFSD9	ENSG0000	1.011149	4.669305	8.150537	2.32E-07	6.73E-06	7.176706	4.186225	4.372133	4.441562	5.227586	5.128856	5.072334	5.747035	5.669801	5.591697	3.914031	3.884278	3.995227	4.739835	4.736081	4.829829	4.654234	4.460128	4.515429
TMEM127	ENSG0000	0.250507	7.342209	4.735735	0.000178	0.00119	0.070375	6.864692	6.829428	6.930934	7.267158	7.307475	7.332837	7.312587	7.252989	7.25169	7.337447	7.338603	7.343325	7.866751	7.802818	7.887787	7.519512	7.465632	7.416325
TGFBRAP1	ENSG0000	0.081045	6.069665	1.708526	0.105236	0.185992	-5.95566	6.249151	6.252341	6.353352	6.097824	6.19406	6.261836	6.464699	6.450256	6.483715	5.904318	5.864171	5.938492	5.745844	5.834598	5.895027	5.919739	5.862958	5.884657
GCC2	ENSG0000	-0.45391	5.927068	-6.95097	2.01E-06	3.75E-05	4.794638	6.258816	6.151641	6.191761	5.977316	5.952107	6.044692	5.736627	5.764893	5.866318	6.02018	6.056844	5.979782	6.143802	6.173513	6.154705	5.455985	5.623718	5.57792
MRPS9	ENSG0000	-0.22697	5.63019	-3.77573	0.001446	0.006268	-1.84046	6.129578	6.111769	6.074887	5.499001	5.49597	5.451761	5.863212	5.845426	5.860491	5.685984	5.579421	5.675994	5.406522	5.451674	5.395412	5.42251	5.474101	5.464729
C2orf49	ENSG0000	-0.21519	5.210749	-4.07047	0.000757	0.003737	-1.12674	5.397444	5.32203	5.353819	5.26388	5.084948	5.1639	5.120637	5.197177	5.092354	5.295783	5.331897	5.336087	5.372111	5.38635	5.41643	5.072509	5.211838	5.091828
ANKRD36	ENSG0000	-0.28245	1.065814	-1.27966	0.217392	0.326274	-5.40448	2.218961	2.258179	2.300736	1.634586	1.817192	1.422231	2.186178	2.540248	1.918715	1.555182	1.616737	1.277453	1.392977	1.320413	1.247156	0.884806	1.442809	1.222783
EPC2	ENSG0000	0.270912	5.261671	2.183893	0.042866	0.091935	-5.03018	5.132445	5.195056	5.228093	5.209091	5.059965	5.334836	5.620676	5.798247	5.729151	5.079966	5.059262	5.016036	5.601813	5.566222	5.44535	5.028684	5.089629	5.217405
ARHGEF4	ENSG0000	-0.4187	4.794855	-2.45536	0.024809	0.059678	-4.50962	5.049495	5.070363	5.014266	3.827958	4.040879	3.678224	3.632324	3.761625	3.4839	5.60265	5.514285	5.620625	5.430131	5.445273	5.497567	5.669122	5.597458	5.497221
ISCU	ENSG0000	-0.34925	6.169436	-4.85633	0.000137	0.000975	0.487041	7.042142	6.991042	6.9937	6.800173	6.761899	6.836877	6.556314	6.305929	6.466555	5.693164	5.599299	5.666457	5.635569	5.743628	5.677227	5.568288	5.513525	5.600528
ALDH1L2	ENSG0000	0.259253	2.721551	1.26186	0.22358	0.333484	-5.93095	2.933205	2.90305	2.776595	2.791417	2.811499	2.741673	3.137083	3.122225	2.748518	3.463254	3.287042	3.38694	1.689764	2.21055	2.10048	3.617041	3.644015	3.744016
USP44	ENSG0000	-0.2173	-0.06611	-2.46909	0.024119	0.058323	-4.03066	0.216396	0.215206	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.737768	3.761343	3.882059	3.652319	3.752319	3.658454	3.595997	3.698248	3.679412
SCYL2	ENSG0000	0.129596	6.565585	1.686558	0.109455	0.191872	-6.06048	6.492486	6.536539	6.460454	6.542081	6.331931	6.450533	6.756738	6.790264	6.806721	6.48682	6.556631	6.486621	6.737395	6.771466	6.734894	6.542691	6.461011	6.518688
CKAP4	ENSG0000	0.409058	7.172692	2.734627	0.013866	0.037719	-4.13974	8.016433	8.067445	8.102294	9.207244	9.075451	9.086458	8.518795	8.463578	8.504663	5.625347	5.664221	5.757825	5.725544	5.777993	5.684176	6.036282	6.060737	6.015662
PLXNC1	ENSG0000	-0.25729	0.224658	-0.86537	0.398561	0.520035	-5.81786	0.667115	0.316291	0.323815	1.256461	1.612488	0.657796	0.269385	0.509405	0.106501	1.840286	2.011405	1.839597	2.940139	2.913535	2.895043	1.708352	1.766644	2.119598
APPL2	ENSG0000	0.07182	4.954853	1.076646	0.296276	0.415135	-6.56461	5.266237	5.337144	5.228093	5.325276	5.33034	5.377194	5.409787	5.302366	5.400136	4.489195	4.57368	4.527922	4.975836	4.90419	4.866948	4.602417	4.49993	4.651565
PWP1	ENSG0000	-0.29975	5.996466	-2.96515	0.008484	0.025532	-3.57055	7.268708	7.193119	7.127028	6.481726	6.599745	6.645089	6.649872	6.734965	6.686711	5.203266	5.176975	5.232786	5.212064	5.310903	5.352435	5.20581	5.132464	5.21089
DRAM1	ENSG0000	-0.3263	4.718401	-1.45965	0.162128	0.259898	-5.91141	6.600314	6.695103	6.713586	5.71757	5.687572	5.738416	6.237523	6.18505	6.099406	3.226465	3.146729	3.157196	3.830164	3.806595	3.747398	3.272618	3.277464	3.340497
WASHC4	ENSG0000	0.161947	6.61721	3.151924	0.005668	0.018636	-3.2774	6.974345	6.996764	6.926789	7.383063	7.319103	7.376124	7.259054	7.275772	7.185644	6.004393	6.129481	5.899478	6.141761	6.174803	6.229054	6.02189	6.018732	6.088556
SLC41A2	ENSG0000	-0.29534	4.358516	-3.31967	0.003934	0.013909	-2.58986	3.792713	3.82133	3.889066	4.479932	4.249727	4.499659	3.866715	3.946081	4.05282	4.710546	4.815334	4.793777	5.295224	5.263181	5.403856	4.236002	4.353122	4.335451
VILL	ENSG0000	0.092679	1.702985	0.634681	0.533857	0.64652	-6.19539	1.010037	1.374745	1.585853	2.393052	1.953662	2.402038	1.762502	1.491012	1.244857	2.409929	2.135404	2.355887	3.251622	3.310934	3.075009	2.283004	2.315011	2.302316
FLNB	ENSG0000	-0.42494	9.351335	-2.48878	0.023162	0.056556	-4.84125	10.79786	10.78178	10.88437	9.736591	9.808267	9.886109	10.09126	9.990758	9.961371	8.395333	8.452551	8.287896	8.769872	8.627414	8.726443	8.398086	8.358827	8.418856
NEK3	ENSG0000	-0.37229	2.303638	-2.5096	0.022188	0.054619	-3.74012	3.17016	3.248262	2.916938	2.840308	2.117603	2.697781	2.480375	2.702788	2.440135	2.664903	2.388995	2.422156	2.452975	2.326537	2.497588	2.334732	2.48331	2.326628
VPS36	ENSG0000	-0.07825	5.593581	-1.36838	0.188528	0.291142	-6.36303	6.171116	6.13617	6.234306	5.720837	5.651233	5.617001	6.264336	6.157275	6.256309	5.504036	5.457995	5.349772	4.98725	5.014952	5.036727	5.198848	5.256415	5.249549
RNASEH2B	ENSG0000	-0.23113	4.590137	-4.24738	0.000514	0.002759	-0.65997	4.888652	4.885335	4.790768	4.152252	4.149079	4.30129	4.583863	4.526303	4.490278	4.908591	4.939615	5.054151	4.47385	4.561635	4.56581	4.787047	4.755137	4.918728
CKAP2	ENSG0000	0.076004	5.069894	0.650972	0.523532	0.637259	-7.00763	5.250176	5.164879	5.11242	5.325276	5.114368	5.215396	5.56294	5.420016	5.431918	5.264796	5.251956	5.29777	4.407437	4.398927	4.402656	5.057193	5.157568	5.236778
TBC1D4	ENSG0000	-0.37806	4.662652	-1.83911	0.082951	0.154501	-5.4892	4.721647	4.691972	4.917323	5.444703	5.279302	5.294884	4.274204	4.265167	4.151567	4.983707	4.987026	4.965822	4.25337	4.284065	4.302347	4.598895	4.805418	4.784756
THSD1	ENSG0000	-0.1971	0.132208	-0.70933	0.487474	0.60559	-5.7258	2.165157	1.947501	1.744977	1.578054	1.909591	1.623325	1.70672	1.605065	1.873138	0.54782	0.799097	0.594297	0.701742	0.345231	0.910419	0.884806	0.637375	0.409347
BORA	ENSG0000	0.21664	2.818945	1.347266	0.195103	0.299251	-5.85038	2.965042	2.748839	2.966237	2.791417	2.811499	2.697781	3.258446	3.160038	2.981126	3.367773	3.569479	3.513924	2.42639	2.250257	2.07955	3.717885	3.440885	3.770842
LRCH1	ENSG0000	0.47326	3.906076	5.205973	6.54E-05	0.000541	1.570674	3.498536	3.235413	3.443319	4.152252	4.091068	4.088331	4.185161	3.999201	4.170531	3.938405	4.045764	3.853525	4.400624	4.116929	4.27038	4.262954	4.232297	4.101878
SUCLA2	ENSG0000	-0.01825	5.679069	-0.23344	0.818135	0.875284	-7.28759	5.866415	5.858816	5.673707	6.01507	5.938464	5.965928	5.885366	6.012346	5.892253	5.700308	5.716452	5.655479	5.291546	5.329559	5.356791	5.596816	5.47632	5.518482
RCBTB1	ENSG0000	0.484477	4.101276	7.25225	1.15E-06	2.40E-05	5.639384	4.29042	4.401188	4.526184	4.727426	4.668652	4.844735	4.968851	4.877874	4.84333	3.568508	3.447177	3.549937	3.623353	3.731427	3.593499	3.994729	3.876817	3.922098
MED4	ENSG0000	-0.0288	5.601517	-0.65786	0.519201	0.633838	-7.10715	5.677569	5.577561	5.671231	5.396478	5.296516	5.316813	5.531176	5.78015	5.566863	5.869883	5.796904	5.785781	5.57332	5.579922	5.616767	5.731559	5.779172	5.830433
PHF11	ENSG0000	-0.02958	3.377725	-0.16912	0.867641	0.91094	-6.82072	3.792713	3.786518	3.922756	3.21869	2.948483	3.26222	2.858632	3.285084	3.4839	3.45483	3.390227	3.305013	3.830164	3.793216	3.849837	3.574643	3.84969	3.716682
RPL13AP25	ENSG0000	-0.09622	1.59492	-0.41609	0.682411	0.772253	-6.18015	2.438959	2.125186	2.109199	2.999448	2.737798	2.845893	2.576877	2.069791	2.408535	1.940223	2.011405	1.439812	1.446877	1.560439	1.722572	1.177011	1.67689	1.665483
COG3	ENSG0000	0.201088	5.454188	3.315373	0.003971	0.014014	-2.8283	4.888652	4.80064	4.929803	5.464331	5.190008	5.349094	5.099133	5.127313	4.962367	5.813348	5.806264	5.706895	5.886577	5.958132	5.926135	5.998026	5.966024	5.934941
LMO7	ENSG0000	-0.59832	5.609099	-4.00988	0.000865	0.004154	-1.37839	5.350006	5.102561	5.277754	4.181007	4.301803	4.427589	3.705302	3.521314	3.572114	6.998053	7.078345	6.983424	6.935981	7.020694	7.039242	6.733023	6.846125	6.731658
SCEL	ENSG0000	-0.52375	4.112167	-6.47418	5.00E-06	7.45E-05	3.910241	2.668993	2.576149	2.933559	1.634586	2.078331	1.880533	1.459147	1.491012	1.727075	6.857341	6.849268	6.871663	6.58423	6.665316	6.617284	6.376791	6.45202	6.458081
ITM2B	ENSG0000	0.463828	7.674196	7.544371	6.74E-07	1.58E-05	5.761227	7.001464	7.130301	7.023118	8.206668	8.112749	8.154187	7.690551	7.699044	7.74468	7.388097	7.380456	7.385873	8.028774	8.163795	8.151171	7.637488	7.697269	7.67607
SPRY2	ENSG0000	-0.60978	4.56764	-3.82383	0.001301	0.005779	-1.5697	5.4988	5.418975	5.503257	3.840029	3.656958	3.878271	5.282018	5.108097	5.155586	5.026968	4.96212	4.968042	4.275881	4.24529	4.12984	4.240529	4.145732	4.094818
NUDT15	ENSG0000	0.001194	5.228384	0.016906	0.986703	0.991297	-7.27847	5.227386	5.32203	5.238162	5.117849	4.86605	4.889321	5.32896	5.503276	5.431918	5.59692	5.485444	5.696222	4.821167	5.003379	4.866948	5.426489	5.451724	5.557523
RCBTB2	ENSG0000	-0.48583	2.16984	-3.4927	0.002694	0.010311	-1.71998	3.361722	3.248262	3.408073	2.21912	2.429905	2.629332	2.832807	3.196885	3.00245	2.37464	2.249583	2.435052	1.897591	1.819936	2.058312	1.809319	1.766644	2.119598
LCP1	ENSG0000	0.753329	6.771484	2.655562	0.016376	0.042932	-4.37069	3.249862	3.196163	3.371944	5.941353	5.87112	5.963613	5.973684	6.133713	6.004837	8.486484	8.416591	8.478057	8.564819	8.610112	8.563821	8.591896	8.549753	8.586783
SETDB2	ENSG0000	0.06024	2.496715	0.574635	0.572861	0.681244	-6.40931	2.780548	2.513665	2.37563	2.688367	2.686486	3.016392	2.513265	2.540248	2.82232	2.693825	2.632935	2.883807	3.066031	2.985883	2.80865	2.719047	2.895091	2.724423
SCRN1	ENSG0000	0.157467	5.270078	3.167592	0.005479	0.018114	-3.15749	3.756787	3.904854	3.922756	4.456603	4.485643	4.393601	4.164604	3.711575	4.00079	6.292517	6.409841	6.341773	6.783947	6.814317	6.835855	6.480899	6.513809	6.560288
TNS3	ENSG0000	-0.4984	7.36863	-4.15252	0.000632	0.00323	-1.17603	8.49899	8.515988	8.574163	7.897217	8.065832	7.988173	7.702186	7.680463	7.682459	6.683492	6.674605	6.536089	6.924747	6.917344	6.903663	6.565423	6.43044	6.578118
CHST12	ENSG0000	0.322933	3.701888	3.783667	0.001421	0.006184	-1.37193	3.613482	3.741788	3.698006	4.640378	4.662026	4.386706	4.164604	4.175703	4.151567	3.236329	3.278101	3.240362	3.879997	3.952144	3.849837	3.478269	3.404065	3.176297
IGF2BP3	ENSG0000	-0.03597	5.876509	-0.27227	0.788603	0.8524	-7.25432	6.871008	6.868442	6.845688	6.653998	6.539568	6.481604	7.192076	7.207443	7.281434	5.44359	5.438064	5.38509	4.621778	4.553723	4.562043	4.838721	4.847164	4.726565
GPNMB	ENSG0000	-1.13934	2.296999	-9.3396	3.28E-08	1.59E-06	9.195613	1.681202	0.940485	1.358564	1.634586	0.92021	1.475193	1.317361	1.001115	1.171446	4.789709	4.748933	4.852633	4.151547	4.317159	4.329194	3.61006	3.636099	3.621636
RAPGEF5	ENSG0000	0.100138	1.023275	0.538825	0.596804	0.699931	-6.01519	1.990546	1.947501	2.049454	1.978268	2.398361	2.317553	2.102195	2.108984	1.962896	1.199504	1.403073	1.219002	1.186687	1.2438	0.812339	1.45147	1.329561	1.170016
RAC1	ENSG0000	0.184284	8.291355	4.780619	0.000162	0.001104	0.109236	8.450615	8.483074	8.442455	8.495589	8.461248	8.486356	8.589899	8.587126	8.656145	7.946123	7.914244	7.89799	8.140582	8.168336	8.210435	8.135162	8.133462	8.132514
KDELR2	ENSG0000	0.476062	8.170964	11.71537	1.05E-09	1.18E-07	12.39096	8.390339	8.430138	8.358012	8.793179	8.686076	8.704438	8.842912	8.868027	8.865919	7.449273	7.50399	7.509903	7.641138	7.63298	7.59052	7.976294	7.942059	7.991854
NUP42	ENSG0000	-0.38152	5.122958	-6.37648	6.05E-06	8.67E-05	3.773171	5.694285	5.615246	5.666267	5.312338	5.287935	5.238557	5.262806	5.293887	5.136423	5.255126	5.299125	5.214204	4.589193	4.615839	4.735974	5.02081	4.860815	4.894538
IL6	ENSG0000	0.080898	4.935212	0.587167	0.5646	0.674575	-6.58935	8.48499	8.448348	8.480066	6.801717	6.801626	6.816499	8.608092	8.503651	8.671619	2.558849	2.590228	2.682227	1.797417	2.039797	1.667532	2.400938	2.601856	2.226823
ZDHHC4	ENSG0000	-0.47134	6.013425	-9.97924	1.22E-08	7.72E-07	9.99963	6.507427	6.579116	6.443147	6.130133	6.018451	6.085714	5.925627	5.970398	5.942765	6.144548	6.062062	6.146848	5.842013	5.77289	5.873908	5.74914	5.833837	5.63257
BZW2	ENSG0000	-0.1281	7.227505	-2.25389	0.037304	0.082298	-5.14946	7.7243	7.75554	7.720006	7.53836	7.445052	7.504282	7.493452	7.504254	7.500527	6.895189	6.811811	6.857363	6.994273	6.961372	7.06742	6.850218	6.785684	6.870419
TBRG4	ENSG0000	-0.21757	6.846618	-6.34181	6.47E-06	9.14E-05	3.49535	7.370281	7.303425	7.325048	6.892894	6.976026	6.912032	7.128486	7.060236	7.118871	6.793638	6.72729	6.75566	6.475784	6.460513	6.498129	6.540857	6.524569	6.613129
DDX56	ENSG0000	-0.30392	7.239072	-4.99619	0.000102	0.000766	0.646426	7.929345	7.920658	7.940575	7.232093	7.155382	7.114437	7.560877	7.414223	7.413659	7.182179	7.109552	7.152534	6.791128	6.809341	6.73322	7.011876	6.982713	7.032532
HUS1	ENSG0000	0.204199	4.694937	2.669197	0.015914	0.042038	-4.00055	4.981078	5.018804	4.966609	4.640378	4.70778	4.610338	5.120637	5.174263	5.097318	4.485065	4.378346	4.45065	4.571104	4.642195	4.62479	4.623367	4.699246	4.749225
DBNL	ENSG0000	0.429253	6.455568	7.151452	1.38E-06	2.78E-05	5.110789	5.660656	5.605293	5.648759	6.553121	6.59801	6.555706	6.309508	6.363784	6.262951	6.409378	6.535214	6.506612	7.112595	7.094814	7.11255	6.741831	6.7384	6.711029
CCM2	ENSG0000	-0.13725	5.129627	-1.27857	0.217767	0.326696	-6.40531	5.509634	5.398948	5.511583	5.416768	5.465853	5.302231	5.213624	5.093515	5.216162	5.157281	5.1649	5.267448	4.627624	4.51757	4.639165	5.237862	5.095414	5.271631
TTYH3	ENSG0000	0.956016	5.867	12.76283	2.73E-10	4.32E-08	13.87853	4.461995	4.599733	4.564038	6.243524	6.366983	6.372415	5.747035	5.646681	5.735532	5.454194	5.561109	5.641639	6.943617	6.855128	6.899937	6.439169	6.40737	6.194729
TTC5	ENSG0000	-0.04401	4.835422	-0.71324	0.485113	0.603552	-6.97003	4.199669	4.236845	4.229112	4.092964	4.081169	4.256608	4.205428	4.080322	4.198517	5.673333	5.463921	5.486135	5.772474	5.757473	5.803856	5.394346	5.534971	5.610463
NKX2-8	ENSG0000	0.648065	-0.29126	2.372404	0.029385	0.068109	-3.85307	0.318509	0.215206	0.421314	0.258133	0.106501	0.461789	0.269385	0.106501	0.256032	1.52331	1.989662	2.07201	2.822733	2.925848	2.858649	2.782512	2.665466	2.174206
NKX2-1	ENSG0000	-0.20393	0.993946	-3.21252	0.004969	0.016807	-2.97298	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	6.099326	6.317949	6.405405	6.470101	6.48256	6.419109	6.152543	6.087109	5.91904
ADAMTS7	ENSG0000	-0.48802	0.281942	-1.38461	0.183595	0.285474	-5.04622	3.58303	3.714268	3.922756	4.727426	4.551652	4.518705	3.602068	3.122225	3.271973	0.190076	0.106501	0.230035	0.46104	0.612281	0.404558	0.183756	0.106501	0.106501
ABHD17C	ENSG0000	0.373852	5.425458	4.944896	0.000114	0.000838	0.697074	4.538049	4.677795	4.595711	5.077635	4.813207	4.956049	5.08826	5.053893	5.036597	6.005835	5.95393	6.118149	5.789524	5.774593	5.822871	6.358164	6.338302	6.336153
IREB2	ENSG0000	-0.04422	7.348164	-0.9683	0.346102	0.467238	-7.04689	7.728944	7.704005	7.732526	7.083905	7.11107	7.142336	7.787846	7.851263	7.75178	7.428988	7.476407	7.346741	6.842932	6.87352	6.7923	7.247713	7.240047	7.293742
ALPK3	ENSG0000	-0.79563	0.531332	-4.2571	0.000503	0.002711	-0.12931	0.503316	0.499412	0.323815	0.52061	0.512209	0.563119	0.415731	0.387194	0.735084	3.420635	3.398501	3.413246	2.193986	2.084417	2.465679	2.819293	2.354144	2.528753
CIB2	ENSG0000	0.746248	3.586299	8.477137	1.33E-07	4.44E-06	7.788879	3.156438	2.784561	2.661582	3.20008	3.225109	3.136338	3.19904	3.384264	3.468658	3.851231	3.695711	3.774554	4.571104	4.541772	4.684921	4.584723	4.633169	4.376785
CALCOCO2	ENSG0000	0.05544	6.023649	0.662896	0.516045	0.630912	-7.10259	6.597778	6.695103	6.633196	6.648861	6.47299	6.602578	6.651719	6.61587	6.607167	5.208286	5.27461	5.330922	5.747188	5.788145	5.745256	5.323569	5.467424	5.461988
RSAD1	ENSG0000	0.559037	5.104415	5.844765	1.74E-05	0.000197	2.739777	5.479641	5.520446	5.50047	5.647184	5.644527	5.54451	6.138227	6.138456	6.131214	4.13575	4.287703	4.271716	4.698772	4.824228	4.778803	4.817667	4.542904	4.632189
NMT1	ENSG0000	-0.10579	7.497992	-3.44852	0.002968	0.011147	-2.7464	8.062227	8.086353	8.037459	7.757041	7.736708	7.753749	7.919429	7.96043	7.937606	7.163562	7.169407	7.238262	7.008345	6.996819	6.979768	7.138555	7.071243	7.10196
SRSF1	ENSG0000	0.206431	8.007149	5.289446	5.49E-05	0.000473	1.218588	8.272834	8.28024	8.326896	7.98068	7.962448	8.041825	8.593748	8.620142	8.565477	7.823075	7.868811	7.906118	7.34681	7.350255	7.359349	7.991482	7.952058	7.994702
VEZF1	ENSG0000	0.36922	5.795478	6.770709	2.82E-06	4.85E-05	4.429321	4.933595	4.933864	5.041355	5.479843	5.33034	5.513197	5.570773	5.499594	5.588176	6.112774	6.19389	6.117149	6.495101	6.43274	6.458146	6.328703	6.43044	6.373096
TACO1	ENSG0000	-0.1954	5.600253	-2.88912	0.009986	0.029073	-3.73564	6.016387	6.037841	6.009761	5.325276	5.3917	5.366721	5.539183	5.7054	5.660384	5.716254	5.566627	5.752683	5.441792	5.464391	5.418515	5.664076	5.605589	5.675793
TEX2	ENSG0000	0.227109	5.892829	4.45094	0.00033	0.001933	-0.41155	5.694285	5.572461	5.68602	5.775282	5.830334	5.825123	5.900984	5.962395	6.056723	5.942476	6.06076	6.034826	5.899924	5.943067	5.864762	6.225151	6.092904	6.154551
DCAF7	ENSG0000	-0.25328	8.050558	-8.58546	1.11E-07	3.91E-06	7.575804	7.804576	7.725989	7.761906	7.62375	7.601271	7.63876	7.442067	7.478298	7.403676	8.61301	8.60803	8.597224	8.52876	8.483338	8.478953	8.413704	8.411663	8.401079
LIMD2	ENSG0000	0.923936	1.235049	5.127831	7.71E-05	0.000618	1.737005	1.561356	1.118985	1.499186	1.791994	1.864131	1.840725	1.459147	1.491012	1.826075	1.490718	1.112482	1.46518	2.412911	2.148862	2.330481	2.154563	2.295039	2.277588
BRIP1	ENSG0000	-0.24951	3.484459	-1.80456	0.088404	0.161968	-5.44874	3.643304	3.310847	3.736403	2.48816	2.881616	2.845893	3.388228	3.415864	3.289427	4.845549	4.806033	4.798774	2.638129	2.729118	2.895043	4.40281	4.660745	4.61255
KAT7	ENSG0000	0.009742	5.548817	0.132331	0.896234	0.930873	-7.3126	5.233934	5.227863	5.22134	5.565938	5.287935	5.445139	5.539183	5.420016	5.54523	5.91203	5.874589	5.929407	5.698025	5.629696	5.725182	5.772774	5.639643	5.785098
RTP4	ENSG0000	0.146878	-0.16664	1.243492	0.230108	0.340972	-5.95478	0.106501	0.106501	0.219246	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	3.637124	3.619889	3.789694	3.563615	3.552417	3.556108	3.934535	3.808018	3.753014
ACTL6A	ENSG0000	-0.12311	6.101557	-3.31731	0.003954	0.013969	-2.92873	5.883176	5.865087	5.874275	5.55133	5.465853	5.559916	5.586312	5.686091	5.673738	6.725241	6.681403	6.696643	6.322929	6.373292	6.357411	6.616821	6.644843	6.671239
NDUFB5	ENSG0000	-0.22613	6.254419	-2.94297	0.008898	0.026483	-3.70278	6.460736	6.416447	6.362587	6.225234	6.166236	6.156332	6.210201	6.223506	6.126365	6.292517	6.226791	6.275203	6.559977	6.569491	6.495168	6.015301	6.042884	6.106218
MRPL47	ENSG0000	-0.2801	5.751406	-5.97773	1.33E-05	0.000159	2.84666	5.653347	5.756852	5.633581	5.388282	5.321958	5.118843	5.440037	5.564476	5.37991	6.303114	6.349235	6.295675	5.950944	5.898468	5.953715	5.97376	5.950148	6.100942
TRA2B	ENSG0000	0.100776	7.851833	2.98815	0.008075	0.024483	-3.77491	8.029195	8.010604	7.928706	7.416698	7.357543	7.339101	8.155193	8.202179	8.150164	8.062965	8.056989	8.093421	7.438215	7.453794	7.455392	8.113422	8.081213	8.107301
SCN2A	ENSG0000	0.729186	-1.17028	2.7071	0.014695	0.039417	-3.03891	0.106501	0.106501	0.106501	0.106501	0.25478	0.3528	0.269385	0.253663	0.256032	1.278001	1.335727	1.094478	2.112949	2.21055	2.312654	1.387593	1.406038	1.322858
MARCHF7	ENSG0000	0.217243	6.311361	3.416831	0.003181	0.011738	-2.69179	6.576037	6.646185	6.639541	6.574952	6.589306	6.612955	6.856232	6.917137	7.008587	5.861941	5.835508	5.800804	6.04022	6.053799	6.071023	5.918327	5.916229	6.036078
GALNT5	ENSG0000	0.587094	2.544509	3.046256	0.007125	0.022167	-2.93479	0.882475	0.940485	0.898566	2.714828	2.605925	2.5075	1.70672	1.082132	1.171446	3.857636	3.930661	3.986493	4.44765	4.553723	4.500385	4.306784	4.542904	4.504815
TANK	ENSG0000	0.244945	5.401172	2.788314	0.012377	0.034532	-3.89587	5.075249	5.240779	5.431935	5.49519	5.313527	5.500479	5.63569	5.859858	5.828013	5.33303	5.349076	5.313568	5.456648	5.538426	5.465657	5.342644	5.339201	5.335919
SKIL	ENSG0000	-0.22359	5.456005	-1.53762	0.142047	0.234245	-6.1594	4.921476	4.909804	4.913139	4.674482	4.594038	4.690911	5.152303	5.368459	5.046897	6.206071	6.106936	6.010262	6.435525	6.444555	6.419109	5.582622	5.701643	5.692259
EPRS1	ENSG0000	-0.05476	8.451081	-1.44179	0.167042	0.265859	-6.55623	9.134084	9.161769	9.145892	8.761798	8.652209	8.783994	9.106056	9.080424	9.039066	8.034276	7.991148	8.001588	7.794855	7.797383	7.796543	7.978667	7.943262	7.998963
VPS45	ENSG0000	0.166792	5.782334	2.291713	0.034584	0.077595	-4.91554	5.403266	5.253581	5.341417	6.325226	6.018451	6.140024	5.405414	5.575011	5.591697	5.710958	5.785907	5.794563	6.17308	6.194019	6.164677	5.925374	5.869726	5.904981
KCTD3	ENSG0000	-0.24589	5.741948	-4.68548	0.000198	0.00129	0.243115	7.215107	7.174727	7.082078	7.082635	7.011642	7.091298	6.908164	7.042632	6.877676	4.735102	4.662249	4.676498	4.359059	4.463697	4.468538	4.374256	4.38181	4.461559
RPS6KC1	ENSG0000	0.230523	5.426645	2.80848	0.011858	0.033307	-3.84392	5.643543	5.366905	5.426074	5.573188	5.644527	5.575159	5.646849	5.730749	5.757647	5.085433	5.167323	4.95243	5.600328	5.62404	5.663227	5.351042	5.251241	5.246367
CBWD2	ENSG0000	-0.20127	4.510938	-2.57942	0.019199	0.048674	-4.16291	4.284124	4.306074	4.249168	4.54774	4.360275	4.568299	4.283766	4.38177	4.270596	5.029806	4.857962	5.076957	4.707079	4.729072	4.722535	4.623367	4.672404	4.694231
IL1RN	ENSG0000	-0.60399	-1.05796	-2.18241	0.042992	0.092135	-4.01285	0.41387	0.582935	0.219246	0.258133	0.106501	0.2349	0.106501	0.106501	0.256032	1.555182	1.8028	1.718241	1.054048	1.320413	1.129895	1.708352	1.645686	1.170016
IL36RN	ENSG0000	-0.36935	-0.45596	-2.71114	0.01457	0.039163	-3.44873	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.552807	3.494263	3.513924	2.83289	2.770668	3.064395	3.152846	3.138674	3.021085
SMPD4	ENSG0000	0.180929	6.759222	3.574135	0.002253	0.008881	-2.43295	6.713584	6.73102	6.634467	6.477868	6.557529	6.458774	7.082655	7.020962	7.019088	6.947913	6.881357	6.957403	6.569879	6.500165	6.474272	7.020457	6.947162	6.921193
WDR33	ENSG0000	-0.06702	6.892066	-1.49464	0.152844	0.248199	-6.38256	7.117558	7.042664	7.025058	6.55861	6.660839	6.569471	7.040971	7.008061	7.072995	7.026043	7.026565	7.049381	6.766831	6.757756	6.771244	6.979066	6.891721	6.919196
CCDC115	ENSG0000	0.653509	4.760715	12.59423	3.37E-10	5.00E-08	13.69768	4.102823	4.087546	4.042515	4.612502	4.500575	4.586466	4.637058	4.80814	4.813478	4.762664	4.796672	4.881185	5.304378	5.287239	5.220033	5.293385	5.545575	5.431488
SAP130	ENSG0000	0.155031	5.058504	2.377439	0.029086	0.067548	-4.64655	4.758449	4.909804	4.900514	5.294904	5.180767	5.143594	5.015513	4.987092	5.202407	5.14686	5.128054	5.135408	5.150455	5.07975	5.103047	5.262556	5.152027	5.299535
BIN1	ENSG0000	-0.37638	6.115465	-2.83995	0.01109	0.031573	-3.89338	7.022419	6.953285	7.074604	5.860706	6.005424	5.837817	6.44991	6.429119	6.369368	5.865123	5.858184	5.994014	5.92269	5.781385	5.766693	5.818911	5.788131	5.682873
IMP4	ENSG0000	0.054312	7.148718	1.035445	0.314576	0.434196	-6.95522	7.459595	7.387862	7.394976	7.090235	7.262193	7.131034	7.409679	7.301377	7.396646	6.990788	6.825684	7.009523	7.010584	6.955378	6.969849	7.087327	7.092371	7.092244
HS6ST1	ENSG0000	0.121024	5.367677	1.802742	0.088699	0.162361	-5.65624	5.962204	6.143066	6.099032	5.833796	6.121055	5.935541	6.302469	6.060626	5.986227	4.717605	4.682721	4.753161	4.690417	4.623418	4.660464	5.036515	4.854006	4.869935
UGGT1	ENSG0000	0.381858	7.512628	4.427813	0.000347	0.002012	-0.60711	7.492736	7.482659	7.436382	7.904419	7.705634	7.843349	8.196281	8.125413	8.186717	7.256155	7.306534	7.140282	7.151158	7.150305	7.10739	7.283801	7.308267	7.301428
STAM	ENSG0000	-0.04232	4.971078	-0.73219	0.473759	0.593105	-6.87152	5.868521	5.871329	5.743707	5.514147	5.351085	5.272617	5.764215	5.795247	5.732345	4.553726	4.36574	4.494431	4.230502	4.195307	4.284167	4.454386	4.473517	4.45054

ABI1	ENSG0000	-0.11638	5.395916	-1.17506	0.255729	0.370497	-6.59406	5.541658	5.617724	5.613091	5.004446	4.982309	5.046319	5.356409	5.431657	5.396113	5.508112	5.525662	5.445288	5.579365	5.692298	5.663227	5.321433	5.480747	5.557523
YME1L1	ENSG0000	0.023785	7.734955	0.717561	0.482509	0.601277	-7.286	7.817714	7.807469	7.810519	7.76022	7.716066	7.69496	7.816952	7.946298	7.846209	7.692581	7.656671	7.720747	7.640777	7.685972	7.69226	7.681854	7.65627	7.711696
DNAJC1	ENSG0000	-0.08554	4.959193	-1.13545	0.271519	0.3882	-6.47413	5.754732	5.729621	5.653783	5.775282	5.700562	5.730269	5.570773	5.609584	5.629879	4.404248	4.45175	4.48516	4.226655	4.230476	4.12984	4.574001	4.446612	4.115895
NIPSNAP3A	ENSG0000	0.182881	4.023129	1.354903	0.192704	0.296242	-5.98371	4.351916	4.401188	4.1812	4.591236	4.641964	4.537503	4.462805	4.459641	4.444269	3.479955	3.406729	3.232997	4.359059	4.476309	4.372859	3.595997	3.503143	3.621636
LRRC8A	ENSG0000	0.464925	7.69193	3.732207	0.001592	0.006759	-2.17499	6.961579	6.961111	7.043359	6.884177	7.060324	6.988027	6.912793	6.784223	6.817288	7.985035	7.933235	7.99371	8.681475	8.501704	8.519828	8.887402	8.879784	8.808778
CDK9	ENSG0000	-0.11209	5.973724	-2.89975	0.009761	0.028566	-3.79266	5.585841	5.625131	5.605332	5.316663	5.305047	5.35617	5.36994	5.323347	5.355259	6.625566	6.598534	6.6566	6.479022	6.493976	6.483265	6.584245	6.598745	6.62175
TXN	ENSG0000	-0.21448	8.170015	-7.11094	1.49E-06	2.94E-05	4.930045	9.366579	9.404579	9.330763	8.892145	8.911949	8.82856	9.090475	9.165959	9.148325	7.47293	7.401708	7.422759	6.971468	7.015663	7.029726	7.239821	7.213693	7.268865
ODF2	ENSG0000	-0.05898	5.78892	-0.82998	0.417743	0.539506	-6.99374	5.722499	5.759098	5.69823	5.90734	5.769991	5.820014	5.42715	5.439365	5.439755	5.913568	5.976214	5.892483	6.054396	5.895341	5.876944	6.065919	5.964444	6.06346
ECPAS	ENSG0000	0.003225	7.593528	0.10344	0.918792	0.946507	-7.53044	7.866993	7.880471	7.831179	7.813991	7.823139	7.794043	7.783639	7.841115	7.813405	7.399115	7.408893	7.306079	7.327634	7.310309	7.361518	7.44154	7.385852	7.435314
TOR1B	ENSG0000	0.38671	5.909465	4.701459	0.000192	0.001262	0.149159	5.471352	5.337144	5.405371	6.229828	6.212315	6.295356	5.907184	5.899518	5.745052	5.793443	5.89081	5.832828	6.142782	6.081579	6.089462	6.179906	6.166201	6.142619
C9orf78	ENSG0000	-0.19376	6.566182	-4.11971	0.000679	0.003423	-1.22536	6.27001	6.24755	6.303073	6.028317	5.885412	6.062107	5.967764	6.114582	6.0206	7.140111	7.054325	7.170959	7.126081	7.11579	7.085248	6.960663	6.961488	6.975055
SMC2	ENSG0000	0.051137	5.134735	0.395967	0.696921	0.783074	-7.16823	5.588399	5.435922	5.303557	5.190356	5.039662	5.131272	5.59402	5.9217	5.696813	5.473087	5.349076	5.44688	4.072312	4.225504	4.067427	5.278052	5.132464	5.29338
KLF4	ENSG0000	-0.12422	6.761385	-1.80838	0.087786	0.161181	-5.8761	7.281408	7.167981	7.32426	7.123947	7.225589	7.085987	7.21974	7.099686	7.219045	6.508349	6.558479	6.702654	6.077005	6.060794	6.053688	6.502735	6.398038	6.355481
TOR1A	ENSG0000	-0.0309	6.634736	-0.537	0.59804	0.701118	-7.30514	6.805475	6.825146	6.748056	6.681091	6.769624	6.660892	6.53044	6.59359	6.586135	6.590429	6.588624	6.623183	6.511002	6.517557	6.464215	6.752172	6.737476	6.709875
RALGPS1	ENSG0000	0.35783	2.850108	2.073488	0.053202	0.108905	-4.59592	3.026682	2.76681	2.830836	3.472378	3.656958	3.535905	2.696258	2.871824	3.289427	2.163418	2.42184	2.328504	3.794228	3.903166	3.968435	2.890155	2.634012	2.79582
NIBAN2	ENSG0000	-0.05917	8.960005	-0.82447	0.42078	0.542319	-7.30159	8.533904	8.557554	8.579453	8.268262	8.581991	8.377975	8.263672	8.212337	8.182637	9.374023	9.369901	9.475195	9.648919	9.625213	9.582837	9.600157	9.576145	9.52807
ST6GALNA	ENSG0000	0.022444	4.796666	0.146965	0.884841	0.923417	-7.10267	4.712298	4.80064	4.799861	5.667647	5.833285	5.59324	4.666597	4.703199	4.680887	4.573314	4.502533	4.721931	4.684821	4.653345	4.631995	4.743057	4.676269	4.675424
TMOD1	ENSG0000	-0.91609	1.630998	-2.52941	0.021298	0.052829	-3.53154	3.210562	3.114308	3.347346	1.74141	1.953662	1.714252	2.779728	2.753138	2.530983	1.732907	1.922393	1.986992	1.818016	2.127698	1.722572	0.63264	1.795362	1.170016
DAB2IP	ENSG0000	0.104892	5.241653	1.405249	0.177473	0.278539	-6.33393	3.952119	3.855322	3.955676	4.350907	4.694855	4.460795	3.507292	3.619579	3.453254	6.300766	6.374623	6.296559	7.037183	6.947851	6.943304	6.523316	6.582359	6.542236
STXBP1	ENSG0000	-0.08809	5.178753	-1.2114	0.241869	0.354344	-6.43922	5.585841	5.642269	5.69823	5.944151	5.943937	5.997951	5.597858	5.626565	5.650287	4.766072	4.81224	4.750584	4.886014	4.53375	4.745971	4.654234	4.525868	4.641909
SLC2A8	ENSG0000	-0.66938	4.858732	-4.1803	0.000595	0.00309	-0.79538	5.432027	5.393175	5.443586	5.329563	5.431202	5.143594	4.011872	4.341199	4.207726	4.92393	5.014203	5.115519	4.922141	4.529722	4.76576	4.871197	4.773297	4.75819
CDK5RAP2	ENSG0000	-0.17121	5.911415	-2.32003	0.032669	0.074116	-4.90268	6.583748	6.594292	6.553447	5.452586	5.596688	5.550692	6.378072	6.381898	6.3632	5.877782	5.95112	5.948645	5.431803	5.384121	5.428895	5.788317	5.731671	5.870258
ZFP37	ENSG0000	0.735787	0.087963	4.93252	0.000117	0.000855	1.267427	0.318509	0.316291	0.106501	0.258133	0.25478	0.2349	0.269385	0.253663	0.256032	2.444376	2.485369	2.660429	3.442811	3.38415	3.556108	3.113899	3.404065	3.050576
SLC31A2	ENSG0000	-0.1209	2.897921	-0.67595	0.50792	0.623754	-6.45763	3.27548	3.222448	3.119366	2.887595	2.490996	2.845893	3.19904	2.801791	2.981126	2.918737	2.946841	3.164958	3.507651	3.629721	3.707028	3.181381	3.046116	2.687355
SLC31A1	ENSG0000	0.333187	6.918972	6.317861	6.78E-06	9.49E-05	3.445461	7.114013	7.096948	7.090439	7.301391	7.262193	7.277069	7.560877	7.558351	7.560164	6.520509	6.580465	6.536089	6.387234	6.359742	6.338815	6.776536	6.728196	6.723671
TLR4	ENSG0000	-0.31781	1.10301	-3.07921	0.006635	0.021067	-2.70109	0.667115	0.875715	0.829201	0.635873	0.730585	0.461789	0.415731	0.915275	0.515351	3.331423	3.381904	3.380287	3.236398	3.183414	3.326666	3.143207	2.99751	3.176297
ZNF189	ENSG0000	0.508745	4.376759	6.360245	6.24E-06	8.90E-05	3.872566	4.131163	4.108838	4.042515	4.797189	4.56592	4.604407	4.606901	4.677356	4.801363	4.009149	4.061483	3.995227	4.782385	4.743056	4.857757	4.293774	4.419196	4.577525
STX17	ENSG0000	0.436668	4.523371	9.004635	5.59E-08	2.39E-06	8.597174	4.044416	4.006672	4.117166	4.605448	4.701332	4.72411	4.512454	4.533523	4.542164	4.541844	4.51019	4.402219	4.92689	4.89169	4.950015	4.874113	4.833383	4.869935
PRPF4	ENSG0000	0.065057	7.167927	1.322074	0.203186	0.308876	-6.65547	6.815333	6.718377	6.59844	6.48365	6.313024	6.460417	6.851417	6.971313	6.851475	7.886694	7.827274	7.909876	7.333458	7.342239	7.30347	7.894992	7.818961	7.841795
FPGS	ENSG0000	0.176965	5.564502	3.42289	0.003139	0.011631	-2.61294	5.049495	5.003727	5.101429	5.375899	5.488499	5.458352	5.115291	5.122533	5.169792	5.826467	5.843106	5.846165	6.113917	6.02833	6.034784	6.104924	6.111581	5.950669
USP20	ENSG0000	-0.05997	4.736266	-1.20676	0.243603	0.356445	-6.45074	4.12413	4.014214	4.201929	4.392481	4.668652	4.512384	3.988671	4.070428	3.935772	5.272006	5.299125	5.281796	5.626839	5.568187	5.645534	5.26478	5.292118	5.174518
ATP6V1G1	ENSG0000	-0.29237	7.31397	-6.23015	8.06E-06	0.000109	3.235951	7.713798	7.617517	7.622791	7.578538	7.632109	7.642383	7.495511	7.414223	7.471193	7.36805	7.243623	7.28442	6.970893	7.005547	7.028361	6.864953	6.954342	6.915194
TEX10	ENSG0000	0.043454	5.651351	0.930271	0.364902	0.486794	-6.90954	5.253402	5.477439	5.228093	5.294904	5.109506	5.316813	5.374422	5.423907	5.330179	6.140615	6.109458	6.056895	5.902337	5.896905	5.947952	6.084924	6.1187	6.204601
GARNL3	ENSG0000	-0.41068	1.231286	-1.93309	0.069593	0.134547	-4.54005	1.719036	1.708084	1.585853	1.688986	1.718467	2.258349	1.160105	1.231675	1.0941	2.01088	2.053933	1.49011	2.42639	2.657091	2.141451	1.65509	1.442809	2.06284
MRPL50	ENSG0000	-0.34213	6.068067	-7.0466	1.68E-06	3.24E-05	4.940498	6.332364	6.452981	6.234306	5.806374	5.797458	5.799394	5.827697	5.970398	5.845819	6.372958	6.368317	6.387272	6.023688	6.005308	5.990621	6.07988	6.102991	6.228989
DPM2	ENSG0000	-0.06644	6.559371	-1.48884	0.154351	0.249998	-6.35673	6.34754	6.288557	6.291837	6.382055	6.393224	6.326315	6.23506	6.020078	6.22717	6.892852	6.763778	6.916032	6.957029	6.849483	6.910346	6.837573	6.888393	6.830599
TSTD2	ENSG0000	-0.11403	5.253651	-1.39519	0.180436	0.282103	-6.30073	5.269428	5.191734	5.1197	4.927344	4.842803	4.894191	5.188389	5.259465	5.211591	5.473087	5.514285	5.549768	5.545796	5.666849	5.656176	5.351042	5.339201	5.268497
GABBR2	ENSG0000	1.715397	1.955957	4.411101	0.000359	0.002069	0.265093	1.069823	1.118985	1.256574	2.766336	2.881616	2.961768	3.617275	3.749274	3.373665	1.840286	1.827525	1.439812	2.986372	2.784257	2.942182	1.809319	2.429363	1.81044
PSMB7	ENSG0000	-0.30048	7.684477	-5.51383	3.44E-05	0.000332	1.719229	8.282342	8.268462	8.186177	7.596438	7.581218	7.577257	7.913281	7.940878	7.9174	7.669106	7.615559	7.691489	7.382255	7.303837	7.378755	7.428704	7.347581	7.37321
TRMO	ENSG0000	-0.09755	4.532045	-1.01938	0.321926	0.441606	-6.53441	4.933595	5.007511	4.813395	4.753186	4.795153	4.903882	5.043928	5.023446	5.067277	4.359822	4.353024	4.389024	4.390344	4.326476	4.440084	4.306784	3.948889	3.897964
RABEPK	ENSG0000	-0.16925	5.539648	-3.11046	0.006201	0.020006	-3.23618	5.970071	5.948154	5.785507	5.85774	5.865364	5.719334	5.59402	5.535999	5.683673	5.419984	5.325402	5.334367	5.477839	5.417203	5.424752	5.332078	5.274377	5.326909
GOLGA1	ENSG0000	-0.25195	5.809543	-4.59588	0.000241	0.001503	-0.05025	6.253992	6.206989	6.151479	6.05186	6.002805	6.106845	6.011586	5.999368	6.007476	5.714491	5.634754	5.607869	5.709096	5.78983	5.72012	5.323569	5.372937	5.391714
XPA	ENSG0000	-0.0769	4.141358	-0.78477	0.443096	0.563937	-6.69276	4.439509	4.594711	4.631806	4.031135	4.051057	3.926609	4.348988	4.482206	4.640652	4.13575	4.186209	4.04234	4.191564	4.116929	4.104162	4.057652	4.07722	3.984547
NCBP1	ENSG0000	0.025747	6.731126	0.509716	0.616626	0.717592	-7.3386	6.574748	6.43483	6.495858	6.626386	6.578791	6.645089	6.514283	6.497174	6.57728	7.034547	6.972165	6.969641	6.80796	6.863153	6.785854	7.005241	6.968597	7.062697
ANP32B	ENSG0000	0.047946	8.205306	1.161961	0.260873	0.376383	-6.90863	8.444982	8.537739	8.454381	7.966298	7.916562	7.941887	8.364562	8.472528	8.405099	8.233322	8.165517	8.30512	7.760015	7.861283	7.796944	8.391995	8.408471	8.361181
PDCL	ENSG0000	0.232496	4.809101	2.18993	0.042358	0.091092	-4.91387	4.559062	4.83937	4.686762	5.396478	5.248674	5.268872	5.093706	5.348128	5.202407	4.735102	4.679329	4.671058	4.561973	4.660731	4.635585	4.67445	4.617172	4.646745
RPL35	ENSG0000	0.026137	9.059761	0.770728	0.451162	0.571547	-7.3362	9.060701	9.037969	9.020955	9.059893	9.14778	9.012244	9.04551	9.015191	9.057329	9.13809	9.052596	9.04543	8.966486	9.052975	9.02797	9.116476	9.118316	9.150108
CTSV	ENSG0000	-1.15779	3.514091	-8.09529	2.55E-07	7.27E-06	7.153881	4.131163	4.12982	3.863273	2.840308	2.904251	2.961768	3.632324	3.749274	3.513908	4.728129	4.799799	4.786248	3.236398	3.203781	3.361763	3.333216	3.37582	3.149291
LMX1B	ENSG0000	1.614637	2.077525	8.180419	2.20E-07	6.50E-06	7.192366	2.245129	1.780637	2.138168	3.633621	3.6964	3.584921	3.733489	3.462004	3.60036	1.423238	1.616737	1.126631	1.916818	1.897007	1.695314	2.26534	2.295039	2.14716
ARPC5L	ENSG0000	0.094757	6.867659	1.727901	0.101632	0.181011	-6.03727	6.708891	6.689226	6.723177	6.720799	6.795585	6.665172	6.773805	6.844973	6.871895	7.064615	7.047764	7.15058	6.729261	6.801845	6.801916	7.24996	7.097425	7.111611
DSCC1	ENSG0000	-0.32575	3.96496	-1.94463	0.068092	0.132256	-5.38313	3.84498	3.657602	3.500214	2.714828	2.991399	2.805104	3.296733	3.633086	3.181386	5.896563	5.850665	5.98965	2.986372	3.263212	3.234995	5.586184	5.562382	5.57792
DERL1	ENSG0000	0.356579	7.60967	5.692014	2.38E-05	0.000247	2.098526	7.414188	7.416605	7.372295	7.722411	7.658146	7.666778	8.004302	7.967778	8.026161	7.462464	7.469059	7.496893	7.558241	7.553873	7.498902	7.625856	7.542819	7.655824
MYC	ENSG0000	-0.33842	7.326065	-4.48492	0.000306	0.001823	-0.4703	8.549737	8.486129	8.55851	7.038798	7.346222	7.026239	8.322847	8.220189	8.27862	7.180264	7.09626	7.314391	6.192931	6.092543	6.0375	6.814227	6.822775	6.687757
CCN3	ENSG0000	-0.06652	2.242163	-0.70611	0.489425	0.607007	-6.76587	0.41387	1.173893	0.756332	0.841981	1.006428	1.188496	0.782422	1.001115	0.629397	4.966032	5.064472	4.976888	4.876225	4.853528	4.869998	4.917167	4.860815	4.988957
DMAC1	ENSG0000	-0.47595	5.44966	-6.25958	7.61E-06	0.000104	3.488566	6.06494	6.095863	6.069258	5.199754	5.484749	5.377194	5.396627	5.396449	5.526952	5.536332	5.504735	5.574748	5.338642	5.345687	5.138897	5.267	5.227729	5.167806
RANBP6	ENSG0000	0.024934	5.35581	0.262926	0.795682	0.858162	-7.2864	4.785446	4.751848	4.758481	4.988267	4.905853	4.814227	4.968851	5.043815	5.165072	6.128749	6.15168	6.162441	5.445106	5.503938	5.471694	6.007353	5.9786	6.06346
POLR1E	ENSG0000	-0.34016	5.5543	-5.66917	2.50E-05	0.000256	2.212318	5.474121	5.51514	5.581801	4.714371	4.776871	4.627987	4.96291	4.955186	4.855099	6.468108	6.424097	6.450559	5.704954	5.71376	5.609485	6.311593	6.209523	6.24183
PLAA	ENSG0000	-0.00012	5.902804	-0.00267	0.997904	0.998464	-7.35538	6.362559	6.27135	6.323711	5.96359	5.839171	5.916519	6.276361	6.314337	6.354934	5.75279	5.732906	5.720126	5.542705	5.530385	5.589266	5.761793	5.735381	5.717759
IL11RA	ENSG0000	0.294389	1.541707	1.582057	0.131563	0.220895	-5.08016	1.894617	1.780637	2.166567	2.740812	2.333126	2.697781	2.01302	2.451551	2.408535	1.814181	1.777644	1.333627	2.112949	1.793303	1.610309	1.734264	1.581179	1.739782
UBAP2	ENSG0000	-0.0989	6.3758	-1.95713	0.066499	0.129906	-5.60989	6.081373	6.130976	6.207222	6.154502	6.074412	6.252385	6.269158	6.097632	6.181159	6.715578	6.646221	6.665519	6.697651	6.713165	6.767977	6.437198	6.512728	6.485333
APTX	ENSG0000	-0.16083	5.251482	-2.33991	0.031384	0.071774	-4.72841	5.763811	5.736477	5.7295	5.569568	5.321958	5.522662	5.310366	5.550308	5.37991	5.09088	4.959326	5.028853	5.066862	4.985845	5.136365	5.002269	5.066252	5.01537
RNF38	ENSG0000	0.207156	4.505985	2.534409	0.021079	0.052469	-4.24685	3.878801	4.108838	4.011539	4.464421	4.204846	4.420855	4.462805	4.444399	4.372382	4.61171	4.758608	4.626781	5.293386	5.223832	5.181264	4.720549	4.801884	4.7174
TLN1	ENSG0000	-0.36975	8.00667	-8.6427	1.01E-07	3.63E-06	7.684991	8.175841	8.141632	8.249359	7.848009	7.971854	7.920564	7.785323	7.680463	7.686582	8.271296	8.287487	8.149756	8.130838	8.003852	8.049224	7.982388	7.939649	7.950898
DNAJB5	ENSG0000	-0.18687	1.420216	-0.71566	0.483651	0.602081	-6.16462	1.12723	1.226787	1.028027	2.063099	1.864131	1.757653	1.074544	0.253663	1.0941	2.777267	2.714733	2.522234	3.083152	2.985883	2.906973	2.77004	2.535313	2.778299
DCTN3	ENSG0000	0.567672	4.838516	7.99669	3.03E-07	8.28E-06	6.85465	4.12413	3.96057	4.370098	5.092847	4.992907	5.024275	4.8959	4.949799	4.951444	4.696324	4.735932	4.806238	5.368624	5.370673	5.269387	5.122419	5.174064	5.147478
TMEM8B	ENSG0000	-0.36876	3.122707	-1.90052	0.073988	0.141376	-4.92561	4.2778	4.115866	4.201929	3.661095	3.867423	3.807755	3.705302	3.956862	4.08316	2.605258	2.453955	2.756026	3.221013	3.020741	3.116699	2.400938	2.190809	2.119598
GRHPR	ENSG0000	-0.30195	6.429833	-3.87131	0.001172	0.005312	-1.70612	7.232379	7.168826	7.289981	6.844286	6.917424	6.769567	6.810654	6.818617	6.796075	5.988432	5.849156	6.014564	6.147876	6.046769	6.021128	5.818911	5.866346	5.668679
ALDH1B1	ENSG0000	-0.11629	6.295653	-0.9531	0.353534	0.474768	-6.96374	6.186389	6.260292	6.162096	5.569568	5.830334	5.754573	5.916435	5.79224	5.79784	6.561298	6.433187	6.581744	6.982345	7.047001	7.029726	6.679846	6.575131	6.517369
HINT2	ENSG0000	-0.07577	4.596266	-0.99243	0.334528	0.455045	-6.66225	4.461995	4.435299	4.44736	4.43289	4.276	4.330328	4.358069	4.119235	4.189248	5.12579	5.024933	5.201052	4.715338	4.627193	4.752597	5.182472	5.138081	5.033946
ARHGEF39	ENSG0000	0.023271	2.699756	0.137229	0.892418	0.928211	-6.72614	2.744313	2.730641	2.848472	2.605941	2.460774	2.629332	3.072345	3.196885	2.937508	3.688323	3.524821	3.647349	2.112949	2.250257	1.900186	3.350072	3.537548	3.498643
IGFBPL1	ENSG0000	-0.41306	1.822059	-2.59404	0.018623	0.047561	-3.5173	3.262728	3.182839	3.217639	2.103714	2.078331	1.714252	2.933443	3.043491	2.471058	2.37464	2.453955	2.396013	1.054048	1.120667	0.910419	2.494877	2.054898	1.775544
DENND4C	ENSG0000	-2.76E-05	4.858308	-0.00041	0.999679	0.999679	-7.13182	5.015692	4.965333	4.938064	5.392386	5.375591	5.605169	4.83866	4.911516	5.021009	4.517783	4.765022	4.47583	4.914988	4.879081	4.920894	4.630284	4.676269	4.536426
RPS6	ENSG0000	-0.03865	9.849055	-1.41787	0.173811	0.274093	-6.68067	10.26547	10.25178	10.2142	10.08989	10.08937	10.05802	10.18371	10.1881	10.23488	9.622823	9.545268	9.565562	9.399805	9.493757	9.481769	9.508112	9.532833	9.587594
CNPY3	ENSG0000	-0.3046	5.866267	-5.25852	5.85E-05	0.000496	1.352233	5.922218	5.926333	5.750758	5.860706	5.745129	5.970546	5.586312	5.376512	5.591697	6.126099	6.041075	6.077603	6.279957	6.234178	6.123092	5.958727	5.784554	5.699258
FOXP4	ENSG0000	-0.23088	6.732559	-2.35563	0.030402	0.069874	-4.92989	6.662315	6.640104	6.777125	6.692786	6.88365	6.668018	6.237523	5.940834	6.143263	6.962842	6.855293	7.030918	7.069756	6.994629	6.921416	7.008562	7.047564	6.907156
PPIL1	ENSG0000	0.57373	6.018368	9.941999	1.30E-08	8.09E-07	9.922264	5.184082	5.318988	5.183625	5.626427	5.644527	5.762585	6.005819	5.957035	6.106808	6.292517	6.238361	6.183609	6.452917	6.41974	6.429485	6.679846	6.62698	6.652128
KLC4	ENSG0000	-0.17662	4.11312	-2.2085	0.040829	0.088472	-4.73032	4.25866	4.080378	4.314076	4.325376	4.177232	4.264152	4.011872	4.040332	4.141991	4.109157	4.152359	4.128223	4.493192	4.545767	4.606616	3.854102	3.980496	4.073428
KIF13A	ENSG0000	-0.12403	5.44611	-2.52121	0.021663	0.05351	-4.4311	5.434871	5.352102	5.30675	5.605366	5.454395	5.528939	5.136557	5.285358	5.087374	5.546278	5.525662	5.470561	5.871875	5.860486	5.854018	5.528118	5.370553	5.425873
ZSCAN9	ENSG0000	0.003828	3.834033	0.035911	0.971761	0.981755	-6.98563	3.738482	3.505362	3.39613	3.456785	3.34578	3.405543	3.733489	3.659726	3.668646	4.232554	4.132653	4.235316	4.687622	4.686287	4.580783	4.117945	4.247965	4.080593
PIM1	ENSG0000	-0.6212	4.67889	-6.75948	2.89E-06	4.92E-05	4.494356	4.48962	4.429669	4.600923	3.237064	3.34578	3.349911	3.219115	3.431409	3.289427	6.18458	6.186741	6.402946	5.318904	5.397445	5.241392	5.884016	5.818179	5.78729
GMPR	ENSG0000	-0.18356	0.910634	-0.66712	0.513408	0.628381	-6.05018	1.602421	1.465573	1.499186	1.326771	1.437317	1.188496	0.670238	0.622068	0.515351	1.891119	1.672391	1.877881	2.112949	2.363215	2.365487	2.432936	1.90484	2.226823
CMTR1	ENSG0000	-0.2871	5.739576	-5.3608	4.73E-05	0.000422	1.576476	5.85584	5.946183	5.856953	5.506594	5.469652	5.553773	5.405414	5.535999	5.646906	6.027299	5.973448	5.991834	5.935709	5.874847	5.908441	5.680829	5.835567	5.809023
TFAP2A	ENSG0000	0.03528	5.581444	0.614886	0.546553	0.657665	-6.96225	6.910376	6.834762	6.898496	7.091498	7.113501	7.176717	6.906617	6.865145	6.975272	4.026306	4.292151	4.238998	4.546627	4.394504	4.381435	4.271827	4.318914	4.051715
YIPF3	ENSG0000	0.054378	6.989718	1.080178	0.294743	0.413314	-6.88762	6.602846	6.561206	6.523568	7.329489	7.312772	7.322939	6.794021	6.590132	6.711201	7.015342	7.01383	6.964647	7.473133	7.412282	7.454376	6.96272	7.020453	6.965411
TMEM14B	ENSG0000	-0.1716	5.745693	-1.87862	0.077081	0.146089	-5.66001	6.012583	5.969649	6.025351	5.444703	5.239802	5.298562	5.767627	5.774066	5.751363	5.951485	5.903948	5.8255	5.817926	5.970071	5.822871	5.865084	5.676776	5.806864
TMEM63B	ENSG0000	-0.01131	5.833425	-0.19095	0.850765	0.899429	-7.31373	6.00877	5.959918	6.059826	6.004384	6.054313	6.083584	5.900984	5.856983	5.9889	5.571821	5.573951	5.599302	6.045689	5.940035	5.902495	5.726727	5.64557	5.549799
FRS3	ENSG0000	-0.48083	1.602796	-2.75431	0.013301	0.036532	-3.20787	2.345296	2.179863	2.018628	1.256461	1.556428	1.310092	1.459147	1.809233	1.674905	2.30136	2.405511	2.638296	2.579013	2.381211	2.382676	2.115663	2.006592	2.442395
TJAP1	ENSG0000	-0.31721	5.49455	-3.78024	0.001432	0.00622	-1.82836	5.98955	5.889898	6.021469	4.898777	5.104628	5.015363	5.59402	5.447033	5.534291	5.783387	5.708155	5.720126	5.441792	5.303845	5.443303	5.500074	5.545575	5.562649
KIAA0319	ENSG0000	0.176705	3.113988	1.248797	0.228208	0.338826	-5.77515	4.600191	4.687262	4.458888	4.440838	4.825118	4.751204	4.864381	4.709588	4.770621	2.056133	1.827525	1.800268	2.42639	2.06228	2.294605	1.970607	1.766644	2.14716
SLC22A23	ENSG0000	-0.05144	0.157388	-0.18768	0.853289	0.901119	-5.95658	5.230664	5.03743	5.018167	5.195063	5.248674	5.283793	5.131269	4.938965	5.021009	0.106501	0.106501	0.106501	0.106501	0.106501	0.263213	0.106501	0.106501	0.106501
TUBB2A	ENSG0000	-0.85435	3.769905	-2.58139	0.01912	0.048529	-3.85861	5.616234	5.438728	5.423134	4.299384	4.701332	4.071231	3.879385	3.935218	3.924645	2.843296	2.877496	2.855308	3.783794	3.568213	3.387537	3.324713	3.046116	3.121769
LRRC1	ENSG0000	-0.14939	4.000883	-2.37656	0.029138	0.067658	-4.52171	3.313074	3.057038	3.176339	3.456785	3.260629	3.608819	3.137083	2.777669	3.124172	5.009819	5.032928	5.022459	5.036421	5.117812	5.205617	4.925625	4.867593	4.857474
FOXF2	ENSG0000	-0.60002	-0.59374	-2.91191	0.009511	0.027948	-2.58573	4.226185	4.330447	4.301326	4.082842	3.855857	3.711713	3.705302	3.592179	3.628063	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
BPHL	ENSG0000	-0.19761	4.12062	-1.60535	0.126332	0.214285	-5.73593	4.036946	4.366251	3.93931	4.072648	4.061165	4.130213	4.057185	3.90213	4.243986	4.192583	4.162112	4.303708	4.774502	4.660731	4.909079	3.97856	4.017531	3.889829
RIPK1	ENSG0000	0.08652	5.722033	1.941733	0.068466	0.132875	-5.55431	5.45743	5.469231	5.378308	5.540275	5.465853	5.431804	5.570773	5.302366	5.541593	5.966378	5.89081	5.960958	6.153965	6.081579	6.120533	6.067194	6.024808	6.086777
TUBB2B	ENSG0000	0.445995	1.672521	1.34035	0.197296	0.30177	-5.54821	2.438959	2.206444	2.351095	1.634586	1.953662	1.575618	1.074544	1.491012	1.314712	1.964162	1.672391	1.759838	2.83289	2.700737	2.559363	2.819293	3.046116	2.687355
UQCC2	ENSG0000	-0.06564	6.137147	-1.3048	0.20888	0.315759	-6.57534	5.736401	5.776943	5.803703	5.464331	5.431202	5.503669	5.704947	5.730749	5.860491	6.935101	6.784447	6.925202	6.252789	6.320645	6.307655	6.767153	6.704733	6.862127
HMGA1	ENSG0000	-0.2691	9.098756	-3.43634	0.003048	0.011364	-2.93109	9.209739	9.165161	9.203561	7.542982	7.66479	7.479383	8.689936	8.490262	8.585927	10.27322	10.11459	10.23742	8.873603	8.833844	8.86667	10.18192	10.1957	10.22892
TCF19	ENSG0000	-0.26269	3.915234	-1.23762	0.232225	0.343324	-6.33928	3.810347	3.863696	3.819232	3.441022	3.207016	3.485165	3.602068	3.856799	3.681923	5.419984	5.336211	5.507659	2.802201	2.743101	2.756856	5.09768	5.115482	5.019105
FLOT1	ENSG0000	-0.03716	7.354014	-0.49458	0.627056	0.726583	-7.40008	7.140394	7.166289	7.226485	7.316588	7.421707	7.351548	7.411861	7.260623	7.341236	7.651706	7.604872	7.625516	7.292184	7.228802	7.24475	7.368966	7.473983	7.409228
IER3	ENSG0000	0.31598	7.549071	4.363467	0.000399	0.00225	-0.73266	8.772428	8.692657	8.734513	7.895049	7.96783	7.937766	9.167395	9.07332	9.15875	6.467061	6.585004	6.804305	6.129452	6.08981	6.102489	6.911119	6.811396	6.772053
MDC1	ENSG0000	-0.11768	5.425535	-1.21667	0.239905	0.352048	-6.57731	5.626225	5.630049	5.703085	5.020445	5.008661	5.191857	5.519082	5.550308	5.602211	6.060989	5.948304	5.944141	4.737134	4.600559	4.642737	5.857736	5.812922	5.855713
PGBD1	ENSG0000	0.262203	2.64888	2.610553	0.017993	0.046208	-3.63497	2.369288	2.470453	2.326135	3.181227	2.881616	3.18484	2.908934	2.848856	2.501332	2.790717	2.889287	2.87437	3.100071	3.223865	3.21594	2.935534	3.034117	2.990979
ATAT1	ENSG0000	-0.58718	3.727219	-6.49606	4.79E-06	7.22E-05	4.206604	3.783815	3.686213	3.863273	3.308302	3.602632	3.523386	3.440463	2.981485	3.044176	4.30464	4.390842	4.289577	4.577158	4.358622	4.496442	3.775173	3.815048	3.906054
TPMT	ENSG0000	0.171756	4.416881	1.842301	0.082463	0.153893	-5.48252	3.983545	3.944869	3.88052	4.218476	4.240862	3.858473	4.254886	4.365678	4.296723	4.64911	4.623947	4.69001	5.214008	5.211312	5.181264	4.77149	4.668528	4.731125
RNF144B	ENSG0000	-0.55404	3.910636	-2.33898	0.031443	0.071885	-4.57832	3.999005	4.036608	3.96379	2.605941	2.762786	2.196611	3.072345	3.063581	2.915195	4.634266	4.987026	4.745417	5.366878	5.434541	5.546053	4.422866	4.455636	4.4056
NRM	ENSG0000	0.092423	3.376155	0.665853	0.514198	0.629077	-6.60134	3.476616	3.450822	3.597291	3.54791	3.722109	3.689474	3.178682	3.415864	3.340558	3.695491	3.517242	3.590847	3.181815	3.054776	3.244428	3.917673	3.786722	3.865145
MTCH1	ENSG0000	0.168804	7.329149	3.994607	0.000894	0.004267	-1.55205	6.927647	6.959159	6.989732	7.402524	7.482199	7.382203	7.271123	7.205184	7.263882	7.388097	7.280467	7.387947	7.682798	7.617407	7.598818	7.4292	7.428873	7.395647
VARS2	ENSG0000	-0.54485	5.084369	-9.33325	3.31E-08	1.60E-06	9.084399	5.747885	5.605293	5.643717	5.367584	5.34696	5.411567	5.021241	5.028565	5.015776	5.141621	5.169742	5.199163	4.91976	4.736081	4.725907	4.664377	4.780497	4.793504
TAF8	ENSG0000	-0.06919	4.346627	-0.92605	0.367031	0.488837	-6.66419	4.081197	4.275018	4.222364	3.875646	4.081169	4.000731	4.321396	4.166444	4.549426	4.829349	4.752166	4.72456	4.610014	4.704269	4.602954	4.581158	4.517274	4.656368
FAM8A1	ENSG0000	1.891515	4.105893	11.0641	2.55E-09	2.24E-07	11.68702	2.392887	2.935191	2.916938	5.087795	4.944587	5.019826	5.262806	5.122533	5.141238	3.165825	3.204502	3.195594	4.742532	4.79096	4.708971	4.32821	4.512957	4.353311
C6orf52	ENSG0000	-0.49807	-0.28833	-1.95138	0.067228	0.130919	-4.59244	0.667115	0.582935	0.679585	0.106501	0.106501	0.3528	0.269385	0.387194	0.106501	2.224158	2.405511	2.497858	1.973006	2.127698	1.749324	2.115663	2.233409	2.174206
FGFBP1	ENSG0000	0.810132	1.861352	3.238615	0.004695	0.01603	-2.745	2.369288	2.179863	1.888281	0.258133	0.106501	0.563119	0.548589	0.915275	0.39151	4.341661	4.256177	4.34187	3.513977	3.731427	3.608189	5.392313	5.329416	5.308717
CPEB2	ENSG0000	-0.43475	5.673103	-5.20135	6.60E-05	0.000545	1.312101	6.669579	6.777189	6.817981	6.209037	6.133083	6.382847	6.512251	6.397811	6.456933	5.165048	5.24967	5.251133	4.861416	4.9104	5.058283	4.723786	4.609106	4.541628
FHDC1	ENSG0000	0.154886	5.44778	1.350383	0.19412	0.297969	-6.32803	5.520388	5.334134	5.46661	6.117792	6.154483	6.087841	6.065248	5.973056	5.994232	5.057888	5.251956	5.072837	5.356354	5.31559	5.397528	4.950708	4.826442	4.75819
TLR2	ENSG0000	-0.14952	-0.60931	-0.58332	0.567132	0.676635	-6.10056	0.216396	0.215206	0.219246	0.258133	0.25478	0.106501	0.415731	0.106501	0.515351	2.056133	2.053933	2.198406	2.145912	2.21055	1.876113	1.970607	1.581179	2.091498
MYO7A	ENSG0000	0.51366	1.025655	3.620469	0.002035	0.008185	-1.4554	0.41387	0.410755	0.679585	1.022291	1.006428	1.367251	0.548589	0.726566	0.833554	2.574485	2.575707	2.638296	3.165832	3.282491	3.106389	3.094024	2.99751	2.863849
FCHSD2	ENSG0000	0.187508	4.164299	1.602926	0.126868	0.21499	-5.73683	4.179456	4.190995	4.087767	4.707799	4.694855	4.662649	4.293266	4.413424	4.170531	3.882973	4.186209	4.182763	3.997531	3.993677	3.922159	4.298124	4.189664	4.382594
ARRB1	ENSG0000	-0.70317	3.428529	-3.96928	0.000945	0.004471	-1.13336	1.894617	2.039077	2.248556	3.181227	3.151334	3.216292	1.917967	1.988058	1.727075	5.364851	5.296913	5.330922	4.816056	4.79096	4.698713	4.555953	4.572242	4.567359
THAP12	ENSG0000	-0.20886	6.433516	-5.45983	3.84E-05	0.000363	1.688603	6.231262	6.277631	6.20893	5.927278	5.842105	5.832753	5.894757	6.090306	5.880784	7.069451	7.003695	7.076384	6.683689	6.691694	6.73322	6.899	6.880038	6.90413
ANKRD42	ENSG0000	-0.16735	4.579578	-2.38638	0.028562	0.066655	-4.54772	4.393455	4.538284	4.370098	4.3081	4.408574	4.393601	4.544628	4.273815	4.112876	4.971948	4.824575	4.876465	5.190502	5.107039	5.082154	4.717304	4.683969	4.75819
IL18BP	ENSG0000	-0.31902	2.110121	-2.01809	0.0592	0.118552	-4.64675	1.959273	2.068355	2.326135	2.48816	2.03796	2.5075	1.648695	1.658879	1.918715	3.047564	3.175905	2.714318	2.770846	2.48471	2.782986	2.639009	2.908298	2.724423
NUMA1	ENSG0000	-0.0278	7.46099	-0.68076	0.504944	0.620849	-7.30369	6.809865	6.692755	6.793151	6.970438	7.076608	6.891478	6.768706	6.80227	6.746384	8.021855	8.001031	7.9651	8.396763	8.341184	8.350523	7.93883	7.953253	7.94453
CCDC90B	ENSG0000	-0.31971	5.74526	-2.23552	0.038695	0.084692	-5.02077	6.188076	6.257117	6.147923	5.525403	5.4273	5.503669	5.55111	5.78015	5.619566	5.684183	5.624209	5.720126	6.082337	6.063583	6.053688	5.623057	5.398901	5.668679
SYTL2	ENSG0000	-0.95737	6.031206	-3.19806	0.005128	0.017221	-3.13941	6.746015	6.743552	6.694209	5.12773	5.185395	5.135391	5.374422	5.396449	5.278673	6.291335	6.351367	6.230596	7.061142	7.130493	7.170609	5.747551	5.672912	5.680517
RAB30	ENSG0000	0.03702	3.837326	0.350873	0.729877	0.808999	-6.85532	3.86199	3.829904	3.93931	3.999198	3.630051	4.027574	4.079318	4.090149	3.957772	3.812196	3.786782	3.804677	4.294375	4.269646	4.265755	3.806044	3.713375	3.734962
CREBZF	ENSG0000	0.173276	5.687495	2.699211	0.014941	0.039941	-4.1415	5.071598	5.127117	5.152017	5.587578	5.411586	5.625812	5.422829	5.477302	5.605699	5.961926	6.118253	5.909908	6.078073	6.123609	6.155956	5.981894	6.076911	6.019396
PRCP	ENSG0000	0.080611	6.16734	1.589203	0.129939	0.218943	-6.13298	6.25238	6.158464	6.169131	6.605325	6.510356	6.479985	6.281144	6.303819	6.236199	5.814994	5.81247	5.815673	6.425492	6.409912	6.424306	5.885462	5.879817	5.925024
NARS2	ENSG0000	-0.31657	4.817601	-4.44453	0.000334	0.001954	-0.27043	5.142921	5.10962	5.141325	4.342447	4.213935	4.351728	4.812472	4.771967	4.751857	5.200749	5.125563	5.290692	4.841432	4.901075	4.860827	4.980783	4.946531	4.886383

RNF121	ENSG0000	0.193048	5.716608	4.174357	0.000603	0.003113	-0.98986	5.37392	5.525733	5.347631	5.615935	5.763816	5.625812	5.65424	5.643348	5.690258	5.814994	5.895203	5.750105	6.017022	5.874847	5.917315	5.958727	5.934095	6.006286
MRPL15	ENSG0000	-0.15215	6.60672	-4.04051	0.000808	0.003943	-1.39745	6.682802	6.722987	6.610118	6.329513	6.223609	6.306359	6.473082	6.486052	6.429644	6.881898	6.826451	6.947311	6.628635	6.670813	6.631735	6.805851	6.799927	6.740733
PI15	ENSG0000	0.216599	-0.96295	1.534638	0.142776	0.235202	-5.27109	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.47802	2.42184	2.272125	2.968056	2.714997	2.930541	2.26534	2.429363	2.975687
TTPA	ENSG0000	-0.34149	-0.23877	-0.93842	0.360816	0.482771	-5.51792	2.080492	2.09705	1.987129	1.634586	1.666451	0.830331	1.317361	1.809233	1.620777	0.669294	0.748206	0.449284	0.294634	0.345231	0.186984	1.099384	0.637375	0.409347
GGH	ENSG0000	0.172795	5.093388	0.603416	0.553983	0.664341	-6.90202	6.377422	6.346469	6.357977	6.725687	6.56997	6.566424	6.693573	6.770538	6.749541	4.476768	4.467566	4.560653	2.579013	2.451029	2.756856	4.175819	4.167865	4.311289
SLCO5A1	ENSG0000	2.392616	1.100183	6.030753	1.20E-05	0.000148	3.37434	1.010037	1.002471	1.028027	4.062381	3.89028	4.202668	3.137083	3.3682	3.543305	0.609835	0.748206	0.726056	1.446877	1.120667	1.129895	1.099384	0.871168	0.999041
SULF1	ENSG0000	0.049997	0.419304	0.228391	0.821993	0.877991	-6.25709	0.503316	0.499412	0.323815	0.934951	0.92021	1.055701	0.269385	0.387194	0.106501	1.891119	2.212518	1.933468	3.629193	3.599295	3.773698	2.013561	2.410923	2.350536
TGS1	ENSG0000	0.261097	5.961956	4.417015	0.000355	0.002049	-0.52049	5.506933	5.531	5.449376	5.092847	5.138434	5.211499	5.668911	5.689327	5.530627	6.374075	6.475845	6.382287	6.513372	6.481518	6.500099	6.733023	6.716043	6.783075
SDCBP	ENSG0000	-0.36189	8.251296	-9.45655	2.73E-08	1.39E-06	9.044038	9.132551	9.163466	9.085821	9.002988	9.023737	9.034195	8.867366	8.874083	8.829842	7.778205	7.731041	7.741659	7.468254	7.531386	7.490007	7.279408	7.227589	7.362962
NEK1	ENSG0000	-0.1211	4.65513	-1.43088	0.170101	0.269609	-6.01378	5.501516	5.463733	5.584434	5.591153	5.435093	5.391041	5.440037	5.423907	5.559688	3.920163	3.884278	4.059098	4.122859	4.240369	4.179864	3.685048	3.863317	3.660409
DDX60	ENSG0000	-0.11359	6.033984	-1.15542	0.263471	0.379397	-6.78301	4.679091	4.677795	4.537101	4.092964	4.222966	4.096805	3.988671	4.019913	4.063004	8.220025	8.267014	8.2178	7.155717	7.173725	7.243575	8.206316	8.243068	8.289943
SORL1	ENSG0000	-0.449	5.230571	-4.47601	0.000312	0.001853	-0.37559	4.073915	4.150501	3.783005	2.359902	2.991399	3.086148	3.027514	2.938616	2.82232	7.701509	7.765838	7.486478	7.290803	7.222577	7.178627	7.393565	7.281873	7.290655
TMPRSS4	ENSG0000	-0.21872	2.333945	-3.89689	0.001108	0.005072	-1.68368	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	8.991462	8.855	8.925328	8.642486	8.613208	8.635932	8.687838	8.689942	8.698994
BUD13	ENSG0000	-0.05839	4.637493	-1.01509	0.323908	0.443684	-6.66493	4.48962	4.383825	4.332993	4.122913	4.030628	4.264152	4.174919	4.290959	4.339245	5.1881	5.314511	5.313568	4.871306	4.756906	4.950015	5.262556	5.176796	5.32087
MMP7	ENSG0000	-1.26358	4.143989	-5.86611	1.67E-05	0.000191	2.859456	4.428132	4.372133	4.109872	3.041869	3.329147	3.168853	1.867984	2.324112	1.873138	5.464721	5.557418	5.55273	5.897506	6.009653	6.092077	4.37013	4.874338	4.637057
CFAP300	ENSG0000	-0.1035	0.682257	-0.41505	0.683152	0.772969	-6.0973	1.069823	1.327092	1.30847	1.457877	1.373859	1.250575	1.160105	0.387194	0.735084	1.616888	1.335727	1.49011	2.096181	2.148862	2.23906	1.599785	1.766644	1.877799
DCUN1D5	ENSG0000	-0.00828	6.084627	-0.20101	0.843015	0.893848	-7.39064	5.879004	5.80765	5.863473	5.749917	5.596688	5.657664	5.791286	5.935393	5.785592	6.477494	6.430163	6.624591	6.254679	6.295956	6.259615	6.533497	6.475502	6.508098
YAP1	ENSG0000	-0.21223	7.234616	-5.49661	3.56E-05	0.000341	1.706838	7.084425	7.165443	7.095064	7.001668	6.900636	6.985748	6.83525	6.866575	6.7289	7.561902	7.599947	7.572884	7.549414	7.518741	7.613453	7.462038	7.459477	7.402811
SLC37A4	ENSG0000	-0.06798	5.445688	-0.74245	0.467679	0.587267	-7.03729	5.454629	5.334134	5.402389	4.955356	4.836932	4.627987	5.67619	5.543171	5.489686	5.90277	5.826337	5.852187	5.594369	5.577973	5.643753	5.628249	5.615689	5.687573
RDX	ENSG0000	0.218001	6.775721	2.479944	0.023587	0.057397	-4.66702	7.233196	7.215375	7.086729	7.283824	7.217704	7.22873	7.632794	7.65089	7.630333	6.199783	6.19032	6.154665	6.326528	6.385602	6.39813	6.12954	6.157931	6.106218
PPP2R1B	ENSG0000	-0.07656	6.88296	-0.46948	0.64453	0.742241	-7.35375	6.940715	7.034342	6.871794	7.54851	7.459453	7.548199	7.104404	7.138087	7.093013	6.994425	6.909856	6.936015	6.17308	6.20921	6.278105	6.58869	6.632959	6.668864
FDX1	ENSG0000	-0.11201	4.890786	-1.65647	0.115468	0.199831	-5.82466	5.420591	5.346137	5.405371	5.05192	4.933626	4.997371	5.387786	5.224202	5.174497	4.73162	4.675929	4.72456	4.577158	4.671739	4.759194	4.694387	4.648991	4.520707
C11orf1	ENSG0000	-0.16587	4.620991	-2.28105	0.035331	0.078863	-4.77905	4.339825	4.204245	4.262385	4.112999	4.13	4.079806	4.057185	4.080322	4.073118	5.117808	5.186564	5.149169	5.530276	5.489494	5.467673	5.102661	4.940116	5.000336
ARHGAP2(	ENSG0000	-0.31664	-1.14053	-1.12827	0.274455	0.391571	-5.46013	0.106501	0.215206	0.219246	0.258133	0.25478	0.2349	0.415731	0.106501	0.106501	1.457372	1.752042	1.46518	1.711947	1.871771	1.610309	1.177011	1.513652	1.058313
MMP13	ENSG0000	-0.62622	0.910391	-6.49809	4.77E-06	7.21E-05	4.09787	0.106501	0.316291	0.323815	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	5.678768	5.731269	5.755256	5.225618	5.468605	5.51326	5.049474	5.160331	5.184529
TMPRSS13	ENSG0000	0.918392	0.220477	12.13088	6.08E-10	7.74E-08	13.09846	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.87668	4.186209	4.033888	5.368624	5.255884	5.278599	4.835732	4.999943	4.969789
CASP1	ENSG0000	0.398557	2.230033	2.77682	0.012682	0.035218	-3.27561	1.642349	1.744817	1.667608	2.393052	2.299368	2.481849	2.226405	2.420731	2.588518	3.024981	2.85362	2.786535	2.67247	2.913535	2.918805	2.901634	3.081525	3.021085
ALKBH8	ENSG0000	0.526108	3.875988	5.180911	6.89E-05	0.000565	1.483978	3.210562	2.91921	3.06005	3.753334	3.670226	3.419122	4.057185	3.999201	3.935772	4.318634	3.997554	4.209279	4.505944	4.600559	4.595601	4.426844	4.469068	4.520707
MAP2K5	ENSG0000	-0.06553	4.280816	-0.54379	0.593453	0.697577	-6.86057	4.605251	4.835117	4.696533	4.392481	4.360275	4.358792	4.629578	4.562048	4.606245	4.054455	4.071868	3.955502	4.568067	4.307781	4.398437	4.026533	4.134537	3.865145
SQOR	ENSG0000	-0.17684	3.546043	-0.83836	0.413147	0.534999	-6.35837	5.440544	5.507143	5.443586	4.132759	4.335505	4.256608	5.193472	4.922558	4.951444	2.18395	2.469748	2.25768	2.529911	2.533802	2.382676	2.831347	2.711397	2.863849
CTDSPL2	ENSG0000	0.298194	5.313117	2.839554	0.0111	0.03159	-3.79535	5.023273	5.022548	5.130553	5.316663	5.305047	5.418344	5.67619	5.592401	5.598715	5.604555	5.419887	5.501542	4.888451	5.05754	5.014844	5.570088	5.593376	5.580449
SLTM	ENSG0000	-0.10014	6.992787	-1.21614	0.240101	0.352298	-6.75413	6.818604	6.793718	6.760919	6.892894	6.875081	6.892695	6.718467	6.759804	6.725698	7.416571	7.406844	7.457145	6.921776	6.892465	6.892456	7.29527	7.257568	7.305256
THBS1	ENSG0000	-0.83645	7.626388	-2.30978	0.03335	0.07547	-5.14796	7.623171	7.415894	7.446551	4.072648	4.335505	4.323123	5.115291	5.103252	5.211591	9.658221	9.628087	9.638544	9.907522	9.832549	9.896668	9.517469	9.485015	9.472468
MAPKBP1	ENSG0000	0.094013	3.901998	1.026656	0.318582	0.438328	-6.34419	3.999005	3.888531	4.320409	4.63346	4.776871	4.627987	4.034706	4.166444	4.198517	3.471629	3.709078	3.526028	3.988472	3.766081	3.945482	3.6717	3.690624	3.621636
NUSAP1	ENSG0000	-0.03349	5.454651	-0.15793	0.876325	0.917338	-7.29136	6.214805	6.279197	6.291837	5.487537	5.60362	5.654797	6.398022	6.452163	6.405835	5.887203	5.749173	5.884278	3.228726	3.528394	3.244428	5.591509	5.609638	5.528997
NDUFAF1	ENSG0000	0.054652	4.291169	0.567643	0.577497	0.684471	-6.80379	5.246942	5.355074	5.204319	4.845887	4.621619	4.78306	5.431459	5.360361	5.216162	3.420635	3.709078	3.809637	3.429485	3.652127	3.593499	3.617041	3.743163	3.744016
KIF23	ENSG0000	-0.00999	5.639808	-0.06273	0.950691	0.968176	-7.31741	6.374462	6.282324	6.320555	6.025677	5.824412	5.870309	6.369117	6.383897	6.407834	5.742445	5.693098	5.759107	4.041988	4.045377	4.109334	5.669122	5.539222	5.699258
KNL1	ENSG0000	0.613656	3.513418	2.436235	0.0258	0.061522	-4.18514	3.827767	4.006672	3.987862	3.827958	4.030628	3.964146	4.737903	5.141559	4.889843	3.792275	3.854512	3.519989	1.797417	1.970168	1.749324	3.724364	3.537548	3.856822
HAUS2	ENSG0000	-0.01258	5.267714	-0.30307	0.765415	0.835643	-7.21913	5.677569	5.649552	5.589687	5.176143	5.114368	5.114677	5.624444	5.6164	5.470686	5.307527	5.312323	5.308321	4.818614	4.850301	4.848508	5.273642	5.419802	5.347846
RTF1	ENSG0000	-0.12659	6.609663	-2.47786	0.023688	0.057594	-4.67801	7.08533	7.10315	7.122505	6.450574	6.632311	6.700353	6.983449	6.937692	6.876233	6.453384	6.462095	6.517263	6.202755	6.290015	6.236164	6.403278	6.350449	6.447035
PARP6	ENSG0000	0.246346	5.7976	3.180283	0.00533	0.017749	-3.16529	5.616234	5.455446	5.519862	5.587578	5.438974	5.590242	5.422829	5.431657	5.408147	5.805088	5.874589	5.867727	6.317514	6.26358	6.290681	6.294279	6.319888	6.345106
RPLP1	ENSG0000	0.077297	9.682304	1.53168	0.143501	0.236148	-6.50997	9.95386	9.915716	9.931953	10.17455	10.2297	10.04015	9.996672	9.951372	10.01695	9.374303	9.316863	9.28229	9.237128	9.297482	9.325819	9.37663	9.421809	9.471957
PAQR5	ENSG0000	0.372667	2.87102	3.778455	0.001438	0.006238	-1.07907	4.949597	4.95753	5.018167	5.388282	5.450555	5.474701	5.296262	5.462247	5.313214	1.315703	1.228418	1.094478	1.420179	1.495836	1.355599	1.320757	1.289746	1.322858
LRRC49	ENSG0000	0.541639	2.240153	4.95339	0.000112	0.000826	1.311503	2.245129	2.039077	2.326135	2.425456	2.686486	2.825643	2.480375	2.511284	2.501332	2.356666	2.320972	2.409144	2.51737	2.517623	2.703134	2.890155	2.921385	2.863849
TUBGCP4	ENSG0000	0.386037	5.358393	5.48691	3.63E-05	0.000346	1.90917	5.316463	5.278849	5.293935	5.629907	5.49597	5.575159	5.814563	5.862728	5.706591	5.24539	5.27461	5.119519	5.081845	4.974036	5.012085	5.52441	5.384796	5.518482
RMDN3	ENSG0000	-0.15315	6.248454	-2.76043	0.01313	0.036166	-4.09143	6.355069	6.424961	6.301474	5.958063	5.957528	5.897242	6.33962	6.295349	6.327739	6.504273	6.416986	6.536837	6.244253	6.304233	6.211124	6.269019	6.239876	6.24183
ITPKA	ENSG0000	0.584497	0.352507	1.664253	0.113886	0.197598	-4.76811	1.235614	1.780637	1.406977	1.791994	1.996426	1.956998	1.648695	1.945386	1.777424	0.669294	0.799097	1.248523	0.407676	0.7293	0.404558	1.177011	1.2488	1.273688
UACA	ENSG0000	-0.63302	4.931999	-8.06609	2.68E-07	7.55E-06	6.935602	4.829349	4.872944	4.715879	4.236852	4.376555	4.308605	3.828023	4.09991	3.746538	5.730282	5.88346	5.804535	5.732343	5.791513	5.824445	5.375946	5.251241	5.347846
SMAD6	ENSG0000	0.347592	5.173986	2.470206	0.024064	0.058259	-4.52421	3.878801	3.608619	3.489013	4.612502	4.97698	4.702062	5.055139	4.790167	4.837409	5.785068	5.835508	5.840118	6.459487	6.341475	6.396015	5.830969	5.780968	5.817625
PLCB2	ENSG0000	0.018829	0.160208	0.101646	0.920195	0.947469	-6.0993	1.384302	1.061904	1.453818	0.742604	1.006428	0.830331	0.886508	1.001115	1.171446	1.158593	1.112482	1.333627	0.945898	0.888753	0.957066	1.482378	1.547811	1.222783
TMEM62	ENSG0000	0.302753	4.781477	4.244997	0.000516	0.00277	-0.66261	4.664623	4.663476	4.569365	5.062262	5.044764	5.1639	4.902122	5.007978	4.855099	4.671093	4.637993	4.706059	4.687622	4.820936	4.698713	4.986185	4.917433	4.973643
PAK6	ENSG0000	0.352471	-0.60912	4.587395	0.000245	0.001525	0.495272	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.236329	3.106888	3.157196	2.949505	2.950162	3.096004	3.447271	3.494411	3.455199
ADAM10	ENSG0000	0.522779	6.919519	5.947	1.42E-05	0.000167	2.689624	6.214805	6.206989	6.219134	7.392314	7.344154	7.426577	7.04238	6.985861	6.935637	6.673544	6.783657	6.739507	7.193652	7.254656	7.26227	7.023087	7.03633	7.046321
STRA6	ENSG0000	-0.28674	5.29997	-2.10735	0.049813	0.103304	-5.24317	4.712298	4.463121	4.59048	4.43289	4.515354	4.549901	3.352323	3.196885	3.306673	6.59139	6.554781	6.581744	6.686492	6.545754	6.60452	6.54818	6.590575	6.585692
ZNF280D	ENSG0000	0.005398	5.119555	0.086048	0.932407	0.955759	-7.19739	5.367978	5.144404	5.207739	5.487537	5.514478	5.525804	5.208612	5.503276	5.363523	4.911672	4.948095	5.016036	5.036421	5.006281	5.100452	4.793224	4.987552	4.802199
SEMA6D	ENSG0000	-0.32233	0.346327	-0.69295	0.497449	0.614605	-5.85028	0.814199	0.410755	0.679585	1.182548	1.2379	1.188496	1.588238	1.301009	1.620777	1.616888	1.644832	1.800268	1.733794	1.846087	1.900186	0.789161	0.504542	1.170016
RSL24D1	ENSG0000	-0.2314	7.196347	-1.78358	0.091865	0.167058	-5.98051	7.592925	7.625542	7.577902	6.495146	6.577031	6.567948	7.418387	7.44805	7.452914	7.401309	7.328353	7.372528	7.151665	7.242402	7.218664	7.064529	7.073443	7.113359
SPTBN5	ENSG0000	-0.10517	0.154133	-0.38705	0.703395	0.788572	-5.96981	0.882475	1.002471	0.964748	1.791994	1.437317	1.475193	0.886508	0.726566	0.629397	1.028404	1.265082	1.219002	1.121891	1.032323	1.046067	1.177011	1.289746	1.273688
GCHFR	ENSG0000	0.017759	3.755206	0.144647	0.886644	0.924486	-6.91159	3.86199	3.704977	3.889066	3.827958	4.139571	3.711713	4.068294	4.273815	4.207726	3.991785	4.092415	4.140085	3.40246	3.436722	3.378997	3.900611	3.84969	3.669942
BCAR3	ENSG0000	0.350939	6.992784	2.065056	0.054078	0.110317	-5.45224	7.318849	7.282497	7.302831	7.943403	7.958398	7.922353	7.963977	7.898864	7.945885	6.517479	6.443221	6.605467	5.860749	5.743628	5.80226	6.584245	6.453147	6.567956
TTLL7	ENSG0000	0.609744	1.894457	4.377032	0.000387	0.002196	0.21857	2.369288	2.206444	2.300736	3.591402	3.844198	3.655458	2.908934	2.916694	2.530983	1.278001	1.190799	1.061592	2.504718	2.250257	2.513282	1.419885	1.513652	1.703111
FNBP1L	ENSG0000	-0.0426	6.045341	-0.86639	0.398013	0.519606	-6.98366	6.066775	5.957964	5.872121	6.227533	6.221357	6.225588	5.937792	5.965067	5.895106	6.015891	6.031795	5.886627	6.381191	6.381138	6.356323	5.875309	5.852747	6.072473
KYAT3	ENSG0000	0.626782	3.738211	7.686376	5.23E-07	1.29E-05	6.387529	2.548084	2.403106	2.300736	3.376187	3.151334	3.459109	3.405851	3.506713	3.181386	4.430262	4.382523	4.34529	4.848959	4.916583	4.848508	4.826728	4.881053	4.865793
GTF2B	ENSG0000	-0.20213	5.163393	-3.26928	0.004391	0.015174	-2.89313	4.884496	4.893538	4.844488	4.687901	4.544465	4.639633	4.765467	4.928048	4.825493	5.667877	5.747555	5.872475	5.597352	5.674166	5.671993	5.486798	5.398901	5.582975
BRDT	ENSG0000	0.317133	-1.58619	2.085285	0.051998	0.106948	-4.22028	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.704765	1.989662	1.562415	1.365252	1.393161	1.284217	1.948641	1.930959	1.877799
RABGGTB	ENSG0000	-0.16138	5.956226	-3.31154	0.004004	0.014112	-2.8595	6.573458	6.553462	6.538585	6.452541	6.323559	6.566424	6.384753	6.495326	6.539485	5.658737	5.639998	5.647191	5.389419	5.361637	5.33488	5.384153	5.41055	5.417409
IFI44L	ENSG0000	0.449084	4.80719	6.516531	4.60E-06	7.03E-05	3.906582	1.755904	1.978677	2.018628	2.103714	2.429905	2.22781	2.545421	2.568641	2.616448	7.741449	7.85685	7.741335	7.174809	7.223824	7.269219	8.084125	8.213448	8.293802
ARHGAP29	ENSG0000	-0.5121	6.432737	-2.24443	0.038015	0.083517	-5.15259	6.129578	6.144785	6.167376	4.263984	4.020303	4.079806	5.157514	5.319175	5.404147	7.789554	7.791591	7.762912	7.895504	7.953624	7.979263	7.4292	7.484493	7.520768
IFI44	ENSG0000	0.600228	4.547547	5.739056	2.16E-05	0.000231	2.418173	2.392887	2.403106	2.166567	3.359513	3.188693	3.086148	3.137083	3.431409	3.218306	6.234645	6.401631	6.298324	6.018135	6.031182	6.147181	6.707906	6.858936	6.941013
SLC44A5	ENSG0000	0.272426	3.167235	3.15571	0.005622	0.018492	-2.7564	2.483604	2.470453	2.248556	2.91067	3.151334	2.605775	2.724622	2.728183	2.616448	3.818776	4.077032	3.722908	4.151547	4.034047	4.184772	4.052512	4.11758	4.115895
RPL7P9	ENSG0000	-0.32239	2.634134	-2.58018	0.019169	0.048606	-3.65812	3.100204	3.155816	3.270929	3.162124	3.188693	2.998412	3.19904	2.848856	3.323715	2.990428	2.912585	2.671369	2.542344	2.533802	2.497588	2.154563	2.429363	2.570068
CLCA2	ENSG0000	1.369479	-0.10395	4.099979	0.000709	0.003543	-0.30381	0.742531	0.661886	0.323815	2.255624	2.333126	2.429135	1.074544	1.231675	0.925731	0.483018	0.462741	0.449284	1.186687	1.203912	1.17005	1.13872	0.637375	1.058313
DBT	ENSG0000	0.023429	5.235415	0.347638	0.732264	0.810877	-7.19127	5.093368	4.925889	4.929803	5.227586	5.099733	5.187896	5.167879	5.289629	5.197793	5.389369	5.368161	5.396673	5.657166	5.666849	5.546053	5.323569	5.171328	5.308717
RTCA	ENSG0000	-0.17016	5.412134	-2.50979	0.02218	0.054608	-4.45189	5.578142	5.699529	5.589687	5.428807	5.503402	5.500479	5.125963	5.281075	5.188519	5.445717	5.427994	5.48148	5.441792	5.470708	5.441254	5.537346	5.368165	5.534225
IFT172	ENSG0000	0.016871	3.435268	0.092437	0.927402	0.952274	-6.73165	3.801557	3.741788	3.889066	3.955484	3.808643	4.138446	3.988671	3.999201	4.073118	2.955028	3.034402	2.893183	3.88976	3.970091	3.824901	2.706012	2.881762	2.830235
SELENOI	ENSG0000	-0.30415	7.204788	-7.3065	1.04E-06	2.20E-05	5.336525	7.529797	7.607579	7.532254	7.077547	7.096402	7.152533	7.361949	7.331721	7.26939	7.491066	7.463647	7.385043	6.772779	6.750852	6.802715	7.070898	7.043081	7.131584
CGREF1	ENSG0000	0.884534	0.696636	2.752426	0.013354	0.036641	-2.90168	4.909255	4.965333	5.022058	5.303647	5.554381	5.471446	5.875913	5.758745	5.813006	0.106501	0.185134	0.16959	0.106501	0.106501	0.106501	0.257084	0.19538	0.315289
HADHB	ENSG0000	0.009306	7.010675	0.14216	0.88858	0.925589	-7.46526	7.282198	7.212919	7.160948	7.430734	7.30535	7.329246	7.352893	7.403426	7.311645	6.670819	6.621691	6.673703	6.969167	7.00772	7.041273	6.505558	6.546909	6.579383
KHK	ENSG0000	0.086868	2.466268	0.956083	0.352069	0.473335	-6.33779	1.719036	1.81559	1.954926	1.688986	1.817192	2.029614	1.70672	1.85606	1.727075	3.87036	3.70241	3.968865	3.346841	3.428092	3.437743	3.962207	3.992947	3.937965
ADCY3	ENSG0000	-0.08371	6.005239	-0.92759	0.366254	0.488182	-6.94136	6.216459	6.203694	6.224209	5.946944	6.149755	6.0425	5.897874	5.902309	5.830996	6.097974	6.084032	6.158558	5.677036	5.672341	5.704825	6.245564	6.243788	6.214406
PPM1B	ENSG0000	0.329617	5.019361	3.512539	0.002579	0.009944	-2.29889	4.410898	4.366251	4.188143	5.388282	5.446705	5.435149	4.6445	4.917048	4.91817	5.046721	5.145366	4.994418	5.477839	5.560311	5.503472	5.26478	5.274377	5.217405
PNPT1	ENSG0000	-0.22987	6.5247	-5.53186	3.31E-05	0.000323	1.85042	6.962565	7.025972	6.985753	6.50655	6.403191	6.570993	6.753301	6.712874	6.696557	6.541545	6.626983	6.67098	5.978655	5.998038	6.030701	6.410327	6.446373	6.420456
DYNC2LI1	ENSG0000	-0.57024	4.783379	-4.70259	0.000191	0.00126	0.353275	5.394524	5.433112	5.37527	4.833866	4.928114	4.751204	4.583863	4.644388	4.542164	4.710546	4.648439	4.897583	5.025392	4.944083	5.095248	4.454386	4.460128	4.359215
THUMPD2	ENSG0000	0.190206	4.42527	3.541265	0.002421	0.009451	-2.13323	4.664623	4.673038	4.626705	4.63346	4.360275	4.293939	4.819063	4.837607	4.855099	4.242376	4.427694	4.392334	4.195506	4.095289	4.160062	4.530299	4.534411	4.551975
CYP1B1	ENSG0000	0.216691	9.17874	1.613162	0.124618	0.212085	-6.3428	9.417445	9.368806	9.384642	9.935151	10.00795	9.932267	9.708169	9.680476	9.636	8.06435	8.142301	8.321056	9.525188	9.571979	9.596024	8.434598	8.290492	8.252762
RAB1A	ENSG0000	0.358077	7.83258	9.817112	1.56E-08	9.10E-07	9.630637	7.851108	7.936623	7.857003	8.475902	8.353314	8.417412	8.288822	8.283655	8.258266	7.257367	7.273173	7.268748	7.617096	7.599263	7.62343	7.60538	7.568004	7.574415
ACTR2	ENSG0000	0.069372	8.532243	1.969481	0.064958	0.127508	-5.76442	8.420792	8.455638	8.353387	8.4662	8.464108	8.442563	8.535402	8.608651	8.523685	8.599222	8.578747	8.545575	8.617365	8.695516	8.621071	8.565978	8.559726	8.59931
PREB	ENSG0000	0.330848	6.384209	7.085559	1.56E-06	3.04E-05	4.994846	6.352062	6.346469	6.403429	6.551287	6.623812	6.59512	6.755021	6.7017	6.821794	6.199783	6.105673	6.158558	6.195885	6.078825	6.093383	6.463577	6.366088	6.427498
SLC5A6	ENSG0000	-0.07087	6.803679	-1.86631	0.078869	0.148785	-5.80703	7.05144	7.025039	7.003573	6.6693	6.637387	6.672277	6.952306	6.924021	6.96987	6.941898	6.909856	6.959078	6.555383	6.38002	6.44491	6.951028	6.841829	6.818864
PREPL	ENSG0000	0.171763	6.543331	1.609497	0.12542	0.213092	-6.14733	6.705361	6.636443	6.690547	7.345453	7.089011	7.27427	7.060574	7.14988	7.032107	6.193468	6.283738	6.182654	6.011444	6.071917	5.9276	6.103682	6.095794	6.228989
FBXO11	ENSG0000	0.097191	6.062965	1.881643	0.076647	0.145364	-5.68236	6.1677	6.158464	6.093496	6.320926	6.044157	6.229446	6.307166	6.381898	6.30432	5.966378	6.038429	5.938492	5.773793	5.920171	5.912885	5.943536	5.983288	6.050746
ATRAID	ENSG0000	-0.119	7.244522	-3.65007	0.001907	0.007797	-2.28543	7.65035	7.708661	7.601496	7.641101	7.579461	7.699836	7.512895	7.495962	7.51729	6.91988	6.91995	6.972961	6.944788	6.947096	6.936045	6.85613	6.8967	6.783075
CENPO	ENSG0000	0.942917	4.668598	4.097297	0.000714	0.003563	-0.99448	4.10996	4.065935	4.117166	4.910272	5.104628	4.803913	5.490461	5.323347	5.291723	4.908591	4.833757	4.823505	3.703037	3.583837	3.727354	5.528118	5.403571	5.464729
LRPPRC	ENSG0000	-0.2501	8.462507	-5.89099	1.59E-05	0.000184	2.464885	9.28419	9.293709	9.250125	8.670539	8.645926	8.676089	8.896096	8.895606	8.893646	8.153913	8.163395	8.146085	7.796153	7.760478	7.758366	8.069887	8.033041	8.019148
DTNB	ENSG0000	-0.25858	3.334645	-1.6117	0.124938	0.212452	-5.46192	4.467563	4.342481	4.542529	3.766043	3.683372	3.722706	4.000319	3.90213	4.05282	2.693825	2.792142	2.902498	3.18974	3.020741	3.126936	2.831347	2.854728	2.912845
ACTR1A	ENSG0000	0.023439	6.688065	0.565397	0.57899	0.685527	-7.26138	7.031845	7.033414	6.957588	7.358099	7.355491	7.313881	7.175477	7.119014	7.045009	6.167928	6.110718	6.188378	6.485475	6.498105	6.529335	6.059528	6.08129	6.149449
MFSD13A	ENSG0000	0.164594	2.167821	1.325929	0.201932	0.307311	-5.61706	2.707144	2.308123	2.641489	2.791417	2.229385	2.741673	2.667326	2.916694	2.846105	2.282443	2.405511	2.396013	2.178139	2.10622	2.10048	2.283004	2.37332	2.528753
MYOF	ENSG0000	-0.11841	9.473713	-1.45951	0.162164	0.259927	-6.5563	11.24203	11.26459	11.31529	11.12554	11.10913	11.15804	10.92387	10.88118	10.88869	7.675011	7.761433	7.672897	7.889739	7.934328	7.933703	7.975955	7.926727	7.913768
STAMBPL1	ENSG0000	0.000568	3.365252	0.003667	0.997116	0.997887	-6.75077	4.321496	4.287521	4.095173	4.031135	4.139571	3.991672	3.928981	4.060466	3.867685	3.058725	2.829342	3.093551	2.717023	2.657091	2.276326	3.501087	3.307681	3.176297
CH25H	ENSG0000	-0.40159	-1.41118	-1.62134	0.122844	0.209818	-5.0058	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	2.527059	2.500824	2.355887	1.121891	1.2438	1.046067	1.903678	1.981819	1.775544
ATAD1	ENSG0000	1.039978	6.664424	7.366479	9.30E-07	2.03E-05	5.548316	6.936707	6.90643	6.892132	7.680232	7.566215	7.608707	8.352685	8.432534	8.418547	5.456306	5.4835	5.429264	5.828117	5.821478	5.872388	5.884016	5.869726	5.855713
KIF11	ENSG0000	0.240302	4.752326	0.987813	0.336723	0.457628	-6.65519	5.626225	5.407565	5.458019	5.195063	5.226392	5.024275	5.97958	6.133713	5.889394	4.98955	4.995233	4.925267	2.504718	2.797719	2.399663	4.922811	4.805418	4.7174
CUZD1	ENSG0000	0.098907	0.176792	0.566218	0.578444	0.68508	-5.84291	1.719036	1.780637	1.706811	1.74141	1.437317	1.310092	2.058296	1.658879	1.777424	0.669294	0.799097	0.726056	0.745413	0.671977	0.533283	0.63264	0.816175	0.805046
TACC2	ENSG0000	-0.22121	6.57082	-1.55649	0.137513	0.228861	-6.16694	7.86383	7.864913	7.827849	7.494169	7.547464	7.54588	7.905559	7.846198	7.934836	5.629096	5.56295	5.584909	5.780368	5.710205	5.631222	4.939614	5.003024	4.99276
DUSP5	ENSG0000	-0.31824	5.681713	-1.77518	0.093284	0.169147	-5.82576	6.98603	6.909466	6.900611	5.16659	5.14795	5.219282	5.804633	5.981	5.940005	5.718015	5.498975	5.708223	4.761267	4.653345	4.440084	6.081143	5.994168	5.946753
CALHM2	ENSG0000	-0.12015	2.855558	-0.45308	0.656068	0.752098	-6.50205	2.707144	2.71221	2.900124	3.791129	4.310303	4.071231	2.446718	1.945386	1.962896	2.749986	2.841532	3.093551	3.587808	3.223865	3.378997	3.011667	3.267249	3.215882
ARL3	ENSG0000	0.827241	4.221539	8.614273	1.06E-07	3.76E-06	8.022356	3.919992	3.872022	3.801232	5.388282	5.317749	5.366721	4.695544	4.664259	4.825493	3.488234	3.463043	3.373604	4.362569	4.303069	4.372859	4.208537	3.999132	4.101878
CEP55	ENSG0000	0.040153	4.343728	0.175423	0.862763	0.907961	-6.98904	5.658224	5.575013	5.508813	5.0571	5.152684	5.118843	5.586312	5.859858	5.515873	4.103779	4.166964	4.224215	2.129525	2.23054	1.923865	4.072963	4.065478	4.299055
KIF20B	ENSG0000	0.374857	3.923124	1.961807	0.065912	0.129073	-5.12574	4.590018	4.569336	4.470324	4.281793	4.293254	4.337497	5.136557	5.335791	5.087374	3.944434	4.082178	3.955502	2.300295	2.23054	2.382676	4.052512	3.779553	3.969186
EXOC6	ENSG0000	0.184946	5.038836	1.787159	0.091266	0.166101	-5.59682	5.432027	5.401827	5.417238	5.988204	6.00018	6.04688	5.69423	5.902309	5.741885	4.58494	4.494836	4.402219	4.34138	4.521632	4.364231	4.485232	4.343431	4.433851
PLCE1	ENSG0000	-1.45627	-1.17878	-4.10477	0.000702	0.003513	-0.29994	3.420312	3.750846	3.489013	3.487804	2.835252	3.18484	1.917967	2.184314	1.918715	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RBP4	ENSG0000	0.230065	-0.91173	0.456324	0.653776	0.750039	-5.73752	1.719036	1.744817	1.54317	2.605941	2.686486	2.697781	1.917967	1.945386	1.918715	0.34397	0.106501	0.397516	0.171976	0.106501	0.186984	0.326864	0.19538	0.106501
DBR1	ENSG0000	-0.0161	4.791255	-0.29354	0.772568	0.840746	-7.1545	4.393455	4.468622	4.547936	4.59836	4.515354	4.434292	4.376062	4.603806	4.520155	5.1881	5.207908	5.375087	5.066862	5.144398	5.131289	5.251384	5.140881	5.259054
DNAJC13	ENSG0000	0.085499	6.030282	1.476938	0.157484	0.254169	-6.28985	5.727148	5.801125	5.854773	6.220625	6.245934	6.267477	6.081788	6.138456	6.007476	6.037207	6.104409	5.962072	6.184032	6.234178	6.213527	5.942147	5.93248	6.000631
GPR87	ENSG0000	0.322067	1.238761	1.691665	0.108461	0.190718	-5.60869	0.814199	0.736739	0.756332	0.106501	0.389229	0.106501	0.269385	0.253663	0.256032	4.252132	4.205202	4.257266	5.079714	5.223832	5.250784	4.733454	4.547132	4.61255
ANXA7	ENSG0000	0.159105	7.083548	2.874269	0.010308	0.029786	-3.90363	7.759334	7.741408	7.694025	7.803241	7.73118	7.693564	7.797892	7.885524	7.905423	6.279458	6.186741	6.238893	6.584981	6.596701	6.554203	6.413338	6.392174	6.467678
FAM149B1	ENSG0000	0.105459	4.382642	1.074528	0.297197	0.41614	-6.47377	4.584905	4.511888	4.59048	4.359318	4.301803	4.434292	4.4712	4.533523	4.563842	4.187508	4.195737	4.167389	4.684821	4.749998	4.649854	4.418877	4.377068	4.370952
ASCC1	ENSG0000	-0.29638	5.610128	-3.36136	0.003591	0.012926	-2.64845	7.023364	7.025039	6.883604	6.388234	6.302412	6.393204	6.657248	6.73653	6.698191	4.789709	4.729387	4.773612	4.684821	4.660731	4.56581	4.519164	4.293974	4.557121
ZNF365	ENSG0000	-0.15619	1.491447	-0.71779	0.482374	0.601213	-5.84054	4.833667	4.604738	4.686762	4.190466	3.967543	4.210498	4.4712	4.511753	4.674259	0.834246	0.398185	0.639567	0.5125	0.26996	0.470356	0.686723	0.572487	0.409347
ADAMTS14	ENSG0000	0.549498	-1.64561	1.885237	0.076134	0.144629	-4.42938	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.415731	0.106501	0.106501	1.239286	0.986408	1.094478	1.597456	1.591687	1.695314	1.13872	1.289746	1.322858
RPS24	ENSG0000	-0.07783	9.407171	-2.65647	0.016345	0.042881	-4.52555	10.02178	10.01797	9.990959	9.881048	9.8122	9.802449	9.936561	9.972279	9.995337	9.010087	8.96912	8.943775	8.764741	8.839143	8.834628	8.822453	8.853993	8.902985
TET1	ENSG0000	0.489504	1.023964	2.413952	0.027002	0.063748	-3.64296	1.12723	1.780637	1.499186	2.143217	2.03796	2.288255	1.648695	2.255906	2.005764	1.423238	1.265082	1.305813	1.524131	1.495836	1.320349	1.320757	1.513652	1.546329
DNA2	ENSG0000	-0.40454	3.612739	-2.6353	0.017086	0.044391	-3.85211	4.707601	4.783088	4.691656	3.605613	3.410458	3.700636	4.583863	4.610649	4.41276	4.261822	4.223947	4.159641	2.044674	1.897007	1.923865	3.485915	3.698248	3.591857
MYPN	ENSG0000	-1.76717	1.176425	-5.45626	3.87E-05	0.000365	2.276131	6.986999	6.957203	6.997657	6.33805	6.123468	6.129738	5.099133	5.27247	5.22526	0.190076	0.106501	0.288049	0.234608	0.190544	0.186984	0.106501	0.19538	0.106501
AOX1	ENSG0000	0.205047	1.872111	1.067421	0.300304	0.419254	-5.60427	5.082524	5.140963	4.986657	4.281793	4.478119	4.351728	5.203583	5.285358	5.229787	0.609835	0.695454	0.683459	0.234608	0.484926	0.470356	0.884806	0.975239	0.734116
ATIC	ENSG0000	-0.45036	7.875578	-7.71388	4.98E-07	1.25E-05	6.04923	8.36707	8.372621	8.317429	7.658245	7.623609	7.679528	7.730434	7.783987	7.753353	8.082576	7.98498	8.051117	7.748324	7.744926	7.79534	7.733352	7.723657	7.725476
SMARCAL1	ENSG0000	-0.43535	4.815539	-5.3325	5.01E-05	0.000442	1.698902	5.319544	5.427474	5.387386	5.082724	5.114368	5.159862	4.576101	4.765849	4.647437	4.641707	4.742447	4.721931	4.792829	4.80769	4.842308	4.504182	4.576385	4.525965
BARD1	ENSG0000	-0.05728	3.816953	-0.53987	0.5961	0.69948	-6.9014	3.572735	3.750846	3.477724	3.376187	3.34578	3.03415	3.617275	3.761625	3.721038	4.867929	4.796672	4.786248	3.53901	3.528394	3.494191	4.694387	4.710599	4.622403
STAT4	ENSG0000	-0.93499	3.500766	-2.69212	0.015166	0.040451	-3.54387	6.201502	6.193765	6.193487	3.791129	3.560502	3.744443	5.310366	5.263813	5.082376	2.527059	2.500824	2.592986	2.727949	2.451029	2.528806	1.926335	1.851139	2.14716

CARF	ENSG0000	0.066184	2.611394	0.540161	0.595903	0.699422	-6.34819	2.917019	3.142112	2.982302	3.766043	3.546181	3.678224	3.296733	3.214961	3.181386	2.01088	2.372288	2.30059	2.949505	2.743101	2.942182	1.970607	2.315011	2.091498
ASNSD1	ENSG0000	0.006925	5.992803	0.123923	0.90279	0.935432	-7.36004	6.330838	6.377503	6.235982	6.107843	5.994917	6.062107	6.462596	6.576214	6.423728	5.89033	5.881985	5.963185	5.570287	5.581868	5.546053	5.741175	5.733527	5.819768
METTL5	ENSG0000	-0.29974	5.54264	-2.85586	0.010721	0.030711	-3.79531	6.084999	6.134441	6.017577	5.072529	5.157403	5.143594	5.661594	5.653324	5.663734	5.710958	5.555569	5.647191	5.43514	5.512128	5.54032	5.461813	5.522142	5.374327
SSB	ENSG0000	-0.23987	7.94176	-5.39611	4.39E-05	0.000402	1.442461	7.999239	8.052414	7.960479	7.591091	7.586476	7.682346	7.558909	7.751072	7.643966	8.236704	8.217304	8.283669	8.045248	8.075716	8.059616	8.036108	8.126063	8.155598
NAB1	ENSG0000	0.187182	6.238383	2.286159	0.034971	0.078292	-5.00117	6.284277	6.257117	6.225897	6.263828	6.225857	6.233295	6.709625	6.843522	6.73369	6.238331	6.282621	6.151739	5.969477	5.977484	5.901004	6.06974	6.139849	6.142619
PPIG	ENSG0000	-0.2036	6.884554	-5.71884	2.25E-05	0.000238	2.201649	6.935703	6.881904	6.865312	6.62115	6.543178	6.590627	6.686381	6.755179	6.766778	7.152535	7.236717	7.248344	6.956449	7.009168	6.966291	6.946878	6.966231	7.021404
FASTKD1	ENSG0000	0.305748	4.533832	3.410444	0.003226	0.011857	-2.40152	4.888652	4.860445	4.595711	4.915985	4.621619	4.854763	5.233498	5.228657	5.141238	4.256985	4.112675	4.063257	4.241981	4.459468	4.368551	4.374256	4.173346	4.394143
MDH1B	ENSG0000	0.053971	0.822795	0.39631	0.696673	0.782981	-6.15035	0.882475	0.940485	1.028027	1.256461	1.307481	1.575618	1.074544	0.824004	1.0941	1.840286	1.529011	1.877881	2.28558	2.269709	2.528806	1.734264	1.766644	1.81044
HECW2	ENSG0000	-0.58461	2.521534	-2.75906	0.013168	0.036233	-3.16359	4.02189	3.695626	4.095173	4.54774	4.408574	4.493254	3.423261	3.043491	2.869505	1.423238	1.699433	1.248523	2.542344	2.581279	2.481722	1.542275	1.547811	1.626848
IDH1	ENSG0000	-0.38528	8.281779	-3.0654	0.006836	0.021532	-3.617	8.663861	8.617276	8.564858	8.561315	8.515091	8.561752	8.656282	8.742019	8.646442	8.284131	8.206447	8.292554	8.148991	8.227039	8.173874	7.404197	7.422559	7.47392
OLA1	ENSG0000	-0.46904	7.396534	-7.39174	8.88E-07	1.95E-05	5.482141	7.985722	8.047828	7.948774	7.161705	7.131599	7.110257	7.304389	7.282216	7.311645	7.606315	7.557162	7.57907	7.07832	7.112427	7.110617	7.297444	7.322519	7.3519
CIR1	ENSG0000	-0.18168	4.891186	-2.57372	0.019428	0.049131	-4.27228	4.543331	4.490417	4.579961	4.290615	4.43213	4.358792	4.31208	4.357565	4.41276	5.395984	5.409689	5.493859	5.682663	5.799899	5.618582	5.191852	5.322033	5.299535
ITPRID2	ENSG0000	-0.34366	7.80649	-5.00947	9.91E-05	0.000752	0.634572	8.612646	8.502309	8.537257	7.744252	7.748484	7.732153	8.06864	8.081752	7.985243	7.701954	7.668267	7.652682	7.378793	7.367283	7.378219	7.492248	7.528457	7.46025
CHRNA1	ENSG0000	-0.04069	-1.37776	-0.30089	0.767049	0.836615	-6.19881	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.100009	2.267764	1.877881	1.916818	1.819936	1.801384	2.075685	1.795362	1.942153
FAM117B	ENSG0000	-0.19568	2.729521	-1.30759	0.20795	0.314588	-5.82432	2.245129	2.403106	2.079636	2.864145	3.31232	3.306732	1.762502	1.988058	2.165532	3.576295	3.241771	3.419749	3.703037	3.652127	3.767168	3.245848	3.193646	3.421736
WDR12	ENSG0000	-0.33825	6.430961	-8.57012	1.14E-07	3.95E-06	7.660074	6.614185	6.633998	6.480387	6.049263	5.965622	5.954316	6.269158	6.189628	6.222635	6.860533	6.873958	6.901587	6.4959	6.431661	6.450015	6.531651	6.570985	6.576851
ABI2	ENSG0000	0.158057	6.347673	2.535741	0.021021	0.052333	-4.52007	6.740277	6.62294	6.635737	6.598236	6.618689	6.617379	6.765297	6.890672	6.803687	5.916638	5.887875	5.830389	6.204712	6.167044	6.18319	6.065919	5.961279	6.086777
ITGAV	ENSG0000	-0.18368	7.76921	-1.38185	0.184427	0.286424	-6.6003	8.112843	8.084115	8.047515	7.445622	7.458497	7.522481	8.091962	7.983681	7.993253	7.711267	7.739616	7.704196	7.900342	7.946088	7.947487	7.425725	7.453858	7.402096
SLC40A1	ENSG0000	-0.71813	4.145546	-4.72854	0.000181	0.001206	0.46068	3.236881	3.298545	3.371944	3.887325	4.009905	4.088331	3.705302	3.521314	3.199964	5.344475	5.270107	5.39172	4.902986	5.032138	5.042146	4.40281	4.283876	4.305185
SLC35A5	ENSG0000	-0.08546	4.978054	-0.78129	0.445089	0.565917	-6.85024	5.256622	5.352102	5.251481	5.290513	5.138434	5.294884	5.478019	5.6164	5.519576	4.724629	4.893523	4.828401	4.82626	4.90419	4.85468	4.450484	4.333674	4.461559
SLC49A4	ENSG0000	-0.03781	3.569985	-0.46829	0.645362	0.742839	-6.74335	3.623492	3.657602	3.544167	3.661095	3.643567	3.722706	3.405851	3.698786	3.389938	3.528929	3.647924	3.71764	4.002038	4.143531	4.088533	3.567454	3.705831	3.698167
SENP7	ENSG0000	0.621841	2.331578	5.251873	5.94E-05	0.000502	1.927298	2.051128	1.81559	2.166567	3.103249	2.660129	2.675323	2.696258	2.420731	2.530983	2.338465	2.074736	2.460504	3.173846	3.329589	3.253801	2.901634	2.696248	2.706008
COX17	ENSG0000	0.179709	4.699872	2.547194	0.020528	0.05138	-4.2406	4.855064	4.961437	4.808898	4.591236	4.701332	4.854763	5.213624	5.058905	5.18386	4.525848	4.57733	4.536922	4.621778	4.573423	4.660464	4.67445	4.687803	4.536426
PARP9	ENSG0000	0.475569	5.583586	3.63437	0.001974	0.008015	-2.19064	3.819083	3.812706	3.955676	5.009799	5.199191	5.046319	4.606901	4.644388	4.482711	6.564237	6.627863	6.634409	6.624255	6.595738	6.690721	6.973638	7.00363	6.981768
MNS1	ENSG0000	-0.98849	1.500923	-5.69591	2.36E-05	0.000245	2.844657	2.461454	2.232543	2.274882	1.74141	1.612488	1.623325	1.160105	1.710758	1.962896	2.527059	2.817048	2.911754	1.548989	1.462417	1.550722	1.759719	1.981819	2.252429
USP8	ENSG0000	0.561006	6.163884	13.92382	6.78E-11	1.52E-08	15.26593	5.973987	6.05805	5.982065	6.422753	6.476771	6.463697	6.536452	6.558627	6.521134	5.546278	5.757239	5.677352	6.204712	6.220499	6.236164	6.182261	6.288666	6.224144
SECISBP2L	ENSG0000	0.890924	6.23893	8.691138	9.32E-08	3.48E-06	7.940957	6.031501	6.03228	6.093496	7.294828	7.118349	7.285434	7.246883	7.242012	7.258353	5.195703	5.331897	5.000938	6.152952	6.234178	6.148438	5.667442	5.611658	5.760771
TMOD3	ENSG0000	-0.14219	7.436775	-2.67695	0.015657	0.041498	-4.36779	7.414909	7.453135	7.393475	7.380999	7.331683	7.367395	7.181884	7.128582	7.048858	7.528174	7.505906	7.486865	7.731456	7.784764	7.769027	7.424731	7.505828	7.580114
SPPL2A	ENSG0000	0.276822	6.201074	6.167612	9.13E-06	0.00012	3.256583	6.629166	6.61304	6.549409	7.253686	7.212045	7.296512	6.977569	6.948536	6.877676	5.314527	5.366053	5.249309	5.741807	5.77969	5.728547	5.515099	5.482955	5.497221
GLCE	ENSG0000	1.231239	6.826687	4.931402	0.000117	0.000856	0.668554	7.594834	7.665606	7.596939	8.834112	8.705135	8.800625	9.506758	9.464921	9.510685	5.157281	5.19846	5.047868	4.994054	5.074229	4.989822	5.075046	5.057388	5.055925
SHF	ENSG0000	0.240248	0.536825	1.206974	0.243524	0.356366	-5.46214	1.286899	0.736739	0.679585	1.182548	1.164793	1.123626	1.160105	1.430416	1.171446	1.52331	1.435603	1.73919	1.644349	1.528499	1.695314	1.45147	1.766644	1.370407
APH1B	ENSG0000	0.932034	2.4942	7.004923	1.81E-06	3.46E-05	5.278991	2.461454	2.748839	2.579475	4.092964	4.139571	4.351728	3.423261	3.318907	3.60036	1.423238	1.616737	1.360915	3.125084	3.04352	2.858649	1.926335	2.212266	2.033602
INTS14	ENSG0000	-0.1177	6.338797	-1.65598	0.115569	0.199981	-6.09375	6.553964	6.475012	6.441695	5.892928	5.913577	5.902086	6.217704	6.178156	6.233947	6.572048	6.475845	6.518021	6.480638	6.488798	6.474272	6.523316	6.52992	6.560288
PARP16	ENSG0000	-0.22983	4.799892	-2.61555	0.017806	0.045836	-4.21255	4.820675	4.783088	4.986657	3.688057	3.844198	3.711713	4.339849	4.365678	4.252911	5.556156	5.54815	5.626259	5.027605	5.218837	5.146464	5.555628	5.460717	5.518482
PPCDC	ENSG0000	-0.30842	3.469392	-4.26922	0.00049	0.002649	-0.42458	3.498536	3.777682	3.55495	2.933382	2.904251	2.865864	3.219115	3.178579	2.981126	4.19764	4.200477	4.358889	3.652319	3.652127	3.760608	4.161567	4.017531	3.984547
SEMA7A	ENSG0000	-0.36829	4.473991	-2.09956	0.050575	0.10464	-5.31872	3.643304	3.695626	3.489013	1.393812	1.2379	1.123626	1.389995	1.231675	0.925731	7.974024	7.814576	8.001046	7.016723	6.836498	6.988917	7.808453	7.75689	7.736859
UBL7	ENSG0000	-0.155	6.047449	-2.08835	0.051689	0.10645	-5.34344	6.072266	6.022963	6.017577	5.7563	5.732536	5.637476	5.894757	5.845426	5.738712	6.249332	6.187935	6.315861	6.439685	6.471053	6.434645	6.164504	6.177154	6.104461
ARHGAP24	ENSG0000	-0.65828	2.410078	-3.30614	0.004052	0.014239	-2.22903	2.798329	2.425906	2.514675	1.888135	1.768674	2.22781	2.303642	2.184314	2.309357	3.155466	3.223257	3.117748	3.551365	3.724396	3.644271	2.479639	2.518186	2.528753
FAM13A	ENSG0000	0.027196	4.891265	0.302449	0.76588	0.835767	-7.17566	4.538049	4.490417	4.636889	4.502891	4.529983	4.76722	4.4712	4.59693	4.490278	5.200749	5.681277	5.240153	5.196415	5.23377	5.103047	5.244639	5.574859	5.467465
HERC3	ENSG0000	0.445008	2.092653	3.746533	0.001542	0.006597	-1.21012	1.755904	1.849715	1.54317	2.81607	2.155834	2.581827	2.226405	2.184314	1.962896	2.409929	2.437987	2.409144	3.057395	2.913535	3.147195	2.831347	2.726388	2.610232
HERC6	ENSG0000	0.358747	4.487168	6.106883	1.03E-05	0.000131	3.182718	2.965042	3.100202	3.029452	2.864145	3.033076	3.03415	3.094248	2.938616	3.044176	6.13667	6.071149	6.067286	5.829386	5.980438	6.025238	6.457757	6.53312	6.521324
HERC5	ENSG0000	-0.12513	4.547259	-1.6486	0.117088	0.202192	-5.9474	4.044416	3.888531	4.145977	3.255206	2.991399	2.904994	3.423261	3.646467	3.586306	6.174355	6.169921	6.225965	4.800613	4.794321	4.845411	6.145318	6.202839	6.146038
ZGRF1	ENSG0000	-0.06313	2.112331	-0.30972	0.760439	0.832366	-6.58073	2.505419	2.802095	2.739267	1.578054	1.996426	1.880533	2.376953	2.728183	2.501332	3.358771	3.339557	3.001185	0.907968	1.766169	1.456457	3.16242	3.2466	3.215882
AP1AR	ENSG0000	0.435388	4.764003	3.905952	0.001086	0.004999	-1.42283	3.85351	4.12286	4.050156	4.96641	4.860273	4.869675	4.751751	4.734864	4.72003	4.954128	5.046155	5.030978	5.062552	5.032138	4.972896	5.323569	5.211838	5.201061
COPS4	ENSG0000	0.26568	5.382126	6.3868	5.93E-06	8.54E-05	3.74525	5.0569	5.188404	5.094055	5.456512	5.379635	5.380668	5.461262	5.404348	5.317474	5.305186	5.380746	5.351474	5.622454	5.745366	5.598492	5.55199	5.611658	5.612936
HNRNPD	ENSG0000	0.001304	7.809578	0.026835	0.978895	0.986001	-7.57244	7.680027	7.658404	7.641248	7.271621	7.289317	7.294672	7.651381	7.716596	7.779065	8.115014	8.151204	8.151955	7.954258	7.999854	8.046867	8.064472	8.10972	8.118658
PRKG2	ENSG0000	-0.49157	1.890442	-3.49545	0.002678	0.01026	-1.74527	1.791852	2.49222	2.194417	2.143217	1.666451	1.669505	1.70672	1.658879	1.50602	2.790717	2.912585	2.714318	2.67247	2.797719	2.618601	2.229352	2.711397	2.528753
RASGEF1B	ENSG0000	-0.26486	0.29672	-1.27825	0.217875	0.326755	-5.88825	0.41387	0.316291	0.219246	0.106501	0.25478	0.106501	0.269385	0.387194	0.106501	3.367773	3.478738	3.254982	4.379991	4.344933	4.460466	3.181381	2.934355	3.254409
SEC31A	ENSG0000	0.117768	8.005747	3.160598	0.005563	0.018344	-3.40162	8.051146	8.075579	8.078204	8.293719	8.242765	8.287405	8.196914	8.152044	8.206376	7.684048	7.676371	7.657505	8.090134	8.074334	8.067277	7.773736	7.780425	7.821088
GPAT3	ENSG0000	0.712832	6.416193	2.326225	0.032263	0.073372	-4.87431	6.502012	6.62294	6.684422	8.25874	8.134451	8.079191	7.695933	7.610493	7.537518	5.589243	5.566627	5.677352	4.787617	4.743056	4.897167	5.932386	5.798808	5.796022
FGF2	ENSG0000	0.159783	1.67144	0.766094	0.453843	0.574382	-5.71459	7.995871	7.980599	7.980113	8.470089	8.417662	8.449611	8.136843	8.232997	8.08856	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
BBS7	ENSG0000	-0.19401	4.18172	-1.51487	0.14768	0.241632	-5.87061	3.967917	4.029182	4.042515	4.532944	4.726954	4.869675	3.814892	3.698786	3.746538	4.443094	4.411431	4.408771	4.298046	4.390067	4.56581	4.271827	4.343431	4.18401
KIAA1109	ENSG0000	-0.13075	5.918942	-1.80381	0.088525	0.162149	-5.78118	5.810559	5.860909	5.861303	5.980046	6.03393	6.204178	5.824425	5.80423	5.776337	5.969338	6.157786	5.665089	6.273446	6.305411	6.2631	5.726727	5.703538	5.765225
BMPR1B	ENSG0000	0.190154	2.790315	1.005925	0.328176	0.44815	-6.31044	1.642349	1.978677	1.54317	2.91067	2.811499	2.904994	1.389995	1.001115	1.171446	4.020609	4.051023	3.91004	4.454245	4.53375	4.516048	4.336692	4.357943	4.317368
RAP1GDS1	ENSG0000	0.225441	5.206642	3.366345	0.003553	0.012806	-2.66255	4.949597	5.011285	4.990634	5.245847	5.20376	5.45506	5.032629	5.276779	4.994649	5.22572	5.188951	5.258407	5.354592	5.415021	5.308139	5.542855	5.405901	5.582975
LARP1B	ENSG0000	0.169954	4.94268	2.358679	0.030214	0.069511	-4.66921	5.139438	4.925889	4.962565	5.112883	4.70778	4.992837	5.157514	5.197177	5.2343	5.079966	5.043519	4.909182	4.577158	4.79096	4.569568	5.19652	5.126826	5.11295
PDE5A	ENSG0000	-0.46508	1.608157	-3.22486	0.004837	0.016444	-2.54534	0.587539	1.226787	0.829201	0.52061	0.730585	0.657796	0.548589	0.387194	0.735084	4.043261	3.907656	3.872611	5.003078	4.9104	4.972896	3.685048	3.37582	3.509302
PRDM5	ENSG0000	0.12299	1.042972	0.591538	0.561734	0.671995	-5.98123	2.526909	2.068355	2.469799	2.393052	2.117603	2.098749	2.144798	2.540248	2.643847	1.199504	1.029669	1.188864	1.186687	0.986036	0.651457	1.387593	1.2488	0.93723
NAAA	ENSG0000	0.450325	3.266521	4.942358	0.000114	0.000841	1.132194	2.884092	2.853456	2.812981	3.605613	3.588725	3.247073	3.539581	3.619579	3.271973	3.265521	3.406729	3.36689	3.825085	3.772912	3.593499	3.630901	3.587665	3.641153
NUP54	ENSG0000	0.019385	5.476165	0.215426	0.831929	0.885135	-7.30693	5.633672	5.659206	5.605332	4.694564	4.888929	4.707606	5.59402	5.506949	5.416114	5.776643	5.70649	5.704234	5.506677	5.620257	5.592963	5.796027	5.87478	5.902962
BMP2K	ENSG0000	0.499447	4.575119	4.797249	0.000156	0.001076	0.579619	4.117062	4.177623	4.174224	4.654117	4.594038	4.685302	4.938902	4.976535	4.88411	4.327889	4.521599	4.246333	5.034222	5.063124	5.168932	4.664377	4.609106	4.646745
G3BP2	ENSG0000	0.770092	7.610135	17.18492	2.18E-12	1.37E-09	18.68915	7.200137	7.212099	7.0858	7.864352	7.890583	7.853386	7.974349	8.095843	8.006507	7.148623	7.236717	7.139297	7.6101	7.630631	7.615272	7.866719	7.825937	7.867396
SEPTIN11	ENSG0000	0.430209	6.92444	3.292162	0.004177	0.014612	-3.02764	6.574748	6.60557	6.59844	7.665046	7.587351	7.71849	7.333456	7.326535	7.330738	6.664441	6.650558	6.58464	6.611037	6.685371	6.672491	6.733826	6.753115	6.773159
FRAS1	ENSG0000	0.433896	2.886186	2.229175	0.039187	0.085539	-4.65563	2.165157	2.009193	2.248556	1.840866	2.03796	2.22781	1.160105	1.15884	0.735084	4.20268	4.394983	3.872611	5.134119	5.175668	5.200779	4.859472	4.680124	4.926702
SCARB2	ENSG0000	0.486215	8.054924	3.653077	0.001894	0.007754	-2.33832	7.623171	7.663809	7.679318	8.974526	8.82268	8.964712	8.220757	8.278293	8.288419	7.663634	7.628808	7.625164	7.845901	7.895727	7.918314	7.975955	7.981644	8.043187
CCNG2	ENSG0000	0.203288	3.826286	2.263357	0.036605	0.081096	-4.6123	3.100204	2.886707	3.090013	4.062381	3.722109	3.807755	3.423261	3.214961	3.357206	4.03198	4.407337	4.029643	4.792829	5.065909	5.031287	4.258497	4.391248	4.216898
CNOT6L	ENSG0000	0.07069	4.978932	0.706272	0.489327	0.606982	-6.94625	4.91334	5.102561	5.126945	5.20443	5.029402	5.257578	5.253102	5.141559	5.265504	5.12844	5.188951	4.990056	4.477091	4.70069	4.480563	5.110102	5.02441	5.077574
USO1	ENSG0000	-0.08283	6.932903	-1.35523	0.1926	0.296147	-6.55858	7.098846	7.125956	7.124316	7.254813	7.121975	7.230656	6.848198	6.827456	6.83374	6.816009	6.795455	6.758869	6.818221	6.872725	6.833513	6.874451	6.868259	6.909169
SHROOM3	ENSG0000	-0.52647	5.112545	-5.14791	7.39E-05	0.000599	1.12649	4.059241	3.768792	3.773804	3.290819	3.643567	3.247073	2.667326	2.568641	2.697131	7.054894	7.093077	7.063465	7.587407	7.542424	7.544484	6.661395	6.755857	6.642477
ANXA3	ENSG0000	-0.79061	6.624667	-2.11892	0.048701	0.101577	-5.35747	7.984266	7.968517	7.894096	5.475981	5.596688	5.538302	6.051319	6.112173	6.025816	6.516467	6.420038	6.602612	7.141997	7.103648	7.171845	6.649529	6.635939	6.662909
PPA2	ENSG0000	0.151429	6.239712	3.892732	0.001118	0.005107	-1.6615	6.268416	6.285444	6.283758	6.500859	6.3361	6.36717	6.311847	6.363784	6.443353	6.010153	6.023794	6.030584	6.227989	6.261152	6.303148	6.227433	6.251582	6.173105
CENPE	ENSG0000	0.517911	3.237143	2.40932	0.027259	0.064204	-4.21128	3.643304	3.829904	3.55495	3.392671	3.34578	3.391835	4.302704	4.467202	4.505294	3.651939	3.735447	3.538032	1.667235	1.622273	1.695314	3.793775	3.644015	3.969186
GSTCD	ENSG0000	-0.08938	3.85111	-0.97422	0.343239	0.464187	-6.58175	3.593253	3.58855	3.28395	3.342644	3.225109	3.119801	3.523527	3.592179	3.357206	4.867929	4.939615	4.876465	4.002038	3.858903	3.8186	4.790139	4.710599	4.802199
INTS12	ENSG0000	0.011449	4.786519	0.170954	0.866223	0.909951	-7.16656	4.693417	4.738249	4.715879	4.40878	4.607895	4.562192	4.944941	4.722281	4.825493	4.977839	4.939615	5.037335	5.014278	5.020703	5.105638	5.036515	4.850589	4.918728
ENPEP	ENSG0000	0.196276	1.892081	1.468646	0.159697	0.256839	-5.58614	1.18244	0.661886	0.964748	1.519216	1.556428	1.840725	1.160105	1.430416	1.50602	3.275122	3.30476	3.305013	3.646572	3.688714	3.665494	3.133504	3.476789	3.487904
CASP6	ENSG0000	-0.15572	4.40243	-1.50131	0.151125	0.246138	-6.01404	4.066597	4.073175	3.764544	3.944346	3.820593	3.807755	4.111894	4.175703	4.189248	4.920876	5.016893	4.947938	5.235223	5.272852	5.186167	4.595365	4.710599	4.72199
LEF1	ENSG0000	-0.04925	0.594988	-0.19216	0.849836	0.899069	-6.45012	0.882475	0.8079	0.829201	0.258133	0.512209	0.746642	0.106501	0.253663	0.39151	2.635389	2.618839	2.592986	3.332595	3.263212	3.429496	2.706012	2.947209	2.990979
HADH	ENSG0000	-0.293	5.405526	-4.02081	0.000844	0.004085	-1.26576	5.788487	5.776943	5.710337	5.412733	5.342823	5.445139	5.736627	5.695778	5.735532	5.676959	5.525662	5.589242	5.172618	4.938017	5.11852	5.052051	5.115482	5.105943
EGF	ENSG0000	0.041218	2.803236	0.120746	0.90527	0.937387	-6.44462	4.428132	4.604738	4.553323	5.190356	5.1432	5.028711	4.528631	4.644388	4.599264	2.282443	1.967585	1.759838	0.787801	1.120667	0.910419	1.708352	1.795362	2.174206
PAPSS1	ENSG0000	-0.28217	5.732726	-3.78533	0.001416	0.006168	-1.8313	5.836608	5.831327	5.891391	5.667647	5.766907	5.646163	5.253102	5.380521	5.325957	5.77326	5.858184	5.829169	6.133567	6.165747	6.145923	5.70396	5.789916	5.696929
SEC24B	ENSG0000	0.102495	5.815457	2.090607	0.051463	0.106077	-5.301	5.768329	5.754602	5.746061	5.687824	5.684306	5.722075	5.95585	5.75257	5.931692	5.834606	5.853677	5.785781	5.935709	6.013985	5.987815	5.85183	5.940538	5.944791
PPP3CA	ENSG0000	0.359775	5.496383	4.754739	0.000171	0.001156	0.337397	4.669462	4.804995	4.715879	6.041444	5.876854	6.094204	5.049544	5.053893	4.99996	5.508112	5.288033	5.356567	6.255623	6.300691	6.287262	5.745959	5.750126	5.767446
SLC39A8	ENSG0000	1.306764	5.549167	5.222104	6.32E-05	0.000527	1.408555	5.611213	5.680694	5.571218	7.136235	6.911849	7.082791	7.377663	7.392547	7.339143	4.451587	4.494836	4.671058	3.974777	4.022628	4.046009	5.026064	4.936897	4.946447
FBN2	ENSG0000	-0.37599	3.302616	-1.85025	0.081256	0.152224	-4.66433	7.830192	7.968517	8.034573	6.591112	6.510356	6.815216	7.701295	7.520697	7.554761	1.199504	1.265082	0.884879	0.407676	0.345231	0.533283	0.686723	0.69947	0.805046
MAPK8IP3	ENSG0000	-0.18033	5.239225	-2.53863	0.020895	0.052076	-4.39427	4.548594	4.293732	4.647003	4.863733	4.894593	4.71863	4.185161	4.265167	4.512744	5.813348	5.898124	5.855788	6.550006	6.486722	6.527404	5.635142	5.832106	5.585495
RGS3	ENSG0000	0.361353	4.506602	5.853324	1.71E-05	0.000194	2.693508	3.249862	3.057038	3.24453	3.487804	3.502343	3.03415	3.474265	3.833587	3.586306	5.691372	5.76526	5.741047	5.739109	5.552391	5.598492	5.988637	6.104426	6.077854
GUCD1	ENSG0000	-0.16651	6.196721	-2.87888	0.010207	0.029554	-3.83689	5.98179	6.002253	5.980067	6.229828	6.293865	6.198283	5.866398	5.851216	5.806958	6.510383	6.539897	6.491259	6.391535	6.426255	6.350875	6.319104	6.370866	6.298239
RNF185	ENSG0000	0.705874	6.26784	4.780343	0.000162	0.001104	0.339584	6.22141	6.304024	6.160332	7.594658	7.556423	7.650321	7.434574	7.34101	7.363038	5.272006	5.419887	5.320535	5.737758	5.786458	5.753539	5.402449	5.442675	5.472921
SHISAL1	ENSG0000	0.432617	0.559739	1.138987	0.270079	0.386762	-5.35668	4.941618	4.988492	5.094055	5.227586	5.20376	5.280077	5.510962	5.356295	5.261087	0.106501	0.106501	0.106501	0.294634	0.345231	0.106501	0.106501	0.19538	0.214669
B4GALNT3	ENSG0000	0.618038	3.240852	5.97057	1.35E-05	0.000161	3.053009	1.430644	1.374745	1.202741	2.359902	2.299368	2.374422	1.588238	1.15884	1.50602	4.977839	5.003394	5.058324	5.565727	5.556356	5.622205	5.660702	5.751959	5.547215
ERP27	ENSG0000	0.193906	0.349637	1.878033	0.077165	0.146211	-5.29357	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.386642	4.463628	4.190389	5.652873	5.564254	5.64197	4.450484	4.559742	4.602629
ETV6	ENSG0000	0.007067	4.095463	0.067201	0.947185	0.965695	-7.09025	2.815895	2.935191	2.621113	3.851999	3.855857	3.9455	3.137083	3.196885	3.023464	5.215784	5.046155	4.987869	5.291546	5.381888	5.414342	5.041713	4.987552	4.914724
GABARAPL	ENSG0000	0.623997	5.843797	4.768198	0.000166	0.001129	0.484983	6.624189	6.629094	6.447493	8.319273	8.266983	8.331158	7.421639	7.441347	7.516364	3.920163	4.029873	3.905414	5.150455	5.16532	5.215244	3.818209	3.822043	3.999746
KIF21A	ENSG0000	-0.00291	6.056866	-0.04809	0.962188	0.975683	-7.32625	6.595237	6.64861	6.590601	6.931482	6.931266	6.879249	6.768706	6.70969	6.698191	5.45208	5.473744	5.429264	5.489122	5.487419	5.441254	5.122419	5.391866	5.431488
CPNE8	ENSG0000	0.257886	4.850348	1.601092	0.127275	0.215599	-5.894	4.712298	4.796272	4.835673	5.26388	5.3917	5.408166	5.639419	5.450851	5.497217	4.845549	4.916753	4.768526	4.32708	4.450973	4.165038	4.526597	4.641102	4.627304
YARS2	ENSG0000	-0.25164	5.718022	-5.2579	5.86E-05	0.000497	1.341764	5.930304	5.850414	5.990033	5.161789	5.226392	5.139498	5.55111	5.543171	5.537947	6.083021	6.187935	6.247143	5.613644	5.666849	5.645534	6.012657	6.004966	6.050746
FGD4	ENSG0000	-0.11959	4.207287	-0.7101	0.487008	0.605142	-6.82178	4.006674	3.61855	3.62825	3.51817	3.531716	3.584921	3.976929	4.157125	4.288067	4.64911	4.752166	4.649089	5.252352	5.265605	5.290032	4.386563	4.40994	4.292899
ALG10	ENSG0000	-0.08439	2.841843	-1.1031	0.284942	0.402662	-6.23898	2.688195	2.730641	2.399755	2.021307	2.117603	1.993763	2.607661	2.938616	2.588518	3.962373	3.970058	4.083875	3.228726	3.131201	3.064395	3.940112	3.88352	3.744016
SINHCAF	ENSG0000	-0.10167	6.753768	-1.68152	0.110442	0.19308	-6.12145	6.05942	6.192103	6.033084	5.499001	5.554381	5.538302	5.80795	5.9217	5.709835	7.737548	7.806048	7.763231	7.638969	7.617407	7.670992	7.748927	7.749571	7.82536
AEBP2	ENSG0000	-0.04196	5.120084	-0.5503	0.589079	0.693753	-7.08876	5.300954	5.240779	5.393406	4.701197	4.86605	4.809079	5.356409	5.408281	5.556087	5.321493	5.288033	5.256592	5.071159	4.988782	5.003776	5.077578	5.101177	5.191165
ETFBKMT	ENSG0000	-0.11661	1.264083	-0.66678	0.513621	0.628587	-6.04095	1.642349	1.551021	1.585853	1.791994	1.909591	1.575618	1.459147	1.901414	1.564539	1.891119	1.725977	1.67541	2.466086	2.433888	2.276326	1.387593	1.766644	1.665483
ETNK1	ENSG0000	-0.11747	5.584168	-1.37593	0.18622	0.288536	-6.39831	5.388667	5.355074	5.353819	5.195063	5.099733	5.234723	5.69423	5.698992	5.420081	6.214827	6.225628	6.134053	5.517738	5.526348	5.517157	5.78677	5.812922	5.906998
ZCRB1	ENSG0000	-0.04221	5.62142	-0.82998	0.417745	0.539506	-6.92614	6.136585	6.104721	6.144358	6.038828	6.044157	6.033699	6.02305	6.080481	6.028417	5.180457	5.181778	5.191584	5.254243	5.379652	5.352435	5.077578	5.314612	5.184529
TMEM117	ENSG0000	-0.53219	1.504906	-3.76208	0.00149	0.006423	-1.03272	2.589523	2.693541	2.600444	2.633943	2.881616	2.741673	2.26554	2.324112	2.239236	1.52331	1.752042	1.73919	1.365252	1.462417	1.456457	1.099384	1.478665	1.170016
PRICKLE1	ENSG0000	0.313309	4.944986	1.807765	0.087884	0.161286	-5.58539	4.09565	4.14364	4.124423	5.452586	5.199191	5.352637	5.193472	5.263813	5.296047	4.954128	4.81224	4.8741	5.760552	5.740146	5.75519	4.584723	4.656838	4.670683
C1RL	ENSG0000	0.55546	3.639531	8.197892	2.14E-07	6.37E-06	7.311211	2.369288	2.748839	2.469799	3.325575	3.560502	3.523386	2.884002	3.335526	3.162566	4.082065	4.066685	4.046548	4.888451	4.913495	4.938437	4.496632	4.542904	4.607598
NDUFA9	ENSG0000	0.12991	2.820681	1.104834	0.284209	0.401826	-6.03554	3.17016	2.748839	2.900124	3.237064	2.970101	3.292047	3.115825	3.462004	3.271973	2.978724	2.841532	3.085394	2.842976	2.962168	2.821313	3.032701	2.921385	2.706008
CLSTN3	ENSG0000	0.71317	4.52485	5.02869	9.51E-05	0.000729	0.991139	3.27548	3.142112	3.217639	3.441022	3.31232	3.689474	3.238915	3.318907	3.468658	4.960093	5.079989	5.005268	6.81886	6.819276	6.824107	5.789862	5.840742	5.855713
VAMP1	ENSG0000	0.045196	1.442241	0.174303	0.863631	0.908471	-6.17467	2.9807	3.286138	2.848472	2.97776	3.033076	2.845893	3.539581	3.178579	3.4839	1.278001	1.190799	1.360915	1.018891	0.7293	1.17005	0.738851	0.637375	1.115245
TAPBPL	ENSG0000	-0.10933	4.130272	-1.38409	0.18375	0.285653	-6.11395	3.408783	3.298545	3.565652	3.977507	3.901574	3.964146	3.137083	3.043491	3.389938	4.699893	4.712893	5.003104	5.227545	5.287239	5.198354	4.727016	4.90431	4.607598
PEX5	ENSG0000	-0.25036	5.81133	-3.39747	0.003319	0.012142	-2.70394	5.82147	5.932317	5.906203	5.44865	5.4273	5.414959	5.347317	5.344028	5.412136	6.111435	6.076316	6.194078	6.206666	6.123609	6.12437	6.120972	6.063691	6.013792
AMIGO2	ENSG0000	-0.25642	7.149904	-2.33157	0.031917	0.072701	-5.00671	7.142136	7.086253	7.087657	7.581237	7.496235	7.571948	6.901967	6.956616	6.942549	7.374205	7.344504	7.379216	7.013377	6.943316	6.979768	6.997906	7.077103	7.013002
SCAF11	ENSG0000	-0.11033	7.114509	-2.92677	0.009213	0.027246	-3.82395	7.361337	7.330111	7.332117	7.36229	7.355491	7.397718	7.273525	7.247511	7.252803	7.032426	7.074477	6.965203	6.883198	6.906512	6.817011	6.853177	6.897528	6.914191
LLPH	ENSG0000	-0.05231	5.22647	-0.93471	0.362671	0.484389	-6.80303	5.316463	5.418975	5.319453	5.117849	5.114368	5.175948	5.29153	5.160337	5.304656	5.316853	5.231258	5.208582	5.361625	5.390798	5.33267	5.244639	5.217154	5.262209
RPL14P1	ENSG0000	-0.16284	1.517468	-1.08623	0.29213	0.410782	-5.70941	2.461454	2.283367	2.37563	2.325974	1.996426	2.098749	1.867984	2.324112	2.202855	1.891119	1.467416	1.759838	1.711947	1.897007	1.775589	1.571317	1.613793	1.910335
LRIG3	ENSG0000	-0.22217	4.759252	-1.72903	0.101426	0.180838	-5.71051	4.896929	5.048491	4.954444	4.502891	4.439897	4.434292	4.832157	4.981823	4.789145	4.896201	4.827642	4.895252	5.196415	5.112436	5.076884	4.77149	4.460128	4.536426
MARCHF9	ENSG0000	0.774874	2.237935	4.895839	0.000126	0.000909	1.127251	1.010037	0.736739	1.088647	2.359902	2.299368	2.258349	2.01302	1.809233	1.873138	2.955028	3.136872	3.276636	3.768	3.976023	3.892464	3.812139	3.571152	3.487904
GLIPR1	ENSG0000	1.149321	5.151466	10.58042	5.06E-09	3.83E-07	11.00171	4.730936	4.468622	4.681852	6.36336	6.319354	6.37764	6.100847	5.907876	6.128792	4.19764	4.117695	4.083875	5.09878	5.15751	5.217641	4.885721	4.860815	4.886383
PHLDA1	ENSG0000	-0.35082	7.764837	-2.53054	0.021248	0.052726	-4.70142	8.61296	8.596387	8.611763	6.719166	6.867902	6.816499	7.76413	7.70145	7.782151	8.011482	8.047155	8.099762	7.244948	7.281254	7.26459	8.164939	8.15924	8.155598
TMEM19	ENSG0000	0.600358	3.658073	6.777074	2.79E-06	4.82E-05	4.833597	4.09565	4.014214	4.042515	4.955356	4.888929	4.884435	4.832157	4.843429	4.6676	2.664903	2.766797	2.86487	3.205461	3.253475	3.177059	3.001034	3.046116	3.065099
DUSP6	ENSG0000	0.506135	5.036511	1.935804	0.069237	0.133987	-5.53884	3.895419	3.450822	3.511328	4.660937	4.376555	4.264152	4.384974	4.677356	4.72003	6.520509	6.575912	6.544295	4.549709	4.509412	4.562043	6.928759	6.8306	6.764286
POC1B	ENSG0000	0.163443	4.331382	1.817814	0.086275	0.159112	-5.46091	4.48962	4.47956	4.388298	4.733909	4.507984	4.627987	4.716879	4.819999	4.66091	4.417313	4.228596	4.32811	3.825085	4.028349	3.939687	4.353508	4.323851	4.422617
TMTC3	ENSG0000	0.301563	5.223207	4.398547	0.000369	0.002117	-0.37633	5.417718	5.485601	5.472309	5.71757	5.803491	5.767901	5.991301	5.948957	5.877902	4.871097	4.81224	4.629588	4.758606	4.882244	4.769032	4.841704	4.819468	4.902646
LUM	ENSG0000	-0.12301	1.458032	-0.17482	0.86323	0.908267	-6.34332	0.41387	0.215206	0.421314	1.104644	1.437317	1.367251	1.317361	2.029503	1.727075	2.078238	1.989662	2.07201	6.710792	6.700679	6.799518	1.571317	1.581179	1.461048
SNRPF	ENSG0000	-0.25201	6.202329	-5.13097	7.66E-05	0.000615	1.020636	6.801072	6.831564	6.767886	5.800209	5.806499	5.727543	6.353309	6.476718	6.439449	6.401729	6.36937	6.428965	5.628298	5.710205	5.680705	6.274548	6.260621	6.259301
AMDHD1	ENSG0000	2.20251	1.957957	7.96345	3.21E-07	8.65E-06	6.736368	2.19231	2.403106	2.166567	4.99368	4.745876	5.089421	4.504297	4.533523	4.606245	0.7264	0.89579	0.807652	1.308151	1.428204	1.456457	1.13872	1.329561	1.115245
NEDD1	ENSG0000	0.39351	6.05691	2.303096	0.033802	0.076177	-4.91583	6.206505	6.170327	6.165618	6.836776	6.591051	6.659462	7.038149	7.10333	7.12131	5.834606	5.78275	5.794563	5.125882	5.093459	5.151487	5.467617	5.625718	5.701584
GAS2L3	ENSG0000	0.304632	2.090307	0.934761	0.362647	0.484389	-6.00956	2.725848	2.693541	2.579475	2.791417	3.188693	2.865864	3.440463	3.521314	3.4839	2.620402	2.604605	2.638296	1.154653	0.888753	1.08859	1.970607	2.233409	2.06284
SLC15A4	ENSG0000	0.367022	4.353775	4.430871	0.000344	0.002003	-0.16142	4.09565	3.952741	4.050156	4.898777	4.776871	4.849758	4.348988	4.230044	4.270596	4.109157	4.200477	4.238998	4.618846	4.592857	4.653399	4.552316	4.584635	4.651565

TDG	ENSG0000	-0.62342	6.063671	-14.7598	2.64E-11	7.33E-09	16.21094	6.607897	6.689226	6.621703	5.815573	5.847955	5.809741	5.994216	6.116987	6.036192	6.615209	6.502	6.553195	5.564203	5.534411	5.499538	5.898412	5.916229	5.936917
RITA1	ENSG0000	0.409613	5.373356	7.457887	7.88E-07	1.77E-05	5.803833	4.981078	4.961437	5.071705	5.456512	5.529116	5.418344	5.490461	5.360361	5.396113	5.24783	5.370266	5.35826	5.551958	5.464391	5.570637	5.723497	5.786343	5.63013
SDSL	ENSG0000	-0.10854	4.131211	-0.70236	0.491705	0.609194	-6.74394	4.10996	4.249682	4.1812	4.440838	4.752128	4.351728	3.941119	3.232814	3.389938	4.20268	4.186209	4.268117	4.531115	4.394504	4.311352	4.414877	4.432969	4.515429
MMAB	ENSG0000	0.125935	4.91962	2.248018	0.037744	0.0831	-4.85314	5.397444	5.407565	5.426074	4.97738	4.883243	4.798728	5.597858	5.571508	5.653661	4.779626	4.651904	4.791271	4.376523	4.354074	4.423569	4.774615	4.850589	4.749225
GLTP	ENSG0000	0.041372	6.070547	0.589087	0.56334	0.673521	-7.15386	6.830535	6.855904	6.893195	6.551287	6.693695	6.712811	6.881645	6.824516	6.874788	5.257549	5.336211	5.29777	5.497128	5.629696	5.41643	5.442295	5.341637	5.380146
GIT2	ENSG0000	0.419941	5.569213	4.867124	0.000134	0.000957	0.604195	5.958255	5.809819	5.796906	6.320926	6.135476	6.280554	6.473082	6.480459	6.458862	4.779626	4.833757	4.760864	5.302552	5.294379	5.280893	4.902958	4.975054	5.019105
TCHP	ENSG0000	0.26077	5.108531	4.857587	0.000137	0.000974	0.618347	5.682365	5.496413	5.544416	5.245847	5.375591	5.159862	5.910274	5.929932	5.951015	4.809665	4.77459	4.745417	4.499582	4.438137	4.444184	4.9115	4.90431	4.946447
FAM222A	ENSG0000	-0.03595	3.4435	-0.17499	0.863102	0.908249	-6.79517	4.284124	4.366251	4.553323	4.041626	4.020303	3.878271	4.393833	4.070428	4.261781	3.196464	3.406729	3.738597	1.935792	1.921808	2.07955	3.560228	3.698248	3.498643
NUP58	ENSG0000	0.171093	6.830684	4.200771	0.000569	0.002985	-1.07052	7.419943	7.368867	7.377619	6.462335	6.283111	6.448879	7.451643	7.454721	7.466405	6.820933	6.809485	6.810504	5.917927	5.995119	5.875427	7.064529	7.06167	7.116848
MTMR6	ENSG0000	-0.03717	5.451461	-0.64279	0.528704	0.641863	-7.05836	5.772833	5.796758	5.717553	5.643745	5.634408	5.640377	5.919505	5.913422	5.860491	5.240498	5.409689	5.388409	5.152484	5.154897	5.047545	5.156356	5.101177	5.19777
SLC46A3	ENSG0000	1.937278	0.11025	5.877532	1.63E-05	0.000187	3.014513	3.975752	4.029182	3.764544	6.176088	5.986987	6.059941	5.879071	5.868449	5.897954	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SLC7A1	ENSG0000	0.035045	7.363132	0.402924	0.69189	0.779635	-7.43663	7.947387	7.899941	8.003424	7.139902	7.239007	7.216145	8.200073	8.135531	8.193687	7.234789	7.151159	7.132386	6.785909	6.681745	6.705311	7.032907	6.998236	7.012065
LNX2	ENSG0000	-0.10829	4.436343	-1.97133	0.064731	0.127176	-5.27258	3.928091	3.888531	3.979882	4.254996	4.284653	4.379778	3.965091	3.698786	3.783962	4.877414	4.992502	4.86698	5.289704	5.381888	5.136365	4.793224	4.84029	4.806527
SUOX	ENSG0000	0.226296	3.966614	3.012429	0.007664	0.023495	-3.1707	3.361722	3.405656	3.25779	3.933121	3.784444	3.936085	3.879385	3.564249	3.890739	4.177304	4.242453	4.186581	4.831335	4.934974	4.836082	4.32395	4.348284	4.261717
TARBP2	ENSG0000	-0.04645	5.333616	-0.87271	0.394655	0.516264	-6.86784	5.49062	5.449895	5.350729	5.404628	5.539998	5.411567	5.590171	5.368459	5.512161	5.312197	5.303538	5.361641	5.372111	5.303845	5.290032	5.224213	5.092525	5.2872
NABP2	ENSG0000	0.039639	5.53075	0.681508	0.504481	0.620387	-7.04391	5.847324	5.920324	5.908307	5.839819	5.845033	5.885062	5.757368	5.899518	5.875015	5.302841	5.242793	5.341234	5.121745	5.020703	5.100452	5.496293	5.334317	5.406045
SMARCC2	ENSG0000	0.136849	6.738777	3.198996	0.005117	0.017194	-3.22047	6.429698	6.338981	6.550756	6.911603	7.010339	6.912032	6.612415	6.530034	6.462714	6.64606	6.717402	6.659351	7.111553	7.057531	7.078012	6.819532	6.844408	6.859005
BRCA2	ENSG0000	-0.27595	3.384929	-1.64914	0.116975	0.202023	-5.60079	3.895419	3.920993	4.050156	2.955742	3.053471	3.168853	3.747379	3.698786	3.844255	4.30464	4.490971	4.32811	2.314863	1.993753	1.970087	4.057652	4.134537	3.937965
KANSL2	ENSG0000	-0.08555	5.368431	-1.25361	0.226493	0.336815	-6.49761	5.567812	5.528369	5.477985	5.408686	5.274966	5.118843	5.198536	5.416115	5.383978	5.676959	5.413777	5.63327	5.125882	5.098907	5.255457	5.616106	5.515684	5.567757
CERS5	ENSG0000	-0.00075	4.986635	-0.01315	0.989655	0.993211	-7.19325	4.811948	4.961437	4.840087	5.250376	5.157403	5.024275	4.591583	4.843429	4.758139	4.942125	5.014203	4.959141	5.440132	5.377412	5.441254	5.067422	5.006099	5.11644
MAP3K12	ENSG0000	0.33047	3.062295	1.070529	0.298943	0.417758	-6.03044	2.688195	2.49222	2.109199	4.904536	4.950037	4.864722	2.607661	2.676938	2.588518	2.763691	2.865607	2.756026	3.825085	3.544454	3.68641	3.043104	3.022017	3.241681
ITGB7	ENSG0000	0.375333	-0.57308	1.437535	0.168229	0.26733	-5.09343	0.41387	0.410755	0.323815	0.395333	0.25478	0.3528	0.670238	1.231675	0.39151	1.278001	1.265082	1.188864	1.392977	0.986036	1.390007	1.286141	1.16325	1.370407
GALNT6	ENSG0000	0.397721	2.591196	6.041248	1.17E-05	0.000145	3.033978	0.216396	0.410755	0.512639	0.52061	0.512209	0.657796	0.269385	0.509405	0.256032	6.737447	6.782077	6.7434	6.935392	6.842193	6.902174	7.133088	7.175969	7.17072
CSAD	ENSG0000	-0.63627	3.151234	-3.90689	0.001084	0.004992	-0.9944	3.662849	3.61855	3.871922	4.142539	3.934936	4.241401	3.178682	3.023117	3.236418	3.403229	3.470912	2.983737	2.949505	2.824271	3.085545	2.494877	2.755911	2.880366
LMBR1L	ENSG0000	1.738577	3.978904	15.95329	7.41E-12	2.85E-09	17.18094	2.245129	2.513665	2.326135	4.746789	4.607895	4.849758	4.376062	4.194045	4.093134	3.411958	3.241771	3.360144	5.196415	5.01783	5.222422	4.871197	4.729324	4.775955
MYG1	ENSG0000	-0.1735	5.882923	-2.76052	0.013128	0.036165	-4.02147	6.232898	6.175382	6.155027	5.85774	5.95482	6.031491	5.97958	6.045554	6.262951	5.901221	5.714797	5.915671	5.812803	5.748835	5.740264	5.642002	5.52857	5.649533
ESYT1	ENSG0000	0.445789	6.774479	8.807676	7.70E-08	3.03E-06	8.051217	6.374462	6.291664	6.254291	6.97318	7.057803	7.111303	6.892623	6.823043	6.794548	6.658034	6.538026	6.52633	7.076718	6.974026	7.027678	6.957229	6.946362	6.912185
TMBIM6	ENSG0000	0.452996	9.704586	4.714143	0.000186	0.001238	-0.12422	9.186929	9.200713	9.160747	9.995752	9.93545	9.967784	10.02599	10.00284	9.995171	9.644166	9.60235	9.584134	9.748524	9.755203	9.754937	9.705733	9.699738	9.749202
ANKRD52	ENSG0000	-0.44382	7.892305	-6.13199	9.80E-06	0.000127	2.986058	8.442157	8.417751	8.46621	7.788524	7.875627	7.896496	7.843868	7.6829	7.729574	8.096519	8.04518	7.973964	7.486063	7.426433	7.531538	7.894633	7.791159	7.788094
ZNF740	ENSG0000	-0.22291	5.887414	-2.36922	0.029576	0.068429	-4.81217	5.983734	6.013586	6.009761	5.320976	5.446705	5.513197	5.777814	5.656635	5.680369	6.045645	6.174747	6.137016	6.27158	6.273249	6.218323	5.950461	5.954929	6.002519
WDFY2	ENSG0000	0.003017	5.766018	0.049978	0.960707	0.974806	-7.24343	6.704182	6.752599	6.801098	6.993586	6.892168	7.006136	6.785632	6.76748	6.651711	4.626786	4.902278	4.760864	4.818614	4.707838	4.829829	4.743057	4.808944	4.857474
HNRNPA1L	ENSG0000	0.188637	1.435169	1.113356	0.280633	0.398023	-5.75927	1.235614	1.226787	1.406977	1.933905	1.666451	1.757653	1.70672	1.901414	1.727075	2.338465	2.303453	2.272125	1.973006	2.190279	2.34809	2.317694	2.37332	1.910335
LPAR6	ENSG0000	-0.18854	0.354815	-0.7899	0.44017	0.561131	-5.68879	1.791852	2.068355	1.78216	2.291228	2.193078	2.346268	2.058296	1.988058	1.564539	0.7264	0.89579	0.76743	0.5125	0.671977	0.760679	0.517985	0.816175	0.497646
ESD	ENSG0000	0.371385	6.270888	6.358672	6.26E-06	8.92E-05	3.597369	6.487014	6.595549	6.38542	6.515985	6.601477	6.645089	6.943283	6.785736	6.811259	5.64954	5.739435	5.738449	5.923879	6.160546	5.996216	6.179906	6.051838	6.024978
RB1	ENSG0000	0.111319	5.685645	1.555721	0.137695	0.229047	-6.15141	5.391599	5.375715	5.38134	5.615935	5.634408	5.602196	5.715585	5.692556	5.559688	6.038616	5.987229	5.91452	5.667135	5.694099	5.697974	6.007353	5.896482	5.991156
SBNO1	ENSG0000	-0.0838	6.685674	-1.26602	0.222122	0.331881	-6.66613	6.897029	6.952304	6.944323	6.279424	6.182532	6.35309	7.035321	7.105754	7.061612	6.91835	6.963128	6.956844	6.291051	6.327622	6.326654	6.718492	6.598745	6.695945
SETD1B	ENSG0000	0.171153	6.005451	2.223454	0.039635	0.086364	-5.06843	5.79071	5.848305	5.895639	6.406612	6.552164	6.470234	6.040078	6.007169	6.041352	5.747627	5.832457	5.911063	6.146858	5.961126	5.930525	6.027141	6.014158	5.894855
VPS33A	ENSG0000	0.026396	4.573542	0.357821	0.724762	0.804833	-6.98726	4.772011	4.872944	4.917323	5.355021	5.162106	5.352637	4.877071	4.894793	4.989319	4.256985	4.242453	4.220495	4.298046	4.372183	4.27499	4.236002	4.30899	4.073428
VPS37B	ENSG0000	-0.38676	6.690479	-3.62983	0.001993	0.008066	-2.30811	6.54214	6.600568	6.626822	5.913065	6.03393	5.986596	6.404611	6.203275	6.40983	7.203077	7.192789	7.381716	7.287114	7.245476	7.275559	6.904002	6.763145	6.7271
RHOF	ENSG0000	-0.6178	7.401528	-2.93917	0.008971	0.026642	-3.83472	8.502384	8.438221	8.492739	7.045329	7.121975	6.975445	6.96425	6.993736	6.975272	7.373647	7.256768	7.456749	7.069756	7.004096	7.041273	7.575233	7.55021	7.557823
DENR	ENSG0000	-0.22976	7.285619	-4.39187	0.000375	0.002137	-0.6854	7.464475	7.500222	7.48441	6.948306	6.904851	6.89634	7.396517	7.434614	7.400667	7.618151	7.581895	7.616346	7.081518	7.118474	7.139345	7.208391	7.228247	7.292199
DIAPH3	ENSG0000	0.122074	3.597609	1.05197	0.307141	0.426583	-6.33444	4.059241	3.952741	4.167214	3.688057	3.441741	3.535905	4.552561	4.474723	4.3476	3.792275	3.884278	3.951019	2.791825	2.686334	2.633039	3.799922	3.786722	3.530388
SLAIN1	ENSG0000	1.521423	2.827398	8.824477	7.49E-08	2.96E-06	8.352251	1.430644	1.780637	1.406977	3.753334	3.630051	3.666886	3.571163	3.285084	3.406029	2.605258	2.516115	2.460504	3.86027	3.799921	3.837423	3.52355	3.347011	3.375875
RBM26	ENSG0000	0.098314	6.013932	2.155909	0.045296	0.095819	-5.18853	6.511476	6.440439	6.531778	6.222931	6.214581	6.295356	6.660922	6.609051	6.62102	5.669698	5.633002	5.597869	5.565727	5.487419	5.54032	5.62479	5.678704	5.778504
MBNL2	ENSG0000	-0.45501	5.494679	-1.82215	0.085589	0.158112	-5.65184	6.431123	6.498057	6.51669	5.536571	5.367468	5.451761	5.891633	5.935393	6.031013	5.026968	4.97047	4.90687	5.691062	5.70128	5.716735	4.545014	4.755137	4.577525
ZIC5	ENSG0000	0.045295	1.600147	0.223188	0.825977	0.880964	-6.22875	2.996191	3.310847	3.190238	3.325575	2.811499	2.805104	3.352323	3.26787	3.143496	1.586365	1.369793	1.360915	0.656707	0.784432	0.910419	1.354562	1.2488	1.461048
ABHD13	ENSG0000	0.324684	4.559098	3.902109	0.001096	0.005025	-1.32991	4.688657	4.769782	4.734969	5.161789	5.029402	5.106307	5.282018	5.241941	5.313214	4.109157	4.34876	4.075663	4.207266	4.288839	4.189664	4.280646	4.134537	4.274271
RAB20	ENSG0000	0.090437	5.419806	0.777652	0.447173	0.567807	-6.78091	6.726412	6.678585	6.701506	7.361243	7.31805	7.361253	6.943283	6.949886	6.999336	4.13575	4.087306	4.067404	3.965575	3.970091	4.062102	3.871719	3.808018	3.571657
GRTP1	ENSG0000	0.360543	2.695008	4.01348	0.000858	0.00413	-0.89461	1.927307	1.744817	1.987129	1.688986	1.996426	1.993763	2.696258	2.108984	2.440135	3.599408	3.715716	3.794706	3.845296	3.946112	3.837423	4.010719	3.903444	4.014786
CUL4A	ENSG0000	0.126166	7.670123	1.808462	0.087772	0.161181	-5.94019	8.582818	8.601403	8.590959	8.200244	8.210776	8.320796	8.906578	8.912666	8.919799	6.922174	6.915633	6.910271	6.52673	6.612974	6.654912	6.821799	6.744856	6.867315
TTC6	ENSG0000	0.119165	0.605551	0.522789	0.607685	0.709906	-5.90085	1.336422	1.591918	1.30847	2.48816	2.299368	2.825643	1.70672	1.658879	1.727075	0.982259	1.029669	0.807652	1.27873	1.203912	1.129895	0.837776	0.924142	0.580851
CDH24	ENSG0000	0.132212	3.709611	1.195904	0.247707	0.361559	-6.33457	2.725848	3.027527	3.148134	2.577385	2.835252	2.557474	3.072345	3.141256	3.124172	4.61171	4.529155	4.554757	5.174616	4.953134	5.13383	4.743057	4.710599	4.59264
REM2	ENSG0000	-0.41126	-0.99057	-1.40927	0.1763	0.277022	-5.16387	0.106501	0.316291	0.598525	0.258133	0.25478	0.2349	0.106501	0.106501	0.256032	1.646779	1.529011	1.631268	1.473091	1.871771	1.550722	1.482378	1.406038	1.461048
CBLN3	ENSG0000	0.095571	1.413303	0.721854	0.479931	0.598936	-6.00092	1.719036	1.631689	1.62731	2.143217	2.229385	2.557474	1.762502	1.605065	1.564539	1.704765	1.827525	1.439812	2.24051	2.451029	2.449456	1.784732	1.737342	1.739782
NOVA1	ENSG0000	0.878621	2.480962	4.050851	0.00079	0.003868	-0.53656	2.568952	2.534795	2.423483	4.281793	4.030628	4.372816	3.315502	3.285084	3.406029	1.676063	1.725977	2.038602	2.178139	2.344993	2.465679	2.368215	2.37332	2.374055
TMX1	ENSG0000	0.435763	6.225855	5.000554	0.000101	0.000761	0.736371	5.440544	5.480165	5.458019	5.910205	5.989635	6.044692	6.330422	6.223506	6.293548	6.543532	6.47975	6.549493	6.469288	6.626238	6.54755	6.69477	6.709457	6.64731
FRMD6	ENSG0000	0.12022	6.570407	0.550168	0.589167	0.693799	-7.27553	7.320388	7.197266	7.245746	6.392338	6.45968	6.345999	7.023954	7.136902	7.180976	5.887203	5.91264	5.712202	6.720398	6.694395	6.68467	6.318033	6.135644	6.198027
PELI2	ENSG0000	0.958721	-0.72666	4.919485	0.00012	0.000873	1.253908	3.011517	3.260998	3.296854	3.77864	3.6964	3.776446	4.274204	4.019913	4.132351	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RTN1	ENSG0000	1.011783	1.115494	4.043798	0.000803	0.003921	-0.40478	6.523553	6.539156	6.519445	6.798628	6.647485	6.593624	7.556939	7.472674	7.578916	0.106501	0.106501	0.106501	0.106501	0.190544	0.106501	0.183756	0.106501	0.106501
SYT16	ENSG0000	0.000558	1.103661	0.004125	0.996755	0.997736	-6.61925	0.667115	0.499412	0.421314	0.635873	1.164793	0.657796	0.548589	0.509405	0.735084	3.576295	3.390227	3.254982	3.031169	3.310934	3.167173	3.307556	3.366281	3.421736
SLC38A6	ENSG0000	0.003157	2.988119	0.028367	0.977691	0.98544	-6.6041	3.498536	3.768792	3.511328	3.944346	3.967543	4.178918	3.676552	3.736817	3.808383	2.679436	2.485369	2.756026	2.749557	2.581279	2.604018	2.464239	2.429363	2.464474
NAA30	ENSG0000	-0.05224	5.220915	-1.24157	0.2308	0.341661	-6.48305	5.263039	5.10962	5.277754	5.12773	5.104628	5.085168	5.049544	5.122533	5.097318	5.395984	5.403536	5.403251	5.354592	5.341097	5.350253	5.44622	5.314612	5.442654
DCAF5	ENSG0000	0.084624	6.08366	1.453101	0.163914	0.261965	-6.35977	5.618738	5.569905	5.560557	5.543969	5.514478	5.660525	5.697811	5.767957	5.633301	6.5195	6.500079	6.381454	6.778045	6.770613	6.805107	6.509315	6.547964	6.542236
RAB15	ENSG0000	0.534287	3.664894	5.36629	4.67E-05	0.00042	1.924964	2.19231	1.978677	1.818408	3.898911	4.030628	4.071231	2.933443	2.511284	2.846105	4.172174	4.117695	3.986493	5.62099	5.572109	5.624013	4.430811	4.525868	4.515429
WDR89	ENSG0000	-0.19173	4.68707	-2.80899	0.011845	0.033283	-3.75719	4.837972	4.804995	4.706239	4.290615	4.213935	4.323123	4.402637	4.357565	4.339245	5.12844	5.000678	5.047868	4.948071	4.956139	5.023089	4.96719	5.042491	5.022829
KCNH5	ENSG0000	-0.198	-0.96245	-0.58066	0.568879	0.678	-5.85017	0.318509	0.316291	0.421314	0.52061	0.106501	0.657796	0.415731	0.253663	0.106501	1.239286	1.112482	1.094478	1.548989	1.428204	1.247156	1.286141	1.072305	1.058313
STON2	ENSG0000	-0.91626	0.572962	-6.00618	1.26E-05	0.000152	3.422527	0.318509	0.8079	0.679585	0.395333	0.512209	0.3528	0.106501	0.253663	0.256032	3.536933	3.633975	3.439082	3.513977	3.338827	3.478287	2.924322	2.726388	2.81313
EFCAB11	ENSG0000	-0.38562	2.315597	-3.46412	0.002868	0.010861	-1.83891	3.026682	3.273623	2.916938	2.325974	2.549605	2.763128	2.696258	2.596487	2.440135	2.664903	2.714733	2.806521	2.129525	2.016959	2.161508	2.539649	2.518186	2.570068
GPR65	ENSG0000	0.700323	0.747382	3.53265	0.002468	0.00959	-1.40897	6.101207	5.938276	5.929176	6.994936	6.844685	6.921604	6.640598	6.723961	6.714435	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PTGR2	ENSG0000	-0.22361	2.588667	-1.75414	0.096922	0.174498	-5.12461	3.19722	3.59862	2.865896	2.864145	2.686486	2.805104	2.858632	2.825515	3.124172	2.722179	2.969234	2.627101	2.638129	2.612083	2.449456	2.554269	2.741225	2.649309
JDP2	ENSG0000	-0.47965	3.98083	-0.97052	0.345027	0.466157	-6.41155	5.086148	5.018804	5.064177	3.633621	3.502343	3.608819	4.673889	4.819999	4.726452	3.471629	3.250939	3.38694	4.96664	4.982902	4.869998	2.968656	2.770449	2.830235
FBLN5	ENSG0000	0.716421	-0.28112	3.062566	0.006878	0.021645	-2.27925	2.19231	2.009193	1.987129	2.91067	2.762786	2.924168	2.724622	2.420731	2.530983	0.190076	0.259702	0.16959	0.234608	0.26996	0.263213	0.257084	0.358227	0.409347
CLBA1	ENSG0000	-0.31847	4.101748	-3.51405	0.00257	0.009916	-2.16347	3.87042	3.695626	3.773804	3.875646	3.867423	3.584921	2.981245	2.960209	3.271973	4.742042	4.672521	4.835713	5.308023	5.149657	5.171406	4.650836	4.596923	4.546811
WARS1	ENSG0000	0.240689	9.692313	0.869143	0.396548	0.51812	-7.2738	9.957326	9.98764	9.994676	10.94356	10.90129	10.96397	10.31659	10.29765	10.30682	9.324169	9.255266	9.34021	8.140326	8.213292	8.223016	9.385471	9.458465	9.491241
WDR20	ENSG0000	0.135489	5.178709	2.229304	0.039177	0.08553	-4.97466	5.086148	5.120143	5.006431	4.784753	4.662026	4.651187	5.342749	5.376512	5.412136	5.481405	5.407641	5.498474	5.22369	5.221337	5.243746	5.492503	5.469653	5.481066
NIPA2	ENSG0000	0.505482	6.285655	8.880149	6.84E-08	2.78E-06	8.24752	6.634125	6.720684	6.663402	7.249167	7.139968	7.231619	7.319577	7.293955	7.284701	5.376047	5.368161	5.36838	5.570287	5.579922	5.609485	5.697389	5.623718	5.806864
SLC12A6	ENSG0000	-0.19377	4.584613	-2.58218	0.019089	0.048483	-4.17409	4.158957	4.043996	3.906009	4.43289	4.186495	4.651187	4.000319	3.89093	3.924645	5.060666	5.160041	4.918395	5.682663	5.665014	5.568761	4.902958	4.762428	4.793504
MFAP1	ENSG0000	-0.05595	6.022125	-1.18763	0.250871	0.365241	-6.66382	6.040867	6.146502	6.019525	6.257092	5.952107	6.089965	5.985453	6.020078	5.895106	6.063762	6.056844	6.089887	6.020359	6.021175	5.996216	6.058246	6.057777	6.03792
TCF12	ENSG0000	0.352446	6.281098	4.224487	0.00054	0.002864	-0.90208	6.343004	6.368704	6.380882	7.314427	7.212045	7.294672	6.744671	6.834781	6.680109	5.658737	5.551865	5.558634	5.893872	5.981913	5.968021	5.908404	5.894824	5.84102
SORD	ENSG0000	-0.17656	5.977178	-2.71439	0.014471	0.03897	-4.13201	6.237793	6.228223	6.269099	5.890028	5.970993	5.97285	5.958837	6.087856	5.94552	5.933409	5.862677	5.988557	6.02147	6.111532	6.071023	5.841437	5.798808	5.824043
SERF2	ENSG0000	0.007144	8.256778	0.101647	0.920194	0.947469	-7.56088	8.505094	8.492218	8.483598	9.190548	9.302767	9.159824	8.563644	8.438796	8.568607	7.773556	7.662266	7.648536	7.968724	7.981539	7.948208	7.626721	7.714758	7.686675
ZSCAN29	ENSG0000	0.29101	5.607872	5.427671	4.11E-05	0.000382	1.760891	5.626225	5.523092	5.633581	5.768983	5.905185	5.926062	5.973684	5.954347	6.02321	5.215784	5.353339	5.276432	5.652873	5.568187	5.673739	5.515099	5.451724	5.453733
LYSMD2	ENSG0000	1.571004	3.054025	9.254082	3.75E-08	1.77E-06	9.005492	2.416107	2.308123	2.300736	4.640378	4.529983	4.440963	3.988671	3.761625	3.808383	2.282443	2.032826	2.16783	3.259174	3.436722	3.272365	3.39137	3.236163	3.31642
SLC27A2	ENSG0000	-0.07081	3.838298	-0.45352	0.655751	0.751941	-6.79441	3.975752	4.108838	3.783005	4.502891	4.447623	4.460795	3.507292	4.090149	3.708117	3.818776	4.024536	3.839044	3.629193	3.871689	3.478287	3.906321	3.948889	3.840032
GCNT3	ENSG0000	-0.99628	2.998536	-2.26427	0.036538	0.080999	-4.29583	4.232739	4.184325	3.88052	4.464421	4.537243	4.447604	3.388228	3.491964	3.162566	3.673879	3.470912	3.867863	1.392977	1.393161	1.355599	2.611312	2.518186	2.326628
BNIP2	ENSG0000	0.131398	6.021892	3.238314	0.004698	0.01603	-3.0057	6.667162	6.73559	6.758588	6.783082	6.675717	6.798429	6.780575	6.906053	6.921714	5.300492	5.27236	5.227237	5.280456	5.334185	5.310386	5.315009	5.394214	5.40033
GTF2A2	ENSG0000	0.181708	5.993766	4.282662	0.000476	0.00259	-0.76327	6.516856	6.484546	6.507006	6.250324	6.159196	6.250487	6.662755	6.717636	6.678454	5.565966	5.498975	5.542338	5.430131	5.451674	5.479705	5.690788	5.716735	5.726921
SRP14	ENSG0000	-0.11513	7.633537	-3.75596	0.001511	0.006497	-2.09	7.934882	7.943552	7.895687	7.912301	7.875627	7.876333	7.826798	7.743309	7.7929	7.425759	7.419097	7.404434	7.475971	7.532896	7.507743	7.319008	7.318815	7.335521
BAHD1	ENSG0000	0.305718	4.988356	4.299397	0.000459	0.002517	-0.56288	4.91334	4.783088	4.857612	5.479843	5.661235	5.363212	5.213624	5.093515	5.304656	4.779626	4.735932	4.601264	5.060393	4.991713	4.989822	5.02344	4.920695	4.865793
DISP2	ENSG0000	0.574723	1.593757	2.862683	0.010566	0.030389	-2.9051	1.681202	1.978677	1.888281	2.633943	2.299368	1.880533	2.102195	1.760835	1.727075	1.278001	1.672391	1.73919	2.542344	2.23054	2.465679	2.417026	2.233409	2.091498
CDAN1	ENSG0000	0.093945	4.688962	1.391178	0.181628	0.283406	-6.14466	4.97718	4.843609	5.064177	5.036268	5.029402	5.187896	5.257962	5.048863	5.269907	4.509673	4.479316	4.460144	4.34138	4.317159	4.333621	4.390642	4.49118	4.416967
TLE3	ENSG0000	-0.1778	6.558298	-1.84545	0.081984	0.153321	-5.81823	6.924614	6.943443	7.147653	6.352868	6.555743	6.347775	6.57201	6.438765	6.521134	6.644208	6.671194	6.75951	6.041316	6.006758	6.038856	6.824817	6.813152	6.736203
ANP32A	ENSG0000	0.199566	7.453704	2.739807	0.013715	0.037394	-4.24737	7.209304	7.214556	7.138722	7.474946	7.476546	7.490681	7.296144	7.29608	7.327573	7.559449	7.52351	7.572519	7.412201	7.431839	7.451324	7.811119	7.783564	7.850728
COMMD4	ENSG0000	-0.38312	5.900857	-5.59631	2.90E-05	0.000288	2.077621	6.374462	6.326918	6.322134	6.225234	6.327751	6.302701	5.97958	5.924449	6.004837	5.992802	5.821729	5.981981	5.583883	5.451674	5.414342	5.571885	5.51784	5.549799
UBE2Q2	ENSG0000	0.379146	5.560653	6.201284	8.54E-06	0.000114	3.393857	5.648453	5.644701	5.549817	6.305774	6.293865	6.213949	5.866398	5.868449	5.848765	4.748949	4.827642	4.765977	5.741807	5.672341	5.869343	5.231053	5.292118	5.299535
ETFA	ENSG0000	0.032924	6.707091	0.796832	0.43624	0.557452	-7.07915	7.837735	7.787251	7.726578	7.573125	7.616773	7.52012	7.872669	7.86349	7.857956	5.865123	5.795338	5.884278	5.50509	5.468605	5.433027	5.879669	5.764723	5.802537
HMG20A	ENSG0000	0.098788	6.142455	1.626727	0.121688	0.208418	-6.09523	5.823643	5.973524	5.878573	6.171319	6.059364	6.180453	6.054115	6.136086	6.02321	6.141927	6.134444	6.06625	6.65177	6.546751	6.645152	6.148935	6.127197	6.183125
SCAPER	ENSG0000	0.041754	3.460641	0.41675	0.681935	0.77187	-6.76098	2.996191	2.886707	2.883112	3.425084	3.643567	4.018682	3.219115	3.196885	3.00245	3.962373	3.799336	3.748962	4.287006	4.1851	4.155068	3.678389	3.903444	3.753014
TSPAN3	ENSG0000	0.029776	8.026743	0.430478	0.672109	0.763993	-7.46506	8.009293	8.022807	7.91098	8.648402	8.609371	8.619501	7.999957	8.062539	8.075414	7.797071	7.798251	7.787317	7.97447	7.970066	7.93516	7.740961	7.781771	7.842848
WDR61	ENSG0000	-0.19988	6.398401	-2.50033	0.022617	0.055473	-4.61625	6.405248	6.50744	6.432954	6.290462	6.123468	6.154304	6.210201	6.085402	6.222635	6.575937	6.47291	6.463992	6.798921	6.774022	6.843635	6.362324	6.318652	6.44842
NCOA2	ENSG0000	0.337942	5.515803	6.398155	5.80E-06	8.38E-05	3.751081	4.888652	4.817982	4.749122	5.633379	5.525471	5.556848	5.300979	5.188055	4.989319	5.546278	5.665936	5.426038	6.352354	6.326461	6.317744	5.812844	5.826899	5.973944
NEIL1	ENSG0000	-0.33122	1.127477	-1.68184	0.11038	0.192995	-4.92536	1.235614	1.551021	1.954926	1.634586	1.556428	1.422231	1.317361	1.15884	1.50602	1.940223	1.827525	1.696985	2.579013	2.381211	2.141451	1.482378	1.82352	1.504318
MAN2C1	ENSG0000	-0.232	6.170206	-3.38062	0.003443	0.012505	-2.74251	6.543459	6.451593	6.577441	6.504656	6.630615	6.65373	6.522384	6.322697	6.462714	5.998609	5.938407	5.837692	6.090826	6.093908	6.12947	5.428474	5.670976	5.590523
DNAJA4	ENSG0000	0.01754	1.846689	0.296925	0.770023	0.838554	-7.3253	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	7.798736	7.686543	7.646112	7.440292	7.352537	7.34736	7.689324	7.698695	7.763817
TLNRD1	ENSG0000	-0.26608	4.431379	-2.02086	0.058886	0.118029	-5.17779	4.749336	4.893538	5.049003	4.245952	4.462952	4.315882	4.034706	4.050434	4.252911	4.58494	4.655361	4.806238	4.135224	4.250194	4.21867	4.945171	4.79123	4.567359
TPM1	ENSG0000	0.053269	7.42954	0.540701	0.595538	0.699105	-7.35312	7.458197	7.420868	7.45521	7.96009	8.000368	8.024717	7.283092	7.178949	7.273781	6.786103	6.804824	6.763989	8.070148	8.100368	8.08904	7.030949	7.062409	7.132446
IGF1R	ENSG0000	-0.01799	7.224252	-0.31514	0.756383	0.829407	-7.42519	7.439197	7.472429	7.501928	8.159285	8.146368	8.257482	7.611118	7.522513	7.551148	6.674452	6.729752	6.522559	7.090012	6.962866	7.070738	6.539939	6.450892	6.527891
ARRDC4	ENSG0000	0.310416	4.569153	5.65707	2.56E-05	0.00026	2.296051	3.613482	3.61855	3.871922	3.688057	3.378481	3.643939	3.814892	3.84524	4.093134	5.538326	5.566627	5.542338	5.28231	5.265605	5.222422	5.908404	5.919494	5.780706
PIF1	ENSG0000	0.540271	0.750012	1.868728	0.078515	0.148255	-4.55381	1.959273	1.780637	1.78216	1.840866	1.768674	1.757653	2.513265	1.901414	2.471058	1.52331	1.112482	1.248523	0.562188	0.550009	0.404558	1.784732	1.613793	1.222783
USP3	ENSG0000	0.195842	6.002578	2.616995	0.017752	0.045764	-4.33516	5.887335	6.007931	5.808216	6.303597	6.142633	6.148201	6.059692	6.124179	6.114173	5.988432	5.995435	5.960958	5.775111	5.796551	5.857096	6.175184	6.095794	6.224144
BBS4	ENSG0000	-0.02061	4.603984	-0.16602	0.870048	0.912409	-6.99771	5.5935	5.718121	5.607923	5.338099	5.235346	5.425089	5.590171	5.581992	5.504708	3.614613	3.66174	3.691009	4.114557	4.230476	4.046009	3.737235	3.822043	3.650813
PML	ENSG0000	-0.17457	5.91547	-2.09227	0.051297	0.105811	-5.33879	5.509634	5.471972	5.571218	5.312338	5.248674	5.219282	5.043928	4.80814	4.825493	6.598099	6.574087	6.643465	6.748839	6.671727	6.739905	6.683176	6.671231	6.638841
CYP1A1	ENSG0000	-0.09249	4.766496	-0.33318	0.742965	0.819107	-7.23257	3.783815	3.676739	3.668523	2.740812	2.549605	2.719893	2.752438	2.938616	3.044176	5.747627	5.9054	6.131084	8.048793	7.988893	8.041128	6.205603	5.891503	5.872323
LINS1	ENSG0000	0.115318	3.570327	1.010188	0.326187	0.446118	-6.38875	3.509372	3.461896	3.371944	3.342644	3.170134	3.510758	3.747379	4.299455	3.586306	3.772076	3.997554	3.990867	3.675081	3.652127	3.837423	3.70484	3.93605	3.906054
ULK3	ENSG0000	-0.12733	5.563799	-2.64941	0.016588	0.043376	-4.20945	5.220808	5.275715	5.356903	5.444703	5.507103	5.596232	5.233498	5.246342	4.973208	5.823198	5.818649	5.81197	6.17108	6.059398	6.081589	5.62652	5.791698	5.685225
PCSK6	ENSG0000	0.00095	0.108543	0.002948	0.997681	0.998312	-5.96518	4.574623	4.538284	4.616447	4.869634	5.003429	4.97456	4.56045	4.547856	4.512744	0.190076	0.106501	0.106501	0.106501	0.106501	0.186984	0.257084	0.106501	0.106501
SCAMP2	ENSG0000	-0.01034	7.310757	-0.31147	0.759127	0.831583	-7.47425	6.981173	6.927553	6.947395	7.137458	7.219961	7.211275	7.052205	6.880799	6.945304	7.585245	7.50782	7.584506	7.75835	7.703063	7.719151	7.563988	7.520416	7.520109
HAPLN3	ENSG0000	-0.14614	1.608215	-0.77789	0.447038	0.567691	-6.02103	2.392887	2.009193	1.954926	2.633943	2.03796	2.5075	1.816207	1.85606	1.826075	1.787595	1.8028	2.243088	1.711947	2.016959	2.121111	1.85727	2.146913	1.942153
RHCG	ENSG0000	0.183982	-0.9305	0.810571	0.428512	0.550185	-5.5901	3.071243	2.886707	2.865896	3.376187	3.378481	3.432575	3.158032	3.043491	3.254305	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
POLG	ENSG0000	-0.14941	5.817362	-2.23348	0.038853	0.084929	-5.07064	5.655787	5.480165	5.690917	5.342348	5.367468	5.411567	5.32896	5.224202	5.18386	6.423477	6.427133	6.370587	6.115998	6.050991	5.989218	6.465512	6.370866	6.308955
FANCI	ENSG0000	-0.33721	5.773969	-1.66008	0.114731	0.198677	-6.05795	6.216459	6.265041	6.110041	5.190356	5.221894	5.089421	5.937792	5.813157	6.046494	6.953903	6.939221	6.982326	4.076593	4.10073	3.957004	6.51119	6.570985	6.576851
ABHD2	ENSG0000	0.150378	7.413521	2.209901	0.040716	0.088281	-5.2491	6.353566	6.343478	6.406409	7.686095	7.735131	7.847748	6.817254	6.788756	6.800647	7.509993	7.619547	7.509903	8.576012	8.561372	8.602621	7.486542	7.439147	7.535183
TICRR	ENSG0000	-0.11357	3.796558	-0.44444	0.662178	0.756752	-6.97162	3.87042	3.952741	4.003689	3.342644	3.574682	3.485165	3.814892	3.913244	3.924645	5.1881	5.22894	5.076957	1.99126	2.169719	2.294605	5.010245	4.987552	4.98132
DET1	ENSG0000	-0.04662	2.638689	-0.46028	0.650988	0.747487	-6.42885	3.613482	3.61855	3.371944	3.441022	3.278066	3.472196	3.370387	3.659726	3.543305	2.510897	2.212518	2.473063	2.209661	2.148862	2.07955	2.417026	2.315011	2.174206
MFGE8	ENSG0000	0.389989	6.333494	1.473159	0.158489	0.255389	-6.31812	5.53637	5.627592	5.571218	7.506528	7.537544	7.369145	5.760796	5.740142	5.703339	6.162765	6.222136	6.137016	6.482252	6.441343	6.427415	6.70954	6.730057	6.69944
ZNF710	ENSG0000	0.055943	4.647425	0.831494	0.416911	0.538795	-6.86032	4.02189	4.051346	3.955676	3.688057	4.030628	3.954853	3.788265	3.711575	3.721038	5.520274	5.407641	5.478369	5.650003	5.538426	5.483693	5.687476	5.684473	5.513196
UNC45A	ENSG0000	0.293035	6.261341	4.055608	0.000782	0.003835	-1.31068	5.468578	5.562207	5.538996	6.430757	6.679002	6.433907	5.900984	6.025209	5.959217	6.337886	6.315766	6.357099	6.856686	6.823395	6.832732	6.533497	6.570985	6.44148
MCTP2	ENSG0000	-0.1126	2.692601	-0.7875	0.441538	0.562355	-6.68506	1.286899	1.277811	0.898566	2.063099	1.768674	1.757653	1.525136	1.082132	0.833554	5.09088	5.054034	5.037335	4.467344	4.385617	4.595601	4.862412	5.006099	4.96205
FURIN	ENSG0000	0.465276	8.135015	1.389916	0.182005	0.283901	-6.60293	7.028082	7.163748	7.115238	9.243478	9.3612	9.32108	8.423064	8.273988	8.413083	8.276085	8.253963	8.375589	7.805854	7.749696	7.727164	8.072429	7.998338	7.934184

IQGAP1	ENSG0000	0.561579	7.840096	6.021485	1.22E-05	0.000149	2.773462	7.449783	7.431469	7.465961	8.406069	8.291337	8.421635	8.150627	8.239082	8.206376	7.505412	7.539031	7.454376	7.675056	7.688684	7.694412	7.878022	7.859473	7.885408
CRTC3	ENSG0000	1.074735	5.849619	9.264398	3.69E-08	1.75E-06	8.945157	5.987614	5.996553	5.939499	7.400488	7.294681	7.401144	7.199673	7.077629	7.243878	4.58494	4.490971	4.369004	5.094564	4.985845	4.970056	5.249139	5.271824	5.332922
EFL1	ENSG0000	-0.01276	4.206086	-0.19923	0.844386	0.894702	-6.98498	4.212988	4.164126	4.16017	4.440838	4.416469	4.537503	4.245129	4.428995	4.279358	4.151473	4.228596	4.260892	4.404034	4.51757	4.398437	4.01601	4.227036	4.044405
SEC11A	ENSG0000	0.277687	7.207844	8.148304	2.33E-07	6.74E-06	6.873207	6.625435	6.682141	6.650893	7.12024	7.132797	7.206388	6.868994	6.948536	6.914701	7.269426	7.31803	7.322655	7.698159	7.716858	7.674485	7.550379	7.587634	7.640148
GLYR1	ENSG0000	-0.07725	7.452384	-1.82669	0.084876	0.157135	-5.90858	7.762168	7.738565	7.768869	7.884161	7.869888	7.875102	7.832511	7.761871	7.779838	7.263409	7.171822	7.208528	7.117797	7.077673	7.109972	7.001911	7.025007	7.0518
PMM2	ENSG0000	-0.09083	6.189128	-2.1519	0.045654	0.096448	-5.22779	6.600314	6.549574	6.456147	6.396431	6.350594	6.386308	6.371361	6.401762	6.367315	5.928855	6.065964	6.0621	5.97522	5.984858	5.893528	5.968311	5.940538	6.076062
TGFB1I1	ENSG0000	1.177766	1.15234	5.657637	2.56E-05	0.00026	2.764178	0.814199	1.002471	1.202741	2.143217	2.264801	1.526279	1.317361	2.184314	2.005764	1.490718	1.265082	1.360915	2.129525	2.21055	2.330481	2.034568	2.274787	1.877799
RUSF1	ENSG0000	0.017538	6.809867	0.241155	0.812241	0.871075	-7.42185	7.074426	7.123343	7.188041	7.218288	7.149473	7.12897	7.260265	7.226503	7.250577	6.415903	6.368317	6.337486	6.79438	6.724662	6.68813	6.288825	6.344388	6.243427
ARMC5	ENSG0000	-0.03227	4.507749	-0.30247	0.765865	0.835767	-7.00936	5.367978	5.413282	5.528093	4.797189	4.831037	4.518705	5.213624	5.224202	5.252213	3.864012	3.901847	4.246333	3.830164	3.927863	3.910354	4.226905	4.288934	4.058989
PARN	ENSG0000	0.11622	5.821794	1.593173	0.129044	0.217719	-6.07817	5.999192	5.996553	6.021469	6.090264	6.005424	6.121455	6.153955	6.173542	6.276143	5.411303	5.444072	5.52284	5.892659	5.806573	5.858632	5.616106	5.426702	5.45649
FTO	ENSG0000	-0.25899	5.553607	-5.03544	9.38E-05	0.00072	0.958023	5.946343	6.022963	6.031155	6.279424	6.071915	6.25428	5.712047	5.595854	5.690258	5.190639	5.226618	5.225382	5.361625	5.366162	5.441254	5.031299	4.978189	5.130317
UQCRC2	ENSG0000	-0.20023	6.908204	-1.84512	0.082033	0.153374	-5.76035	8.411073	8.420237	8.36607	7.989512	7.990485	8.006842	8.21452	8.262628	8.25882	5.671517	5.631248	5.647191	5.859507	5.90936	5.882997	5.255863	5.467424	5.425873
CDR2	ENSG0000	0.002589	5.150888	0.045193	0.964465	0.976783	-7.19532	4.996565	5.033724	5.187095	5.687824	5.694082	5.590242	5.104539	5.276779	5.202407	5.052315	4.818421	4.947938	5.484298	5.434541	5.435088	4.811595	4.833383	4.886383
ARHGAP17	ENSG0000	0.423746	5.914775	1.698463	0.107151	0.188716	-5.86392	5.862195	5.922329	5.778624	7.774441	7.722449	7.754419	6.695365	6.478589	6.603683	5.200749	5.077414	5.191584	5.192476	5.173088	5.217641	5.144327	5.098298	5.109451
DHX38	ENSG0000	-0.12711	6.486253	-2.83853	0.011124	0.031637	-3.96326	6.341489	6.279197	6.323711	6.095309	6.142633	6.081451	6.239981	6.288964	6.218085	6.910671	6.834859	6.826497	6.870927	6.78251	6.754835	6.753756	6.656631	6.654531
TXNL4B	ENSG0000	0.064513	4.736366	0.852672	0.405375	0.527043	-6.83003	4.339825	4.281283	4.370098	4.041626	4.204846	4.162865	4.825625	4.547856	4.578115	5.233128	5.181778	5.317056	5.160571	5.221337	5.267074	5.139487	5.248648	5.171166
MARVELD3	ENSG0000	-0.1726	0.663026	-1.11265	0.280927	0.398209	-6.25689	0.587539	0.316291	0.106501	0.258133	0.25478	0.106501	0.269385	0.106501	0.515351	4.290508	4.214605	4.331562	4.072312	4.250194	4.189664	4.147172	4.156841	3.992166
ZFHX3	ENSG0000	-0.3819	5.514628	-3.52872	0.002489	0.009654	-2.32277	5.729467	5.860909	5.914599	6.105344	6.149755	6.258063	5.374422	5.327507	5.202407	5.524305	5.601093	5.162801	5.372111	5.32724	5.422676	5.235596	5.238226	5.055925
CPNE2	ENSG0000	0.046648	5.253407	0.687399	0.500852	0.617631	-6.94471	5.45743	5.538865	5.429007	6.100335	6.137866	6.096318	5.67619	5.564476	5.751363	4.877414	4.722812	4.755733	5.121745	5.043483	5.034009	4.691084	4.736746	4.567359
NLRC5	ENSG0000	-0.05978	5.334696	-0.57077	0.575419	0.683202	-7.10927	5.288426	5.188404	5.267957	5.400559	5.450555	5.541409	5.147073	5.25073	5.278673	5.710958	5.599299	5.620625	5.09878	5.098907	5.110805	5.48107	5.611658	5.542033
KATNB1	ENSG0000	-0.00508	5.027791	-0.04582	0.963977	0.976609	-7.20064	4.789897	4.796272	4.835673	5.375899	5.57921	5.246196	4.487843	4.562048	4.72003	5.136363	5.016893	5.204822	5.401413	5.13912	5.31263	5.151556	5.384796	5.187851
KIFC3	ENSG0000	0.191379	7.497156	2.128998	0.047751	0.099987	-5.3595	9.061851	9.01254	9.102913	8.206668	8.466486	8.206514	9.195215	9.157221	9.216062	6.093911	6.135682	6.194078	6.02701	5.910909	5.950836	6.556373	6.393349	6.282789
NUDT7	ENSG0000	-1.1116	-0.15507	-3.98086	0.000921	0.004379	-0.53364	2.080492	2.232543	2.326135	1.578054	1.612488	1.669505	1.525136	1.430416	1.50602	0.483018	0.695454	0.639567	0.352262	0.671977	0.812339	0.457048	0.2791	0.214669
GCSH	ENSG0000	-0.34138	1.728638	-1.96374	0.06567	0.12864	-4.59238	2.19231	2.206444	2.492412	2.021307	2.229385	1.840725	1.588238	1.809233	2.202855	1.891119	2.285719	2.183199	2.385571	2.533802	2.544166	2.211015	1.878239	1.81044
CMTM3	ENSG0000	0.138186	5.188149	0.792494	0.438698	0.55994	-6.86142	5.836608	5.745568	5.731878	5.521661	5.687572	5.494077	5.578564	5.599299	5.574002	4.323269	4.242453	4.338442	5.372111	5.399654	5.386919	4.758922	4.894388	4.684858
CDH11	ENSG0000	0.826095	4.080366	9.11787	4.66E-08	2.05E-06	8.77976	2.345296	2.534795	2.274882	3.162124	3.48743	3.391835	3.539581	3.160038	3.373665	4.652797	4.623947	4.640764	6.142782	6.15271	6.080272	5.498185	5.326959	5.29338
NOL3	ENSG0000	0.471594	5.541168	3.687026	0.001758	0.007304	-1.95356	5.443372	5.474709	5.767078	6.659117	6.877943	6.729256	5.949855	5.943547	5.970082	4.634266	4.739193	4.768526	5.229468	5.236244	5.257788	5.323569	5.292118	5.073988
MAP1LC3B	ENSG0000	0.959567	6.279325	14.12197	5.40E-11	1.28E-08	15.4981	6.040867	5.981241	5.95179	7.106565	7.018142	7.088114	7.145632	7.206314	7.118871	5.373815	5.409689	5.396673	6.038027	6.144832	6.077636	6.13076	6.066639	6.109724
MBTPS1	ENSG0000	0.188393	7.303488	3.777699	0.00144	0.006244	-2.01946	6.75173	6.753726	6.758588	7.629847	7.658146	7.628568	7.052205	7.04516	7.048858	7.265819	7.294945	7.251537	7.786387	7.795707	7.814864	7.367415	7.348187	7.385557
CDH13	ENSG0000	1.581384	1.69338	3.705628	0.001687	0.007071	-1.07051	6.679208	6.720684	6.624265	9.224612	9.21326	9.287233	8.225106	8.237978	8.36964	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
ZCCHC14	ENSG0000	0.565334	5.243533	6.738207	3.00E-06	5.06E-05	4.444338	4.051848	4.087546	4.222364	5.097883	5.124043	5.122998	5.071794	5.122533	5.087374	5.544294	5.5776	5.430875	5.994577	6.012542	6.067042	5.894108	5.842463	5.806864
MEAK7	ENSG0000	-0.05587	5.637618	-0.42909	0.673102	0.764452	-7.26727	5.272612	5.164879	5.116065	4.765896	4.825118	4.67402	4.274204	4.61746	4.296723	6.311303	6.303701	6.331464	6.904423	6.786736	6.766341	6.58869	6.553228	6.576851
OSGIN1	ENSG0000	-0.02675	6.37678	-0.22054	0.828009	0.882466	-7.31316	8.496609	8.448696	8.570847	6.665914	6.957206	6.679347	8.593748	8.49628	8.565029	5.242946	5.152722	5.378429	4.386902	4.190213	4.199397	5.191852	5.015283	5.11295
RHOT2	ENSG0000	-0.05191	6.537255	-0.72038	0.480815	0.599828	-7.18967	6.471859	6.483188	6.556133	5.966346	6.239272	6.002468	6.375839	6.357695	6.423728	6.668089	6.786024	6.89285	6.849825	6.731693	6.797917	6.800495	6.867414	6.692441
ZSCAN32	ENSG0000	-0.04893	5.003327	-0.699	0.493752	0.610938	-6.95767	5.32262	5.201677	5.1197	4.714371	4.900234	5.059385	5.055139	5.169636	5.087374	5.024124	4.981528	5.064562	4.929259	5.05754	5.105638	4.919992	5.140881	5.033946
RPS2	ENSG0000	-0.10844	10.44598	-3.3848	0.003412	0.012416	-3.07749	10.8917	10.89271	10.91084	10.54596	10.61177	10.49457	10.78873	10.68855	10.75678	10.32851	10.24614	10.20984	9.998807	10.04712	10.0433	10.1853	10.22856	10.17816
NDUFB10	ENSG0000	0.11193	6.420559	1.808318	0.087795	0.161181	-5.82555	6.755148	6.802456	6.840189	7.036177	7.090245	6.910831	6.900414	6.79177	6.916106	5.946988	5.873106	6.025264	5.842013	5.915547	5.960886	6.164504	6.127197	6.000631
PDPK1	ENSG0000	0.139161	6.23821	2.19908	0.041598	0.089811	-5.1698	5.966143	5.926333	5.947704	6.025677	6.23258	6.172458	6.391403	6.310139	6.21352	6.43637	6.401631	6.481191	6.296566	6.33341	6.291819	6.473226	6.351658	6.391939
TIGD7	ENSG0000	-0.09995	3.553334	-1.58366	0.131197	0.220514	-5.91442	1.861169	2.152784	1.706811	2.103714	2.366112	2.317553	1.966276	1.901414	1.826075	5.554185	5.624209	5.51223	5.730985	5.589628	5.51326	5.406484	5.482955	5.472921
DEF8	ENSG0000	0.233442	5.805187	5.214426	6.42E-05	0.000533	1.269088	5.611213	5.620197	5.75544	5.960829	6.013255	5.835287	6.020192	5.932665	5.970082	5.627223	5.68973	5.704234	5.957922	5.844361	5.912885	5.799099	5.851038	5.866117
TCF25	ENSG0000	0.106117	6.476374	2.406161	0.027435	0.064555	-4.78978	6.143557	6.146502	6.174385	6.790876	6.887915	6.766914	6.337326	6.284691	6.466555	6.287782	6.329896	6.37394	6.935392	6.947096	6.955561	6.428296	6.339522	6.284342
GALNS	ENSG0000	0.149098	4.983171	1.488567	0.154423	0.250079	-6.06026	5.011887	4.889442	5.064177	5.704425	5.766907	5.674746	4.751751	4.860754	4.940438	4.513734	4.595438	4.606974	5.22369	5.076992	5.074241	5.015537	4.971913	4.815144
GAS8	ENSG0000	-0.00734	5.405254	-0.16832	0.868262	0.91132	-7.23867	5.446195	5.523092	5.458019	5.775282	5.794432	5.814886	5.32896	5.495903	5.50844	5.233128	5.21963	5.087205	5.601813	5.550404	5.528785	5.153958	5.240838	5.167806
MED9	ENSG0000	-0.15369	4.350218	-2.52014	0.02171	0.05361	-4.2066	4.772011	4.719916	4.749122	4.591236	4.58706	4.48682	4.437325	4.413424	4.482711	4.364327	4.190981	4.382382	4.245787	4.174819	4.124741	4.285035	4.338561	4.255399
NCOR1	ENSG0000	0.362731	7.074364	6.125705	9.92E-06	0.000127	3.044899	6.949694	6.8891	6.960633	7.516904	7.440219	7.538123	7.483113	7.510671	7.477869	6.770066	6.765378	6.625998	7.014493	6.947851	6.988215	6.893979	6.918892	6.850646
COPS3	ENSG0000	-0.04198	6.804764	-1.03348	0.315469	0.435137	-6.9434	6.831615	6.837953	6.839086	6.371699	6.467301	6.358386	6.758454	6.868004	6.927299	7.223676	7.091164	7.165166	6.559977	6.608206	6.609092	7.072803	6.992822	7.146171
GID4	ENSG0000	0.246948	3.653616	2.862073	0.01058	0.030417	-3.36626	3.643304	3.741788	3.576275	3.875646	3.820593	3.907468	3.457463	4.090149	3.946814	3.544892	3.66174	3.445469	3.865227	3.846002	4.007743	3.842237	3.72088	3.840032
ZNF287	ENSG0000	-0.11531	2.048863	-0.71935	0.481433	0.600337	-6.18485	2.245129	2.332462	2.5366	2.325974	2.490996	2.652511	1.459147	2.029503	2.127218	2.121457	2.267764	2.328504	2.930712	2.863205	2.95373	2.384669	2.568968	2.252429
MYOCD	ENSG0000	-0.12016	-1.82933	-0.49674	0.625565	0.725268	-5.70446	1.791852	1.883052	1.818408	2.021307	1.817192	2.481849	1.459147	1.809233	1.620777	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
KSR1	ENSG0000	-0.26491	4.800362	-1.98794	0.062715	0.124045	-5.25419	5.071598	5.099019	5.183625	5.355021	5.407631	5.657664	4.702691	4.610649	4.613192	4.663802	4.732663	4.796278	4.457531	4.54975	4.512148	4.736662	4.617172	4.61255
UTP4	ENSG0000	0.181989	6.693242	5.705449	2.32E-05	0.000242	2.183681	6.165988	6.187107	6.196933	6.254839	6.245934	6.297196	6.460489	6.322697	6.357005	7.096779	7.116466	7.064503	7.061142	7.080429	7.061428	7.284349	7.253693	7.241155
RANBP10	ENSG0000	-0.05378	5.596746	-1.14864	0.266184	0.382586	-6.62518	5.922218	5.902145	5.914599	5.743505	5.882565	5.887507	5.872748	5.819078	5.857568	5.44359	5.305739	5.422805	5.479457	5.334185	5.455539	5.255863	5.438129	5.362617
GFOD2	ENSG0000	0.022847	5.271735	0.506931	0.618539	0.71923	-7.12349	5.111261	5.198371	5.176661	5.147291	5.338674	5.30589	5.267633	5.206241	5.174497	5.321493	5.305739	5.334367	5.568769	5.560311	5.587414	5.315009	5.309644	5.350812
NOB1	ENSG0000	-0.29935	6.946165	-5.00639	9.97E-05	0.000756	0.680233	7.272689	7.276237	7.281079	6.456466	6.562874	6.508848	6.848198	6.831855	6.760534	7.224915	7.154216	7.280406	6.869695	6.859948	6.861371	7.054279	7.031811	7.115977
PRPSAP2	ENSG0000	0.043326	5.578636	0.965966	0.347238	0.468388	-6.85485	5.468578	5.620197	5.549817	5.342348	5.171467	5.359696	5.672555	5.653324	5.690258	5.795112	5.914084	5.821823	5.498724	5.524325	5.420597	5.832469	5.777374	5.864042
PCTP	ENSG0000	-0.10873	5.257643	-0.964	0.348195	0.469457	-6.75059	5.214199	5.140963	5.144898	5.92161	5.751385	5.921298	5.272444	5.192623	5.188519	5.274401	5.26106	5.359952	5.219825	5.173088	5.141424	5.031299	5.048468	5.084719
TOM1L1	ENSG0000	0.041572	5.629054	0.463008	0.649071	0.745843	-7.16341	6.289001	6.233079	6.162096	6.075025	6.156841	5.951983	6.153955	6.157275	6.036192	4.983707	4.96212	4.956908	5.387698	5.366162	5.483693	5.14915	5.179522	5.21089
C17orf80	ENSG0000	0.108284	5.494549	1.89192	0.075189	0.143094	-5.60532	5.187459	5.269425	5.16615	5.190356	5.128856	5.106307	5.37889	5.356295	5.416114	5.800109	5.667648	5.722758	5.96602	5.871668	5.890527	5.745959	5.879817	5.758539
TOB1	ENSG0000	1.356663	6.510168	13.0406	1.94E-10	3.25E-08	14.23849	7.282987	7.384229	7.438567	8.789682	8.615814	8.669712	8.970518	8.864094	8.980161	4.227618	4.260723	4.171248	5.014278	5.071461	4.952895	5.046891	5.057388	4.965925
VPS53	ENSG0000	0.005814	5.741252	0.112768	0.911499	0.94151	-7.26608	6.518198	6.544374	6.58929	6.500859	6.362903	6.516764	6.548402	6.656119	6.634741	5.006941	5.043519	4.996595	5.066862	5.009177	5.084783	4.925625	4.984438	4.926702
SGSM2	ENSG0000	0.500858	5.824031	4.486303	0.000305	0.001819	-0.27524	5.282121	5.127117	5.281005	6.6194	6.670775	6.58612	6.146113	6.068104	6.176476	5.378276	5.459973	5.46271	6.138693	6.087072	6.140881	5.448178	5.631703	5.625238
NPEPPS	ENSG0000	-0.33016	7.610742	-5.14481	7.44E-05	0.000601	0.938005	7.554203	7.587496	7.571279	7.757836	7.699176	7.736905	6.926594	7.019677	7.053973	7.774402	7.791198	7.798587	7.937294	7.977479	7.971473	7.665534	7.653331	7.657023
LRRC46	ENSG0000	0.193448	0.896819	0.890959	0.385052	0.506952	-5.75326	1.286899	1.591918	1.358564	2.021307	1.909591	2.029614	1.588238	1.001115	2.202855	1.028404	1.335727	1.387696	1.858352	1.622273	1.775589	1.320757	1.329561	1.370407
SCRN2	ENSG0000	-0.08965	4.716976	-0.49437	0.627202	0.726693	-6.93283	5.479641	5.493717	5.503257	5.222985	5.190008	5.155812	5.444307	5.462247	5.37991	3.844798	3.866492	4.147939	4.761267	4.756906	4.688381	3.678389	3.992947	3.961444
SSH2	ENSG0000	0.010106	4.811097	0.122363	0.904008	0.93642	-7.14915	4.712298	4.835117	4.808898	5.062262	4.860273	5.230878	5.055139	5.043815	4.967798	4.886838	4.995233	4.803754	4.715338	4.682664	4.735974	4.736662	4.695442	4.7174
RHBDL3	ENSG0000	-0.1042	-1.74393	-0.51158	0.61535	0.716516	-5.7055	1.927307	1.81559	2.109199	2.21912	2.155834	2.258349	1.917967	1.710758	1.674905	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ARSG	ENSG0000	0.013174	3.274322	0.069326	0.945518	0.964547	-6.68988	3.397161	3.732673	3.745844	4.472198	4.335505	4.351728	3.690999	3.978187	4.073118	3.196464	3.096753	3.125724	2.862939	2.850343	2.559363	2.75746	2.755911	2.84714
ABCA8	ENSG0000	-0.01339	0.534445	-0.05757	0.954747	0.970834	-5.9842	5.85584	5.860909	5.83279	5.608898	5.586227	5.746517	5.814563	5.845426	5.751363	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.183756	0.106501	0.106501
G6PC3	ENSG0000	-0.33656	6.612295	-6.4849	4.89E-06	7.32E-05	3.834543	7.417788	7.438494	7.378378	7.456444	7.406923	7.329246	7.131137	7.042632	7.213341	6.212331	6.064665	6.22225	5.920311	5.914003	5.854018	5.77121	5.804117	5.751822
CLTC	ENSG0000	0.491534	9.603928	7.732457	4.82E-07	1.22E-05	5.990098	8.995237	9.062048	9.100385	9.79763	9.667539	9.843155	9.740214	9.715419	9.741618	9.502184	9.567685	9.364007	9.782493	9.80771	9.82607	9.778361	9.746562	9.867586
BCAS3	ENSG0000	0.260252	5.424377	4.793106	0.000157	0.001083	0.46181	5.628712	5.430295	5.544416	6.257092	6.149755	6.131801	5.827697	5.978357	5.920533	4.845549	4.790397	4.87173	5.318904	5.347976	5.367623	4.945171	4.987552	4.950363
PTRH2	ENSG0000	-0.22267	6.28572	-3.93805	0.001012	0.00473	-1.59081	6.223057	6.24755	6.224209	5.765822	5.87399	5.842864	5.764215	5.891111	6.007476	6.662613	6.728111	6.660037	6.675951	6.597663	6.670742	6.557281	6.53525	6.566681
SS18	ENSG0000	0.061646	6.247434	1.842586	0.082419	0.153873	-5.7526	6.553964	6.559918	6.529047	6.672679	6.642445	6.663747	6.558286	6.586665	6.566582	5.837849	5.868645	5.860576	6.0834	5.970071	6.007341	6.007353	5.935709	5.911023
TAF4B	ENSG0000	-0.29652	3.48468	-3.68064	0.001783	0.007379	-1.66463	3.662849	3.608619	3.678418	3.103249	3.170134	3.247073	3.405851	3.002451	3.104585	3.907872	3.981119	4.12026	3.778549	3.921728	3.87435	3.900611	3.863317	3.753014
AFG3L2	ENSG0000	0.059433	7.022515	1.757972	0.096251	0.173514	-6.00372	6.653793	6.671448	6.612701	6.8048	6.806141	6.79192	6.825462	6.785736	6.712819	7.255549	7.307083	7.357365	7.35035	7.394672	7.34736	7.339727	7.275516	7.322736
PRELID3A	ENSG0000	0.112732	2.138131	0.880748	0.390405	0.512042	-6.09082	2.505419	2.448351	2.514675	2.791417	2.333126	2.557474	2.376953	2.916694	2.239236	2.282443	2.355385	2.485514	2.162115	2.190279	2.330481	2.583072	2.552239	2.397196
IMPA2	ENSG0000	0.352796	6.456043	1.434185	0.169169	0.268316	-6.39575	5.135946	5.178369	5.090354	7.236666	7.414827	7.354201	5.946849	5.965067	5.94552	6.71822	6.666063	6.824048	6.97319	6.941801	6.916261	6.801262	6.764961	6.685409
GNAL	ENSG0000	-0.0319	2.623115	-0.2912	0.774328	0.841889	-6.40271	3.792713	3.846899	3.906009	4.263984	4.43213	4.178918	3.632324	3.856799	3.808383	1.814181	1.875739	1.631268	2.027088	2.127698	1.851631	1.809319	1.82352	1.844513
SLC39A6	ENSG0000	1.109587	6.689252	11.19395	2.13E-09	1.93E-07	11.7472	5.717835	5.750092	5.796906	7.421727	7.286089	7.344449	7.232141	7.186984	7.149063	6.099326	6.110718	6.069355	6.97319	6.946341	6.922151	6.880265	6.91399	6.888904
RPRD1A	ENSG0000	-0.07002	6.270737	-1.38931	0.182185	0.283923	-6.44463	6.523553	6.596806	6.556133	6.263828	6.191762	6.3759	6.595237	6.672564	6.462714	6.194733	6.273652	6.205413	6.02258	6.078825	5.975122	6.037584	6.117279	6.079643
C18orf21	ENSG0000	-0.21997	3.507055	-2.48937	0.023134	0.056516	-4.05535	4.081197	3.936954	4.02711	3.54791	3.560502	3.868406	3.965091	3.809996	3.668646	3.376719	3.539861	3.608031	3.5452	3.520297	3.412858	3.307556	3.356678	3.291935
GALNT1	ENSG0000	0.350337	6.302838	5.643934	2.63E-05	0.000265	2.147477	6.35807	6.337478	6.353352	7.117763	7.117138	7.145403	6.894185	6.873704	6.796075	5.730282	5.674479	5.656856	6.024796	6.0857	6.064381	5.824952	5.854454	5.902962
GAREM1	ENSG0000	-0.07096	3.774862	-0.92318	0.368482	0.490219	-6.45348	3.672523	3.714268	3.726899	4.375995	4.158524	4.138446	3.571163	3.633086	3.453254	3.914031	3.735447	3.834184	4.234338	4.122289	4.165038	3.7814	3.967936	3.669942
ESCO1	ENSG0000	0.121595	4.530271	1.826498	0.084906	0.157135	-5.49523	4.610293	4.564207	4.631806	4.733909	4.544465	4.598452	4.792514	4.955186	4.626988	4.443094	4.606195	4.32811	4.521727	4.596713	4.580783	4.438712	4.568087	4.546811
OSBPL1A	ENSG0000	-0.37371	4.379287	-3.93466	0.00102	0.00476	-1.20951	5.379837	5.221361	5.356903	4.845887	4.758354	4.809079	4.857993	4.734864	4.633836	3.93235	4.029873	3.95997	3.983922	3.993677	4.046009	3.854102	3.890192	3.889829
GATA6	ENSG0000	-0.39444	3.308664	-2.76686	0.012953	0.035802	-3.58216	3.476616	3.450822	3.454879	2.548252	2.549605	2.581827	2.513265	2.451551	2.892531	3.968304	4.051023	4.186581	4.260913	4.132949	4.27499	4.031767	3.88352	3.734962
GREB1L	ENSG0000	-1.49523	2.825573	-6.77511	2.80E-06	4.84E-05	4.872528	4.871956	4.80064	4.933939	3.441022	3.48743	3.666886	3.115825	3.250449	2.723053	3.047564	2.980302	3.077191	1.711947	1.591687	1.390007	2.479639	2.500854	2.350536
RMC1	ENSG0000	-0.22677	4.435142	-3.63661	0.001964	0.007988	-1.83158	5.485141	5.433112	5.41428	5.299283	5.166794	5.234723	5.315037	5.298133	5.146036	3.75845	3.793073	3.877343	3.757374	3.759216	3.837423	3.617041	3.529023	3.530388
PELP1	ENSG0000	0.158923	7.234233	1.545182	0.140216	0.232078	-6.29904	7.764997	7.716773	7.803755	8.17426	8.19365	8.203574	8.151281	8.090346	8.194266	6.600965	6.498155	6.712618	6.365533	6.216746	6.24559	6.539939	6.469946	6.481278
NPC1	ENSG0000	-0.56357	5.903582	-11.4976	1.41E-09	1.44E-07	12.20893	6.576037	6.532605	6.550756	5.768983	5.8095	5.860389	6.257073	5.983638	6.017985	6.214827	6.160221	6.14194	5.404821	5.32724	5.507395	5.55381	5.54346	5.515842
ARRB2	ENSG0000	0.313619	5.149284	2.21114	0.040616	0.088158	-4.82636	5.93634	5.904176	5.988045	6.772099	6.834408	6.727893	6.44139	6.499019	6.39781	4.071084	4.061483	4.194187	3.997531	3.915568	3.933868	4.103106	3.923096	4.014786
WRAP53	ENSG0000	-0.08645	3.969502	-1.26889	0.221121	0.330822	-6.22646	4.12413	4.12982	4.208773	3.57705	3.394558	3.445903	3.941119	4.307901	3.935772	4.395472	4.386688	4.506699	3.988472	3.78648	3.928025	4.240529	4.377068	4.483349
MINK1	ENSG0000	0.157803	6.480313	2.865654	0.010499	0.030216	-3.8794	6.668371	6.599315	6.755086	6.692786	6.772703	6.754917	6.827098	6.690439	6.747963	6.072047	6.119505	6.01349	6.50625	6.444555	6.403403	6.355036	6.255462	6.271876
SAT2	ENSG0000	0.055797	5.644768	0.626081	0.539353	0.651238	-7.11044	5.515021	5.441528	5.328907	5.901593	5.876854	5.90932	5.774426	5.810187	5.760779	5.745902	5.68973	5.81197	5.626839	5.655804	5.616767	5.659012	5.487362	5.528997
TP53	ENSG0000	-0.83917	4.432894	-8.19487	2.15E-07	6.39E-06	7.332139	6.467698	6.566346	6.454708	5.895822	5.876854	5.837817	5.620676	5.469794	5.537947	3.312899	3.166245	3.38694	3.004458	3.077028	3.317756	2.794876	2.95995	2.960231
CCDC40	ENSG0000	0.124149	2.030359	0.788497	0.44097	0.561895	-6.19922	1.755904	1.420874	1.54317	2.425456	2.299368	2.429135	0.886508	0.915275	1.171446	2.589954	2.561038	2.546206	4.323482	4.235431	4.27499	2.831347	3.046116	2.944608
ARHGDIA	ENSG0000	0.258947	8.735533	5.35403	4.79E-05	0.000427	1.307766	8.47016	8.432251	8.547417	8.50699	8.725932	8.551385	8.728087	8.629017	8.779391	8.612773	8.653033	8.822191	9.004894	8.949357	8.945964	9.03282	9.010687	8.90071
TMC6	ENSG0000	0.145671	5.621966	1.319719	0.203955	0.309722	-6.51964	4.749336	4.929882	4.938064	3.933121	4.061165	4.018682	5.021241	4.905964	4.945952	6.539555	6.658331	6.708641	6.800863	6.658876	6.607265	6.853916	6.923778	6.655731
SLC16A3	ENSG0000	0.40489	8.919263	2.250529	0.037555	0.082788	-5.284	8.873132	8.881818	8.952779	9.450534	9.587195	9.384102	9.419987	9.376592	9.466052	8.640197	8.773244	8.843356	7.92844	8.016861	7.903131	9.129959	9.05311	8.925793
CARD14	ENSG0000	-0.24757	2.07371	-1.11835	0.278553	0.396014	-5.95956	1.010037	1.508929	1.453818	2.457149	2.398361	2.629332	0.782422	1.491012	1.0941	3.403229	3.423044	3.290894	3.623353	3.366191	3.412858	3.181381	3.182818	3.149291
TTYH2	ENSG0000	0.793642	0.510372	3.415179	0.003192	0.011768	-1.62618	3.011517	2.950996	2.99819	3.791129	3.923901	3.776446	3.632324	3.809996	3.733845	0.269074	0.259702	0.34382	0.352262	0.190544	0.335616	0.393424	0.2791	0.497646
RAB40B	ENSG0000	-0.11855	3.601859	-1.19518	0.247984	0.361926	-6.15037	3.236881	3.382531	3.359697	3.766043	4.051057	4.045196	3.094248	3.250449	3.023464	3.920163	3.860515	3.919248	4.15964	4.298341	4.228211	3.98397	3.929587	3.530388
EIF4A3	ENSG0000	0.027662	7.584248	0.888181	0.386504	0.508247	-7.14919	7.272689	7.322536	7.229012	7.194981	7.189185	7.177716	7.248105	7.312962	7.273781	7.987957	7.912801	7.996704	7.844646	7.805735	7.858521	8.071159	7.990597	7.970798
CSNK1D	ENSG0000	-0.00966	8.179187	-0.14265	0.888199	0.925497	-7.57413	8.094519	8.044609	8.048946	8.102798	8.116994	8.083994	8.149974	8.079904	8.173853	8.140187	8.160052	8.191441	8.583927	8.543255	8.550811	8.122035	8.10829	8.022873
ANAPC11	ENSG0000	0.009062	6.347718	0.199712	0.844011	0.894504	-7.4203	6.231262	6.094084	6.20893	5.982771	6.021043	5.988874	6.276361	6.236837	6.306464	6.816009	6.619923	6.762711	6.347048	6.298326	6.376842	6.679013	6.689514	6.655731
TBCD	ENSG0000	-0.18746	6.690803	-4.5749	0.000252	0.001557	-0.23491	6.514168	6.546977	6.519445	6.342299	6.415061	6.435578	6.325801	6.328935	6.3632	7.205589	7.093077	7.147156	6.946543	6.816799	6.81938	7.030295	6.927837	6.920195
FN3KRP	ENSG0000	-0.17073	5.795667	-1.89633	0.074571	0.142241	-5.64439	5.922218	5.774724	5.84602	5.629907	5.644527	5.553773	5.253102	5.553863	5.363523	6.202301	6.106936	6.191231	5.792129	5.776294	5.629423	6.204445	6.237262	6.12886
NARF	ENSG0000	0.272091	5.579508	3.746994	0.001541	0.006592	-1.91443	4.630287	4.691972	4.676925	5.428807	5.488499	5.425089	5.296262	5.160337	5.126746	5.89345	6.030465	6.022062	6.338162	6.307765	6.201469	6.182261	6.04886	6.083215
RPTOR	ENSG0000	-0.23816	6.32461	-4.27875	0.00048	0.002609	-0.83089	6.786668	6.873635	6.835774	6.222931	6.387211	6.287974	6.621871	6.377892	6.419771	6.252981	6.342817	6.365544	5.978655	5.895341	5.942167	6.285543	6.233332	6.072473
FOXK2	ENSG0000	0.508853	7.270929	11.98678	7.34E-10	8.86E-08	12.78657	6.726412	6.624173	6.724372	7.142341	7.230076	7.207367	7.317251	7.307707	7.281434	7.28317	7.267537	7.277277	7.564731	7.48845	7.52961	7.69758	7.719448	7.665387
TRIM65	ENSG0000	-0.07688	5.358662	-1.21281	0.241339	0.353824	-6.55266	5.449012	5.557053	5.666267	5.036268	5.094821	5.063714	5.431459	5.255104	5.121883	5.546278	5.58849	5.574748	5.22369	5.284851	5.271695	5.674151	5.667096	5.603018
CBX8	ENSG0000	0.150502	5.094163	1.906954	0.073101	0.139961	-5.49323	5.004246	4.913842	5.052811	5.097883	5.054916	5.093661	5.452809	5.306587	5.548858	5.149472	5.21963	5.212332	5.100883	5.012067	4.938437	5.124869	5.157568	5.033946
SECTM1	ENSG0000	0.911073	5.423286	7.657965	5.50E-07	1.34E-05	6.224647	4.615318	4.474101	4.59048	6.592896	6.652507	6.58612	5.93476	5.659938	5.912107	4.671093	4.613322	4.698057	6.017022	5.874847	5.875427	5.249139	5.187669	5.11644
RNF157	ENSG0000	1.340499	3.352	4.291881	0.000466	0.002548	-0.23025	3.011517	3.027527	2.794903	4.392481	4.447623	4.537503	4.245129	4.332946	4.270596	2.693825	3.116952	3.109727	2.28558	2.451029	2.465679	4.057652	4.07722	3.95366
CEP131	ENSG0000	-0.11087	3.644081	-1.06624	0.300825	0.419858	-6.48848	2.688195	2.853456	2.758051	2.864145	3.112982	2.581827	1.966276	2.184314	2.047395	4.806358	5.000678	5.214204	5.15451	5.18338	5.095248	5.064871	5.048468	4.973643
ZNF750	ENSG0000	0.192986	-0.1999	2.737621	0.013779	0.037536	-3.53801	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.659289	3.748453	3.872611	4.126992	4.210485	4.21867	3.917673	4.047684	3.797179
WDR45B	ENSG0000	0.197603	8.028833	2.348898	0.030819	0.070677	-5.06869	7.672815	7.719083	7.677469	7.172485	7.131599	7.167696	7.680631	7.671491	7.693973	8.336081	8.422435	8.398403	8.542944	8.571449	8.536963	8.752858	8.752151	8.728944
CBX4	ENSG0000	0.110838	6.071561	1.734924	0.100353	0.179312	-5.90523	5.901801	5.950121	6.122779	6.346536	6.523209	6.443905	6.056907	6.058125	6.202046	5.640283	5.864171	6.002702	6.214457	6.303053	6.244416	6.08995	5.909676	5.815479
DYM	ENSG0000	0.478909	4.440728	9.91813	1.34E-08	8.31E-07	10.05222	4.375799	4.564207	4.564038	4.949796	4.917027	4.969954	5.038289	4.981823	5.010523	3.956418	3.930661	3.896118	4.369563	4.321825	4.351192	4.32821	4.30899	4.353311
MAPK4	ENSG0000	0.697464	0.027502	4.568055	0.000256	0.001575	0.611114	4.921476	4.835117	4.790768	5.004446	4.971631	4.93257	5.54317	5.495903	5.602211	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ELAC1	ENSG0000	-0.65995	2.530613	-4.48081	0.000309	0.001837	0.284174	3.498536	3.39414	3.408073	2.393052	2.520598	2.317553	2.513265	2.801791	2.869505	2.918737	2.946841	2.816411	2.67247	2.770668	2.821313	2.400938	2.518186	2.374055
MBD1	ENSG0000	0.223724	6.114447	2.669581	0.015901	0.042012	-4.24948	6.284277	6.269775	6.280513	5.730596	6.061883	5.940258	6.616205	6.565688	6.52298	5.834606	6.018435	5.97758	6.074867	5.964114	5.983596	6.192812	6.027836	6.104461
SMAD4	ENSG0000	0.045764	5.176405	0.688145	0.500394	0.61744	-6.98734	5.437711	5.291319	5.217952	5.176143	5.176125	5.207592	5.431459	5.503276	5.443658	5.024124	5.115559	5.111508	5.206215	5.268024	5.143946	5.026064	5.101177	5.03025
TNFRSF11A	ENSG0000	-0.55777	1.774035	-4.9486	0.000113	0.000833	1.262676	1.719036	1.508929	1.54317	1.182548	1.498102	1.422231	1.588238	1.605065	1.38134	3.312899	3.509623	3.507833	2.412911	2.627242	2.497588	2.807136	2.799093	2.928814
ZCCHC2	ENSG0000	0.608552	5.133005	5.381281	4.53E-05	0.00041	1.739537	4.794334	4.953612	4.840087	5.707722	5.751385	5.640377	5.67619	5.6164	5.693539	4.782995	4.84591	4.838143	4.831335	4.753456	4.817241	5.304237	5.132464	5.19777
PMAIP1	ENSG0000	-0.0459	5.740484	-0.34877	0.731427	0.810213	-7.30727	6.265223	6.305561	6.291837	4.915985	4.789085	4.777799	6.346481	6.308036	6.361138	5.910491	5.91264	5.973166	5.375589	5.493636	5.376231	5.821935	5.757443	5.880558
P3H4	ENSG0000	0.915666	6.508934	4.915694	0.000121	0.000879	0.584833	6.012583	6.101184	6.184836	7.857689	7.89624	7.796646	7.266307	7.190414	7.196093	5.62347	5.779586	5.620625	6.013678	6.076066	5.923201	6.363362	6.357688	6.233818
NT5C3B	ENSG0000	-0.06367	5.769918	-1.07121	0.298645	0.417429	-6.74238	6.122537	6.101184	6.126398	5.866618	6.123468	6.015936	5.922569	5.862728	5.994232	5.552212	5.538823	5.674636	5.55042	5.44099	5.547959	5.745959	5.667096	5.499895
RETREG3	ENSG0000	0.021384	5.16329	0.332679	0.743334	0.819324	-7.16299	5.153322	4.937835	4.966609	5.338099	5.469652	5.421721	5.365443	5.183472	5.169792	5.170202	5.193714	5.076957	5.365129	5.451674	5.374084	5.052051	4.952919	5.041309

ERBB2	ENSG0000	-0.25841	6.333413	-3.21033	0.004993	0.016855	-3.16102	5.160214	5.137514	5.037516	5.667647	6.015855	5.730269	4.673889	4.504423	4.578115	7.228625	7.157267	7.119961	8.499568	8.444017	8.435857	7.055565	7.020453	7.013002
GRB7	ENSG0000	-0.55513	1.370295	-3.20463	0.005055	0.017021	-2.49602	1.12723	1.173893	1.146821	0.742604	0.92021	0.3528	0.415731	0.253663	0.39151	3.792275	3.682218	3.779618	4.203356	4.073319	3.985412	3.439417	3.337278	3.444131
MIEN1	ENSG0000	-0.02263	5.637915	-0.47808	0.638515	0.736804	-7.13161	6.279537	6.228223	6.24932	6.523489	6.622106	6.548001	6.237523	6.157275	6.220361	4.871097	4.893523	5.030978	5.162586	5.115127	5.123642	4.991566	4.981317	4.844905
IGFBP4	ENSG0000	0.721359	6.849158	4.391876	0.000375	0.002137	-0.51954	8.031547	8.068804	8.094	8.89793	8.942001	8.949293	8.751967	8.639512	8.756825	4.835851	5.032928	4.968042	4.816056	4.959137	4.745971	5.829467	5.692129	5.706224
FKBP10	ENSG0000	0.592649	8.86631	5.16703	7.10E-05	0.000578	0.927012	8.838371	8.893111	8.938697	9.974864	10.03656	9.981578	9.546774	9.53112	9.575259	7.953243	8.021601	8.036912	8.289297	8.24158	8.249903	8.533143	8.537321	8.478727
TXNL4A	ENSG0000	0.51706	5.684014	9.156439	4.38E-08	1.97E-06	8.75391	5.895619	5.92833	5.978065	6.470122	6.428788	6.433907	6.526418	6.522796	6.550385	4.914746	4.899366	5.013889	5.094564	5.104334	5.110805	5.392313	5.299655	5.317842
MISP3	ENSG0000	0.282911	1.146217	2.080399	0.052494	0.107718	-4.2169	1.719036	1.978677	1.818408	2.48816	2.460774	2.374422	1.816207	1.988058	2.047395	1.073118	1.228418	1.061592	1.755315	1.681564	1.667532	1.286141	1.581179	1.170016
SAMD1	ENSG0000	0.678694	4.624001	5.209961	6.48E-05	0.000536	1.47296	3.87042	4.021717	3.955676	5.388282	5.375591	5.272617	4.758625	4.819999	4.7071	4.30464	4.344483	4.441093	4.818614	4.79096	4.820398	4.877024	4.867593	4.918728
BRD4	ENSG0000	0.428568	6.745081	4.830971	0.000145	0.001014	0.37926	7.195112	7.129433	7.253213	7.814755	7.750046	7.799244	7.871877	7.802037	7.946572	5.904318	5.843106	5.816905	5.977511	5.854058	5.905471	6.004695	5.948551	5.892821
SLC39A3	ENSG0000	0.02775	3.669165	0.290894	0.774556	0.841889	-6.86924	3.43175	3.516026	3.648527	3.727576	4.110665	3.472196	3.423261	3.318907	3.468658	3.857636	3.975599	4.025385	3.92342	3.946112	4.098971	4.137495	4.059571	3.969186
NFIC	ENSG0000	0.267399	6.177853	2.963616	0.008513	0.025602	-3.59312	6.799969	6.831564	6.964681	7.213657	7.309596	7.222935	7.157384	7.036292	7.166879	5.12844	5.340512	5.359952	5.212064	5.054739	5.193492	5.568288	5.515684	5.570305
TPGS1	ENSG0000	0.21579	2.03415	0.811199	0.42816	0.549891	-6.03278	2.245129	2.258179	2.600444	3.255206	3.34578	3.086148	2.303642	1.901414	2.408535	1.116489	2.032826	2.104662	2.42639	2.686334	2.756856	2.597261	2.295039	1.58715
PLPP2	ENSG0000	0.025252	6.886795	0.435838	0.66829	0.761639	-7.39519	6.774368	6.774971	6.81462	6.408639	6.436573	6.405195	6.83525	6.745885	6.851475	7.131548	7.054979	7.176729	7.161773	7.100256	7.066091	7.2107	7.153267	7.089583
PRDM15	ENSG0000	-0.20856	4.098725	-2.91738	0.0094	0.027685	-3.39268	4.333741	4.101775	4.281987	4.062381	3.683372	4.162865	3.928981	3.833587	4.073118	4.497421	4.431731	4.324649	4.241981	4.298341	4.25179	4.32395	4.258317	4.223386
PFKL	ENSG0000	0.430272	6.85039	8.22854	2.03E-07	6.14E-06	7.049964	6.514168	6.514105	6.670856	7.045329	7.231195	7.053705	6.946297	6.856535	6.935637	6.399536	6.638382	6.52934	7.116238	7.041353	7.004963	7.092344	6.996692	6.955701
FEM1A	ENSG0000	-0.36605	6.074048	-8.52707	1.22E-07	4.19E-06	7.626041	6.578612	6.596806	6.648378	5.797117	5.833285	5.880161	6.271563	6.119389	6.204348	6.35383	6.236055	6.294791	5.737758	5.694099	5.565001	6.019258	5.970753	5.936917
VAV1	ENSG0000	0.001626	3.349933	0.014878	0.988298	0.992607	-7.15404	2.27083	2.470453	2.138168	1.634586	1.556428	1.310092	1.525136	1.605065	1.314712	5.33303	5.349076	5.489229	5.684066	5.734908	5.631222	5.501961	5.419802	5.590523
MVB12A	ENSG0000	0.096996	4.992049	0.672958	0.509775	0.625102	-6.95502	5.288426	5.25994	5.20089	4.87551	5.128856	4.78306	5.203583	5.028565	5.193163	4.533868	4.599033	4.791271	5.403118	5.350262	5.337086	5.028684	4.864208	4.832225
SH3GL1	ENSG0000	0.096099	6.968898	1.35209	0.193585	0.297432	-6.58493	6.418244	6.536539	6.643335	6.470122	6.610109	6.415394	6.520363	6.476718	6.460789	7.201189	7.190408	7.339043	7.752008	7.678715	7.622978	7.491773	7.475648	7.362227
DUS3L	ENSG0000	-0.06371	4.431597	-0.72404	0.478623	0.597566	-6.83192	4.327631	4.34846	4.492928	4.333937	4.621619	4.218286	4.376062	4.389749	4.490278	4.696324	4.706242	4.869357	4.268416	4.51757	4.472558	4.780845	4.706825	4.376785
DPP9	ENSG0000	-0.20124	6.586011	-2.0612	0.054483	0.110905	-5.46568	6.830535	6.801367	6.890005	6.132588	6.125878	6.09843	6.161755	6.276108	6.181159	6.859736	6.844734	7.017584	6.507043	6.474201	6.507953	7.122089	7.020453	6.982725
CCDC97	ENSG0000	-0.37197	6.120236	-3.87359	0.001166	0.005289	-1.70993	6.245915	6.242742	6.229267	5.543969	5.681033	5.497281	5.781194	5.730749	5.931692	6.509367	6.482672	6.524069	6.572912	6.503249	6.520626	6.278956	6.226757	6.056209
ZFP14	ENSG0000	0.649575	2.073373	3.813997	0.00133	0.00588	-1.02984	1.894617	1.947501	2.274882	2.548252	2.549605	2.429135	2.724622	2.623806	2.530983	1.964162	1.945166	1.820066	2.781373	2.938056	3.167173	2.095813	2.535313	2.48622
SIRT3	ENSG0000	0.035113	3.682646	0.355707	0.726317	0.805953	-6.74886	3.96004	4.094678	4.124423	4.384261	4.58706	4.146631	4.185161	4.212157	3.879258	3.17611	3.390227	3.276636	3.799417	3.779712	3.478287	3.350072	3.385297	3.189613
IFITM3	ENSG0000	0.539053	8.584839	2.932942	0.009092	0.02695	-3.92042	8.064066	8.040459	8.077737	9.190843	9.300102	9.249251	8.702023	8.685207	8.773976	8.443492	8.389085	8.485437	8.178414	8.222056	8.223314	8.827164	8.870957	8.876213
PGGHG	ENSG0000	0.296684	3.390265	1.619217	0.123303	0.210399	-5.38971	4.381709	4.164126	4.470324	4.472198	4.515354	4.55606	4.799197	4.511753	4.620106	2.100009	2.174476	2.396013	3.141522	3.131201	3.378997	2.464239	2.518186	2.374055
COL6A1	ENSG0000	0.789977	5.89722	8.437332	1.42E-07	4.69E-06	7.485707	5.233934	5.116644	5.22134	5.746715	6.036494	5.722075	5.794634	5.609584	5.636714	5.6347	5.856683	5.878389	6.384647	6.287632	6.206305	6.761652	6.806995	6.687757
IFNAR1	ENSG0000	0.486431	5.54902	6.145174	9.54E-06	0.000124	3.248489	4.785446	4.937835	4.831244	5.958063	5.8095	5.942611	5.63569	5.535999	5.602211	5.447841	5.450055	5.456399	5.92269	5.980438	5.963744	5.736375	5.729813	5.745073
SOD1	ENSG0000	-0.22454	7.5047	-6.72693	3.07E-06	5.14E-05	4.222542	8.218564	8.257779	8.163459	7.994921	7.986513	8.067921	7.944515	8.035458	8.009143	7.135506	7.015848	7.100362	6.900806	6.907288	6.949085	6.901146	6.834065	6.822074
COL6A2	ENSG0000	0.633029	2.387989	3.021238	0.00752	0.023133	-2.63898	3.792713	3.638208	3.511328	3.887325	4.061165	4.121933	3.891945	4.019913	3.913431	0.934589	1.300837	1.219002	1.878105	1.462417	1.610309	1.970607	2.447571	2.033602
SIK1	ENSG0000	-0.60575	1.282409	-6.2971	7.07E-06	9.82E-05	3.940802	1.069823	0.736739	0.598525	0.742604	0.625525	0.563119	0.415731	0.726566	0.629397	3.851231	3.860515	3.779618	3.494914	3.652127	3.412858	3.200096	3.394711	3.202807
TRPM2	ENSG0000	-0.65803	-0.26887	-1.14883	0.266106	0.382575	-5.27038	3.337603	3.286138	3.384088	2.688367	2.970101	2.675323	2.226405	2.650616	2.165532	0.269074	0.185134	0.106501	0.106501	0.26996	0.186984	0.326864	0.572487	0.409347
SCYL1	ENSG0000	0.1526	6.753073	1.934329	0.06943	0.134269	-5.68803	6.211491	6.205343	6.230948	6.756263	6.846147	6.711432	6.309508	6.35158	6.245172	7.013192	6.891652	7.113959	7.143528	7.090719	7.092449	7.215307	7.201675	7.18159
TMEM50B	ENSG0000	0.265481	4.689929	3.632423	0.001982	0.008031	-1.98258	4.296689	4.336476	4.464617	4.971905	4.789085	4.992837	4.864381	4.837607	4.849226	4.703453	4.735932	4.69001	4.821167	4.847068	4.839198	4.749424	4.798342	4.86164
APP	ENSG0000	1.361798	9.216003	17.83189	1.18E-12	8.84E-10	19.28783	8.518565	8.490867	8.466924	10.36619	10.28384	10.32528	10.12457	10.08867	10.12388	7.979173	8.007808	7.998062	9.329247	9.284244	9.295934	9.065241	9.079255	9.113461
DOP1B	ENSG0000	-0.74441	4.797625	-5.81001	1.87E-05	0.000206	2.651712	4.871956	4.778666	4.89628	4.290615	4.493129	4.610338	3.440463	3.40015	3.181386	5.59692	5.696457	5.594999	5.688268	5.595421	5.685908	5.262556	5.225092	5.177863
URB1	ENSG0000	-0.22696	7.514407	-3.19489	0.005163	0.017312	-3.29242	7.647287	7.56777	7.671288	7.947593	7.978536	7.939534	7.518981	7.423969	7.48167	7.533184	7.543702	7.48609	7.335245	7.296151	7.365847	7.258914	7.201675	7.210456
AKT1	ENSG0000	-0.12786	7.693965	-2.62405	0.017493	0.045267	-4.49948	7.503616	7.461435	7.467389	7.37479	7.636341	7.444948	7.230905	7.227616	7.169238	7.986497	7.96527	8.048235	8.08987	8.020453	8.040112	8.021056	7.99602	7.940105
EMP3	ENSG0000	-0.02752	5.80441	-0.39512	0.697536	0.783641	-7.16349	7.048657	7.026904	7.056697	6.992235	6.938138	6.841927	7.097643	7.080096	7.187972	4.848768	4.702905	5.020321	4.457531	4.484656	4.359898	4.637167	4.621188	4.735671
SAE1	ENSG0000	0.00578	7.037616	0.177535	0.86113	0.906902	-7.48283	7.011979	7.091611	6.9937	7.019026	6.976026	6.975445	7.000948	7.068959	6.967161	7.106895	7.107029	7.132386	7.011143	7.000462	6.99172	7.174487	7.10748	7.144463
LMTK3	ENSG0000	-0.17614	2.903084	-1.40981	0.176141	0.276846	-6.00154	2.320899	1.915637	2.326135	1.519216	1.612488	1.575618	1.648695	1.231675	1.314712	4.434552	4.566354	4.773612	5.005325	5.074229	4.95577	4.63373	4.568087	4.411295
GEMIN7	ENSG0000	-0.15154	4.27476	-1.84416	0.082179	0.153606	-5.44844	4.375799	4.243278	4.167214	4.041626	4.149079	4.293939	4.000319	3.967564	4.011347	4.721121	4.57733	4.818593	4.410831	4.225504	4.452348	4.777733	4.563921	4.520707
CBLC	ENSG0000	0.0704	0.26287	0.796044	0.436686	0.557822	-6.65491	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	4.685565	4.532919	4.727183	4.731716	4.569504	4.725907	4.802439	4.629187	4.572451
WTIP	ENSG0000	0.356044	1.966798	1.207596	0.243291	0.356135	-5.54987	3.783815	3.741788	3.931056	3.308302	3.844198	3.498018	4.205428	4.030158	4.243986	0.982259	0.640699	1.126631	1.336984	1.495836	1.722572	1.320757	1.16325	0.734116
RNPEPL1	ENSG0000	0.208149	6.445171	3.460269	0.002892	0.010924	-2.61588	6.214805	6.234694	6.290225	6.911603	7.027194	6.84696	6.638736	6.335147	6.508148	6.040025	6.168712	6.211047	6.790477	6.638447	6.542779	6.324444	6.390999	6.211145
CAPN10	ENSG0000	-0.29588	4.767286	-3.94953	0.000987	0.004631	-1.32108	5.027048	4.984658	5.116065	4.325376	4.641964	4.740428	4.779054	4.741115	4.687485	4.905504	4.995233	5.099408	4.890883	4.743056	4.912042	4.780845	4.819468	4.597643
ERVK3-1	ENSG0000	-0.03636	2.900651	-0.36928	0.716357	0.799176	-6.73224	2.526909	2.283367	2.351095	2.325974	2.398361	2.741673	2.576877	2.650616	2.616448	3.751589	3.884278	3.647349	3.789021	3.666873	3.793113	3.623987	3.404065	3.881648
ZNF787	ENSG0000	0.066535	5.416446	0.715708	0.483624	0.602081	-7.05336	5.160214	5.214829	5.293935	4.821743	5.054916	4.679672	5.374422	5.098392	5.188519	5.532334	5.727989	6.032707	5.786914	5.743628	5.797461	6.000697	5.966024	5.666299
TIMM29	ENSG0000	-0.12033	3.598593	-1.49885	0.151756	0.246968	-5.76136	3.85351	3.768792	4.011539	3.727576	3.820593	3.632327	3.928981	3.711575	3.82044	3.60703	3.748453	3.882059	3.629193	3.445301	3.540876	3.775173	3.431768	3.581792
CARM1	ENSG0000	-0.03463	6.243708	-0.7258	0.477566	0.596664	-7.12647	6.566989	6.494017	6.52494	6.367536	6.4692	6.36717	6.502046	6.291095	6.336161	6.037207	6.033125	6.098018	6.136645	6.050991	6.074994	6.142902	6.148223	6.100942
EVI5L	ENSG0000	0.298552	3.561836	3.804379	0.001358	0.005972	-1.38809	2.965042	3.128277	3.217639	3.503067	3.772191	3.678224	3.523527	3.550079	3.406029	3.584041	3.761343	3.92383	4.171694	4.127629	4.139984	4.103106	3.923096	3.881648
SLC47A1	ENSG0000	0.04427	2.043768	0.305726	0.763424	0.834238	-6.11015	5.060589	5.137514	5.067946	5.388282	5.274966	5.30589	5.115291	5.174263	5.121883	0.669294	0.583785	0.683459	0.656707	0.484926	0.593579	0.789161	0.504542	0.580851
PSMB6	ENSG0000	-0.05524	7.00633	-1.2574	0.225152	0.335163	-6.66993	7.886347	7.777312	7.787846	7.436708	7.490637	7.435792	7.867114	7.880578	7.831391	6.494033	6.468986	6.533093	6.099266	6.150089	6.207511	6.324444	6.361294	6.316562
ZNF473	ENSG0000	0.503893	4.786268	5.377924	4.56E-05	0.000412	1.711714	3.928091	3.7953	3.979882	4.299384	4.400635	4.249025	4.772276	4.436718	4.444269	5.532334	5.301333	5.37006	5.180594	5.012067	5.068941	5.827964	5.770158	5.84102
FAM71E1	ENSG0000	-0.57453	1.325594	-3.61838	0.002044	0.008215	-1.45812	1.894617	1.978677	1.78216	1.104644	0.92021	0.830331	1.160105	1.082132	1.314712	2.494552	2.66072	2.893183	2.027088	2.533802	2.220059	2.417026	2.392244	2.277588
RPS11	ENSG0000	-0.03263	9.452419	-0.87966	0.390976	0.512533	-7.26775	9.568214	9.55888	9.527488	9.418191	9.485788	9.371061	9.585709	9.540334	9.538551	9.502567	9.416482	9.358623	9.354695	9.445799	9.43	9.331059	9.3805	9.367998
RPL13A	ENSG0000	-0.06588	10.19521	-1.61658	0.123874	0.211145	-6.42024	10.5116	10.46699	10.48686	10.40199	10.49499	10.36737	10.35749	10.38156	10.40454	9.951064	9.895863	9.88181	10.06661	10.13102	10.0832	9.862087	9.893366	9.898577
CTU1	ENSG0000	-0.02702	3.029906	-0.20471	0.840167	0.891825	-6.7312	3.114469	2.853456	3.176339	3.162124	3.132285	2.697781	2.779728	2.871824	2.892531	3.091698	3.313538	3.663876	3.429485	3.503965	3.754018	3.617041	3.529023	3.121769
NOSIP	ENSG0000	0.039566	5.70158	0.376849	0.710822	0.794806	-7.28759	5.269428	5.346137	5.328907	4.97738	5.094821	5.00189	5.473848	5.306587	5.552477	5.954476	6.094257	6.246228	6.460307	6.418651	6.366079	6.247814	6.125784	5.904981
RCN3	ENSG0000	0.725644	2.946447	3.603356	0.002113	0.008428	-1.65232	2.505419	2.655462	2.600444	3.123142	3.616407	3.26222	4.079318	3.736817	4.042563	3.0698	2.865607	3.164958	2.760241	2.901116	2.858649	3.181381	3.009816	3.035906
ZNF614	ENSG0000	0.63025	4.139418	9.879956	1.42E-08	8.58E-07	9.980873	3.156438	3.370829	3.359697	3.688057	3.616407	3.689474	3.988671	3.736817	3.856018	4.346223	4.595438	4.369004	5.109264	5.037822	5.113381	5.085149	5.060349	4.98132
RERE	ENSG0000	-0.01925	5.753421	-0.43604	0.668149	0.761559	-7.25457	5.37392	5.504468	5.434857	5.506594	5.529116	5.519514	5.238424	5.344028	5.351109	6.007276	6.105673	6.005947	6.339944	6.297141	6.258452	6.114821	6.121538	6.01753
PADI3	ENSG0000	0.622635	0.44685	4.711907	0.000187	0.001243	0.552575	0.41387	0.499412	0.421314	0.106501	0.106501	0.106501	0.269385	0.253663	0.106501	3.926269	4.092415	3.829308	3.221013	3.183414	3.234995	4.67445	4.621188	4.597643
FHAD1	ENSG0000	1.485362	3.738514	5.212831	6.44E-05	0.000534	1.81841	5.194191	5.221361	5.183625	6.218315	6.128283	6.070736	6.934204	6.814177	6.88487	1.676063	1.725977	1.631268	2.542344	2.326537	2.497588	1.948641	1.645686	1.322858
PADI1	ENSG0000	0.033794	0.471836	0.109141	0.914334	0.943275	-6.36474	1.561356	1.327092	1.453818	0.52061	0.25478	0.461789	0.782422	0.726566	0.256032	1.891119	2.285719	2.004401	1.524131	1.970168	1.722572	2.554269	2.354144	2.649309
EPHA2	ENSG0000	-0.87527	8.032008	-4.25524	0.000505	0.00272	-1.05655	9.342732	9.1696	9.32546	6.573146	6.713055	6.504077	7.813656	7.685333	7.752567	8.678233	8.531796	8.739651	7.715761	7.5111	7.584032	8.394028	8.353104	8.311039
ARHGEF19	ENSG0000	-0.07511	4.722873	-0.67148	0.510693	0.625883	-6.96724	4.138162	4.17089	4.003689	4.152252	4.231942	4.279122	3.405851	2.981485	3.856018	5.393783	5.299125	5.437298	6.200796	6.102069	6.063049	5.541021	5.471879	5.521118
EFHD2	ENSG0000	0.237846	7.977358	5.211044	6.47E-05	0.000536	1.101847	9.283401	9.276564	9.399113	9.241205	9.322333	9.139203	9.537061	9.469634	9.559834	6.514442	6.50296	6.652465	6.483864	6.429501	6.427415	6.916787	6.858936	6.73847
PEX14	ENSG0000	0.012913	4.729706	0.198071	0.845275	0.89535	-7.17438	4.564268	4.522504	4.476008	4.171485	4.368438	4.226032	4.591583	4.341199	4.640652	5.052315	5.095341	5.301295	5.069012	5.191052	5.034009	5.28245	5.140881	5.091828
PGD	ENSG0000	0.177261	8.691037	1.989899	0.062481	0.123738	-5.71134	9.340647	9.381437	9.282721	9.588842	9.680301	9.589463	9.77135	9.771649	9.756206	7.977704	7.860224	8.0553	7.646547	7.588654	7.677536	7.830016	7.858197	7.860127
SH3BGRL3	ENSG0000	-0.133	7.319158	-0.87138	0.395361	0.516997	-7.11758	7.702628	7.682864	7.701322	7.804012	7.823139	7.807658	7.003844	6.957958	6.972573	6.999502	6.878402	7.011139	7.170811	7.154235	7.122817	7.36275	7.428873	7.332523
CNKSR1	ENSG0000	-0.08752	1.155858	-0.77436	0.449066	0.569652	-6.74794	0.216396	0.316291	0.323815	0.258133	0.25478	0.106501	0.106501	0.509405	0.39151	4.966032	5.006104	4.883539	5.267409	5.112436	5.186167	4.739863	4.987552	4.844905
RPL11	ENSG0000	-0.09169	9.267273	-2.12768	0.047874	0.100175	-5.5367	9.283401	9.289636	9.264566	9.089581	9.104453	9.068529	9.152793	9.138993	9.212635	9.39674	9.364104	9.32416	9.3733	9.458435	9.467112	9.266489	9.264612	9.335047
IL22RA1	ENSG0000	-0.09035	2.679973	-0.54399	0.59332	0.697479	-6.51009	2.884092	2.674627	3.090013	3.162124	2.970101	2.719893	2.340763	2.650616	2.309357	3.036317	3.166245	3.276636	2.638129	2.743101	2.661487	3.366734	3.193646	3.340497
ZNF593	ENSG0000	0.058567	5.018045	0.598339	0.557289	0.667631	-7.03091	4.996565	4.917869	5.159101	4.87551	5.008661	4.834637	5.060712	4.765849	4.795267	4.880563	4.928229	5.276432	5.322513	5.213825	5.426825	5.44622	5.1548	5.084719
C1orf216	ENSG0000	0.206844	4.39493	3.136122	0.005866	0.019132	-2.93801	4.595114	4.463121	4.48731	4.927344	5.029402	5.00189	4.428731	4.68386	4.599264	3.944434	3.913441	4.071539	4.454245	4.425185	4.460466	4.240529	4.2788	4.382594
KIAA0319L	ENSG0000	0.315091	6.713322	5.027762	9.53E-05	0.00073	0.781591	6.211491	6.182094	6.230948	7.41569	7.29361	7.341777	6.785632	6.787247	6.720882	6.351563	6.393375	6.307119	7.228692	7.286038	7.217467	6.435225	6.467717	6.449805
EVA1B	ENSG0000	0.227429	1.04225	0.885309	0.388008	0.50958	-5.90484	1.12723	1.226787	1.62731	0.934951	1.307481	1.123626	1.074544	1.549165	1.171446	1.616888	1.616737	1.800268	2.706013	2.888589	2.661487	2.173627	2.054898	1.546329
DMRTA2	ENSG0000	-0.13186	-0.52279	-0.39965	0.694257	0.78119	-5.84952	3.691678	3.516026	3.500214	3.70135	3.934936	3.584921	3.352323	3.646467	3.614278	0.106501	0.185134	0.288049	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PLK4	ENSG0000	0.259055	3.487305	1.331315	0.200191	0.305116	-6.11063	3.593253	3.35903	3.39613	3.103249	2.970101	3.03415	3.866715	4.030158	3.721038	4.476768	4.580969	4.578198	2.062048	2.269709	2.481722	4.640597	4.691628	4.684858
MAP3K6	ENSG0000	-0.16882	3.818789	-1.26997	0.220742	0.330395	-6.14962	3.27548	3.222448	3.443319	3.977507	4.258538	4.045196	2.957542	3.083395	3.023464	4.430262	4.390842	4.389024	4.543538	4.529722	4.27499	4.180538	4.38181	4.323421
GPN2	ENSG0000	0.009279	5.390042	0.133439	0.89537	0.930247	-7.27692	5.307177	5.272573	5.328907	5.15214	5.296516	5.302231	5.277239	5.048863	5.092354	5.41565	5.386997	5.586355	5.865704	5.77289	5.77648	5.612618	5.669038	5.497221
SYTL1	ENSG0000	0.137043	1.175899	1.219165	0.23898	0.351052	-6.43021	0.41387	0.316291	0.421314	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.560088	5.572124	5.784522	5.72145	5.814873	5.791038	5.915499	5.789916	5.817625
WDTC1	ENSG0000	-0.20365	5.521567	-2.5459	0.020583	0.051477	-4.42593	5.275788	5.269425	5.148462	4.898777	5.157403	5.010886	4.751751	4.77806	4.872576	5.976711	6.015748	5.969847	6.39411	6.364273	6.378985	5.961472	5.891503	5.894855
NBPF3	ENSG0000	-0.02525	3.216259	-0.35346	0.727974	0.807213	-6.80259	2.798329	2.802095	2.621113	2.887595	2.926537	2.805104	2.752438	2.916694	2.959482	3.882973	4.035189	3.990867	3.932895	3.987816	3.892464	3.793775	4.059571	3.797179
HSPG2	ENSG0000	-0.59576	7.534213	-4.68652	0.000198	0.001289	-0.0413	8.056697	8.130397	8.331998	7.54667	7.79389	7.840198	7.16128	6.956616	7.212198	7.386991	7.533406	7.344607	7.651936	7.485334	7.545915	7.373611	7.222972	7.189897
ITGB3BP	ENSG0000	-0.00606	3.861388	-0.07065	0.944479	0.964109	-6.97151	4.29042	4.262405	4.441562	3.619685	3.242978	3.632327	4.348988	4.282412	4.556652	4.114515	3.975599	4.012537	3.442811	3.644697	3.556108	3.928936	4.029668	3.969186
SERBP1	ENSG0000	-0.01592	9.109987	-0.57966	0.569544	0.678433	-7.47591	9.129701	9.170655	9.15655	8.900814	8.894037	8.881326	9.126794	9.160139	9.107701	9.209929	9.196271	9.250954	9.058356	9.092083	9.0687	9.219536	9.207494	9.197428
BCL10	ENSG0000	-0.12478	4.319055	-2.14361	0.046403	0.09781	-4.98891	4.014302	4.036608	3.897563	3.753334	3.759832	3.797394	3.586698	3.924273	4.011347	5.052315	4.939615	5.10547	4.771865	4.784213	4.935528	4.84468	4.975054	4.958165
CCN1	ENSG0000	-1.01014	8.005819	-3.17494	0.005392	0.017922	-3.39794	8.887481	8.598583	8.610471	6.515985	6.559313	6.44058	7.063352	7.177797	7.327573	8.650838	8.46393	8.706463	9.078504	9.039405	9.0687	8.063833	8.015603	7.964034
PRKACB	ENSG0000	0.390669	5.675372	3.40292	0.003279	0.012016	-2.61277	5.964175	5.959918	5.916691	6.438717	6.310908	6.265599	6.704294	6.74433	6.636447	5.288691	5.207908	5.097381	4.941045	4.968095	4.879111	5.144327	5.112633	5.154286
PIGK	ENSG0000	0.26859	4.899472	2.545941	0.020581	0.051477	-4.27541	4.996565	5.048491	5.049003	5.338099	5.079986	5.242382	5.535185	5.695778	5.500968	4.710546	4.815334	4.862213	4.195506	4.367677	4.364231	4.808549	4.740443	4.762652
TINAGL1	ENSG0000	-0.01388	4.808931	-0.1906	0.851038	0.899609	-7.3654	2.27083	2.470453	2.5366	2.48816	2.520598	2.317553	1.525136	1.658879	2.087859	7.702844	7.700832	7.85785	7.840562	7.816108	7.847343	7.873293	7.843232	7.677843
AZIN2	ENSG0000	-0.90517	0.853767	-5.3081	5.28E-05	0.000459	2.091041	1.430644	1.591918	1.585853	1.393812	0.92021	1.367251	0.886508	1.001115	1.01237	2.14259	2.135404	1.780195	2.162115	2.039797	2.058312	1.45147	1.547811	1.222783
RPS8	ENSG0000	-0.02182	9.512244	-0.78866	0.440877	0.561895	-7.34475	9.819089	9.802123	9.770329	9.629614	9.643986	9.591339	9.750811	9.767062	9.774333	9.375837	9.346569	9.300132	9.185052	9.263626	9.246176	9.284961	9.323873	9.382746
KIF2C	ENSG0000	-0.14031	4.380973	-0.65808	0.519062	0.63373	-6.94106	5.104131	4.999934	4.913139	4.009923	4.071202	4.113606	4.83866	4.955186	4.758139	5.35583	5.27461	5.329196	2.439743	2.627242	2.257813	5.165907	5.176796	5.21089
PTPRF	ENSG0000	-0.12708	8.536822	-0.60669	0.551855	0.6622	-7.42301	8.890333	8.819417	8.914045	7.929349	7.914473	7.934224	8.35098	8.256095	8.284616	8.302146	8.444581	8.332086	9.188147	9.138614	9.142141	8.651754	8.616403	8.628326
MOB3C	ENSG0000	-0.1239	3.707136	-0.71414	0.484569	0.602928	-6.6664	4.165822	4.324392	4.345467	3.325575	3.188693	3.377995	3.586698	3.685883	3.543305	3.614613	3.761343	3.819506	4.046359	4.1851	3.86826	3.989359	3.961615	3.969186
TMEM61	ENSG0000	0.949015	-1.21458	3.507694	0.002607	0.010045	-1.51352	0.106501	0.106501	0.323815	0.258133	0.106501	0.106501	0.106501	0.253663	0.256032	1.352446	1.369793	1.248523	1.473091	1.766169	1.695314	1.948641	2.274787	1.703111
LMO4	ENSG0000	0.302565	4.433201	3.911269	0.001074	0.004952	-1.21028	5.304069	5.214829	5.159101	5.569568	5.589722	5.528939	5.547145	5.550308	5.690258	3.385609	3.232543	3.513924	3.746669	3.903166	3.793113	3.478269	3.628139	3.477085
MTF2	ENSG0000	-0.1983	5.001302	-3.77369	0.001453	0.006288	-1.79203	4.984965	4.830853	4.844488	4.171485	4.335505	4.365821	4.528631	4.677356	4.801363	5.737245	5.590297	5.71749	5.28231	5.324918	5.191054	5.513229	5.467424	5.531613
SLC44A3	ENSG0000	0.271515	2.350707	2.4231	0.026502	0.062881	-4.0019	1.959273	2.009193	1.706811	2.255624	2.117603	2.402038	2.412257	2.029503	1.962896	2.777267	2.817048	3.203153	3.332595	3.495729	3.586098	3.254827	3.204393	3.021085
IGSF3	ENSG0000	0.440537	5.075885	2.614126	0.017859	0.045931	-4.19284	4.776503	4.511888	4.758481	5.388282	5.613956	5.494077	5.043928	4.860754	4.726452	5.04952	5.090242	5.058324	5.018734	4.994639	4.869998	5.733166	5.549795	5.635005
ZNF697	ENSG0000	-0.00297	4.150402	-0.03132	0.97537	0.983658	-7.15198	3.114469	3.461896	3.544167	3.342644	3.457132	3.27721	2.724622	2.894433	3.289427	5.24539	5.401479	5.329196	5.123815	4.968095	5.143946	5.486798	5.314612	5.470195
CTTNBP2N	ENSG0000	-0.02738	5.217677	-0.23319	0.818324	0.875357	-7.21013	5.394524	5.381559	5.363051	5.062262	5.217382	5.028711	5.396627	5.408281	5.463015	5.068969	5.12057	5.056239	5.514586	5.554375	5.568761	4.991566	5.054421	4.99276
STRIP1	ENSG0000	0.202043	5.06379	3.335001	0.003804	0.01355	-2.74134	4.186225	4.249682	4.43574	4.681208	4.537243	4.756563	4.637058	4.389749	4.592248	5.473087	5.672774	5.704234	5.76321	5.767769	5.808633	5.847385	5.823417	5.689918
PSMA5	ENSG0000	-0.10833	7.348935	-1.77839	0.09274	0.168353	-5.99204	7.658891	7.667999	7.626629	7.280506	7.179939	7.237379	7.378779	7.383585	7.386545	7.319	7.232673	7.270098	7.297695	7.297928	7.289867	7.344466	7.300149	7.293742
CELSR2	ENSG0000	0.290874	6.217984	1.447104	0.165566	0.263864	-6.36391	5.37392	5.424646	5.525355	6.655706	6.746323	6.850722	5.767627	5.629937	5.773239	6.464965	6.526746	6.380621	6.429681	6.261152	6.314389	6.797426	6.725401	6.65693
GPR161	ENSG0000	0.411791	3.98247	2.279812	0.035419	0.078972	-4.61852	2.505419	2.308123	2.423483	4.424898	4.439897	4.271657	3.490873	3.535768	3.60036	4.553726	4.637993	4.460144	5.088219	4.994639	5.082154	4.717304	4.517274	4.703543
ALDH9A1	ENSG0000	0.112027	6.575952	2.635708	0.017071	0.044362	-4.35079	6.93168	6.955246	6.913236	7.016369	6.887915	6.865676	7.084024	7.077629	7.178636	6.115449	6.156567	6.236132	6.213485	6.160546	6.231428	6.209072	6.221476	6.204601
ATP1B1	ENSG0000	-0.2342	8.358624	-1.49726	0.152168	0.247327	-6.49286	7.780176	7.707498	7.701322	8.493203	8.463155	8.505578	7.776037	7.793792	7.801289	9.055016	9.054561	9.082017	8.480514	8.540005	8.562643	8.573175	8.581274	8.589925
TIPRL	ENSG0000	0.040581	6.516301	0.931308	0.364381	0.486171	-6.9957	6.503368	6.45852	6.511164	6.582157	6.4654	6.447223	6.57201	6.6022	6.656763	6.506313	6.516329	6.47808	6.624986	6.614876	6.619099	6.46067	6.461011	6.505438
NME7	ENSG0000	-0.30027	4.916487	-3.40761	0.003246	0.011912	-2.58283	4.564268	4.412648	4.470324	3.933121	3.923901	3.878271	4.057185	4.119235	4.103038	5.823198	5.768456	5.850985	5.935709	5.927843	6.033424	5.621323	5.47632	5.622786
POGK	ENSG0000	0.283922	7.194012	8.007394	2.97E-07	8.17E-06	6.626314	7.032784	7.106683	7.107935	7.161705	7.204085	7.163668	7.359691	7.473613	7.398658	7.071519	7.017864	7.060347	7.233013	7.175015	7.234727	7.279408	7.267852	7.327261
MPC2	ENSG0000	-0.00957	5.192508	-0.1479	0.884112	0.923025	-7.17577	5.549554	5.690142	5.678645	5.92161	5.888253	5.842864	5.624444	5.798247	5.716303	4.58494	4.806033	4.883539	4.701546	4.853528	4.72927	4.664377	4.660745	4.646745
CREG1	ENSG0000	0.990741	7.525649	7.332252	9.90E-07	2.12E-05	5.415512	7.382121	7.457291	7.378378	9.249995	9.172174	9.203392	8.659499	8.716869	8.601295	6.108753	6.224465	6.215726	6.871543	6.992436	6.93386	6.830834	6.807877	6.84013
DCAF6	ENSG0000	0.644281	5.849387	7.529453	6.92E-07	1.61E-05	5.925102	5.528401	5.559632	5.56856	6.662519	6.495526	6.660892	6.225168	6.19874	6.295708	4.926979	5.003394	4.883539	6.390676	6.371043	6.471263	5.46375	5.585175	5.502565
GPA33	ENSG0000	-0.60289	-0.57299	-2.44283	0.025454	0.060839	-3.69527	0.318509	0.582935	0.219246	0.106501	0.106501	0.461789	0.106501	0.106501	0.256032	2.47802	2.453955	2.213454	2.193986	1.921808	2.312654	1.970607	2.101639	2.003758
TBX19	ENSG0000	-0.1126	0.210862	-0.57243	0.574324	0.6823	-5.96361	0.587539	0.582935	0.756332	1.104644	1.087782	0.746642	0.782422	0.726566	0.833554	1.76051	1.55885	1.49011	2.079215	1.462417	1.722572	1.320757	1.406038	1.370407
UCK2	ENSG0000	-0.06439	7.254543	-1.04279	0.311255	0.430952	-6.9433	7.926316	7.895354	7.927151	7.727294	7.720856	7.728068	7.763276	7.768006	7.795192	6.879539	6.811811	6.937715	6.456206	6.350638	6.409706	6.950337	6.89089	6.833783
TMCO1	ENSG0000	1.846021	7.013359	23.72697	9.68E-15	2.76E-11	23.98341	5.565217	5.469231	5.547119	7.464263	7.459453	7.4737	7.652304	7.685333	7.700512	6.040025	6.094257	6.044325	7.81517	7.797383	7.813676	7.597461	7.60852	7.668957
POU2F1	ENSG0000	-0.0772	5.119605	-0.46318	0.648949	0.745763	-7.08029	5.294704	5.269425	5.281005	5.875441	5.815483	5.982028	5.35187	5.466025	5.355259	5.074478	5.258789	4.974681	4.437701	4.442428	4.595601	4.755763	4.83684	4.886383
MAEL	ENSG0000	1.032134	1.61243	20.55753	1.09E-13	1.30E-10	21.57809	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	6.769217	6.756554	6.651084	7.428619	7.444731	7.478561	7.780358	7.745437	7.756565
MGST3	ENSG0000	-0.24289	5.240789	-1.85996	0.079806	0.150258	-5.52799	6.063102	6.124021	5.906203	5.687824	5.766907	5.637476	5.650549	5.891111	5.748211	4.596474	4.616873	4.69538	5.136171	5.104334	5.148978	4.500412	4.377068	4.45054
COP1	ENSG0000	-0.03337	6.050934	-0.33285	0.743204	0.819245	-7.30206	6.568285	6.589251	6.463319	6.261586	6.039053	6.25428	6.538451	6.515521	6.584368	5.591166	5.731269	5.66372	5.94276	5.870076	5.933444	5.628249	5.599495	5.560088
NECTIN4	ENSG0000	-0.44997	3.99786	-5.36237	4.71E-05	0.000422	1.625	2.568952	2.655462	2.558197	1.634586	1.373859	1.422231	1.917967	1.809233	1.873138	6.696055	6.69154	6.664835	6.555383	6.561622	6.48426	6.244437	6.303737	6.315044
UFC1	ENSG0000	-0.01894	6.935184	-0.31252	0.758346	0.830934	-7.40439	7.361337	7.442692	7.325835	7.526272	7.449868	7.56433	7.405305	7.428817	7.388571	6.34588	6.316858	6.358792	6.752188	6.80268	6.78262	6.252304	6.292449	6.27031
PPOX	ENSG0000	-0.4785	3.911961	-2.53079	0.021237	0.052715	-4.02786	5.042051	4.980813	5.018167	4.227693	4.149079	3.991672	4.339849	4.55497	4.339245	3.520882	3.439177	3.464463	3.870167	3.852467	3.856005	3.227721	3.2466	3.176297
NUF2	ENSG0000	-0.02715	3.602669	-0.1405	0.889868	0.926423	-6.94719	4.433832	4.668265	4.388298	3.325575	3.34578	3.498018	4.520565	4.80814	4.654189	4.295234	4.278766	4.460144	1.573426	1.652223	1.749324	4.098126	4.145732	4.029672

RGS5	ENSG0000	-0.33179	1.364712	-2.24143	0.038242	0.083966	-4.01385	2.505419	2.152784	2.37563	2.518519	1.864131	2.164723	2.226405	2.108984	2.165532	1.676063	1.827525	1.759838	1.392977	1.357245	1.320349	1.482378	1.289746	1.58715
SDHC	ENSG0000	-0.24696	7.528307	-3.29407	0.00416	0.014558	-3.08428	8.053924	8.074677	8.01616	7.635917	7.492506	7.570428	7.934685	8.013679	7.934836	7.402404	7.409405	7.448426	7.238754	7.164013	7.209662	7.037467	7.000551	7.022335
PFDN2	ENSG0000	-0.17066	6.782726	-2.71097	0.014576	0.039167	-4.2575	7.204311	7.202228	7.171496	6.173706	6.256968	6.202215	6.800697	6.806747	6.887738	7.014626	7.020547	7.050953	6.48467	6.439197	6.546597	7.03356	6.998236	7.04449
USP21	ENSG0000	-0.27969	5.38062	-7.08748	1.56E-06	3.03E-05	5.111417	5.485141	5.404699	5.440682	5.472108	5.296516	5.408166	5.233498	5.210752	5.150819	5.606458	5.627733	5.680063	5.489122	5.487419	5.459595	5.321433	5.353756	5.362617
PRCC	ENSG0000	-0.06593	7.172555	-1.25881	0.224653	0.334665	-6.71765	7.242157	7.171358	7.232374	6.806339	6.953141	6.766914	7.066126	7.077629	7.081787	7.365805	7.258474	7.414236	7.331221	7.251603	7.240042	7.373095	7.391741	7.268865
RRNAD1	ENSG0000	-0.22911	5.25965	-3.45739	0.002911	0.010964	-2.46681	5.420591	5.234335	5.399401	5.161789	5.383668	5.179942	5.253102	5.228657	5.211591	5.46891	5.276856	5.443693	5.562678	5.421557	5.412251	5.095182	5.115482	5.098903
MRPL24	ENSG0000	-0.03637	7.213676	-0.65388	0.521701	0.635908	-7.29149	7.417788	7.445484	7.427609	6.964937	7.127997	7.026239	7.424884	7.42591	7.406678	7.197407	7.135774	7.263786	7.063839	7.143072	7.124734	7.172712	7.08221	7.176583
PIGM	ENSG0000	0.533831	5.073384	7.985418	3.09E-07	8.38E-06	6.796517	4.138162	4.204245	4.288462	5.132645	4.922581	5.175948	5.003988	4.949799	5.052019	5.104407	5.147822	5.137382	5.857021	5.755749	5.794253	5.501961	5.435851	5.554952
ISG20L2	ENSG0000	-0.34347	7.631139	-6.95084	2.01E-06	3.75E-05	4.61152	7.492736	7.518237	7.526103	6.778385	6.764994	6.781444	6.980512	6.955272	7.020395	8.42932	8.342668	8.444371	7.964689	7.932804	7.963998	8.209494	8.212117	8.189961
CRABP2	ENSG0000	-0.02782	4.573899	-0.55678	0.584739	0.690469	-7.29663	1.12723	1.118985	0.964748	1.393812	1.006428	0.830331	1.160105	1.15884	1.727075	9.074735	8.94602	9.019309	8.698066	8.723778	8.699902	8.9454	8.9543	9.002776
HDGF	ENSG0000	-0.22905	9.310383	-4.36552	0.000397	0.002243	-0.87835	9.480241	9.521162	9.477181	8.832225	8.950862	8.898999	9.060191	9.085038	9.071586	9.624584	9.542121	9.614565	9.287274	9.304867	9.274799	9.548493	9.511896	9.54371
ABL2	ENSG0000	0.082827	6.979977	1.038416	0.31323	0.432929	-6.92716	7.672213	7.43358	7.45521	7.033552	7.100083	7.218088	7.508824	7.601073	7.505203	6.543532	6.623457	6.372265	6.605122	6.591879	6.62272	6.707906	6.627978	6.638841
XPR1	ENSG0000	0.58143	7.244208	4.246914	0.000514	0.002761	-0.95818	7.329589	7.437092	7.371533	8.176642	7.958398	8.164805	8.46832	8.424789	8.469204	6.484753	6.569514	6.440202	6.616927	6.55371	6.62543	6.506498	6.53525	6.466311
RGS16	ENSG0000	0.019775	0.731587	0.068609	0.94608	0.964775	-5.95531	4.484137	4.609725	4.59048	4.092964	3.988879	3.878271	4.56045	4.59002	4.592248	0.190076	0.259702	0.288049	0.234608	0.26996	0.263213	0.393424	0.358227	0.106501
TOR1AIP1	ENSG0000	0.486095	6.892756	5.780499	1.99E-05	0.000216	2.353705	6.643993	6.66667	6.720785	7.504634	7.33897	7.351548	7.425964	7.559236	7.429489	6.476454	6.448212	6.460843	6.725177	6.828323	6.813054	6.652929	6.662488	6.594479
HMCN1	ENSG0000	-0.02131	1.74722	-0.049	0.961472	0.975373	-6.2319	2.245129	2.125186	2.079636	4.161901	4.204846	4.745826	2.376953	2.568641	2.408535	1.787595	1.777644	1.538714	1.573426	1.428204	1.580823	1.13872	1.289746	1.058313
RGL1	ENSG0000	-0.12145	3.039002	-1.04405	0.310688	0.430418	-6.21988	2.461454	2.470453	2.351095	3.041869	2.811499	2.94309	2.376953	2.255906	2.560038	3.471629	3.5985	3.573456	4.785003	4.467913	4.759194	3.366734	3.366281	3.55117
LYPLAL1	ENSG0000	-0.25196	5.307101	-3.43736	0.003041	0.011357	-2.41994	6.570874	6.629094	6.550756	6.392338	6.196355	6.297196	6.302469	6.243457	6.224904	4.323269	4.45968	4.271716	4.279599	4.354074	4.558265	4.142342	4.288934	4.299055
PRUNE1	ENSG0000	0.059409	5.325196	0.954802	0.352698	0.474137	-6.81914	4.888652	5.095468	4.929803	5.156973	4.831037	5.127141	5.152303	4.938965	5.112107	5.577652	5.54815	5.631871	5.93217	5.904702	5.821296	5.63686	5.597458	5.65194
RORC	ENSG0000	0.903354	0.837545	5.621756	2.75E-05	0.000276	2.636604	0.216396	0.316291	0.219246	0.395333	0.512209	0.563119	0.415731	0.253663	0.735084	2.664903	2.889287	2.558044	4.998573	4.944083	5.012085	3.281432	3.698248	3.487904
TUFT1	ENSG0000	-1.1478	6.271761	-4.03017	0.000827	0.004019	-1.37835	7.904932	7.728284	7.714005	5.137544	5.248674	5.080903	5.907184	5.983638	5.994232	6.631184	6.469968	6.560569	6.326528	6.278059	6.261939	5.989982	6.039887	6.028687
SF3B4	ENSG0000	-0.2908	7.874121	-4.45512	0.000327	0.001919	-0.59759	7.943897	7.963656	8.009316	7.166506	7.221089	7.172715	7.471654	7.449959	7.544803	8.382621	8.283862	8.407019	8.058293	8.061138	8.027531	8.207761	8.252484	8.228775
ECM1	ENSG0000	0.790002	4.171911	3.309169	0.004025	0.014163	-2.35466	5.653347	5.554468	5.764758	5.996317	5.850871	6.089965	6.807343	6.59704	6.735283	2.990428	2.969234	3.00983	2.062048	1.993753	2.058312	2.448672	2.649824	2.760563
ZNF687	ENSG0000	-0.2654	6.005399	-5.35997	4.73E-05	0.000422	1.54239	6.031501	5.994648	6.069258	5.878371	5.821441	5.916519	5.65424	5.550308	5.588176	6.268685	6.224465	6.290363	6.347048	6.285244	6.226676	6.154943	6.128608	6.086777
TARS2	ENSG0000	-0.61109	5.828909	-10.7559	3.93E-09	3.09E-07	11.16364	6.34754	6.285444	6.269099	5.558653	5.510796	5.425089	5.665257	5.609584	5.693539	6.211081	6.19389	6.27789	5.726906	5.831329	5.791038	5.705599	5.631703	5.663916
CGN	ENSG0000	0.023358	4.347075	0.249543	0.80585	0.865916	-7.31353	1.861169	1.883052	2.138168	2.325974	2.03796	2.374422	1.074544	1.001115	0.735084	7.36861	7.367869	7.3925	8.037584	7.99036	8.012426	7.483681	7.467864	7.500876
SNX27	ENSG0000	-0.0475	5.910676	-0.72014	0.480957	0.599942	-7.10814	5.677569	5.683061	5.776322	5.833796	5.763816	5.807161	5.722633	5.907876	5.770134	6.262665	6.354561	6.183609	5.919119	5.978961	5.858632	6.154943	6.063691	6.120193
SETDB1	ENSG0000	-0.29704	6.306313	-4.75391	0.000171	0.001156	0.200031	6.276368	6.279197	6.207222	6.046662	5.868245	5.97285	6.037254	5.970398	6.074452	6.658034	6.658331	6.679134	6.740096	6.682652	6.707871	6.308363	6.343173	6.346593
ADAMTSL4	ENSG0000	1.402181	2.627966	3.741032	0.001561	0.006663	-1.11349	5.082524	5.181722	5.180147	4.299384	4.537243	4.407292	6.673707	6.476718	6.51187	0.669294	0.583785	0.683459	1.420179	1.357245	1.247156	1.250674	1.2488	0.872651
MCL1	ENSG0000	0.580404	9.156258	7.237716	1.18E-06	2.45E-05	5.091461	9.048215	9.032641	8.993971	9.057311	8.97879	9.010002	9.781511	9.837485	9.777816	8.84202	8.80899	8.813267	9.061734	9.081803	9.078953	9.206145	9.209663	9.24045
CTSK	ENSG0000	0.239965	1.544874	1.547328	0.139699	0.231446	-5.16904	1.642349	1.591918	1.921989	2.255624	2.366112	2.429135	1.917967	1.809233	2.005764	1.964162	1.989662	1.696985	1.935792	1.921808	2.34809	2.095813	2.006592	1.910335
RFX5	ENSG0000	0.021614	5.915085	0.158112	0.876181	0.917269	-7.34242	5.897683	5.747832	5.878573	5.881294	5.773069	5.711078	6.190001	6.032872	5.937239	5.786747	5.846135	5.755256	6.473351	6.417562	6.537033	5.623057	5.709209	5.722348
PI4KB	ENSG0000	0.044756	7.120063	0.748925	0.463863	0.583743	-7.21787	6.992802	6.911487	6.914283	6.815537	6.909054	6.859464	6.983449	6.953928	6.956274	7.271226	7.216969	7.156919	7.555561	7.487931	7.539702	7.323282	7.252399	7.255472
PIP5K1A	ENSG0000	-0.28693	7.54006	-6.07195	1.10E-05	0.000138	2.880953	7.970118	7.890239	7.898865	7.158094	7.1718	7.127937	7.547046	7.66493	7.601801	7.789554	7.746115	7.806672	7.307288	7.28902	7.324748	7.524625	7.468421	7.580114
ANP32E	ENSG0000	0.118649	6.706287	1.738904	0.099634	0.178232	-6.00079	6.795549	6.901354	6.778276	6.641983	6.732159	6.707287	6.938751	7.117814	6.979311	6.77515	6.819534	6.763989	6.17108	6.172221	6.168399	6.807378	6.825388	6.878664
MINDY1	ENSG0000	0.515969	3.767916	7.492909	7.40E-07	1.69E-05	6.039035	2.296082	2.332462	2.221741	3.619685	3.457132	3.419122	3.004565	3.160038	2.915195	4.295234	4.463628	4.472706	5.343978	5.428064	5.433027	4.787047	4.874338	4.810842
ANXA9	ENSG0000	-0.94323	2.53466	-8.26597	1.90E-07	5.88E-06	7.416369	1.475543	1.327092	1.453818	1.022291	1.164793	0.909432	0.548589	1.082132	1.01237	5.060666	5.000678	5.103452	5.714599	5.77969	5.766693	4.213151	4.071361	4.197255
SELENBP1	ENSG0000	0.151301	5.41569	0.787776	0.441381	0.562207	-6.93141	5.064268	5.164879	5.11242	5.927278	6.046703	6.035905	6.017329	6.012346	6.01011	5.489676	5.444072	5.468994	5.202303	5.203748	5.210438	4.874113	4.933671	4.914724
CERS2	ENSG0000	-0.21064	8.714164	-4.33512	0.000424	0.002361	-0.89748	8.993791	8.974625	9.007035	8.756633	8.696245	8.706862	8.990365	8.91232	8.937206	8.84323	8.718114	8.802889	8.446809	8.436776	8.433024	8.431632	8.385634	8.446504
ENSA	ENSG0000	0.021924	7.81272	0.55006	0.589239	0.693827	-7.41044	7.570464	7.565847	7.532936	7.522532	7.542963	7.565093	7.702186	7.718973	7.727975	8.14445	8.074202	8.115369	7.932874	7.968951	8.016217	8.016444	8.034924	7.99707
LSP1P4	ENSG0000	0.569543	2.431884	3.772761	0.001456	0.006293	-1.24471	2.461454	2.37994	2.300736	2.103714	2.03796	2.481849	2.607661	2.481727	2.408535	2.650221	2.469748	2.510098	3.388755	3.38415	3.299771	3.366734	3.069818	3.135595
SEMA6C	ENSG0000	0.101789	0.633603	0.510612	0.616011	0.716993	-5.98504	0.882475	1.226787	0.829201	1.634586	1.666451	1.669505	1.525136	1.001115	1.244857	1.388276	1.228418	1.360915	1.818016	2.250257	1.851631	1.387593	1.16325	1.058313
MRPL9	ENSG0000	-0.4017	6.325317	-6.57584	4.10E-06	6.45E-05	4.001511	6.947703	6.923554	6.944323	6.082665	5.949389	6.027064	6.404611	6.407668	6.468472	6.487853	6.468986	6.505084	5.962555	5.984858	6.048312	6.259014	6.12012	6.204601
ARNT	ENSG0000	-0.135	5.891852	-2.23852	0.038464	0.084259	-5.02814	6.068608	6.043381	5.933314	5.971842	5.970993	6.09843	5.922569	5.888297	5.788664	5.855556	5.826337	5.710877	6.138693	6.15271	6.092077	5.674151	5.68063	5.687573
POGZ	ENSG0000	-0.26895	6.295554	-4.92208	0.000119	0.000869	0.576249	6.627923	6.661876	6.672095	6.206709	6.191762	6.274964	6.316513	6.339273	6.365259	6.418071	6.371473	6.244398	6.314799	6.13691	6.163434	6.185787	6.075448	6.095646
C1orf56	ENSG0000	0.326775	3.05394	3.368197	0.003538	0.012764	-2.14434	2.833249	2.853456	3.075109	3.815786	3.457132	3.523386	3.370387	3.250449	3.357206	2.804042	2.889287	2.796562	3.675081	3.695921	3.665494	3.143207	3.009816	2.896697
OAZ3	ENSG0000	-0.64017	1.017786	-4.27455	0.000484	0.002627	0.014326	1.791852	1.978677	1.888281	1.182548	1.556428	1.475193	1.240874	1.15884	1.314712	2.078238	1.851833	1.820066	1.733794	1.766169	1.51998	1.512637	1.513652	1.877799
HORMAD1	ENSG0000	-0.24735	3.200452	-1.67291	0.112149	0.195369	-5.51825	3.672523	3.61855	3.726899	2.518519	2.333126	2.402038	3.352323	2.848856	2.530983	3.857636	3.793073	3.7997	3.46257	3.606961	3.548512	3.848182	3.793856	3.897964
GOLPH3L	ENSG0000	0.53325	4.804136	9.439078	2.80E-08	1.41E-06	9.25993	3.65311	3.920993	3.995797	4.881362	4.752128	4.884435	4.185161	4.273815	4.093134	4.893087	4.950911	4.825955	5.91554	5.940035	5.942167	5.46375	5.489561	5.475641
GABPB2	ENSG0000	-0.01641	4.249081	-0.16669	0.869527	0.912315	-6.98909	4.855064	4.774231	4.835673	4.733909	4.621619	4.814227	4.779054	4.722281	4.795267	4.14101	4.077032	4.054926	3.640803	3.410675	3.361763	4.098126	4.035699	4.203832
DTL	ENSG0000	-0.31353	4.954865	-1.38376	0.183851	0.285721	-6.25807	6.372979	6.437637	6.437331	4.982834	5.124043	5.1639	5.967764	6.004573	5.926124	5.286319	5.340512	5.317056	2.385571	2.169719	2.220059	5.15875	5.222451	5.236778
DYRK3	ENSG0000	0.001368	2.675019	0.008779	0.993095	0.995191	-6.52341	3.397161	3.370829	3.176339	3.80351	3.89028	3.888069	3.632324	3.40015	3.323715	2.338465	2.604605	2.396013	2.129525	2.269709	2.161508	2.400938	2.233409	2.091498
EIF2D	ENSG0000	-0.39869	5.991624	-4.57705	0.000251	0.001552	-0.1018	7.03466	7.041741	6.907989	6.34865	6.173243	6.278694	6.659086	6.607341	6.701455	5.645844	5.620676	5.612134	5.366878	5.347976	5.453507	5.17303	5.198461	5.144062
INTS7	ENSG0000	0.040527	6.336964	0.680372	0.505183	0.620998	-7.16055	6.905257	6.777189	6.782869	6.699426	6.606662	6.765586	7.045194	7.024809	6.994023	6.065146	6.051607	6.079658	5.565727	5.637204	5.616767	5.951842	5.903094	5.946753
VASH2	ENSG0000	0.54087	1.093917	2.941713	0.008922	0.026541	-2.7292	0.947665	1.002471	1.028027	1.978268	1.556428	1.575618	1.525136	1.549165	1.314712	1.98771	1.875739	1.951531	1.797417	1.921808	1.851631	2.135245	2.37332	2.119598
TAF1A	ENSG0000	-0.4325	3.778664	-3.82206	0.001306	0.005791	-1.39931	4.564268	4.501192	4.48731	3.562554	3.6964	3.18484	3.853933	3.856799	3.867685	4.125171	3.947677	4.067404	3.778549	3.357127	3.586098	3.768919	3.735773	4.022248
SMYD2	ENSG0000	0.058247	4.93918	0.653586	0.521885	0.636024	-6.96728	5.233934	5.334134	5.267957	4.892995	4.905853	4.814227	5.188389	5.327507	5.026224	4.703453	4.815334	4.684621	4.881128	4.988782	4.950015	4.934035	4.940116	4.886383
SUSD4	ENSG0000	0.516702	-0.71186	3.364346	0.003568	0.012853	-1.96434	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	2.320032	2.320972	2.16783	3.741287	3.666873	3.734067	2.432936	2.854728	2.830235
DUSP10	ENSG0000	-0.9803	4.915888	-10.397	6.60E-09	4.70E-07	10.69715	4.605251	4.589672	4.537101	4.072648	3.912781	4.138446	3.178682	3.141256	3.557782	6.211081	6.159004	6.234289	6.414544	6.37666	6.418067	5.371825	5.375316	5.365554
HHIPL2	ENSG0000	0.702115	0.548373	1.905479	0.073303	0.140274	-4.33753	3.836399	4.080378	3.845818	4.525489	4.352066	4.447604	4.544628	4.569092	4.606245	0.34397	0.106501	0.288049	0.171976	0.106501	0.263213	0.257084	0.358227	0.315289
TP53BP2	ENSG0000	-0.63702	6.085851	-9.44429	2.78E-08	1.41E-06	9.165177	6.992802	6.972771	6.95046	6.229828	6.308788	6.317278	6.148732	6.214549	6.06688	6.05264	5.956734	5.975375	5.717343	5.67599	5.671993	5.605616	5.491756	5.607985
ATP8B2	ENSG0000	0.867368	3.740752	5.169863	7.05E-05	0.000576	1.542764	2.27083	2.283367	2.469799	4.63346	4.493129	4.427589	3.277716	3.318907	3.406029	3.651939	3.907656	3.754117	4.856446	4.80769	4.769032	4.406844	4.534411	4.433851
ADAM15	ENSG0000	-0.02442	8.643916	-0.19588	0.846966	0.896702	-7.59185	8.575424	8.565597	8.625254	9.056664	9.207868	9.059615	8.451979	8.38193	8.39858	8.64807	8.542337	8.646914	8.488969	8.375815	8.454775	8.735323	8.739968	8.703353
JTB	ENSG0000	0.110908	7.213445	2.061384	0.054463	0.110897	-5.49899	7.233196	7.281716	7.284323	7.562237	7.589971	7.589319	7.320739	7.268217	7.304151	6.970249	6.921387	7.025066	7.052475	7.070759	7.092449	7.219326	7.155346	7.083354
RAB13	ENSG0000	0.503889	6.510476	6.823838	2.55E-06	4.54E-05	4.514964	6.693532	6.675021	6.607531	7.341213	7.285011	7.325645	7.243211	7.359411	7.358911	5.610256	5.535075	5.592123	6.386372	6.397808	6.418067	5.878217	5.876461	5.930982
TPM3	ENSG0000	-0.25959	9.191655	-4.37346	0.00039	0.002209	-0.85386	9.327122	9.330803	9.319742	8.736192	8.745651	8.697838	8.909284	8.891046	8.917696	9.520084	9.48535	9.472656	9.298541	9.359218	9.359581	9.328005	9.376496	9.421178
SNAPIN	ENSG0000	0.123968	5.857461	2.017082	0.059315	0.118704	-5.4236	5.810559	5.871329	5.774017	5.924447	5.888253	5.894815	6.020192	5.824975	5.978177	5.615934	5.665936	5.827947	6.152952	6.076066	6.072348	5.829467	5.883166	5.785098
SLC27A3	ENSG0000	0.65395	1.517667	4.806474	0.000153	0.001058	0.96545	0.503316	0.661886	0.512639	1.256461	1.612488	1.055701	0.782422	0.824004	1.445026	2.966925	3.013005	2.974933	3.830164	3.806595	3.86826	3.6717	3.511821	3.228839
UBAP2L	ENSG0000	-0.0146	8.399941	-0.50121	0.622474	0.722547	-7.47827	8.14794	8.21055	8.203412	8.12886	8.113356	8.122892	8.238076	8.135531	8.209818	8.739117	8.698771	8.666013	8.590677	8.519332	8.550811	8.639594	8.6656	8.698994
SLC39A1	ENSG0000	0.233137	7.932587	4.016098	0.000853	0.004118	-1.55317	7.794644	7.810721	7.799227	7.701062	7.773288	7.749725	8.099427	8.105565	8.110821	7.840155	7.864337	7.873626	8.098578	8.094585	8.094266	8.061916	8.058439	7.966453
HAX1	ENSG0000	-0.13375	7.307713	-2.39953	0.027808	0.065228	-4.90298	7.830192	7.801488	7.805449	6.97865	6.955853	7.042781	7.675192	7.715009	7.694792	7.358485	7.258474	7.425588	6.820775	6.881444	6.863668	7.251643	7.179377	7.174073
CREB3L4	ENSG0000	0.059814	3.727463	0.452457	0.656505	0.752321	-6.8698	3.623492	3.516026	3.707702	3.123142	3.170134	3.247073	3.137083	3.250449	3.218306	4.125171	4.040487	4.003908	4.731716	4.714951	4.677975	4.285035	4.372311	4.249053
EFNA3	ENSG0000	1.192664	2.120111	8.163568	2.27E-07	6.65E-06	7.213525	1.927307	2.068355	2.351095	2.933382	3.093416	3.247073	3.296733	3.26787	3.357206	1.865926	1.777644	1.585733	2.009285	2.127698	2.036756	2.300453	2.354144	2.610232
KCNN3	ENSG0000	0.12186	-0.8644	0.287928	0.776788	0.843406	-5.83891	2.90065	2.935191	2.933559	1.978268	2.398361	2.029614	3.050103	2.938616	3.044176	0.106501	0.106501	0.16959	0.234608	0.106501	0.263213	0.106501	0.19538	0.106501
C1orf43	ENSG0000	-0.1098	8.911769	-3.05366	0.007012	0.021897	-3.69359	9.175919	9.179068	9.139414	8.889969	8.906003	8.879178	9.160923	9.151073	9.159343	8.922116	8.880147	8.944057	8.64483	8.655411	8.651971	8.708818	8.718573	8.70132
GATAD2B	ENSG0000	-0.23597	5.370647	-4.76918	0.000166	0.001127	0.362125	5.263039	5.211553	5.264677	5.250376	5.217382	5.257578	5.026946	5.268148	5.188519	5.689578	5.771644	5.675994	5.677036	5.694099	5.703115	5.357309	5.382432	5.420236
ILF2	ENSG0000	-0.33219	8.684359	-8.28185	1.85E-07	5.78E-06	7.014385	8.812628	8.749966	8.727083	8.287121	8.268619	8.239895	8.265483	8.307543	8.281349	9.132324	9.129177	9.133608	8.739149	8.766123	8.768531	8.934963	8.932044	8.909539
RIT1	ENSG0000	0.191959	6.00427	1.02963	0.317223	0.437006	-6.80326	6.54214	6.52074	6.649636	6.049263	6.018451	6.111035	7.105753	7.0702	7.159779	5.504036	5.467858	5.413061	5.707717	5.813217	5.602165	5.297735	5.126826	5.374327
INTS3	ENSG0000	-0.1611	6.865746	-3.61696	0.002051	0.008225	-2.33447	7.431384	7.470374	7.476633	6.907307	6.834408	6.927555	7.224713	7.172025	7.175119	6.68889	6.771763	6.677778	6.406915	6.356335	6.324432	6.718492	6.641881	6.614364
HCN3	ENSG0000	-0.12895	2.509887	-1.46955	0.159455	0.256652	-5.51754	2.833249	2.71221	2.720234	2.933382	2.970101	2.805104	2.667326	2.777669	2.560038	2.777267	2.946841	2.693003	2.67247	2.657091	2.782986	2.625227	2.649824	2.742606
C1orf131	ENSG0000	-0.37604	4.573111	-5.8245	1.82E-05	0.000202	2.774601	5.376881	5.39028	5.281005	4.97738	4.842803	4.951383	4.980658	4.877874	4.801363	4.313985	4.335892	4.375708	4.264669	4.154036	4.25646	4.103106	4.023613	4.170642
GALNT2	ENSG0000	0.398341	7.747608	5.530711	3.32E-05	0.000323	1.78189	8.150971	8.160873	8.163899	8.650974	8.661373	8.653288	8.776728	8.669316	8.704926	6.687093	6.715747	6.747929	7.393022	7.249767	7.429779	7.007899	6.940749	6.838017
TTC13	ENSG0000	-0.28654	4.905173	-4.28455	0.000474	0.002583	-0.59359	5.465799	5.533626	5.56323	5.147291	5.034541	5.131272	5.286782	5.132077	5.252213	4.905504	4.976009	4.947938	4.241981	4.429515	4.119623	4.739863	4.576385	4.731125
SCCPDH	ENSG0000	0.377033	7.168567	1.818266	0.086204	0.159	-5.79404	8.404195	8.436468	8.375985	9.178716	9.02115	9.100748	9.313434	9.33329	9.350238	5.788424	5.693098	5.849781	5.289704	5.388576	5.330457	5.280253	5.018332	5.233567
LYST	ENSG0000	-0.06985	4.925617	-0.9025	0.379059	0.501201	-6.74431	4.527427	4.574447	4.579961	5.218368	5.185395	5.280077	4.402637	4.221128	4.467457	4.886838	5.05665	4.72456	6.034731	5.860486	5.889024	4.936827	4.92395	4.810842
MAP3K21	ENSG0000	-0.48979	4.210317	-5.10381	8.11E-05	0.000644	1.357189	5.331806	5.328095	5.3383	4.863733	4.842803	4.960699	4.6445	4.765849	4.527529	3.825326	3.896014	3.848714	3.266686	3.487446	3.404467	3.762638	3.595851	3.68882
CEP170	ENSG0000	0.082087	5.153817	1.646743	0.117472	0.202609	-5.82981	5.838758	5.809819	5.867803	5.935739	6.021043	6.057773	6.031589	6.040494	5.900795	4.386642	4.487097	4.405499	4.595172	4.525683	4.492489	4.374256	4.432969	4.416967
ACP1	ENSG0000	-0.17657	7.181754	-4.43941	0.000338	0.001973	-0.55639	7.809517	7.785599	7.792409	7.253686	7.283933	7.285434	7.595845	7.621546	7.627762	6.998778	6.932114	7.007906	6.661776	6.684465	6.692445	6.834582	6.805231	6.790741
SNAP47	ENSG0000	0.069472	5.53106	1.211296	0.241906	0.354362	-6.55051	5.768329	5.680694	5.741349	5.55133	5.661235	5.683212	5.946849	5.692556	5.757647	5.371579	5.231258	5.403251	5.514586	5.430226	5.4817	5.457931	5.370553	5.394592
SRP9	ENSG0000	0.022902	7.826387	0.702386	0.491688	0.609194	-7.29691	8.191065	8.16257	8.181401	8.064088	8.003647	8.003466	8.218265	8.28419	8.271501	7.596297	7.613783	7.563005	7.354322	7.407899	7.405807	7.492248	7.554417	7.628584
NVL	ENSG0000	-0.20097	5.345101	-2.88713	0.010028	0.029171	-3.66762	6.157402	6.198738	6.117333	5.647184	5.435093	5.414959	5.767627	5.783182	5.788664	5.101711	5.022258	5.056239	4.818614	4.736081	4.705559	5.141909	5.006099	5.004109
SDE2	ENSG0000	-0.33818	5.922336	-4.86363	0.000135	0.000964	0.518893	6.705361	6.717223	6.683194	6.294854	6.310908	6.313648	6.424199	6.563926	6.521134	5.896563	5.789058	5.836477	5.092452	4.956139	4.920894	5.351042	5.356168	5.353773
DEGS1	ENSG0000	0.184236	6.73412	2.061984	0.0544	0.110825	-5.37542	8.029666	8.024209	7.973095	8.176642	8.058914	8.061441	8.199442	8.277218	8.251046	5.542307	5.467858	5.570371	4.933985	5.05754	5.074241	5.539185	5.670976	5.687573
FBXO28	ENSG0000	-0.17496	6.71738	-4.09438	0.000718	0.003577	-1.27859	7.062519	7.05277	7.086729	6.745073	6.553955	6.71694	6.917408	7.03502	6.954907	6.755564	6.766977	6.738857	6.369899	6.467899	6.411801	6.495177	6.525641	6.513403
ARF1	ENSG0000	0.146657	9.11181	4.810249	0.000152	0.001052	0.127466	9.487281	9.492761	9.486715	9.462051	9.524199	9.427579	9.703501	9.619652	9.681536	8.682072	8.600653	8.739651	8.62998	8.580482	8.583003	8.802308	8.794555	8.765528
CNIH4	ENSG0000	-0.17109	5.948993	-3.14326	0.005776	0.018916	-3.23484	6.695905	6.590513	6.560152	5.996317	6.031362	6.033699	6.380303	6.478589	6.421751	5.776643	5.681277	5.757825	5.372111	5.516205	5.457569	5.566486	5.578995	5.637437
ITPKB	ENSG0000	0.581821	2.653264	4.345469	0.000415	0.002317	-0.04663	1.642349	1.744817	1.744977	2.955742	3.151334	3.216292	2.226405	2.568641	2.047395	2.978724	3.146729	3.018425	3.773284	3.813238	3.849837	3.617041	3.422593	3.410407
GUK1	ENSG0000	0.293924	7.256003	6.566998	4.17E-06	6.51E-05	3.915066	7.191752	7.145835	7.320316	7.531863	7.712864	7.463907	7.503718	7.42494	7.483567	6.855742	6.831807	6.916032	7.297695	7.252825	7.26459	7.282155	7.174603	7.131584
CDC42BPA	ENSG0000	0.116663	5.908199	2.212533	0.040504	0.087942	-4.962	6.962565	7.080876	7.128833	7.394362	7.465173	7.513015	7.154781	7.282216	7.211053	4.541844	4.634494	4.472706	4.750591	4.827513	4.829829	4.522885	4.592839	4.627304
C1orf35	ENSG0000	-0.27587	4.771404	-2.87002	0.010402	0.030008	-3.60215	5.544295	5.559632	5.565897	4.59836	4.933626	4.78306	4.968851	5.112925	5.126746	4.493314	4.623947	4.750584	4.334248	4.459468	4.333621	4.563199	4.736746	4.399883
MBOAT2	ENSG0000	0.185333	5.977078	1.451154	0.164449	0.262466	-6.36201	4.088441	4.177623	4.242513	5.320976	5.419464	5.500479	4.321396	4.307901	4.189248	7.219331	7.317485	7.232734	7.547873	7.486893	7.550676	7.519978	7.372215	7.447836
PARP1	ENSG0000	-0.10387	8.000238	-3.11084	0.006196	0.019998	-3.50861	8.483274	8.531839	8.474398	8.139277	8.135049	8.174345	8.33899	8.423817	8.333287	7.795404	7.717877	7.79265	7.587032	7.544421	7.55826	7.662163	7.683411	7.736859
PSEN2	ENSG0000	-0.20565	4.15641	-2.59291	0.018667	0.047631	-3.93774	5.307177	5.272573	5.116065	5.031013	5.024245	5.068031	4.845133	4.917048	4.967798	3.64455	3.455132	3.406715	3.442811	3.233802	3.335521	3.574643	3.440885	3.455199
PYCR2	ENSG0000	-0.36243	5.291617	-6.7536	2.92E-06	4.97E-05	4.525518	6.355069	6.253935	6.219134	5.762655	5.850871	5.862876	5.750487	5.824975	5.851705	4.889966	4.869913	4.791271	4.577158	4.615839	4.62479	4.640597	4.613145	4.646745
LBR	ENSG0000	0.818972	6.08963	5.276595	5.64E-05	0.000481	1.377279	5.682365	5.666404	5.746061	6.699426	6.575269	6.63203	6.977569	7.0312	6.913294	5.786747	5.754018	5.765503	5.533393	5.464391	5.491637	6.094959	6.056295	6.161326
WNT9A	ENSG0000	0.038731	3.773563	0.337339	0.739879	0.817014	-7.24815	2.051128	1.915637	2.194417	1.457877	1.612488	1.422231	0.782422	0.824004	0.833554	6.986411	6.932114	7.062426	6.547695	6.429501	6.503049	7.222762	7.140733	7.05635
EPHX1	ENSG0000	0.117103	8.266902	0.862222	0.400241	0.521845	-7.17772	8.203212	8.25897	8.19482	9.515006	9.526252	9.398098	8.754978	8.701726	8.717473	7.766766	7.694545	7.807912	8.018521	7.984485	7.975019	7.438095	7.476756	7.467785
SOX13	ENSG0000	-0.5499	4.855509	-3.15921	0.005579	0.018382	-3.06613	5.738706	5.776943	5.882858	4.181007	4.258538	4.079806	4.402637	4.405576	4.770621	5.136363	5.21026	5.156974	4.667899	4.541772	4.705559	5.170659	5.098298	5.187851
ETNK2	ENSG0000	0.665227	2.210916	4.551491	0.000265	0.001617	0.419548	1.791852	1.591918	2.018628	2.181668	1.864131	1.956998	1.70672	1.605065	1.918715	2.409929	2.632935	2.745712	3.730461	3.717329	3.837423	3.366734	3.503143	3.254409
PPFIA4	ENSG0000	0.776797	0.105807	3.076343	0.006676	0.021174	-2.33484	0.667115	1.226787	0.964748	1.104644	0.730585	1.055701	1.160105	1.491012	1.38134	1.116489	1.435603	0.683459	0.745413	0.837535	1.002253	1.320757	1.581179	1.416439
PLEKHA6	ENSG0000	-0.43562	3.669079	-2.71825	0.014354	0.038742	-3.82191	3.071243	2.982098	2.966237	3.20008	3.053471	3.168853	2.102195	2.108984	1.314712	5.257549	5.314511	5.258407	4.750591	4.780828	4.719156	4.988878	5.089629	5.011626
ARL8A	ENSG0000	0.057284	5.26564	0.454519	0.65505	0.751258	-7.06598	6.042734	6.048899	6.122779	5.974582	6.051781	5.801988	6.103549	5.935393	6.171778	4.232554	4.374156	4.358889	4.998573	4.968095	5.006551	4.46216	4.486784	4.433851
OSR1	ENSG0000	0.726055	-0.04231	2.555861	0.020162	0.050647	-3.20951	2.461454	2.61635	2.351095	2.518519	2.460774	2.481849	3.219115	3.178579	3.064594	0.269074	0.185134	0.288049	0.234608	0.345231	0.470356	0.183756	0.433238	0.315289
PDIA6	ENSG0000	0.512706	9.18571	7.576342	6.36E-07	1.52E-05	5.73314	9.168674	9.178858	9.142322	9.765556	9.624309	9.685119	9.65205	9.713235	9.697967	8.672114	8.682768	8.670109	8.7356	8.750849	8.73567	9.188242	9.147151	9.180229
RHOB	ENSG0000	-0.53328	8.612686	-6.85074	2.43E-06	4.36E-05	4.408388	10.0515	9.990272	10.07002	9.421709	9.546179	9.392946	9.560361	9.428591	9.58964	7.765915	7.726119	7.911607	7.682447	7.647457	7.599737	7.371032	7.207696	7.154684
HNRNPLL	ENSG0000	0.089628	5.341097	1.031967	0.316157	0.435853	-6.73732	4.688657	4.706012	4.58523	5.325276	5.514478	5.414959	4.944941	4.981823	4.912549	5.818282	5.634754	5.705565	5.777742	5.912457	5.852476	5.712133	5.629711	5.708538
GALM	ENSG0000	-1.01187	3.506965	-14.9002	2.26E-11	6.87E-09	16.32918	2.392887	2.674627	2.5366	2.103714	2.155834	2.029614	2.226405	2.220554	2.087859	5.710958	5.631248	5.681416	5.102982	5.128506	5.156493	4.681127	4.559742	4.59264
CAMKMT	ENSG0000	0.12854	2.605898	1.048616	0.30864	0.428289	-6.05868	2.884092	3.182839	2.830836	3.103249	2.549605	2.825643	3.352323	3.083395	2.892531	2.708071	2.727926	2.920951	2.504718	2.612083	2.276326	3.083983	2.741225	2.778299
EML4	ENSG0000	0.065167	7.136368	1.522356	0.145807	0.239089	-6.36362	6.719429	6.743552	6.712382	7.033552	6.982688	7.054792	6.920476	6.987177	6.88917	7.381446	7.419605	7.360749	7.457216	7.512121	7.461472	7.344992	7.324983	7.342244
CALM2	ENSG0000	-0.08289	9.333321	-1.59771	0.128029	0.216492	-6.40848	9.486596	9.487183	9.435852	9.108104	9.03756	9.089911	9.279183	9.33639	9.291087	9.501801	9.398417	9.326109	9.300486	9.366717	9.384727	9.332252	9.404146	9.475019
CHAC2	ENSG0000	-0.06025	3.830005	-0.63817	0.531635	0.644542	-6.79896	4.006674	3.838426	3.819232	3.77864	3.033076	3.485165	4.000319	3.82184	3.844255	4.652797	4.269773	4.418544	3.587808	3.710228	3.517722	4.37837	4.283876	4.38838
RPS27A	ENSG0000	0.027363	9.491505	0.858693	0.402133	0.523881	-7.28336	9.779491	9.792835	9.714169	9.692128	9.673728	9.689152	9.726035	9.827973	9.794721	9.316779	9.275063	9.208867	9.101661	9.195498	9.195096	9.23819	9.29494	9.36873
WDPCP	ENSG0000	0.329197	1.764581	1.783428	0.091891	0.167067	-4.87675	2.345296	2.179863	1.706811	2.291228	1.996426	2.064596	2.724622	2.290412	2.165532	2.01088	1.827525	1.73919	2.602951	2.269709	2.382676	1.948641	1.981819	2.277588
VPS54	ENSG0000	0.031681	5.467784	0.34767	0.73224	0.810877	-7.20578	5.397444	5.37864	5.254791	6.059623	5.87112	6.020397	5.510962	5.606164	5.493457	5.473087	5.456014	5.341234	5.430131	5.397445	5.426825	5.319295	5.329416	5.262209
ASXL2	ENSG0000	-0.09778	6.466742	-1.29718	0.211432	0.318871	-6.59281	6.336934	6.307097	6.382396	6.554953	6.315137	6.615906	6.53044	6.407668	6.4988	6.703185	6.827983	6.627403	6.420449	6.438123	6.456118	6.439169	6.402712	6.440088
ETAA1	ENSG0000	0.073259	4.120141	0.825932	0.419974	0.541477	-6.61551	3.919992	4.021717	4.095173	4.562385	4.621619	4.622128	4.462805	4.373746	4.296723	4.054455	4.066685	4.083875	4.147483	4.312477	4.324754	3.848182	3.903444	3.969186
SNRPG	ENSG0000	-0.04588	6.438172	-1.24046	0.231201	0.342093	-6.66867	6.54214	6.528661	6.539942	6.13993	6.091772	6.184435	6.497944	6.457866	6.413815	6.66991	6.58319	6.620363	6.309353	6.36879	6.425343	6.657168	6.55952	6.606939
MEIS1	ENSG0000	0.556035	1.48207	4.066656	0.000763	0.003758	-0.52573	1.18244	0.940485	0.756332	1.74141	1.307481	1.367251	1.389995	1.430416	1.38134	2.461296	2.687979	2.355887	2.717023	3.120528	2.918805	3.032701	2.799093	2.778299
CIAO1	ENSG0000	-0.04844	7.485718	-1.17896	0.254217	0.368906	-6.83951	7.414188	7.447575	7.441476	7.106565	7.135191	7.156592	7.252981	7.291828	7.308438	7.727967	7.691181	7.700195	7.652653	7.648851	7.690104	7.778413	7.744517	7.705337

ZNF514	ENSG0000	0.144686	3.364512	1.5252	0.1451	0.23826	-5.71191	2.933205	2.76681	2.423483	3.392671	3.260629	3.432575	2.981245	3.214961	3.199964	3.772076	3.958911	3.707046	4.203356	4.298341	4.25646	3.871719	3.675254	3.87342
SNRNP200	ENSG0000	-0.17358	9.001338	-3.94659	0.000993	0.004654	-1.77867	9.072166	9.02169	9.058614	8.640228	8.693811	8.700273	8.807302	8.738509	8.760741	9.256716	9.274501	9.171307	9.171985	9.088151	9.152356	9.17352	9.131398	9.163667
MRPS5	ENSG0000	-0.11643	6.360933	-2.17805	0.043364	0.092765	-5.21337	6.860467	6.829428	6.854442	6.354972	6.196355	6.34422	6.623754	6.533639	6.62102	6.29959	6.177154	6.312371	6.034731	5.94458	5.999005	6.257897	6.293708	6.290535
TPRKB	ENSG0000	0.124052	4.789419	1.947617	0.067708	0.131654	-5.42863	4.590018	4.299916	4.553323	4.132759	4.030628	3.848471	4.428731	4.59002	4.482711	5.305186	5.382832	5.395024	5.073302	5.294379	5.231938	5.529969	5.522142	5.544626
EXOC6B	ENSG0000	-0.70825	5.220207	-12.2509	5.21E-10	7.07E-08	13.24581	5.409064	5.418975	5.228093	4.96641	4.842803	4.956049	4.637058	4.519046	4.420702	5.913568	6.010359	6.02633	5.445106	5.404061	5.40806	5.348947	5.391866	5.362617
SFXN5	ENSG0000	0.848518	3.613108	4.624671	0.000226	0.00143	0.489574	4.186225	4.094678	4.117166	4.93299	5.194607	5.118843	5.08826	4.933517	5.052019	2.749986	2.604605	2.682227	2.412911	2.326537	2.604018	3.181381	3.297679	3.202807
TEX261	ENSG0000	-0.03689	6.413231	-0.57259	0.574215	0.682228	-7.29238	6.553964	6.644971	6.576119	5.479843	5.518152	5.487647	6.720229	6.542613	6.653397	6.924463	6.880619	6.914882	6.245204	6.082954	6.114114	6.79281	6.828865	6.810269
DUSP11	ENSG0000	-0.12977	4.772243	-1.41203	0.175498	0.276139	-6.19949	4.855064	4.710662	4.772407	4.227693	4.478119	4.506036	4.185161	4.349405	4.189248	5.15208	4.981528	5.199163	5.256131	5.201218	5.215244	5.215041	5.235609	5.171166
NPHP1	ENSG0000	-0.45068	2.579041	-3.07145	0.006747	0.021337	-2.65168	3.385444	3.35903	3.454879	3.123142	2.991399	2.980206	2.637802	2.894433	2.981126	2.263275	2.779525	2.497858	2.902055	2.743101	2.846311	2.334732	2.274787	2.277588
MALL	ENSG0000	0.883186	3.513112	4.849309	0.000139	0.000986	0.877524	2.762544	2.935191	3.013906	3.791129	3.99943	3.991672	3.178682	3.178579	3.357206	3.294134	3.532361	3.585074	3.884887	3.839509	3.767168	4.519164	4.641102	4.370952
THNSL2	ENSG0000	0.003436	3.242887	0.045143	0.964505	0.976783	-6.90502	2.137484	2.308123	2.600444	2.864145	2.948483	2.961768	2.102195	1.85606	2.239236	4.114515	4.147458	4.213027	4.893312	4.869552	4.879111	4.171084	4.221756	4.341429
RALB	ENSG0000	-0.02231	6.364158	-0.22605	0.823787	0.879524	-7.42234	6.176225	6.195425	6.093496	6.030952	6.064398	5.986596	5.885366	5.951655	5.959217	6.891292	6.926403	6.901006	6.250896	6.298326	6.233798	7.036166	6.974103	7.036222
TMEM177	ENSG0000	-0.27095	4.272601	-3.56517	0.002298	0.009028	-2.08479	4.321496	4.312206	4.464617	3.977507	3.923901	3.632327	4.154215	4.060466	3.82044	4.735102	4.658809	4.83328	4.624704	4.54975	4.610269	4.602417	4.559742	4.45606
NT5DC4	ENSG0000	-0.69024	0.09057	-2.64372	0.016788	0.043808	-3.43326	1.069823	0.582935	0.512639	0.258133	0.25478	0.3528	0.106501	0.106501	0.106501	3.047564	3.096753	3.325935	2.371704	2.250257	2.399663	2.990321	2.881762	2.960231
RABL2A	ENSG0000	-0.63121	3.187209	-6.5292	4.49E-06	6.89E-05	4.358632	3.373632	3.58855	3.419917	3.255206	3.053471	3.136338	2.908934	2.777669	3.064594	3.637124	3.748453	3.652879	3.88976	3.644697	3.78667	3.143207	3.160915	2.990979
SLC20A1	ENSG0000	-0.19408	8.107532	-1.15355	0.264217	0.380317	-6.91326	8.629817	8.659974	8.594229	8.074342	8.146961	8.069536	8.438664	8.569233	8.517218	8.526977	8.471549	8.569713	6.678066	6.690792	6.654912	8.269148	8.194706	8.291102
FBLN7	ENSG0000	0.534795	1.155035	3.078362	0.006647	0.021096	-2.43231	1.475543	1.061904	1.62731	1.457877	1.909591	1.575618	1.459147	1.760835	2.087859	1.616888	1.498542	1.49011	2.225168	2.190279	1.947161	1.880661	1.878239	1.81044
ZC3H8	ENSG0000	-0.13459	4.651791	-1.84741	0.081686	0.152866	-5.50413	5.114814	4.949684	5.067946	4.63346	4.318753	4.656929	4.666597	4.802174	4.73921	4.645413	4.682721	4.83328	4.521727	4.509412	4.472558	4.790139	4.776901	4.607598
LIPT1	ENSG0000	0.038488	2.726113	0.315006	0.756487	0.829457	-6.63612	3.114469	2.71221	2.681399	2.518519	2.229385	2.697781	3.004565	2.894433	2.959482	3.047564	3.1855	3.035461	3.02232	3.203781	3.387537	3.094024	3.104657	3.021085
FAHD2B	ENSG0000	0.088918	2.629557	0.513211	0.614229	0.715504	-6.35682	4.014302	4.029182	4.188143	3.456785	3.242978	3.405543	4.045989	4.238905	4.313883	1.891119	1.899254	1.896649	2.178139	1.946191	1.970087	1.833493	1.851139	2.033602
AFF3	ENSG0000	-0.6811	-0.37878	-1.45391	0.163693	0.261758	-4.95369	4.199669	4.256058	4.034833	3.887325	3.546181	3.472196	3.19904	3.550079	3.124172	0.106501	0.106501	0.106501	0.106501	0.106501	0.263213	0.257084	0.106501	0.214669
UBXN4	ENSG0000	0.037844	7.474194	0.936713	0.36167	0.483596	-7.06391	7.806774	7.854971	7.776951	7.990189	7.891291	7.95593	7.887641	7.969775	7.950692	7.020346	7.023225	7.042551	7.186738	7.199943	7.193315	6.918907	6.99978	7.024194
SPOPL	ENSG0000	-0.1262	5.896875	-1.81121	0.08733	0.160654	-5.74506	6.827291	6.89115	6.803361	6.236693	5.986987	6.180453	6.797363	6.723961	6.698191	5.487612	5.389075	5.437298	5.071159	5.117812	5.138897	5.329955	5.287071	5.239981
POLR2D	ENSG0000	0.362953	6.372656	9.845299	1.50E-08	8.82E-07	9.750792	6.274782	6.265041	6.193487	6.333788	6.272275	6.158358	6.573959	6.584928	6.532173	6.341317	6.2759	6.308872	6.2251	6.273249	6.324432	6.716869	6.691425	6.686583
AMMECR1	ENSG0000	-0.21707	6.550177	-2.61628	0.017779	0.045798	-4.41117	7.113125	7.063715	7.100594	6.252583	6.096694	6.221718	6.783948	6.76901	6.714435	6.597143	6.56768	6.555411	6.319321	6.314805	6.309903	6.535341	6.423558	6.455328
GALNT13	ENSG0000	-0.02168	3.964666	-0.29204	0.773696	0.841524	-6.78059	5.517707	5.602793	5.517107	4.910272	4.97698	4.874612	5.498697	5.5324	5.523269	3.155466	3.086546	2.957162	2.357702	2.50126	2.647333	3.16242	3.149837	2.79582
PKP4	ENSG0000	0.0706	6.348693	0.9046	0.377978	0.500329	-7.0152	6.099415	6.102954	6.056036	5.836811	5.893919	5.958972	5.97958	6.040494	5.956488	6.545517	6.584097	6.489715	7.000481	6.925031	6.967003	6.69971	6.731915	6.747502
SCRN3	ENSG0000	0.465088	4.875678	4.913736	0.000121	0.000882	0.781086	4.679091	4.511888	4.394314	5.259393	5.079986	5.179942	5.310366	5.372491	5.346947	4.724629	4.675929	4.660116	4.957386	5.046305	4.961501	4.799373	4.949728	4.771534
LNPK	ENSG0000	0.286707	4.793253	1.549023	0.139293	0.230916	-5.98731	4.635242	4.50655	4.676925	5.325276	5.089893	5.147678	5.203583	5.259465	5.165072	5.038288	5.027603	4.976888	4.041988	4.154036	4.040604	4.969919	5.018332	4.996553
ZNF385B	ENSG0000	0.191374	0.468731	0.848551	0.407603	0.529553	-5.74913	0.742531	0.736739	0.829201	1.74141	1.612488	1.714252	1.074544	0.726566	1.244857	1.423238	1.529011	1.248523	1.573426	1.591687	1.667532	1.286141	1.478665	1.322858
CDCA7	ENSG0000	-0.12727	5.835444	-0.58752	0.564371	0.674459	-7.21404	6.362559	6.307097	6.265822	5.667647	5.586227	5.617001	6.062473	6.214549	5.897954	6.566194	6.462095	6.569369	4.155599	4.13825	4.223448	6.465512	6.609903	6.438695
DLX1	ENSG0000	-0.37862	0.311213	-0.75924	0.45783	0.578502	-5.64433	3.373632	3.260998	3.638424	3.273122	3.867423	3.59692	2.858632	3.141256	2.697131	0.34397	0.398185	0.16959	0.46104	0.190544	0.106501	0.326864	0.504542	0.580851
UBR3	ENSG0000	0.421803	6.187186	5.025158	9.58E-05	0.000734	0.820289	5.958255	6.115281	6.153254	6.530955	6.379154	6.492884	6.742939	6.784223	6.826285	5.970815	6.0278	5.808257	5.930988	5.866886	5.946508	6.081143	6.044381	6.084997
PHOSPHO2	ENSG0000	0.086935	1.347519	0.522652	0.607778	0.709906	-6.1441	1.791852	1.420874	1.818408	1.688986	1.768674	1.919272	1.816207	1.809233	1.674905	1.586365	1.851833	1.653508	2.357702	2.433888	2.497588	1.681967	1.707432	1.81044
GULP1	ENSG0000	-0.00622	5.97811	-0.07031	0.944744	0.964196	-7.33918	6.075916	5.924332	5.999931	6.475936	6.366983	6.499291	6.371361	6.247853	6.327739	5.836229	5.646961	5.824276	6.018135	5.983386	6.0375	5.394346	5.474101	5.536833
FAM171B	ENSG0000	0.372093	3.909043	3.094897	0.006414	0.020496	-3.03251	2.345296	2.49222	2.600444	3.605613	3.295295	3.608819	2.933443	3.122225	3.064594	4.332495	4.529155	4.257266	6.15902	6.147463	6.201469	4.552316	4.755137	4.703543
HSPD1	ENSG0000	0.302999	10.50801	2.354286	0.030485	0.070018	-5.18102	10.57962	10.57532	10.53761	11.23593	11.15718	11.16126	11.04585	11.09354	11.03208	10.23422	10.1819	10.1473	9.769828	9.764231	9.76818	10.27684	10.25465	10.3483
CCDC150	ENSG0000	0.382992	0.846749	1.555903	0.137652	0.22904	-5.05259	1.959273	1.708084	1.818408	1.519216	1.612488	1.757653	2.058296	2.290412	2.274723	1.555182	1.467416	1.585733	0.46104	0.671977	0.651457	1.65509	1.442809	1.942153
METTL21A	ENSG0000	-0.23873	5.369522	-1.9393	0.068781	0.133323	-5.38807	6.606636	6.65827	6.550756	6.585745	6.501105	6.475118	6.273964	6.333079	6.323509	4.707004	4.662249	4.60982	3.870167	3.896925	3.880413	4.591826	4.555551	4.422617
NBEAL1	ENSG0000	-0.14764	3.561355	-1.35091	0.193954	0.297778	-5.89532	3.498536	3.61855	3.500214	4.190466	3.988879	4.379778	3.690999	3.659726	3.498982	3.420635	3.884278	3.360144	3.960951	3.896925	4.035179	3.227721	3.193646	3.340497
KANSL1L	ENSG0000	0.561468	2.532598	3.749831	0.001531	0.006566	-1.25075	2.051128	1.849715	1.78216	3.020814	2.835252	3.445903	2.908934	2.871824	2.748518	2.722179	2.618839	2.546206	3.5452	3.410675	3.445943	2.782512	2.895091	2.687355
SPAG16	ENSG0000	-0.2014	4.015939	-1.85517	0.080519	0.151377	-5.34805	4.117062	4.249682	3.96379	3.827958	3.6964	3.907468	3.733489	3.90213	3.796224	4.098381	4.132653	4.382382	4.571104	4.645922	4.617548	4.083081	4.140146	4.058989
ABCA12	ENSG0000	-0.08634	1.292713	-0.48185	0.635888	0.734606	-6.64506	0.587539	0.499412	1.146821	0.934951	0.389229	1.055701	0.269385	0.253663	0.39151	4.207702	4.14254	3.977706	3.429485	3.495729	3.335521	4.088113	4.07722	4.280507
SUMF1	ENSG0000	-0.1409	4.927437	-2.4748	0.023838	0.057839	-4.34638	5.217507	5.272573	5.152017	5.827747	5.95482	5.830214	5.115291	5.117737	4.973208	4.408616	4.251617	4.385707	5.105079	5.149657	5.168932	4.127753	4.298997	4.274271
RHBDD1	ENSG0000	0.201789	5.187402	1.811956	0.08721	0.160483	-5.62789	5.675165	5.630049	5.705507	5.359221	5.34696	5.37022	5.712047	5.916187	5.860491	4.581075	4.644965	4.60982	5.079714	5.037822	5.047545	4.777733	4.936897	4.844905
HES6	ENSG0000	0.744445	2.759927	3.537989	0.002439	0.009504	-1.74823	2.438959	2.206444	2.248556	3.325575	3.574682	3.472196	3.632324	2.938616	3.528681	2.736149	2.946841	2.893183	2.770846	2.657091	2.743612	3.333216	3.215061	2.896697
ANKMY1	ENSG0000	-0.28249	3.652948	-3.00231	0.007833	0.023925	-3.04809	3.991296	3.750846	4.109872	4.199863	4.231942	4.226032	3.690999	3.578282	3.879258	3.751589	3.767745	3.613714	3.725018	3.576046	3.494191	3.366734	3.404065	3.487904
COPS7B	ENSG0000	-0.2557	5.875597	-5.90327	1.55E-05	0.00018	2.693726	6.201502	6.130976	6.225897	5.67103	5.60362	5.738416	6.034424	6.001973	6.031013	6.119452	6.068559	6.127117	5.692458	5.564254	5.663227	5.791406	5.764723	5.789478
DIS3L2	ENSG0000	-0.27485	4.861898	-5.31284	5.22E-05	0.000455	1.603074	4.888652	4.86879	4.887776	4.619522	4.635214	4.690911	4.591583	4.397684	4.585199	5.27918	5.285805	5.158919	5.239047	5.107039	5.097852	4.964456	5.018332	5.119922
FANCD2	ENSG0000	-0.05107	4.305731	-0.38149	0.707439	0.791831	-7.08592	4.820675	4.756352	4.749122	3.661095	3.574682	3.733615	4.825625	4.976535	4.758139	5.257549	5.200828	5.216073	2.822733	2.784257	2.821313	5.080106	5.027439	5.084719
TAMM41	ENSG0000	-0.56926	3.219276	-4.92199	0.000119	0.000869	1.116449	4.433832	4.389636	4.339244	3.041869	3.260629	3.26222	3.705302	3.84524	3.572114	3.275122	3.330936	3.203153	2.781373	2.863205	2.80865	2.968656	2.813204	2.975687
VGLL4	ENSG0000	0.212045	6.065733	3.358309	0.003615	0.012976	-2.80416	5.792929	5.79457	5.920865	6.320926	6.225857	6.340657	6.100847	6.068104	6.091965	6.059601	5.965115	6.063138	6.091884	6.097994	6.051003	6.236527	6.16345	6.198027
RAB5A	ENSG0000	-0.20869	5.809733	-3.63019	0.001992	0.008062	-2.18861	5.857962	5.78137	5.819438	5.664257	5.677752	5.746517	5.422829	5.412203	5.392079	5.967858	5.936987	6.0621	6.107656	6.201634	6.208716	5.916914	5.930863	5.948712
RETREG2	ENSG0000	0.248853	6.686223	3.414621	0.003196	0.011776	-2.7423	6.298404	6.353919	6.290225	7.180814	7.123181	7.146423	6.912793	6.805256	6.820294	6.449149	6.418004	6.511948	6.995403	7.043474	6.898444	6.49423	6.471059	6.404842
CTDSP1	ENSG0000	0.406756	6.785759	7.669634	5.39E-07	1.32E-05	6.051932	6.324716	6.293215	6.35026	7.003011	7.189185	7.091298	6.721988	6.66929	6.675138	6.597143	6.541766	6.603327	7.109465	7.14439	7.042626	7.00657	7.00363	7.024194
CNOT9	ENSG0000	-0.00727	6.646126	-0.07366	0.94212	0.962638	-7.46415	6.835926	6.812224	6.850072	6.67099	6.610109	6.617379	6.843356	6.853653	6.738463	6.846112	6.882095	6.865722	6.005843	5.973041	5.914363	6.89685	6.865722	6.823142
STK11IP	ENSG0000	-0.15559	5.002059	-1.51874	0.146709	0.240355	-6.042	4.984965	5.198371	5.126945	5.147291	5.342823	5.010886	4.744844	4.9659	4.713579	4.809665	4.948095	4.796278	5.607741	5.508039	5.517157	4.736662	4.822959	4.894538
GMPPA	ENSG0000	0.322758	5.478733	6.106668	1.03E-05	0.000131	3.208973	5.631194	5.654387	5.693359	6.187942	6.069414	6.164417	6.025902	5.893919	6.056723	4.880563	4.790397	4.86698	5.426782	5.265605	5.191054	5.044304	5.135275	5.268497
EAF1	ENSG0000	-0.27444	6.437478	-6.16972	9.09E-06	0.00012	3.167695	6.583748	6.526025	6.504227	6.049263	5.989635	6.072885	6.257073	6.493476	6.338259	6.883468	6.862788	6.872848	6.326528	6.457335	6.392838	6.550916	6.501879	6.523954
DYNC1LI1	ENSG0000	-0.13975	5.943741	-2.1456	0.046222	0.097518	-5.21805	6.35657	6.290111	6.217438	5.762655	5.818465	5.835287	6.068018	6.027768	6.054173	5.933409	5.838552	5.992924	5.784299	5.95963	5.861701	5.873853	5.917862	5.830433
RBMS3	ENSG0000	-0.10632	2.642596	-0.58026	0.569145	0.678183	-6.32911	2.369288	2.332462	2.018628	3.851999	3.988879	3.9455	2.832807	2.938616	2.501332	2.543041	2.766797	2.638296	3.686328	3.666873	3.600863	2.034568	2.054898	2.252429
OSBPL10	ENSG0000	-0.081	4.269439	-0.56538	0.579003	0.685527	-7.01066	3.774862	3.537122	3.755225	3.325575	3.502343	3.535905	2.412257	2.596487	2.471058	5.499947	5.555569	5.565981	5.396285	5.317927	5.384788	5.715389	5.789916	5.659138
POMGNT2	ENSG0000	0.649169	4.072354	8.139758	2.36E-07	6.82E-06	7.199144	3.919992	3.8803	3.987862	4.316764	4.327153	4.337497	4.428731	4.59693	4.633836	3.926269	3.767745	3.886761	3.870167	3.884362	3.793113	4.545014	4.486784	4.299055
GASK1A	ENSG0000	0.053621	-1.63545	0.388199	0.702556	0.787852	-6.06519	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.814181	1.777644	1.46518	1.446877	1.495836	1.550722	1.599785	1.645686	1.58715
CSRNP1	ENSG0000	0.754167	4.383343	7.495569	7.36E-07	1.69E-05	6.009976	4.066597	3.547555	4.02711	4.605448	4.621619	4.427589	4.792514	4.877874	4.825493	4.327889	4.278766	4.268117	4.337818	4.259953	4.419411	4.850615	4.83684	4.827974
SLC25A38	ENSG0000	0.011192	5.401282	0.269988	0.790331	0.854009	-7.23311	5.471352	5.509814	5.47515	5.576799	5.557954	5.532066	5.559008	5.543171	5.56328	5.328427	5.382832	5.337805	5.426782	5.370673	5.299114	5.410507	5.271824	5.236778
GOLGA4	ENSG0000	-0.28864	7.196006	-4.29634	0.000462	0.002531	-0.88267	7.419943	7.432877	7.45377	6.984099	6.931266	7.066704	6.880069	6.991116	6.930084	7.332857	7.435776	7.244686	7.250642	7.288424	7.365306	7.217031	7.208364	7.279023
CTDSPL	ENSG0000	0.388092	4.840919	6.128819	9.86E-06	0.000127	3.294828	4.363907	4.318312	4.242513	4.772209	4.739596	4.908703	4.751751	4.802174	4.613192	4.957113	5.038233	5.016036	5.152484	5.152279	5.193492	5.408497	5.235609	5.417409
STAC	ENSG0000	0.296419	1.27973	1.253912	0.226387	0.336755	-5.94865	1.18244	1.374745	1.146821	0.258133	0.512209	0.461789	0.415731	0.387194	0.39151	3.196464	3.106888	3.38694	4.287006	4.116929	4.199397	3.717885	3.612085	3.831562
IQSEC1	ENSG0000	0.725926	5.127744	11.57168	1.27E-09	1.34E-07	12.35429	4.584905	4.47956	4.537101	4.955356	5.199191	5.135391	5.253102	5.127313	5.155586	4.883704	5.14044	5.079012	5.430131	5.4665	5.326021	5.83696	5.746454	5.747326
RPL32	ENSG0000	0.011561	9.114491	0.315247	0.756307	0.829387	-7.59814	9.13627	9.11606	9.063106	8.933571	8.972779	8.95017	9.114789	9.028987	9.111386	9.240267	9.17731	9.102117	9.111864	9.195816	9.213226	9.1579	9.220457	9.263261
PTPRG	ENSG0000	0.67341	4.659835	7.11637	1.47E-06	2.92E-05	5.344232	4.846543	4.756352	4.758481	5.762655	5.617385	5.837817	5.535185	5.306587	5.416114	3.403229	3.554746	3.451828	4.86637	4.916583	4.681452	4.161567	4.173346	4.044405
IL17RD	ENSG0000	0.082913	2.445593	0.717761	0.482389	0.601213	-6.46724	1.791852	2.068355	2.079636	2.063099	2.193078	1.956998	1.70672	1.367163	1.445026	3.552807	3.455132	3.360144	3.845296	3.927863	3.713835	3.617041	3.636099	3.840032
SHQ1	ENSG0000	0.22282	5.028247	4.590262	0.000244	0.001518	0.009265	4.753899	4.649014	4.691656	4.674482	4.675247	4.735009	4.932837	4.753535	4.945952	5.154683	5.27461	5.383428	5.441792	5.343394	5.386919	5.546516	5.480747	5.515842
SLC25A26	ENSG0000	-0.06456	4.460124	-0.83455	0.415232	0.537162	-6.73633	4.478633	4.538284	4.564038	4.152252	4.447623	4.400463	4.462805	4.59693	4.482711	4.604112	4.588222	4.48516	4.739835	4.763781	4.775553	4.450484	4.504286	4.444998
UBA3	ENSG0000	-0.30201	6.326795	-5.58657	2.96E-05	0.000293	1.975221	6.503368	6.51809	6.4733	5.901593	5.896744	5.914123	5.985453	6.267473	6.162335	6.704962	6.655745	6.702654	6.344388	6.462627	6.410754	6.474188	6.37444	6.467678
ARL6IP5	ENSG0000	0.256735	7.017228	6.692639	3.28E-06	5.40E-05	4.179781	6.703003	6.760469	6.691769	7.20901	7.255606	7.210299	7.074414	7.01065	6.960366	6.765816	6.824149	6.770363	7.396878	7.439373	7.42512	6.988517	7.018932	7.014873
TMF1	ENSG0000	-0.00821	5.804466	-0.13034	0.897786	0.931805	-7.32445	5.434871	5.480165	5.452263	6.183212	6.145011	6.192364	5.448564	5.484771	5.515873	5.852352	5.918406	5.81197	6.184032	6.16834	6.236164	5.747551	5.927624	5.782904
LRIG1	ENSG0000	0.677815	3.350281	4.121526	0.000677	0.003413	-0.56723	3.300651	3.505362	3.668523	4.290615	4.368438	4.358792	4.462805	4.497055	4.556652	3.013555	2.946841	2.735323	2.727949	2.850343	2.942182	2.843302	3.069818	2.975687
LIMD1	ENSG0000	0.529251	5.756305	6.431024	5.44E-06	7.92E-05	3.866804	6.459339	6.346469	6.42416	7.111553	7.03234	7.133096	7.066126	7.023528	6.943927	4.615493	4.662249	4.418544	4.659362	4.837324	4.708971	4.956223	4.881053	4.973643
NFKBIZ	ENSG0000	-0.27033	4.655784	-2.26368	0.036581	0.081058	-4.68267	4.909255	4.929882	4.938064	5.775282	5.687572	5.882614	4.845133	4.819999	4.745547	4.408616	4.443776	4.246333	4.414217	4.442428	4.584502	3.830273	3.955266	4.073428
COL8A1	ENSG0000	0.467854	8.320389	6.476103	4.98E-06	7.43E-05	3.74982	9.941035	9.893523	9.906001	10.97409	10.92949	10.93221	10.3668	10.31477	10.31283	5.834606	5.949713	5.805777	6.50942	6.52668	6.554203	6.373703	6.440703	6.393378
NXPE3	ENSG0000	0.502892	4.427183	4.904485	0.000124	0.000895	0.909862	4.553837	4.677795	4.715879	5.587578	5.521816	5.441817	5.32896	5.412203	5.150819	3.584041	3.7289	3.733386	3.899458	4.005327	3.945482	3.967679	3.786722	4.022248
MYH15	ENSG0000	-0.62029	0.640222	-2.50144	0.022565	0.055364	-3.38782	2.461454	2.425906	2.446827	2.291228	2.85862	2.629332	1.588238	1.760835	1.777424	0.7264	0.89579	0.54756	0.787801	0.938214	0.957066	0.738851	0.504542	0.999041
PHLDB2	ENSG0000	-0.49079	7.004999	-2.01197	0.059899	0.119688	-5.54009	8.081871	8.034445	7.987096	7.283824	7.153021	7.22873	7.205974	7.207443	7.152644	6.227246	6.219803	6.235211	7.307288	7.318504	7.311907	6.177547	6.026323	6.163014
ABHD10	ENSG0000	0.061134	4.878499	1.301639	0.209936	0.317018	-6.30006	5.409064	5.460976	5.455144	5.316663	5.064996	5.183924	5.482179	5.450851	5.515873	4.541844	4.521599	4.536922	4.348478	4.367677	4.288734	4.684453	4.605057	4.525965
RABL3	ENSG0000	-0.05897	4.587052	-0.57116	0.575162	0.683067	-6.92021	4.807565	4.733688	4.950366	5.046722	4.911451	5.203674	4.920629	4.87219	4.782996	4.476768	4.580969	4.621149	4.093589	4.293598	4.14503	4.526597	4.288934	4.433851
ATG3	ENSG0000	0.303919	5.467082	4.656048	0.000211	0.001354	0.094293	5.064268	5.147837	5.148462	5.396478	5.114368	5.253794	5.590171	5.492201	5.779429	5.587318	5.570294	5.565981	5.703571	5.683261	5.723497	5.75548	5.690219	5.749576
SRPRB	ENSG0000	0.205169	7.217534	2.507919	0.022265	0.054781	-4.69437	6.806574	6.73673	6.803361	7.06988	7.037469	7.033983	7.179324	7.043896	7.081787	7.616264	7.543235	7.549726	7.207868	7.181448	7.178012	7.656669	7.662616	7.710542
TMEM108	ENSG0000	0.416765	-1.27043	1.711123	0.104747	0.185307	-4.83824	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	1.239286	1.827525	1.718241	2.193986	2.084417	2.058312	1.571317	2.078458	2.033602
EIF2A	ENSG0000	-0.36141	6.8412	-9.0408	5.27E-08	2.27E-06	8.426208	6.959605	6.943443	6.899554	6.605325	6.606662	6.526206	6.581733	6.590132	6.61411	7.204334	7.154216	7.21181	6.954124	7.037812	7.024944	6.785083	6.796379	6.881744
ALDH1L1	ENSG0000	0.12194	-0.71837	0.712411	0.485613	0.60391	-6.21881	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.387194	0.106501	2.635389	2.741	2.714318	2.968056	3.020741	3.096004	2.679583	2.741225	2.570068
OSBPL11	ENSG0000	0.093379	4.656026	1.530671	0.143749	0.236477	-6.00684	4.439509	4.50655	4.458888	4.687901	4.455308	4.499659	4.651903	4.55497	4.512744	4.908591	5.027603	4.92983	4.766576	4.686287	4.698713	5.09768	5.030462	4.950363
TRPC1	ENSG0000	0.551001	2.076749	3.258022	0.0045	0.015468	-2.13316	2.461454	2.403106	2.492412	3.425084	3.560502	3.459109	2.376953	3.023117	2.501332	1.76051	1.265082	1.439812	2.357702	2.467968	2.365487	2.135245	2.212266	2.003758
NCEH1	ENSG0000	0.402616	5.738315	3.972809	0.000938	0.004445	-1.33635	6.648901	6.748083	6.639541	7.012375	6.954498	6.95578	7.120503	7.120214	7.105384	4.742042	4.602618	4.604122	4.352013	4.15926	4.342433	5.062316	4.975054	4.827974
LPP	ENSG0000	-0.27522	6.349584	-3.73409	0.001585	0.006741	-2.01478	6.641532	6.762709	6.71719	6.562258	6.366983	6.885376	6.464699	6.517343	6.559406	6.318285	6.473889	6.16921	6.121188	5.984858	6.167159	5.980541	5.896482	6.03792
TMEM44	ENSG0000	0.087222	2.671529	0.408206	0.68808	0.777001	-6.43222	3.408783	3.516026	3.707702	3.487804	3.242978	3.231764	3.632324	3.698786	3.655245	2.01088	1.989662	2.152295	2.822733	2.743101	2.95373	2.211015	2.124453	1.910335
RUBCN	ENSG0000	0.224476	4.049893	2.895883	0.009842	0.028744	-3.47422	3.420312	3.370829	3.83701	3.714523	3.546181	3.510758	3.928981	3.809996	3.796224	4.68196	4.580969	4.331562	4.607058	4.645922	4.70214	4.710794	4.617172	4.75819
AMT	ENSG0000	-0.4255	0.397128	-1.41109	0.175769	0.276414	-5.20396	1.336422	1.118985	1.146821	0.934951	0.625525	0.746642	0.670238	1.001115	0.833554	1.616888	1.588084	1.158083	2.343563	1.970168	2.312654	1.177011	1.206659	1.416439
TCTA	ENSG0000	0.049866	5.842018	0.81308	0.427109	0.548888	-6.97216	5.93634	5.920324	5.887131	6.318771	6.358812	6.349549	6.005819	5.983638	6.0206	5.42646	5.376563	5.39172	6.142782	6.140876	6.139617	5.469547	5.387157	5.380146
NICN1	ENSG0000	-0.12923	3.308148	-1.2884	0.214402	0.322736	-5.96438	2.833249	3.298545	3.309643	3.456785	3.630051	3.377995	3.072345	3.002451	2.981126	3.463254	3.715716	3.451828	4.25337	3.940055	4.109334	3.358427	3.422593	3.530388
DCAF1	ENSG0000	-0.11681	6.162109	-2.57086	0.019543	0.04938	-4.46483	6.295276	6.137897	6.24766	5.809447	5.913577	5.889947	6.025902	6.030322	6.079477	6.45444	6.527689	6.47027	6.093997	6.034029	6.023869	6.39518	6.329738	6.535733
MANF	ENSG0000	0.619958	6.621716	6.258919	7.62E-06	0.000104	3.344663	6.101207	6.086949	6.119151	6.946912	6.85634	6.907222	6.918943	6.831855	6.927299	6.493004	6.47975	6.481191	6.452093	6.512463	6.525471	6.987844	6.967809	6.873516
EAF2	ENSG0000	-0.79606	0.255053	-3.21412	0.004952	0.016761	-2.08704	1.719036	1.708084	2.138168	0.841981	1.006428	0.657796	1.317361	1.15884	1.171446	1.676063	1.369793	1.562415	0.701742	1.120667	0.335616	1.099384	1.118494	1.273688
ILDR1	ENSG0000	0.41604	-0.70535	2.536158	0.021003	0.052297	-3.65397	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.30136	2.42184	2.355887	3.714069	3.576046	3.454098	2.679583	2.711397	2.896697
TM4SF19	ENSG0000	-0.43174	0.139948	-1.12188	0.27709	0.394431	-5.47968	1.475543	1.744817	1.987129	0.635873	0.828511	1.055701	0.886508	0.387194	1.674905	1.158593	1.152172	0.993481	1.088368	0.938214	0.707101	1.482378	1.024588	1.461048
MUC4	ENSG0000	-0.55163	-0.46191	-3.03194	0.007348	0.022702	-2.68187	0.318509	0.215206	0.323815	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	2.817246	2.969234	2.7037	3.039964	2.784257	2.942182	2.283004	2.535313	2.374055
SLIT2	ENSG0000	-0.93586	4.327268	-5.30073	5.36E-05	0.000464	1.717748	5.114814	5.130591	4.874926	3.921807	4.293254	4.308605	3.761137	3.578282	3.879258	4.421642	4.648439	4.692697	4.818614	4.837324	5.031287	4.047354	3.980496	3.930053
EIF2B5	ENSG0000	-0.06336	5.8709	-1.33112	0.200252	0.305178	-6.47745	5.663084	5.683061	5.70066	5.895822	5.830334	5.762585	5.597858	5.564476	5.574002	6.169215	6.086595	6.121144	6.114958	5.993658	6.11025	6.045367	6.113007	6.109724
ECE2	ENSG0000	-0.24852	4.643459	-2.04873	0.055811	0.113085	-5.17986	4.516725	4.34846	4.400306	4.576883	4.789085	4.761901	4.057185	3.868266	4.011347	5.267203	5.118067	5.267448	4.900573	4.743056	4.860827	5.146741	5.042491	5.004109
DGKQ	ENSG0000	0.036836	5.348022	0.563672	0.580138	0.686662	-7.11374	4.569455	4.517206	4.647003	5.180897	5.593209	5.191857	4.330652	4.547856	4.563842	5.725037	5.723056	5.644417	6.555383	6.390053	6.456118	5.789862	5.873097	5.694596
FIP1L1	ENSG0000	-0.17965	4.665465	-2.94651	0.008831	0.02633	-3.46143	4.758449	4.856254	4.844488	4.517996	4.310303	4.337497	4.552561	4.547856	4.459769	4.835851	5.003394	5.011739	4.774502	4.767207	4.839198	4.77149	4.891066	4.946447
SLC26A1	ENSG0000	0.3344	0.518867	1.491086	0.153766	0.249384	-4.94559	2.762544	2.853456	2.900124	3.083078	3.170134	2.904994	3.315502	3.043491	3.00245	0.483018	0.462741	0.397516	0.234608	0.416769	0.335616	0.517985	0.504542	0.580851
LYAR	ENSG0000	-0.23039	6.057865	-2.77281	0.01279	0.035441	-4.07418	6.304638	6.350944	6.219134	4.904536	4.922581	5.063714	5.928678	5.851216	5.903632	6.676264	6.658331	6.76335	6.098213	5.999495	6.034784	6.577998	6.539501	6.680701
CENPC	ENSG0000	0.165881	3.206093	1.264743	0.222568	0.332443	-5.9691	3.128595	2.784561	2.848472	3.162124	3.278066	3.572823	3.586698	3.477062	3.60036	3.284659	3.414909	3.538032	3.593793	3.766081	3.679472	3.290193	3.2466	3.267027
EPHA5	ENSG0000	1.04141	1.759891	4.52002	0.000284	0.001712	0.535258	4.044416	4.293732	4.131643	6.72406	6.685551	6.705903	5.157514	5.188055	5.165072	0.190076	0.185134	0.34382	0.828978	1.16289	1.002253	0.326864	0.19538	0.580851
ATP10D	ENSG0000	0.904458	4.9943	12.85146	2.44E-10	3.96E-08	14.01731	4.645102	4.614695	4.686762	5.768983	5.684306	5.622881	5.701383	5.813157	5.602211	4.19764	4.251617	4.182763	5.174616	5.029288	5.123642	5.004933	4.780497	4.906683
OCIAD2	ENSG0000	-0.33205	7.03423	-3.97546	0.000932	0.004421	-1.60214	6.942715	6.93552	6.8588	5.98549	5.902377	5.902086	6.14086	6.136086	6.231692	8.019358	8.035927	8.046661	7.263371	7.255266	7.268063	7.958542	7.983595	7.986619
SCD5	ENSG0000	1.526457	4.051956	6.303066	6.98E-06	9.73E-05	3.875203	2.867343	3.012542	2.966237	4.778495	4.745876	4.604407	4.496094	4.316298	4.404775	2.790717	2.889287	2.796562	5.860749	5.968584	5.893528	4.203908	4.200441	4.170642
PLAC8	ENSG0000	-2.02968	1.092557	-6.24253	7.87E-06	0.000107	3.787497	4.527427	4.538284	4.657046	1.791994	1.768674	2.317553	2.858632	2.623806	2.723053	1.158593	1.07167	1.305813	0.745413	0.671977	0.862212	0.457048	0.358227	0.580851
ENOPH1	ENSG0000	-0.16279	5.936591	-2.18116	0.043098	0.092321	-5.17721	5.724825	5.873404	5.808216	5.720837	5.634408	5.581211	5.83422	5.682848	5.629879	6.505294	6.461107	6.542062	5.835713	5.882764	5.73358	6.335067	6.232019	6.285892
TRMT10A	ENSG0000	0.386688	2.920475	3.204935	0.005052	0.017014	-2.50286	3.056542	2.576149	3.190238	3.359513	3.093416	3.119801	2.981245	3.446787	3.453254	3.165825	2.912585	2.855308	2.862939	3.077028	2.930541	3.200096	3.356678	3.30423
KLHL8	ENSG0000	0.621412	5.050761	7.498655	7.32E-07	1.69E-05	5.886949	4.321496	4.14364	4.109872	4.440838	4.478119	4.440963	5.093706	5.237527	5.296047	5.458414	5.56479	5.421185	5.368624	5.366162	5.433027	5.845901	5.893164	5.870258
SNCA	ENSG0000	0.46596	1.812184	1.555798	0.137677	0.229047	-4.87489	6.697091	6.73673	6.625544	7.354948	7.335852	7.324744	7.089487	7.093593	7.141874	0.106501	0.185134	0.106501	0.171976	0.345231	0.263213	0.183756	0.2791	0.315289
PYURF	ENSG0000	0.105048	5.420328	2.333344	0.031803	0.072499	-4.80559	5.173901	5.25994	5.231457	5.333837	5.33034	5.30954	5.223595	5.233099	5.2343	5.577652	5.586681	5.586355	5.589884	5.614563	5.680705	5.800633	5.789916	5.635005
TBCK	ENSG0000	-0.54781	3.782358	-6.71082	3.17E-06	5.26E-05	4.658705	4.131163	4.065935	3.801232	4.367681	4.186495	4.372816	3.555458	3.592179	3.373665	4.026306	3.919204	3.973292	4.241981	4.078843	3.968435	3.508614	3.385297	3.466183
CAMK2D	ENSG0000	0.730557	5.844311	3.210603	0.00499	0.016849	-3.05986	4.842264	4.756352	4.85325	6.902998	6.877943	6.89634	5.850398	5.874148	5.85464	5.59692	5.686355	5.643029	5.984361	5.921708	5.892029	6.04666	6.072518	6.154551
CISD2	ENSG0000	0.201588	5.744748	2.665589	0.016035	0.042287	-4.21276	5.616234	5.575013	5.56323	5.654037	5.72937	5.686023	6.059692	5.975709	6.059269	5.982583	5.807818	5.928267	5.445106	5.548415	5.570637	5.891232	5.951743	5.861964
DDIT4L	ENSG0000	0.519145	1.454602	1.621707	0.122766	0.209759	-4.86645	3.911847	3.714268	3.500214	4.367681	4.384626	4.337497	4.487843	4.373746	4.364168	0.609835	0.462741	0.639567	0.907968	1.077171	1.002253	0.326864	0.358227	0.315289

ANK2	ENSG0000	-0.59483	3.880126	-3.62349	0.002021	0.008154	-1.79933	4.381709	4.418344	4.611291	4.416862	4.408574	4.524999	4.011872	3.809996	4.021828	4.222665	4.314187	4.190389	3.083152	3.213858	3.206318	3.730814	3.529023	3.621636
TIFA	ENSG0000	0.194681	3.092325	1.402921	0.178155	0.279271	-5.77374	3.710582	3.686213	3.607684	2.688367	2.948483	3.152687	3.705302	3.619579	3.721038	2.881509	2.935512	3.060643	3.236398	3.065945	2.833866	3.083983	3.422593	3.364179
SPATA5	ENSG0000	-0.42106	3.974001	-3.56961	0.002275	0.00896	-1.91506	4.780982	4.925889	4.866295	4.612502	4.537243	4.67402	4.034706	4.421231	4.404775	3.695491	3.992097	3.829308	3.288992	3.109775	3.263113	3.658228	3.579432	3.660409
CCNA2	ENSG0000	0.086097	4.819167	0.348916	0.731321	0.810163	-7.1692	5.207561	5.181722	5.141325	4.821743	4.688349	4.67402	5.440037	5.650007	5.392079	5.591166	5.542561	5.724072	2.791825	3.009215	2.756856	5.501961	5.453977	5.448204
METTL14	ENSG0000	-0.08835	5.338145	-1.64118	0.11863	0.204113	-5.98136	5.0569	4.787496	4.822347	5.041505	4.801196	4.879531	4.751751	4.814082	4.819498	5.806744	5.787484	5.925985	6.059811	6.110184	6.026606	5.739577	5.777374	5.776299
USP53	ENSG0000	-0.49256	5.542016	-6.02998	1.20E-05	0.000148	2.990207	6.211491	6.045222	6.151479	5.092847	4.928114	5.110498	5.527156	5.506949	5.574002	5.981118	5.881985	5.788295	5.271149	5.445273	5.326021	5.414519	5.487362	5.600528
SETD7	ENSG0000	0.447628	8.015918	5.139451	7.52E-05	0.000607	0.92893	8.437554	8.450782	8.460487	9.165287	9.183207	9.200938	8.979372	8.981599	8.946519	7.084545	7.011808	7.000334	7.106852	7.107706	7.130469	7.404701	7.376973	7.381211
NAF1	ENSG0000	-0.07384	4.753083	-1.01352	0.324637	0.444597	-6.61673	5.35902	5.430295	5.267957	4.869634	4.894593	4.72957	5.178171	5.310795	5.504708	4.521821	4.648439	4.783729	4.037603	4.298341	4.174939	4.684453	4.482376	4.4056
MARCHF1	ENSG0000	0.07351	1.890792	0.314549	0.756828	0.829649	-6.27864	2.416107	3.142112	1.954926	3.376187	3.012388	3.016392	2.303642	2.753138	2.560038	1.964162	1.529011	1.780195	1.935792	2.169719	1.639204	1.759719	1.795362	1.844513
RPS3A	ENSG0000	-0.0007	9.992126	-0.02027	0.984054	0.990029	-7.69197	10.34655	10.33525	10.28775	10.34225	10.25014	10.23712	10.34598	10.39041	10.362	9.786589	9.699623	9.643153	9.549355	9.65672	9.655463	9.609156	9.653673	9.73423
PDGFC	ENSG0000	-0.25944	5.101581	-3.48395	0.002746	0.010484	-2.40349	5.190829	5.147837	5.159101	4.821743	4.831037	4.793524	4.599263	4.728586	4.482711	5.41565	5.419887	5.440499	5.511428	5.464391	5.534564	5.340537	5.419802	5.317842
CBR4	ENSG0000	-0.41377	4.458962	-1.84557	0.081964	0.153305	-5.40689	6.25238	6.288557	6.34561	4.190466	3.956756	4.027574	5.83422	5.991525	5.983548	4.087524	3.992097	3.91004	3.429485	3.512154	3.387537	3.31616	3.603991	3.698167
CYP4V2	ENSG0000	0.244273	4.312054	4.240645	0.000521	0.002786	-0.55651	3.96004	4.065935	3.971859	4.778495	4.701332	4.798728	4.31208	4.38177	4.151567	4.119853	4.186209	4.09204	4.823716	4.869552	4.810905	4.46216	4.283876	4.197255
NDUFS6	ENSG0000	-0.09119	5.984288	-1.67765	0.111207	0.194084	-5.99248	6.539499	6.519415	6.508393	5.993618	6.044157	6.081451	6.257073	6.369847	6.401828	5.676959	5.778001	6.009185	5.451713	5.493636	5.555558	5.824952	5.819927	5.826176
MARCHF6	ENSG0000	0.072716	7.517536	1.008784	0.326841	0.446756	-7.01749	7.116673	7.128565	7.133336	7.585725	7.560882	7.687966	7.392103	7.433649	7.410671	7.712593	7.778574	7.671876	7.688403	7.657644	7.679276	7.608011	7.594289	7.623074
NKD2	ENSG0000	-0.09416	3.468092	-0.30458	0.764284	0.834886	-6.65175	5.496078	5.541478	5.748412	3.740513	4.040879	3.926609	5.35187	4.922558	5.252213	1.704765	2.303453	2.152295	2.749557	2.467968	2.10048	2.807136	2.741225	2.84714
ADAMTS16	ENSG0000	-0.73284	-0.53162	-2.35688	0.030325	0.069732	-3.53338	2.245129	2.152784	2.446827	2.791417	3.112982	2.5075	1.70672	1.809233	1.620777	0.190076	0.185134	0.449284	0.352262	0.26996	0.263213	0.257084	0.19538	0.106501
SRD5A1	ENSG0000	0.393402	6.268743	9.766658	1.69E-08	9.63E-07	9.625268	5.53637	5.559632	5.581801	5.737065	5.565074	5.786355	6.062473	6.014928	6.09693	6.660783	6.67034	6.666203	6.784602	6.756895	6.775317	7.014522	6.948761	6.990354
MYO10	ENSG0000	-0.33408	7.695373	-2.66188	0.016161	0.042531	-4.42084	7.868572	7.897394	7.899394	7.767348	7.739857	7.828796	7.193345	7.236492	7.201865	8.034276	7.977749	7.876879	7.481631	7.400749	7.472051	7.946816	7.916959	7.908241
OTULINL	ENSG0000	-0.14028	2.60132	-0.36092	0.722481	0.803616	-6.64197	1.719036	1.883052	2.194417	3.342644	3.394558	3.391835	1.160105	1.082132	1.171446	3.792275	3.997554	3.919248	3.091636	3.173121	3.042931	4.000079	4.11758	4.029672
RPL37	ENSG0000	0.021064	9.283055	0.530043	0.602751	0.705364	-7.50424	9.429619	9.407446	9.423219	9.535099	9.573358	9.476498	9.425397	9.361457	9.432568	9.134633	9.132746	8.995429	9.026628	9.180483	9.179812	9.077786	9.136142	9.210143
SKP2	ENSG0000	-0.36655	5.520352	-7.92112	3.45E-07	9.28E-06	6.606056	6.022073	6.059873	5.990033	4.927344	5.008661	4.969954	5.574674	5.653324	5.512161	6.124772	5.92128	6.078631	4.938696	4.941053	5.017597	5.780566	5.701643	5.751822
OSMR	ENSG0000	0.531429	7.984036	2.745596	0.013549	0.037089	-4.21429	8.461467	8.485111	8.516377	9.939715	9.793566	9.901156	9.182171	9.138698	9.230818	6.685294	6.792318	6.703987	6.712168	6.588011	6.646042	7.059413	7.019692	7.004551
PLK2	ENSG0000	-0.67663	7.857352	-3.00349	0.007813	0.02388	-3.72332	9.176556	9.086179	9.076497	7.521595	7.449868	7.456518	8.059623	8.091569	7.988586	7.508468	7.472003	7.641251	7.748659	7.71907	7.760423	7.285993	7.224293	7.289883
PIK3R1	ENSG0000	0.509866	6.063531	1.55787	0.137186	0.228424	-6.14471	4.410898	4.527784	4.464617	7.277181	7.164786	7.307506	6.330422	6.310139	6.258527	6.234645	6.240664	6.208233	6.55615	6.559648	6.636221	5.672477	5.735381	5.736026
LHFPL2	ENSG0000	-0.57813	6.052374	-4.32556	0.000433	0.002405	-0.64378	6.829454	6.844314	6.811251	7.029605	7.077854	7.081724	5.943836	6.025209	6.178819	5.691372	5.747555	5.762948	5.333285	5.493636	5.337086	5.482982	5.309644	5.406045
SSBP2	ENSG0000	-0.26235	4.746477	-2.21474	0.040327	0.087624	-4.81615	5.128936	5.095468	5.075454	5.325276	5.152684	5.265117	4.659269	4.837607	4.72003	4.368817	4.411431	4.220495	5.164598	5.24855	5.248442	4.276243	4.07722	4.190648
ANKRD31	ENSG0000	-0.08703	-0.51193	-0.36469	0.71972	0.801296	-5.97931	0.742531	0.582935	0.598525	0.52061	0.389229	0.563119	0.269385	0.253663	0.735084	1.073118	1.265082	1.188864	1.308151	0.986036	1.247156	1.250674	1.368306	1.370407
RASA1	ENSG0000	-0.01959	6.983892	-0.24745	0.807447	0.867122	-7.48151	6.676807	6.655861	6.574795	6.272761	6.30028	6.287974	6.314182	6.303819	6.119063	7.608215	7.5567	7.540432	7.439877	7.412828	7.477561	7.747337	7.809753	7.842848
GIN1	ENSG0000	0.040649	3.366831	0.375152	0.712061	0.795567	-6.70037	3.603403	3.896716	3.586821	3.80351	3.560502	3.797394	3.928981	3.946081	3.733845	3.058725	3.414909	3.400153	3.004458	3.487446	3.290693	3.26375	3.204393	3.162857
PPIP5K2	ENSG0000	0.146267	5.522319	1.748382	0.097939	0.175937	-5.78964	5.237197	5.421814	5.378308	5.990913	5.907988	5.961294	5.767627	5.893919	5.745052	5.264796	5.329736	5.329196	5.652873	5.781385	5.781349	5.163525	5.201146	5.184529
PAM	ENSG0000	0.084839	7.357741	1.362773	0.190256	0.293333	-6.58748	7.183318	7.250125	7.122505	7.521595	7.444087	7.479383	7.097643	7.141635	7.13947	7.132208	7.190408	7.134364	7.860869	7.875635	7.950011	7.346043	7.372215	7.363696
BDP1	ENSG0000	0.281315	6.397765	4.450925	0.00033	0.001933	-0.45892	6.102997	6.274494	6.235982	6.643705	6.539568	6.726528	6.53044	6.590132	6.528503	6.232183	6.420038	6.138988	6.302974	6.356335	6.424306	6.503676	6.457646	6.470408
GTF2H2	ENSG0000	-0.21155	3.843921	-2.54933	0.020437	0.051194	-4.0067	4.707601	4.706012	4.725456	3.999198	3.988879	4.045196	4.606901	4.569092	4.482711	3.744695	3.619889	3.596598	3.36795	3.310934	3.396027	3.43152	3.297679	3.530388
SLC30A5	ENSG0000	0.065514	6.703514	1.405045	0.177532	0.278602	-6.46212	6.911398	6.970834	6.929899	7.192629	7.050211	7.093417	7.079914	7.117814	7.093013	6.408288	6.409841	6.460843	6.318418	6.340326	6.359583	6.423327	6.334638	6.433107
BTF3	ENSG0000	-0.11276	9.06147	-2.94743	0.008814	0.026291	-3.92201	9.416726	9.381255	9.345782	9.123308	9.121457	9.086192	9.271994	9.237063	9.20834	8.966494	8.895393	8.923328	8.832274	8.91522	8.895773	8.822831	8.840923	8.872863
FBXL17	ENSG0000	-0.03048	4.935489	-0.46155	0.650093	0.746815	-7.06444	4.744758	4.893538	4.734969	5.241304	5.244245	5.199746	4.908318	5.043815	4.934903	4.920876	5.000678	5.047868	5.096674	5.162721	5.115953	4.84468	4.874338	4.698895
TNFAIP8	ENSG0000	-0.16261	3.795772	-1.58179	0.131624	0.220972	-5.75684	5.049495	5.091908	5.079193	3.619685	3.112982	3.292047	4.6145	4.696781	4.640652	3.938405	4.127684	3.964424	2.25569	2.48471	2.257813	4.113016	4.100421	4.229846
FEM1C	ENSG0000	-0.15138	5.350154	-2.54288	0.020712	0.051689	-4.41213	5.096964	4.830853	4.913139	4.944216	4.987618	5.068031	4.87074	4.610649	4.745547	6.035795	5.948304	5.95761	5.810235	5.781385	5.810222	5.769645	5.898138	5.913032
COMMD10	ENSG0000	0.102861	5.339481	1.829679	0.084409	0.156509	-5.66067	5.603648	5.564777	5.533555	5.380038	5.171467	5.223158	5.624444	5.80423	5.673738	5.300492	5.157605	5.288917	5.182581	5.112436	5.181264	5.304237	5.35134	5.314806
ATG12	ENSG0000	-0.06841	6.535549	-0.63309	0.534873	0.647531	-7.24623	6.39067	6.396385	6.339387	6.046662	5.960231	6.057773	6.179794	6.286829	6.271759	6.764964	6.724824	6.721856	7.19906	7.180806	7.240042	6.661395	6.768586	6.746376
YIPF5	ENSG0000	0.069275	6.661427	2.035714	0.057229	0.11534	-5.47605	6.851978	6.903387	6.949439	7.227506	7.264382	7.144381	6.928119	6.991116	6.981997	6.208578	6.202186	6.258977	6.487887	6.429501	6.468246	6.299712	6.297477	6.284342
ARHGAP26	ENSG0000	-0.03829	4.634358	-0.36412	0.720136	0.801633	-7.09036	4.25866	4.249682	4.02711	4.487626	4.58706	4.814227	4.13321	4.307901	4.296723	5.107097	5.285805	5.10547	4.96664	4.811013	4.891173	4.994249	5.101177	5.091828
DDX46	ENSG0000	0.010389	6.736479	0.174677	0.863341	0.9083	-7.45802	6.242672	6.260292	6.176132	6.617648	6.630615	6.663747	6.346481	6.411592	6.323509	7.094747	7.159703	7.128918	7.080985	7.112427	7.13174	6.983799	7.079294	7.070815
RNF145	ENSG0000	-0.01371	7.163712	-0.15623	0.877639	0.918323	-7.47621	7.398972	7.441294	7.326622	7.813991	7.747701	7.84963	7.58525	7.452818	7.490186	6.88582	6.998941	6.85016	6.668881	6.657954	6.698464	6.744224	6.793713	6.737337
FBXO38	ENSG0000	-0.18641	5.782202	-4.25035	0.00051	0.002745	-0.8261	5.677569	5.656799	5.494882	5.714295	5.697326	5.786355	5.469665	5.510612	5.577558	6.004393	6.009009	6.072454	6.170079	6.2029	6.17458	5.81588	5.753789	5.780706
PCYOX1L	ENSG0000	-0.53308	4.820237	-4.30283	0.000455	0.002501	-0.53437	5.167074	5.095468	5.20089	5.077635	5.024245	5.110498	4.254886	3.913244	4.16108	5.066207	4.995233	5.049965	5.117597	5.049122	4.845411	4.826728	4.897703	4.878182
TNIP1	ENSG0000	-0.73243	7.129792	-3.58816	0.002184	0.008662	-2.4293	8.370417	8.324897	8.326896	6.361268	6.559313	6.48806	7.194613	6.94041	7.060342	7.099483	7.089887	7.225793	6.91103	6.938007	6.865198	6.970235	6.962279	6.852741
G3BP1	ENSG0000	-0.04897	8.546903	-1.29949	0.210657	0.317972	-6.76059	8.879933	8.925221	8.863441	8.469603	8.428439	8.418258	8.878453	8.920949	8.871724	8.520433	8.503786	8.47942	8.17916	8.148772	8.211938	8.383321	8.374079	8.460304
ZNF300	ENSG0000	0.490899	1.577518	3.646037	0.001924	0.007853	-1.87954	0.587539	0.410755	0.219246	0.52061	0.625525	0.106501	0.269385	0.622068	0.735084	4.782995	4.732663	4.518865	5.162586	5.24855	5.178806	4.961717	5.203826	5.280993
N4BP3	ENSG0000	-0.26431	1.030511	-0.95327	0.353452	0.474703	-5.84069	1.755904	1.591918	1.853768	1.326771	1.006428	0.984419	0.886508	0.915275	1.674905	1.388276	2.053933	1.986992	2.096181	2.517623	2.312654	1.970607	1.82352	1.775544
NHP2	ENSG0000	-0.46175	7.06687	-6.34827	6.39E-06	9.05E-05	3.480689	7.527133	7.520887	7.526103	6.694449	6.798609	6.704517	6.915871	6.951234	6.942549	7.296785	7.214042	7.348446	7.051932	7.027851	7.051386	6.970916	6.975672	6.887883
RMND5B	ENSG0000	0.297121	5.623557	3.870238	0.001175	0.005323	-1.61029	5.598583	5.60029	5.787794	5.85774	5.885412	5.914123	6.177231	6.070587	6.091965	5.213289	5.245089	5.201052	5.713225	5.659495	5.663227	5.371825	5.377692	5.347846
BOD1	ENSG0000	-0.21264	5.823219	-2.34044	0.031351	0.071712	-4.83118	6.34754	6.410744	6.410867	5.863665	5.818465	5.822571	5.847177	5.935393	6.01011	5.530331	5.613586	5.682768	5.703571	5.695898	5.708238	5.674151	5.578995	5.642288
CPLX2	ENSG0000	0.809393	0.41212	3.221047	0.004878	0.016553	-2.0141	5.000411	5.08834	5.086643	6.648861	6.700177	6.749552	5.791286	5.929932	5.88366	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
FAM50B	ENSG0000	-0.19415	2.531901	-1.72163	0.102786	0.182632	-5.37974	1.927307	2.039077	1.744977	1.578054	1.718467	2.098749	1.160105	1.367163	1.826075	3.831846	3.811781	4.012537	4.323482	4.372183	4.351192	3.97313	3.779553	3.571657
MYLK4	ENSG0000	0.098341	0.457722	0.627132	0.53868	0.650646	-5.93309	1.18244	1.226787	1.256574	1.104644	1.006428	1.367251	1.160105	1.231675	1.0941	1.457372	1.07167	1.305813	1.336984	1.282615	1.610309	1.387593	1.329561	1.504318
TBC1D7	ENSG0000	-0.47096	4.143543	-5.71245	2.28E-05	0.00024	2.564256	4.635242	4.604738	4.595711	3.887325	3.616407	3.936085	3.965091	3.879643	4.011347	4.443094	4.54415	4.618325	4.245787	4.132949	4.27499	4.236002	4.189664	4.274271
FARS2	ENSG0000	-0.10893	3.320814	-1.08402	0.293083	0.411674	-6.20825	3.810347	3.57841	3.322321	3.408969	3.207016	3.584921	3.258446	3.178579	3.162566	3.42926	3.463043	3.470739	3.629193	3.599295	3.658454	3.603046	3.394711	3.591857
GFOD1	ENSG0000	0.171377	2.252767	1.095164	0.288307	0.40641	-5.85206	2.9807	2.674627	2.94999	2.999448	3.426184	2.865864	3.050103	3.335526	3.064594	2.243849	2.249583	2.07201	1.689764	1.871771	2.161508	2.229352	2.146913	2.033602
CDKAL1	ENSG0000	-0.43326	4.054709	-8.57153	1.14E-07	3.95E-06	7.913869	4.199669	4.190995	4.208773	3.661095	3.832443	3.828257	3.719464	3.672864	3.771595	4.678347	4.630987	4.719298	4.167687	4.148793	4.247105	4.240529	4.367537	4.305185
ZMAT2	ENSG0000	-0.17928	6.78121	-3.65447	0.001888	0.007735	-2.25513	6.787781	6.874671	6.700292	6.569526	6.589306	6.460417	6.479338	6.465436	6.59318	6.998053	6.975626	7.046758	6.977203	7.07422	6.984701	6.891823	6.879199	6.959593
KLHL3	ENSG0000	0.648379	1.220703	4.056724	0.00078	0.003829	-0.42973	1.755904	1.780637	1.78216	1.519216	1.864131	1.840725	2.446718	2.481727	2.408535	1.352446	1.588084	1.333627	1.27873	1.622273	1.749324	1.759719	1.645686	1.626848
DCDC2	ENSG0000	-0.97988	-0.1481	-2.67728	0.015647	0.041477	-2.9946	2.589523	2.55562	2.661582	3.142765	2.686486	2.961768	1.816207	1.809233	1.777424	0.415169	0.583785	0.449284	0.171976	0.345231	0.186984	0.326864	0.19538	0.315289
H2BC1	ENSG0000	-0.15851	-1.2976	-1.05429	0.306106	0.425395	-5.69438	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.865926	2.032826	2.038602	2.412911	2.657091	2.433049	1.599785	1.795362	1.910335
TRIM7	ENSG0000	0.632213	2.942206	2.695136	0.01507	0.040233	-3.37815	4.014302	4.006672	3.88052	5.0571	5.257491	4.979151	4.428731	4.389749	4.570996	1.457372	1.851833	1.718241	1.776519	1.819936	1.610309	2.448672	2.37332	2.302316
TRIM41	ENSG0000	1.039223	5.87646	8.721946	8.86E-08	3.36E-06	8.010405	5.233934	5.201677	5.261389	6.493236	6.635697	6.505669	6.635005	6.682341	6.812769	5.149472	5.299125	5.26203	5.939239	5.900029	5.80545	5.832469	5.8459	5.77188
HIGD2A	ENSG0000	-0.05483	6.132396	-1.2369	0.232488	0.343535	-6.58393	6.593965	6.549574	6.601043	6.756263	6.797098	6.604065	6.434968	6.48419	6.519286	5.600742	5.645223	5.670552	5.865704	5.892207	5.876944	5.715389	5.655395	5.521118
FAM193B	ENSG0000	0.01189	4.273161	0.177866	0.860873	0.906709	-7.04908	4.059241	4.073175	4.16017	4.384261	4.360275	4.113606	3.916741	3.935218	3.979442	4.588795	4.487097	4.512795	4.687622	4.509412	4.639165	4.563199	4.656838	4.665927
TNFRSF21	ENSG0000	-0.5702	6.77814	-7.79602	4.30E-07	1.11E-05	6.25059	5.353017	5.224615	5.408347	5.180897	5.07001	5.055043	4.437325	4.119235	4.279358	8.823736	8.761062	8.81635	8.952434	8.888143	8.98834	8.362444	8.434665	8.361917
RNF44	ENSG0000	-0.82212	6.159649	-6.90013	2.21E-06	4.05E-05	4.651804	6.129578	6.03228	6.044605	5.472108	5.661235	5.550692	4.599263	4.637703	4.654189	7.031718	6.992806	7.085103	7.283415	7.260137	7.258201	6.594891	6.586473	6.455328
MMUT	ENSG0000	0.094735	4.849365	1.363208	0.190121	0.293158	-6.27133	4.296689	4.324392	4.307715	4.562385	4.614773	4.67402	4.6445	4.603806	4.849226	5.167627	5.226618	5.185873	5.458289	5.453801	5.471694	5.077578	5.121165	5.19777
RASGEF1C	ENSG0000	0.014201	0.994097	0.064413	0.949372	0.967371	-6.68169	0.667115	0.661886	0.829201	0.395333	0.730585	0.106501	0.548589	0.824004	0.629397	3.246125	3.076267	3.133657	3.845296	3.871689	3.951255	3.227721	3.149837	3.121769
DOK3	ENSG0000	-0.03414	0.581992	-0.15981	0.874864	0.91616	-6.08478	1.235614	1.508929	1.453818	1.688986	2.03796	1.757653	1.588238	1.15884	1.564539	1.199504	1.190799	1.387696	1.088368	0.888753	1.17005	1.250674	1.118494	1.170016
ABT1	ENSG0000	-0.3439	5.352634	-4.65251	0.000213	0.001362	0.068128	5.53637	5.455446	5.431935	4.333937	4.400635	4.473866	4.87074	4.992342	4.866774	6.116785	6.018435	6.198812	5.586887	5.438844	5.605829	5.965579	5.842463	5.91704
PPP1R18	ENSG0000	-0.15879	6.40929	-1.26661	0.221913	0.331763	-6.6292	7.113125	7.047266	7.183705	6.059623	6.371051	6.25428	6.481417	6.395831	6.481819	6.351563	6.226791	6.387272	5.892659	5.776294	5.787815	6.620299	6.604842	6.658128
PRIM2	ENSG0000	-0.10119	3.966416	-1.43279	0.169562	0.268849	-6.08527	3.633432	3.920993	3.707702	3.181227	2.737798	2.885561	3.788265	3.798055	3.733845	4.908591	4.796672	5.062485	4.211164	4.250194	4.279586	4.814634	4.699246	4.857474
LGSN	ENSG0000	0.642641	1.595103	2.999406	0.007882	0.024018	-2.49432	3.643304	3.750846	3.755225	5.514147	5.450555	5.503669	4.225415	4.357565	4.388669	0.483018	0.462741	0.230035	0.787801	1.203912	0.957066	0.457048	0.69947	0.315289
FGD2	ENSG0000	-0.50203	-0.86454	-2.02317	0.058626	0.117656	-4.43709	0.106501	0.106501	0.106501	0.106501	0.25478	0.2349	0.269385	0.106501	0.106501	2.817246	2.303453	2.724859	2.28558	2.533802	2.433049	1.809319	2.124453	2.033602
ANO7	ENSG0000	0.197957	0.881417	0.931649	0.364209	0.486081	-5.88007	0.882475	0.661886	1.256574	0.742604	1.087782	1.475193	1.160105	1.082132	1.171446	1.865926	2.320972	1.933468	1.954519	2.533802	2.294605	2.192442	2.315011	1.739782
RPL7L1	ENSG0000	-0.30719	8.108835	-6.64064	3.62E-06	5.81E-05	3.987442	8.406008	8.405973	8.389225	7.707665	7.694314	7.698445	8.058927	8.075582	7.982563	8.395608	8.37762	8.403538	8.002862	8.000946	8.046867	8.149676	8.123941	8.137676
NFKBIE	ENSG0000	-0.49681	3.715291	-2.24094	0.03828	0.084009	-4.6066	4.945613	4.933864	5.134153	3.162124	3.242978	3.016392	4.185161	3.946081	4.122646	3.709722	3.494263	3.754117	3.557503	3.560336	3.437743	3.685048	3.511821	3.601852
CYP39A1	ENSG0000	0.521369	0.927609	2.841608	0.011051	0.031474	-2.85881	1.235614	1.002471	1.453818	2.143217	1.373859	1.757653	1.459147	1.082132	1.314712	1.315703	1.335727	1.360915	1.878105	2.084417	2.058312	1.903678	1.766644	1.844513
TPBG	ENSG0000	0.19426	5.973344	2.547709	0.020506	0.051348	-4.50369	5.382786	5.381559	5.3383	5.277258	5.283625	5.268872	5.115291	5.083711	5.207006	6.548489	6.534276	6.565709	6.702506	6.714939	6.729866	7.032255	6.9335	6.901097
IRAK1BP1	ENSG0000	-0.2428	2.309832	-1.45136	0.164394	0.262466	-5.48314	2.688195	2.853456	3.24453	2.548252	2.333126	2.5075	2.637802	2.540248	2.588518	2.605258	2.212518	2.447834	2.822733	2.729118	2.858649	2.35157	2.354144	2.252429
PHIP	ENSG0000	-0.04368	5.032574	-0.45229	0.656624	0.752396	-7.13039	4.730936	4.501192	4.887776	4.881362	4.883243	4.98829	4.908318	4.703199	4.945952	5.524305	5.691415	5.290692	5.235223	5.101623	5.13383	5.246891	5.339201	5.417409
MMS22L	ENSG0000	-0.02378	3.82549	-0.18942	0.851946	0.900369	-7.01907	4.12413	3.863696	3.947516	3.273122	3.531716	3.26222	4.079318	4.221128	3.957772	4.652797	4.712893	4.623968	3.083152	2.784257	3.116699	4.61293	4.442079	4.582581
FAXC	ENSG0000	-0.47966	2.3703	-3.77714	0.001442	0.00625	-1.19572	2.19231	2.039077	2.423483	3.041869	2.633282	2.605775	1.240874	1.605065	1.826075	3.013555	3.044983	3.109727	3.675081	3.528394	3.679472	2.782512	2.813204	2.778299
PNRC1	ENSG0000	0.348574	3.990991	1.699008	0.107046	0.188579	-5.42753	4.473109	4.629503	4.579961	5.036268	4.960875	5.135391	5.077304	4.938965	4.956916	2.868884	2.792142	2.766268	4.179675	4.269646	4.25179	3.043104	3.116085	2.79582
PM20D2	ENSG0000	0.077887	4.674733	0.903967	0.378304	0.50056	-6.73924	4.450796	4.495815	4.504099	4.562385	4.65537	4.580436	4.87074	4.955186	4.866774	4.948139	4.995233	5.01818	4.615908	4.689902	4.492489	4.859472	4.787661	4.836464
RARS2	ENSG0000	0.021508	4.984439	0.436592	0.667753	0.761183	-7.07245	5.184082	5.140963	5.183625	5.456512	5.33034	5.338414	5.038289	5.331655	5.256657	4.759247	4.726103	4.788762	4.893312	4.901075	4.970056	4.817667	4.706825	4.744721
TBC1D32	ENSG0000	-0.2658	1.731963	-1.94372	0.068209	0.132465	-4.62914	2.109269	2.179863	2.109199	2.103714	2.333126	2.258349	1.70672	1.549165	2.047395	2.121457	2.095243	2.382761	2.225168	2.433888	2.276326	1.926335	2.392244	2.06284
RNF217	ENSG0000	0.099054	3.532775	1.241346	0.23088	0.341726	-5.93927	4.500523	4.538284	4.470324	4.778495	4.819175	4.879531	4.568297	4.533523	4.819498	2.708071	2.753956	2.592986	2.770846	2.743101	2.895043	2.692858	2.726388	2.59029
RSPO3	ENSG0000	0.215002	2.44826	0.596958	0.55819	0.668486	-5.82872	7.639293	7.595689	7.631094	7.158094	7.042579	7.150499	7.821884	7.86134	7.881165	0.269074	0.524532	0.16959	0.46104	0.26996	0.335616	0.257084	0.358227	0.106501
ARHGAP18	ENSG0000	-0.34789	4.159432	-4.98992	0.000103	0.000775	1.098264	4.439509	4.55906	4.59048	4.540361	4.529983	4.562192	3.965091	3.999201	4.112876	4.207702	3.958911	4.16352	4.290695	4.349511	4.338034	3.945668	3.961615	3.840032
ABRACL	ENSG0000	0.11768	4.469561	2.157724	0.045134	0.095563	-4.94637	3.983545	4.014214	3.979882	4.495279	4.408574	4.323123	4.154215	3.89093	4.08316	4.75239	4.562677	4.801266	5.231389	5.208795	5.236673	4.832737	4.826442	4.906683
SLC18B1	ENSG0000	0.15507	3.791171	2.224146	0.039581	0.086279	-4.6605	3.58303	3.829904	3.88052	3.999198	3.6964	3.59692	3.928981	3.967564	4.00079	3.825326	3.958911	3.955502	3.884887	3.981932	3.945482	3.956715	4.041704	4.087723
MTFR2	ENSG0000	0.127743	1.90873	0.37409	0.712837	0.796184	-6.39904	2.725848	2.836538	2.399755	2.548252	2.660129	2.532704	2.884002	3.083395	2.670735	2.790717	2.561038	2.724859	0.701742	0.837535	0.651457	2.611312	2.48331	2.81313
SLC2A12	ENSG0000	0.722062	2.132983	9.044568	5.24E-08	2.27E-06	8.73313	0.41387	0.499412	0.756332	1.519216	1.373859	1.367251	0.886508	0.915275	0.515351	3.77884	3.947677	3.722908	5.840755	5.78983	5.781349	4.504182	4.525868	4.444998
SHPRH	ENSG0000	-0.02586	4.362736	-0.34653	0.733082	0.811604	-6.98427	4.574623	4.594711	4.652033	4.619522	4.58706	4.427589	4.792514	4.837607	4.592248	4.404248	4.228596	4.362268	4.344933	4.073319	4.189664	4.067877	4.242761	4.229846
AIG1	ENSG0000	0.600445	4.934646	7.014577	1.78E-06	3.40E-05	5.012636	4.245758	4.150501	3.96379	4.960893	4.745876	4.656929	4.709802	4.819999	4.983968	5.032639	5.256515	5.216073	5.286012	5.430226	5.253122	5.742772	5.574859	5.713156
DYNLT1	ENSG0000	-0.27212	6.150493	-3.05984	0.006919	0.021735	-3.47117	6.05942	6.166948	5.992018	5.70112	5.419464	5.448454	5.665257	5.640007	5.716303	6.611424	6.613718	6.591136	6.725859	6.702469	6.750703	6.456784	6.385107	6.456705
TIAM2	ENSG0000	-0.70669	1.159944	-3.2268	0.004817	0.016386	-2.16924	2.137484	2.179863	2.049454	1.182548	1.307481	1.123626	1.160105	1.231675	1.0941	1.98771	1.875739	2.272125	2.062048	2.250257	1.923865	2.095813	1.645686	1.703111
TMEM181	ENSG0000	0.354965	6.062785	6.91523	2.15E-06	3.97E-05	4.726283	6.194805	6.173699	6.183099	6.647144	6.562874	6.59512	6.618096	6.704901	6.663472	5.424305	5.581239	5.430875	5.909553	5.889066	5.889024	5.695742	5.694037	5.692259
WTAP	ENSG0000	-0.05544	6.37505	-0.62659	0.539024	0.650896	-7.21074	7.050513	7.087148	7.095987	6.36336	6.161547	6.408603	7.006734	7.037562	7.069211	6.027299	6.025131	6.137016	5.864467	5.873258	5.884506	5.966946	6.01263	6.019396
ZMYM4	ENSG0000	0.108193	6.229448	2.612546	0.017918	0.046041	-4.37609	6.150496	6.172014	6.078628	6.299232	6.133083	6.326315	6.398022	6.207795	6.271759	6.249332	6.283738	6.208233	6.270646	6.261152	6.24324	6.311593	6.321123	6.299774
ARMT1	ENSG0000	-0.0186	4.95557	-0.30774	0.761919	0.833103	-7.13235	5.139438	5.227863	5.090354	5.156973	4.928114	5.215396	5.228555	5.310795	5.102264	4.948139	4.824575	4.825955	4.900573	4.879081	4.947129	4.838721	4.755137	4.740203
VWDE	ENSG0000	-0.02158	2.943705	-0.15051	0.882087	0.921555	-6.818	2.505419	2.748839	2.514675	2.181668	2.193078	2.481849	2.340763	2.220554	1.873138	3.805587	3.780465	3.48321	4.43437	4.513497	4.472558	3.818209	3.85652	3.669942
GNA12	ENSG0000	0.630079	6.877515	3.4637	0.002871	0.010864	-2.6278	6.805475	6.760469	6.764407	8.233225	8.203379	8.237981	7.646756	7.595047	7.667519	6.124772	6.101878	6.124133	6.195885	6.087072	6.142143	6.507438	6.410854	6.447035
C7orf50	ENSG0000	-0.03777	6.337638	-0.3424	0.736132	0.814032	-7.34816	6.466308	6.519415	6.545359	6.638531	6.932643	6.647975	6.14086	6.260962	6.267362	6.01159	6.185546	6.355404	6.128422	6.167044	6.064381	6.467445	6.413172	6.199673
SDK1	ENSG0000	-0.0782	-0.3832	-0.38686	0.70353	0.788572	-5.88008	4.212988	4.115866	4.242513	4.576883	4.764552	4.844735	4.023335	4.019913	4.198517	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
WASH2P	ENSG0000	-0.58255	1.655636	-3.65664	0.001879	0.007707	-1.34559	2.27083	2.125186	2.446827	2.063099	1.768674	1.310092	1.762502	1.549165	1.777424	2.356666	2.546219	2.369387	2.28558	2.06228	2.513282	1.992244	1.981819	2.226823
CCZ1B	ENSG0000	0.23135	4.738994	4.364742	0.000398	0.002245	-0.43925	3.928091	4.17089	4.167214	4.562385	4.529983	4.194794	4.293266	4.273815	4.313883	5.157281	5.157605	5.141322	5.401413	5.489494	5.430962	5.344748	5.391866	5.411738
C7orf26	ENSG0000	0.005717	5.107328	0.094423	0.925847	0.951089	-7.22065	5.340935	5.369848	5.332045	5.009799	5.326156	4.942007	5.490461	5.339915	5.416114	5.068969	5.077414	5.087205	5.020957	4.959137	4.820398	5.036515	5.02441	5.044977
RBAK	ENSG0000	-0.21127	5.097949	-3.12548	0.006003	0.01952	-3.14984	5.544295	5.493717	5.741349	4.988267	4.950037	5.010886	5.213624	5.408281	5.287386	5.138995	5.150274	5.070772	4.836392	4.804359	4.94134	4.991566	4.877699	5.098903
CREB5	ENSG0000	-0.19173	4.027168	-0.82372	0.421197	0.542759	-6.68254	4.909255	4.682536	4.913139	3.21869	3.012388	3.335661	4.205428	3.988732	4.042563	4.065562	4.200477	3.891447	4.25337	4.298341	4.423569	4.137495	4.268595	4.347382
EGFR	ENSG0000	1.560617	6.878422	9.898744	1.38E-08	8.48E-07	9.846833	6.310846	6.280761	6.365652	8.352305	8.279482	8.479892	7.994144	7.891156	7.914591	5.424305	5.601093	5.344656	6.41031	6.357472	6.427415	6.943412	6.848696	6.870419
CDCA5	ENSG0000	-0.02663	5.527565	-0.13753	0.892186	0.928211	-7.38692	5.633672	5.512479	5.538996	4.532944	4.648682	4.57438	5.639419	5.746369	5.696813	6.94566	6.799366	6.966314	3.830164	4.005327	3.933868	6.802028	6.672199	6.777574
IGFBP3	ENSG0000	1.145573	8.693537	6.014768	1.24E-05	0.000151	2.748937	9.586718	9.633011	9.597932	9.88524	9.856037	9.954731	11.09166	11.03123	11.11089	6.479572	6.85153	6.592576	7.547488	7.692743	7.652509	7.332854	7.387032	7.309074
PURB	ENSG0000	0.072795	7.035057	1.028999	0.317511	0.437318	-6.97213	7.127264	7.178928	7.21803	6.301416	6.366983	6.423838	7.291411	7.338951	7.299852	7.281385	7.356233	7.180563	6.8517	6.851098	6.897697	7.347092	7.253693	7.275124
RPL32P18	ENSG0000	0.020984	2.129992	0.213815	0.833165	0.885875	-6.45489	2.416107	2.332462	2.469799	2.359902	2.633282	2.581827	2.513265	2.255906	2.501332	2.461296	2.437987	2.328504	2.28558	2.581279	2.433049	2.317694	2.429363	2.528753
IGFBP1	ENSG0000	-0.02559	0.184682	-0.09612	0.92452	0.950196	-5.97061	5.049495	4.921884	5.05661	5.320976	5.217382	5.302231	4.920629	4.944392	5.026224	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
MDH2	ENSG0000	0.066926	8.310467	1.810794	0.087397	0.160722	-6.00879	8.478801	8.50365	8.484655	8.310624	8.369164	8.280447	8.519301	8.523278	8.613906	8.15033	8.083534	8.263251	8.150768	8.106804	8.124277	8.264987	8.243394	8.202332
POMZP3	ENSG0000	0.161885	3.815846	1.449193	0.164989	0.263122	-5.74539	4.664623	4.813666	4.85325	5.097883	4.933626	4.864722	5.032629	5.078784	5.041756	2.679436	2.912585	3.00983	3.303673	3.282491	3.075009	2.890155	2.680939	2.81313
NIPSNAP2	ENSG0000	0.055595	5.249244	1.028026	0.317955	0.437845	-6.72964	5.167074	5.158086	4.990634	5.16659	5.109506	5.041937	5.115291	5.416115	5.229787	5.430762	5.461948	5.507659	5.246665	5.432385	5.352435	5.479156	5.435851	5.445432
CCT6A	ENSG0000	-0.08827	8.339538	-1.85473	0.080585	0.151408	-5.95848	8.030136	8.027474	8.041778	7.859172	7.806713	7.812811	7.876624	7.930659	7.767435	8.941464	8.887698	8.918888	8.481926	8.573407	8.552711	8.895857	8.880622	8.913055
PSPH	ENSG0000	0.100185	4.555954	0.688836	0.499969	0.617129	-6.91963	4.688657	4.663476	4.725456	3.674639	3.683372	3.797394	4.779054	5.068879	4.912549	4.738576	4.729387	4.855034	4.836392	4.804359	4.785281	4.691084	4.847164	4.898598
ZNF92	ENSG0000	0.298313	3.887841	4.346072	0.000414	0.002315	-0.33584	3.397161	3.57841	3.384088	3.591402	3.531716	3.548316	3.841036	3.619579	3.759121	4.497421	4.361514	4.338442	4.076593	4.116929	4.160062	4.623367	4.70304	4.689552
ATXN7L1	ENSG0000	-0.04999	0.697154	-0.12398	0.902743	0.935432	-5.96124	3.349713	3.428416	3.565652	3.487804	3.588725	3.498018	3.315502	3.318907	3.437684	0.190076	0.398185	0.34382	0.562188	0.550009	0.812339	0.576451	0.637375	0.106501

TMEM168	ENSG0000	0.260054	5.270243	3.074655	0.006701	0.021233	-3.23323	5.699026	5.697188	5.783216	6.110336	5.976344	6.081451	6.119658	5.962395	6.157591	4.707004	4.692848	4.711369	4.437701	4.480488	4.519937	4.758922	4.864208	4.869935
MAP11	ENSG0000	-0.23544	4.873479	-2.5215	0.021649	0.053496	-4.30975	5.282121	5.384472	5.552509	5.004446	5.084948	4.849758	5.147073	4.987092	5.097318	4.762664	4.514003	4.862213	4.745223	4.770624	4.851597	4.687772	4.542904	4.515429
SLC12A9	ENSG0000	-0.17262	5.258578	-3.42522	0.003123	0.011584	-2.56106	4.702888	4.522504	4.636889	4.99368	5.104628	5.110498	4.462805	4.273815	4.512744	5.783387	5.9054	5.878389	6.182047	6.13691	6.11025	5.70396	5.720484	5.675793
GIGYF1	ENSG0000	-0.6172	5.221222	-12.2156	5.45E-10	7.26E-08	13.20955	5.451823	5.398948	5.506038	5.320976	5.313527	5.411567	4.87074	4.753535	4.745547	5.534334	5.566627	5.442097	5.514586	5.443133	5.559343	4.877024	5.098298	4.898598
TRIM4	ENSG0000	-0.22423	5.949306	-3.16028	0.005566	0.018353	-3.16616	6.734516	6.73102	6.660909	6.55861	6.438513	6.521493	6.43067	6.371863	6.310744	5.293423	5.355466	5.430875	5.609219	5.629696	5.643753	5.280253	5.279468	5.274758
MEPCE	ENSG0000	0.078181	6.352003	1.148932	0.266065	0.382575	-6.75903	6.099415	6.279197	6.188303	6.323078	6.393224	6.34244	6.400221	6.425243	6.481819	6.566194	6.460119	6.589695	6.279957	6.185083	6.230242	6.513997	6.457646	6.44842
TMEM209	ENSG0000	-0.12637	5.796235	-1.34171	0.196864	0.301303	-6.43807	6.650126	6.632773	6.621703	5.615935	5.454395	5.688828	6.556314	6.373876	6.453066	5.558123	5.538823	5.603592	5.26928	5.208795	5.108223	5.469547	5.482955	5.557523
AGBL3	ENSG0000	0.132592	0.5369	0.650361	0.523916	0.637397	-5.87487	1.069823	1.420874	1.54317	1.791994	1.864131	1.422231	1.525136	1.658879	1.564539	1.199504	1.029669	1.219002	0.982856	1.120667	1.390007	1.017342	1.2488	0.93723
ZC3HAV1L	ENSG0000	0.174054	3.535635	1.672591	0.112212	0.195455	-5.43496	4.044416	4.101775	4.153091	4.245952	4.186495	4.138446	4.185161	3.978187	4.16108	3.024981	3.373534	2.826234	3.173846	3.088026	3.137101	3.26375	3.366281	3.56145
TMEM140	ENSG0000	0.094498	1.014973	0.350487	0.730162	0.809229	-6.15542	1.384302	1.374745	1.202741	2.325974	1.768674	2.029614	1.160105	0.824004	1.171446	1.732907	1.403073	1.73919	1.548989	1.970168	2.058312	1.734264	2.124453	1.973284
TLK2	ENSG0000	-0.24093	5.907471	-4.83388	0.000144	0.001008	0.41938	6.095825	6.132709	6.149702	5.68113	5.529116	5.614052	5.764215	5.746369	5.809985	6.167928	6.13939	6.162441	5.844525	5.950619	5.958022	5.943536	6.039887	6.052569
EPHA1	ENSG0000	-0.01306	0.786449	-0.22117	0.827521	0.882082	-7.12246	0.216396	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.610256	5.561109	5.631871	5.287859	5.341097	5.326021	5.660702	5.585175	5.567757
NOM1	ENSG0000	-0.41427	5.714512	-6.05621	1.14E-05	0.000141	3.024734	6.402344	6.386249	6.437331	5.277258	5.419464	5.268872	5.879071	5.819078	5.85464	5.915104	5.898124	5.935092	5.302552	5.284851	5.36978	5.64542	5.578995	5.710849
NCAPG2	ENSG0000	-0.00972	5.291327	-0.06473	0.949124	0.967256	-7.27679	6.094026	6.139622	6.061717	5.307999	5.226392	5.276352	6.127646	6.301706	6.150445	5.593087	5.523772	5.57329	3.409264	3.445301	3.600863	5.461813	5.384796	5.437082
SHROOM2	ENSG0000	0.874844	1.6964	3.256536	0.004515	0.015507	-2.29121	1.069823	1.277811	1.30847	2.103714	1.612488	1.799787	1.389995	1.491012	1.01237	2.736149	2.753956	2.911754	2.225168	2.016959	2.18129	3.617041	3.955266	3.707454
LUC7L2	ENSG0000	-0.06754	4.463373	-0.90601	0.37725	0.499645	-6.66588	4.620325	4.682536	4.48731	4.612502	4.58706	4.702062	4.528631	4.759705	4.654189	4.607916	4.609763	4.637978	4.279599	4.179969	4.237689	4.469892	4.547132	4.335451
DENND2A	ENSG0000	0.416719	-1.16538	1.381007	0.184681	0.286662	-5.24918	0.216396	0.106501	0.323815	0.106501	0.25478	0.2349	0.106501	0.106501	0.256032	1.52331	1.752042	1.631268	0.982856	1.032323	1.355599	1.903678	2.212266	2.14716
CLTRN	ENSG0000	-0.36032	0.324997	-1.14499	0.26765	0.384133	-5.71141	1.519087	1.374745	1.499186	0.258133	0.106501	0.3528	0.886508	1.15884	0.735084	2.056133	2.074736	1.986992	1.797417	1.591687	1.826726	1.784732	2.212266	1.703111
SH3KBP1	ENSG0000	-0.11274	7.735964	-0.48201	0.635781	0.734542	-7.40324	8.622349	8.575509	8.591941	8.990182	8.916479	8.952215	8.362871	8.307017	8.370665	7.272425	7.146867	7.244686	6.02922	6.112879	6.108959	7.24996	7.289463	7.264939
TMEM47	ENSG0000	0.406328	1.641175	1.992412	0.062182	0.123264	-4.33954	3.487617	3.439663	3.819232	4.949796	5.104628	5.046319	4.057185	3.946081	3.968647	0.415169	0.640699	0.594297	0.828978	1.320413	0.957066	0.789161	0.572487	0.409347
SYTL5	ENSG0000	-1.47501	1.624352	-5.79527	1.93E-05	0.000212	2.942603	2.629805	2.356396	2.514675	0.258133	0.389229	0.657796	0.269385	1.001115	0.629397	4.318634	4.423646	4.238998	3.27416	3.263212	3.186878	3.103995	3.32748	3.176297
CASK	ENSG0000	-0.07913	5.770738	-0.88544	0.387941	0.50958	-6.95581	5.546927	5.421814	5.440682	5.762655	5.757614	5.622881	5.360933	5.45466	5.367637	6.222291	6.23143	6.225965	5.839496	5.8476	5.866291	6.226292	6.03538	6.140906
KDM6A	ENSG0000	0.025267	5.281736	0.375355	0.711913	0.795481	-7.20618	4.610293	4.639292	4.59048	5.147291	4.955466	5.118843	4.932837	4.905964	4.99996	5.790099	5.781169	5.641639	5.984361	5.981913	5.937812	5.62652	5.627716	5.518482
MSN	ENSG0000	0.237949	7.752962	1.986297	0.062912	0.124278	-5.64698	9.340078	9.319813	9.289394	8.32304	8.412737	8.392675	9.147565	9.128601	9.15875	6.472287	6.506792	6.42493	6.052224	6.050991	6.034784	7.158429	7.25434	7.264939
CCNB3	ENSG0000	-0.45295	1.468236	-3.41658	0.003183	0.011738	-1.80804	2.884092	2.966631	2.966237	1.457877	1.612488	1.669505	2.545421	2.650616	2.34318	2.121457	2.338281	1.839597	0.982856	0.986036	1.046067	2.034568	1.707432	1.58715
HDAC8	ENSG0000	0.115263	4.563535	1.928634	0.07018	0.135425	-5.27024	4.846543	4.901694	4.874926	5.290513	5.257491	5.234723	4.956946	5.078784	5.150819	3.938405	4.077032	4.063257	4.49639	4.541772	4.440084	4.057652	3.986735	4.129778
SLC16A2	ENSG0000	0.540507	1.783489	1.287228	0.214801	0.323234	-5.46238	2.438959	2.55562	2.049454	4.020568	4.186495	3.828257	2.696258	2.894433	2.202855	1.388276	1.369793	1.248523	1.186687	1.120667	1.488568	2.229352	1.737342	1.81044
ZNF157	ENSG0000	-0.04997	-1.13635	-0.2139	0.8331	0.885875	-6.28165	0.106501	0.106501	0.421314	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.14259	2.174476	2.510098	1.308151	1.462417	1.456457	2.211015	2.169028	2.326628
ZNF182	ENSG0000	0.619335	2.943143	4.851026	0.000139	0.000985	1.036868	3.056542	3.057038	3.013906	3.674639	3.170134	3.445903	3.66196	3.521314	3.586306	2.392392	2.42184	2.497858	3.456014	3.120528	3.396027	2.990321	2.947209	2.990979
CHST7	ENSG0000	0.766662	2.831786	2.799395	0.012089	0.033868	-3.16574	2.762544	3.085957	3.176339	4.96641	5.054916	4.946703	4.164604	3.798055	3.968647	1.91588	2.174476	2.104662	2.329284	2.23054	2.416453	2.448672	1.956613	1.973284
KRBOX4	ENSG0000	0.406268	3.69306	4.784074	0.00016	0.001098	0.748747	3.936145	3.863696	3.698006	3.898911	4.061165	4.178918	4.479546	4.247712	4.3476	3.349712	3.414909	3.318995	3.714069	3.637228	3.600863	3.61006	3.698248	3.477085
NDUFB11	ENSG0000	0.086288	6.754408	2.308883	0.033411	0.075583	-4.99198	7.056066	7.146693	7.09691	7.338025	7.392986	7.316604	7.210995	7.268217	7.183312	6.201043	6.224465	6.338345	6.393252	6.375538	6.390715	6.331888	6.321123	6.254557
ZNF41	ENSG0000	1.569661	3.844504	16.91162	2.84E-12	1.55E-09	17.97735	3.541402	3.450822	3.533304	4.495279	4.493129	4.499659	4.772276	4.944392	4.592248	2.574485	2.85362	2.671369	4.063713	3.976023	3.849837	4.271827	4.333674	4.359215
ZMYM3	ENSG0000	0.771693	5.313308	7.327466	9.99E-07	2.14E-05	5.574369	4.473109	4.299916	4.406272	5.268353	5.379635	5.438487	5.715585	5.575011	5.619566	5.286319	5.263327	5.135408	5.876792	5.844361	5.795858	5.750728	5.566553	5.654343
TAF1	ENSG0000	0.109053	6.527348	1.677533	0.11123	0.1941	-6.07735	6.262023	6.277631	6.401937	6.331652	6.432686	6.465334	6.648022	6.600482	6.663472	6.742647	6.806379	6.628105	6.552313	6.501194	6.49418	6.622902	6.5772	6.775368
NONO	ENSG0000	0.014286	9.187777	0.521147	0.608804	0.710929	-7.50607	9.372156	9.398828	9.334875	9.243478	9.245472	9.27515	9.443641	9.427864	9.431095	9.098081	9.070994	9.047399	8.977687	8.966593	8.981128	9.044032	9.028373	9.039551
CCDC120	ENSG0000	-0.1043	3.067786	-1.10675	0.283403	0.400955	-6.41071	1.894617	1.670392	1.987129	1.978268	1.666451	1.623325	1.588238	1.901414	1.826075	4.685565	4.682721	4.943432	5.44345	5.206274	5.148978	4.63373	4.798342	4.597643
EBP	ENSG0000	0.107567	5.847898	1.389294	0.182191	0.283923	-6.4242	5.567812	5.612764	5.463752	5.213737	5.279302	5.1639	5.940817	5.913422	6.046494	6.384092	6.244112	6.334048	6.023688	5.943067	5.959454	6.210226	6.248988	6.191423
OGT	ENSG0000	0.010762	7.414213	0.094069	0.926124	0.951167	-7.51737	7.025253	6.960135	7.139618	7.855461	7.711261	7.952432	7.207231	7.255174	7.35062	7.549594	7.657533	7.345461	7.578379	7.435611	7.591444	7.144003	7.348187	7.508202
SNX12	ENSG0000	0.002819	6.688185	0.085423	0.932896	0.956123	-7.44168	6.75401	6.797001	6.724372	7.112797	7.03234	7.094475	6.838498	6.756723	6.78073	6.48682	6.426122	6.447381	6.700428	6.703363	6.711277	6.384993	6.490947	6.407693
GCNA	ENSG0000	-0.08581	0.609797	-0.38699	0.703433	0.788572	-5.97091	2.438959	2.425906	1.954926	2.393052	2.078331	2.029614	2.058296	2.451551	2.408535	1.028404	0.640699	0.884879	0.610222	0.671977	0.862212	0.63264	0.871168	0.580851
ZNF711	ENSG0000	1.265848	-0.92407	3.022941	0.007492	0.023058	-2.36484	1.990546	2.425906	1.954926	4.851861	4.455308	4.702062	3.277716	3.40015	3.340558	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
DIAPH2	ENSG0000	0.120035	3.788176	0.993816	0.333873	0.454318	-6.2956	4.884496	4.917869	4.758481	4.944216	4.97698	4.874612	4.926746	4.889176	4.633836	2.881509	2.865607	2.911754	2.591031	2.797719	2.895043	3.358427	3.256961	3.176297
PRPS1	ENSG0000	0.073922	6.569378	0.68251	0.503863	0.619948	-7.18718	7.080797	6.992952	6.959619	7.122712	7.109854	7.145403	7.197145	7.172025	7.244996	6.347019	6.31358	6.297442	5.580873	5.579922	5.638396	6.220575	6.293708	6.259301
RADX	ENSG0000	-0.09242	1.752977	-0.52042	0.609302	0.711277	-6.17608	2.833249	2.332462	2.720234	2.425456	2.549605	2.429135	2.446718	2.511284	2.82232	1.52331	1.777644	1.718241	1.973006	2.269709	1.876113	1.512637	1.707432	1.504318
FRMPD3	ENSG0000	0.415811	-1.45581	1.52521	0.145098	0.23826	-4.9594	0.106501	0.106501	0.219246	0.258133	0.25478	0.2349	0.106501	0.106501	0.106501	1.278001	1.190799	1.277453	1.365252	1.203912	1.320349	1.45147	1.766644	1.626848
HTR2C	ENSG0000	-0.21163	0.058953	-2.46431	0.024357	0.05881	-4.15426	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.177304	4.415514	4.227925	4.397206	4.509412	4.562043	3.989359	4.111883	4.094818
DOCK11	ENSG0000	0.060522	3.022158	0.322933	0.750577	0.825165	-6.60411	2.629805	2.819419	2.514675	4.290615	3.912781	4.079806	2.303642	2.324112	2.501332	2.990428	3.232543	2.93917	3.778549	3.86531	3.8186	3.350072	3.307681	3.149291
IGSF1	ENSG0000	0.200565	1.876393	1.631171	0.120741	0.206995	-5.15826	1.791852	1.947501	1.888281	1.978268	2.229385	2.481849	2.412257	2.108984	2.309357	2.392392	2.23117	2.272125	2.479079	2.344993	2.528806	2.154563	2.354144	2.397196
RBMX	ENSG0000	0.072798	7.928206	2.59312	0.018659	0.047619	-4.57664	7.921253	7.886648	7.922995	7.734586	7.666446	7.697052	8.046341	7.978399	8.011774	8.011841	8.056989	8.058428	7.855585	7.811138	7.888915	8.071476	8.094995	8.103348
MCPH1	ENSG0000	-0.05683	4.478935	-0.85986	0.401509	0.523162	-6.72062	4.767504	4.710662	4.73022	4.448742	4.310303	4.400463	4.751751	4.68386	4.620106	4.561593	4.55159	4.53991	4.470601	4.312477	4.411058	4.285035	4.588743	4.661156
MFHAS1	ENSG0000	-0.13541	5.808368	-2.56381	0.019832	0.049994	-4.40719	6.018285	5.902145	5.982065	5.949732	5.976344	5.928437	5.722633	5.686091	5.836943	5.92581	5.792202	5.8255	5.715972	5.731404	5.69969	5.88835	5.682553	5.762999
FBXO25	ENSG0000	0.074283	3.559283	0.843517	0.410336	0.532067	-6.50262	3.210562	3.323044	3.565652	3.633621	3.588725	3.733615	3.440463	3.196885	3.084728	3.792275	3.612795	3.608031	4.309002	4.390067	4.346819	3.889124	3.896833	3.698167
NSDHL	ENSG0000	0.011054	5.719219	0.219918	0.828483	0.882844	-7.29996	6.084999	6.151641	6.183099	5.878371	5.703792	5.767901	6.054115	6.043026	6.056723	5.571821	5.469823	5.500009	5.441792	5.357098	5.356791	5.692441	5.595419	5.552378
ZNF185	ENSG0000	0.640852	4.379846	4.281409	0.000477	0.002597	-0.69933	2.568952	2.730641	2.758051	3.123142	3.112982	3.119801	2.513265	2.290412	1.962896	6.222291	6.209259	6.208233	5.868176	5.866886	5.854018	7.053636	6.895042	7.011128
CETN2	ENSG0000	-0.22016	5.346408	-2.62375	0.017504	0.045281	-4.16553	5.729467	5.699529	5.753101	5.960829	6.046703	6.038106	5.038289	5.431657	5.296047	4.786356	4.902278	4.932106	5.485908	5.568187	5.528785	4.856526	4.874338	4.988957
RPL10	ENSG0000	0.074223	10.09388	2.441911	0.025502	0.060933	-4.99001	10.41117	10.37296	10.37827	10.50248	10.53452	10.46491	10.50595	10.4819	10.49088	9.770239	9.704324	9.627087	9.710898	9.775118	9.755143	9.699581	9.719775	9.810012
CSGALNAC	ENSG0000	0.250104	5.532803	1.980769	0.063578	0.125214	-5.01893	8.264063	8.176082	8.211101	8.969727	8.902494	8.90293	8.426845	8.321688	8.404098	2.243849	2.590228	2.447834	2.902055	2.837366	2.906973	3.171932	3.127424	2.990979
ATP6V1B2	ENSG0000	0.106783	6.838915	1.00663	0.327846	0.447786	-6.90103	7.550929	7.552311	7.505407	8.101546	7.903982	7.963479	7.891555	7.896766	7.856492	6.040025	6.141856	6.055851	5.812803	5.722609	5.766693	5.838454	5.87814	5.911023
CCDC25	ENSG0000	-0.20151	5.852792	-3.82623	0.001294	0.005754	-1.77041	5.734094	5.78137	5.571218	5.842822	5.769991	5.743822	5.262806	5.435516	5.33439	6.170502	6.128238	6.197867	6.229912	6.190196	6.229054	6.059528	6.054811	6.084997
HMBOX1	ENSG0000	-0.24904	3.445561	-2.76245	0.013074	0.036054	-3.60236	3.210562	3.057038	3.204003	2.933382	2.85862	3.349911	2.884002	3.318907	3.306673	4.172174	4.296585	4.096105	4.167687	4.016884	4.072733	3.762638	3.890192	3.914098
BIN3	ENSG0000	0.20333	4.314575	1.565456	0.135401	0.22606	-5.89455	4.165822	4.190995	4.320409	3.740513	3.722109	3.818042	4.302704	4.436718	4.261781	4.468423	4.223947	4.583999	4.973543	4.872735	4.914999	4.739863	4.687803	4.597643
SLC25A37	ENSG0000	-0.06716	6.75388	-0.39984	0.694116	0.781124	-7.39811	6.577325	6.61304	6.495858	6.801717	6.711452	6.855724	6.311847	6.314337	6.19743	7.253729	7.26923	7.166617	6.452917	6.408816	6.440813	7.270028	7.362652	7.322736
CHMP7	ENSG0000	-0.03421	6.2211	-0.84237	0.41096	0.532668	-7.04665	6.140075	6.158464	6.10638	6.171319	6.079394	6.083584	6.065248	5.907876	6.104345	6.330998	6.3809	6.40786	6.384647	6.425171	6.407608	6.470338	6.37444	6.340636
DOCK5	ENSG0000	0.230034	6.718784	2.940886	0.008938	0.026576	-3.71627	7.361337	7.387862	7.501928	7.645406	7.542963	7.706773	7.91482	7.805023	7.77365	5.952982	6.023794	5.818136	5.669971	5.639075	5.745256	5.896979	5.93248	5.927013
PLPBP	ENSG0000	0.139949	5.305613	2.0741	0.053139	0.108828	-5.26701	4.996565	4.909804	4.66702	4.938614	5.013874	5.127141	4.819063	4.960553	4.549426	5.653226	5.58849	5.593562	6.001347	5.914003	5.88752	5.85183	5.893164	5.843128
ERLIN2	ENSG0000	-0.31801	6.544274	-6.35249	6.34E-06	8.99E-05	3.550777	6.943714	6.898301	6.847881	6.772099	6.630615	6.721057	6.608615	6.642827	6.591422	6.549478	6.394409	6.517263	6.50625	6.504276	6.525471	6.170447	6.167575	6.095646
RGS20	ENSG0000	0.222306	3.786965	1.916966	0.071739	0.137798	-5.28949	3.682132	3.686213	3.828148	2.605941	3.012388	3.051692	3.602068	3.535768	3.406029	4.261822	4.190981	4.32811	4.323482	4.363157	4.398437	4.640597	4.70304	4.602629
TACC1	ENSG0000	0.082845	4.943794	0.647904	0.525467	0.63902	-7.01911	4.543331	4.468622	4.464617	4.845887	4.795153	4.874612	4.606901	4.504423	4.475104	5.497899	5.570294	5.560106	4.929259	4.913495	4.935528	5.6317	5.607615	5.661529
GOLGA7	ENSG0000	0.077901	5.838024	1.722975	0.102538	0.18237	-5.92227	5.601118	5.536248	5.56323	5.640298	5.57921	5.566032	5.531176	5.708593	5.636714	6.01159	6.022456	6.010262	6.265968	6.286439	6.281546	6.056963	6.146831	6.113222
PLPP5	ENSG0000	0.4408	5.098955	7.916967	3.48E-07	9.31E-06	6.691794	4.984965	4.897622	4.892035	5.400559	5.399687	5.391041	5.452809	5.514266	5.493457	4.703453	4.716207	4.765977	5.217888	5.260752	5.33488	5.012893	5.063304	5.06679
GINS4	ENSG0000	-0.23945	4.008412	-1.58267	0.131423	0.220765	-5.85175	4.605251	4.543506	4.569365	3.605613	3.531716	3.572823	4.185161	4.436718	4.270596	4.939108	4.824575	4.974681	2.566893	2.743101	2.604018	4.677792	4.664642	4.775955
NSD3	ENSG0000	0.223426	6.040103	2.917266	0.009402	0.027686	-3.7501	5.440544	5.480165	5.620809	5.980046	5.856685	5.963613	5.931722	5.78015	5.754509	6.359482	6.410864	6.304487	6.267841	6.272043	6.17458	6.524244	6.448634	6.567956
TRIM55	ENSG0000	-1.0447	0.019662	-7.6176	5.91E-07	1.43E-05	6.377418	0.216396	0.410755	0.219246	0.106501	0.106501	0.3528	0.106501	0.106501	0.106501	4.256985	4.077032	4.282459	3.18974	3.065945	2.883013	3.218571	3.337278	3.352387
MRPS28	ENSG0000	0.103559	2.660342	0.910484	0.374953	0.49732	-6.20822	3.114469	2.61635	2.739267	2.766336	2.71237	2.924168	3.178682	3.178579	2.981126	2.777267	3.096753	2.826234	2.842976	2.925848	2.647333	2.901634	2.726388	2.896697
LACTB2	ENSG0000	-0.2936	5.394952	-2.78032	0.012589	0.034999	-3.94182	5.011887	5.063109	5.144898	4.809518	4.628433	4.834637	4.659269	4.928048	4.934903	5.948488	5.932721	5.930545	6.306622	6.320645	6.412847	5.62652	5.611658	5.685225
TERF1	ENSG0000	0.142107	5.316769	2.85979	0.010631	0.03051	-3.75095	5.030813	5.140963	5.141325	5.294904	5.244245	5.320436	5.286782	5.335791	5.256657	5.432908	5.407641	5.548285	5.35987	5.472807	5.403856	5.559256	5.615689	5.518482
RPL7	ENSG0000	-0.12917	9.875208	-3.60515	0.002104	0.008405	-2.57149	10.05948	10.03441	9.986361	9.856748	9.81089	9.843627	9.927058	9.910534	9.893618	10.01388	9.953423	9.816168	9.694803	9.820956	9.799917	9.732596	9.770491	9.857453
SYBU	ENSG0000	-0.56521	2.007292	-3.41122	0.00322	0.011846	-1.93346	2.218961	2.09705	2.109199	1.978268	2.193078	1.880533	1.525136	0.824004	1.445026	2.790717	2.980302	2.87437	3.303673	3.357127	3.548512	2.719047	2.634012	2.528753
MTDH	ENSG0000	0.420699	7.975625	5.632232	2.69E-05	0.00027	1.948525	7.635588	7.69171	7.743172	8.21016	8.176899	8.240373	8.220134	8.28044	8.222368	7.832453	7.835297	7.851852	7.754014	7.776289	7.793333	8.135466	8.130648	8.138963
LRP12	ENSG0000	0.521204	6.251006	4.447597	0.000332	0.001944	-0.45955	5.633672	5.654387	5.688471	6.373776	6.283111	6.38976	6.550384	6.609051	6.605426	6.351563	6.356686	6.360483	6.151938	6.122272	6.138353	6.539021	6.519199	6.55
EBAG9	ENSG0000	-0.12031	5.215597	-1.83625	0.083391	0.155178	-5.63766	5.118357	5.070363	5.141325	4.999073	4.982309	5.00189	5.213624	5.206241	5.126746	5.413478	5.4757	5.531872	5.55042	5.501884	5.544145	5.226496	5.214498	5.280993
POLR2K	ENSG0000	-0.12064	6.664735	-1.78991	0.090809	0.165471	-5.91868	6.619196	6.683324	6.549409	6.34865	6.293865	6.302701	6.682771	6.680716	6.688357	6.997329	6.930688	6.921197	6.74951	6.876695	6.849829	6.679846	6.696192	6.680701
MAL2	ENSG0000	0.104435	5.377812	2.076392	0.052903	0.108448	-5.49552	1.719036	1.631689	1.706811	1.326771	1.437317	1.250575	1.389995	1.001115	1.171446	10.03053	9.992468	9.973265	10.04896	10.11867	10.12872	10.07935	10.13318	10.19507
EIF3H	ENSG0000	-0.04957	8.53469	-0.74265	0.467557	0.587199	-7.332	8.345689	8.339606	8.311082	8.099664	8.125448	8.104625	8.21327	8.27668	8.272599	8.80956	8.765867	8.726107	9.011057	9.033727	9.031891	8.726676	8.733258	8.771629
UTP23	ENSG0000	0.070734	5.836119	0.795318	0.437097	0.558247	-7.06852	5.528401	5.306756	5.281005	4.803367	4.982309	4.854763	5.535185	5.636658	5.412136	6.510383	6.367264	6.441002	6.48869	6.520605	6.480274	6.417342	6.456523	6.540937
NDUFB9	ENSG0000	-0.18102	7.551156	-1.54398	0.140505	0.232388	-6.37331	7.460991	7.569051	7.519237	6.862152	6.972014	6.879249	7.289039	7.297141	7.327573	7.869764	7.762235	7.883657	8.042789	8.1316	8.122679	7.693458	7.691073	7.694869
TATDN1	ENSG0000	-0.12372	5.865604	-1.17358	0.25631	0.371225	-6.6923	5.797357	5.805478	5.743707	5.077635	4.888929	5.097889	5.502797	5.626565	5.519576	6.314798	6.319039	6.317603	6.340834	6.458395	6.425343	6.294279	6.216176	6.319593
FAM83A	ENSG0000	0.426434	7.047953	3.877018	0.001158	0.005256	-1.82642	6.321645	6.26346	6.296664	5.966346	6.084358	6.038106	6.983449	6.847872	6.83374	8.030384	8.024611	8.045347	6.79243	6.79179	6.773689	8.347832	8.342501	8.314462
GSDMC	ENSG0000	0.490342	-1.21355	1.273009	0.219687	0.329092	-5.31657	0.106501	0.316291	0.106501	0.52061	0.106501	0.106501	0.415731	0.387194	0.106501	1.555182	1.529011	1.027938	1.27873	1.622273	1.639204	1.45147	1.581179	1.370407
ZNF7	ENSG0000	-0.08608	5.481596	-1.06286	0.30231	0.421517	-6.75815	5.163648	5.164879	5.108765	4.881362	4.600983	4.761901	4.902122	4.997573	5.046897	5.93946	6.084032	6.034826	6.18304	6.211726	6.26426	5.989982	5.927624	6.047093
ARHGAP39	ENSG0000	-0.11114	4.909557	-1.09626	0.287839	0.40599	-6.61194	4.664623	4.604738	4.73022	4.290615	4.544465	4.351728	4.235306	4.397684	4.542164	5.162464	5.340512	5.479925	5.693852	5.625928	5.730227	5.473398	5.372937	5.063177
SLC39A4	ENSG0000	0.169101	5.390451	1.755742	0.096641	0.174057	-5.85326	4.433832	4.564207	4.504099	4.43289	4.515354	4.264152	4.079318	4.282412	4.3476	6.081653	6.327731	6.566441	6.55615	6.454151	6.512841	6.765584	6.721665	6.428903
NAPRT	ENSG0000	0.267513	4.77742	3.773522	0.001453	0.006288	-1.867	2.505419	2.49222	2.700947	3.041869	2.686486	2.697781	3.094248	2.777669	2.471058	6.714696	6.810261	6.955726	7.395165	7.415014	7.282445	7.189784	7.196301	6.893997
VLDLR	ENSG0000	0.946554	5.032243	11.00016	2.79E-09	2.35E-07	11.59434	4.876148	4.769782	4.950366	5.836811	5.732536	5.921298	5.750487	5.856983	5.980865	4.14101	4.305413	4.224215	4.586193	4.707838	4.715769	5.041713	5.054421	5.011626
AK3	ENSG0000	-0.26802	5.180554	-5.81198	1.87E-05	0.000206	2.619381	5.552176	5.654387	5.628485	5.277258	5.387689	5.230878	5.310366	5.45466	5.265504	5.272006	5.235883	5.174383	4.893312	4.834061	4.900154	4.888608	4.987552	5.044977
UHRF2	ENSG0000	0.171542	5.071236	2.986683	0.008101	0.024549	-3.43804	5.207561	5.033724	5.082923	5.28169	4.917027	5.089421	5.365443	5.439365	5.363523	5.038288	5.125563	5.037335	4.931624	4.830791	4.917949	5.139487	5.146465	5.12686
NFIB	ENSG0000	0.140646	5.133996	1.212449	0.241475	0.35395	-6.43178	5.030813	4.999934	5.025938	5.565938	5.681033	5.855404	5.347317	5.408281	5.408147	4.634266	4.806033	4.542892	5.632665	5.646534	5.813395	4.54867	4.617172	4.641909
PLIN2	ENSG0000	-0.33101	3.77857	-5.25557	5.89E-05	0.000498	1.562068	3.420312	3.526613	3.384088	2.393052	2.737798	2.924168	2.884002	2.894433	3.00245	5.170202	5.242793	5.178223	4.238165	4.312477	4.228211	4.978075	4.884398	4.946447
HAUS6	ENSG0000	-0.24826	5.16827	-3.98736	0.000908	0.004326	-1.33152	5.808367	5.683061	5.579162	4.803367	4.801196	4.772519	5.213624	5.396449	5.220718	5.60265	5.459973	5.461135	4.577158	4.668079	4.558265	5.380055	5.380064	5.428683
CDKN2B	ENSG0000	-0.37839	1.280281	-6.40383	5.73E-06	8.31E-05	3.778467	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	6.601919	6.701606	6.715924	7.588906	7.527857	7.489015	6.302962	6.283608	6.243427
CDKN2A	ENSG0000	0.382869	0.633718	4.660076	0.000209	0.001346	0.268643	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.930021	5.21026	5.271048	5.959081	6.049585	6.067042	5.705599	5.515684	5.284099
C9orf72	ENSG0000	0.828596	3.415521	3.963917	0.000956	0.004515	-0.92359	3.710582	3.568199	3.511328	4.281793	4.139571	4.271657	4.956946	4.922558	4.956916	3.036317	2.980302	2.992487	2.649667	2.811056	2.703134	2.843302	2.770449	3.149291
ZCCHC7	ENSG0000	0.067929	4.647613	1.136682	0.271016	0.387597	-6.51395	4.145127	4.299916	4.16017	4.456603	4.447623	4.308605	4.068294	4.119235	3.946814	4.933056	5.100422	5.081065	5.349295	5.408455	5.319341	5.165907	5.182242	5.280993
FBXO10	ENSG0000	-0.09886	1.214347	-0.72274	0.479399	0.59843	-6.15507	1.069823	1.002471	1.088647	1.182548	1.373859	1.526279	0.782422	0.622068	0.833554	2.558849	2.714733	2.355887	2.95881	2.756951	2.918805	2.539649	2.568968	2.629903
SIGMAR1	ENSG0000	0.430794	6.696577	3.231311	0.00477	0.016245	-3.1489	6.159124	6.15335	6.167376	7.155682	7.135191	7.112348	6.876914	6.685586	6.698191	6.692477	6.634884	6.689934	6.631547	6.564578	6.58516	6.935755	6.98037	6.943962
CBWD5	ENSG0000	-0.05052	3.648879	-0.55519	0.585798	0.691205	-6.67684	4.192962	4.15733	4.208773	4.082842	4.040879	3.878271	4.283766	4.38177	4.235006	3.568508	3.478738	3.419749	3.360948	3.348006	3.317756	3.053433	3.317614	3.509302
CEP78	ENSG0000	-0.3028	4.949723	-3.26237	0.004458	0.015358	-2.86208	5.799565	5.720428	5.743707	4.605448	4.701332	4.745826	5.414148	5.492201	5.351109	5.344475	5.361828	5.376759	3.840269	3.688714	3.578659	5.14915	4.933671	5.220652
NTRK2	ENSG0000	0.210173	0.558107	1.626189	0.121803	0.208547	-5.49979	0.216396	0.106501	0.219246	0.258133	0.389229	0.3528	0.106501	0.106501	0.39151	3.805587	3.964495	3.905414	4.583188	4.455227	4.419411	4.078031	4.106163	4.087723
IDNK	ENSG0000	0.264973	2.815413	2.206876	0.040961	0.088704	-4.40664	2.526909	3.114308	2.865896	3.290819	3.242978	3.321269	2.884002	3.023117	2.748518	2.664903	2.646894	2.855308	3.395624	3.077028	3.462206	3.254827	2.985098	2.944608
SHC3	ENSG0000	0.227916	0.584137	1.298548	0.210972	0.318279	-5.50411	0.814199	0.736739	0.756332	0.934951	0.625525	0.746642	1.389995	1.082132	0.925731	2.204194	2.372288	2.213454	1.548989	1.282615	1.284217	2.479639	2.124453	2.200755
AUH	ENSG0000	-0.45218	4.183156	-7.34585	9.66E-07	2.09E-05	5.792775	4.473109	4.569336	4.48167	4.487626	4.668652	4.656929	3.965091	3.978187	4.243986	4.242376	4.23323	4.213027	4.298046	4.403337	4.372859	3.793775	3.713375	3.969186
MFSD14B	ENSG0000	-0.14013	6.997713	-4.39417	0.000373	0.00213	-0.64973	7.06711	7.159503	7.102433	6.887089	6.96799	6.914431	7.012497	7.065227	6.94668	7.110921	7.146867	7.121956	6.920586	6.904958	6.974108	6.93924	6.956728	6.970241
AOPEP	ENSG0000	-0.1721	6.509459	-2.65729	0.016317	0.042839	-4.29289	6.41968	6.446027	6.377849	6.935707	6.991964	6.914431	6.419869	6.395831	6.405835	6.332149	6.310295	6.335768	7.027265	7.031417	7.062762	6.036282	6.045875	5.983532
PLPPR1	ENSG0000	-0.03916	-1.32684	-0.19221	0.849796	0.899069	-6.01798	0.216396	0.106501	0.219246	0.258133	0.25478	0.2349	0.106501	0.106501	0.106501	1.158593	1.335727	1.094478	1.897591	1.738515	1.923865	1.13872	1.329561	1.416439
ZNF462	ENSG0000	-0.44694	5.215282	-4.60482	0.000236	0.001477	0.017644	5.214199	5.134056	5.322611	4.674482	4.733289	4.889321	4.384974	4.489649	4.288067	5.849142	5.770051	5.616386	5.930988	5.876434	5.909924	5.528118	5.530707	5.497221
INIP	ENSG0000	-0.10344	5.254586	-2.367	0.029709	0.068603	-4.72063	5.194191	5.250391	5.211151	5.12773	4.900234	4.997371	5.021241	5.078784	5.165072	5.636563	5.597503	5.507659	5.375589	5.29912	5.441254	5.520693	5.480747	5.478356
UGCG	ENSG0000	0.185471	5.929613	1.634827	0.119967	0.20594	-6.02519	5.451823	5.433112	5.431935	6.603556	6.405176	6.583107	6.034424	6.126568	6.121501	5.871466	5.760453	5.724072	6.274378	6.292394	6.361751	5.505727	5.627716	5.57792
SNX30	ENSG0000	-0.28329	5.304994	-4.40107	0.000367	0.002109	-0.47565	4.610293	4.729112	4.671981	4.502891	4.500575	4.685302	4.688362	4.715948	4.313883	6.354963	6.40266	6.358792	5.939239	5.896905	5.836971	5.983245	5.956519	6.106218
STOM	ENSG0000	-0.36323	8.227883	-4.97024	0.000108	0.000804	0.51699	8.193586	8.236979	8.149298	8.302469	8.229382	8.299845	7.541078	7.584657	7.521912	8.505217	8.462944	8.424705	8.563295	8.591152	8.5704	8.323768	8.335185	8.357868
GSN	ENSG0000	-0.06645	6.634522	-0.57655	0.571598	0.680082	-7.26775	6.031501	6.000355	6.097189	6.845783	6.869341	6.881703	5.396627	5.281075	5.435842	6.619926	6.675457	6.746637	8.008194	7.954751	7.954688	7.08103	7.004399	6.849598
MRRF	ENSG0000	-0.12648	6.023482	-1.84106	0.082652	0.154126	-5.73323	6.489753	6.427787	6.447493	6.125209	6.076905	6.180453	6.468897	6.429119	6.269562	5.934924	5.736174	5.837692	5.707717	5.896905	5.826017	5.596816	5.670976	5.720055
NR6A1	ENSG0000	-0.05989	3.294348	-0.22356	0.825691	0.880791	-6.72851	2.568952	2.819419	2.600444	4.350907	4.167908	4.271657	2.908934	3.335526	3.306673	3.772076	3.842432	3.70172	3.475595	3.38415	3.62273	3.209363	3.385297	3.352387
ALAD	ENSG0000	0.027671	5.221185	0.211056	0.835285	0.887502	-7.24521	4.081197	4.101775	4.188143	4.910272	4.944587	4.908703	4.968851	4.928048	4.849226	5.776643	5.726347	5.809496	6.428007	6.41974	6.364998	5.412514	5.554003	5.411738
ASTN2	ENSG0000	-1.04302	1.481257	-4.82519	0.000147	0.001024	1.140308	4.199669	3.846899	4.011539	3.083078	3.112982	3.335661	2.957542	3.160038	2.937508	0.88529	1.029669	1.188864	1.088368	0.938214	1.002253	0.63264	1.024588	0.497646
WDR31	ENSG0000	-0.54324	3.346289	-4.1477	0.000639	0.003258	-0.64656	3.572735	3.370829	3.698006	2.887595	3.012388	2.652511	2.779728	2.324112	2.309357	4.318634	4.066685	4.112253	3.988472	4.10073	4.165038	3.865871	3.903444	3.914098
POLE3	ENSG0000	-0.0525	7.365862	-1.59004	0.12975	0.218701	-6.29775	7.354593	7.256499	7.298828	6.862152	6.853435	6.874328	7.224713	7.236492	7.280343	7.837322	7.767436	7.851251	7.240186	7.235	7.272104	7.760794	7.749571	7.796821
SURF4	ENSG0000	1.170512	8.359882	12.34456	4.62E-10	6.58E-08	13.22438	7.620049	7.655995	7.646298	9.004329	8.968086	9.018669	9.102346	9.044548	9.038743	7.682696	7.660547	7.625867	8.266059	8.21987	8.28832	8.616269	8.547644	8.560118
SURF1	ENSG0000	0.071811	5.195914	1.487516	0.154698	0.25041	-6.13755	4.880328	4.992316	4.892035	5.367584	5.342823	5.334836	5.026946	5.078784	5.102264	5.141621	5.108011	5.288917	5.693852	5.715534	5.680705	5.168285	5.217154	5.227124

SURF2	ENSG0000	0.325475	5.097947	4.487912	0.000304	0.001814	-0.2477	4.29042	4.204245	4.363979	4.3081	4.628433	4.434292	5.003988	4.825892	4.951444	5.645844	5.660785	5.75397	5.632665	5.719076	5.64197	5.923967	5.893164	5.729203
SURF6	ENSG0000	-0.09744	6.716842	-1.43438	0.169116	0.268261	-6.45353	6.647676	6.697448	6.691769	6.117792	6.319354	6.213949	6.477256	6.553309	6.627897	6.950162	6.992806	7.1039	7.003857	6.952372	6.973399	7.060694	6.856383	6.922191
MED22	ENSG0000	-0.0389	5.58008	-0.70393	0.490752	0.60823	-7.07376	5.350006	5.393175	5.217952	5.195063	5.438974	5.414959	5.448564	5.132077	5.427983	5.891891	5.939825	5.990742	5.907152	5.783078	5.867817	5.847385	5.93893	5.821907
REXO4	ENSG0000	-0.09867	6.243182	-2.14433	0.046337	0.097715	-5.27633	6.031501	6.08516	6.207222	5.910205	5.910785	5.827671	5.872748	5.981	5.961941	6.60763	6.499118	6.689934	6.562268	6.441343	6.49418	6.601945	6.567867	6.483982
RPL7A	ENSG0000	-0.06759	10.5526	-1.51905	0.146632	0.240276	-6.58362	10.8884	10.83877	10.85781	10.72728	10.76832	10.7109	10.86537	10.86446	10.87449	10.40634	10.31236	10.26415	10.32169	10.35988	10.33927	10.11369	10.20401	10.24784
GTF3C5	ENSG0000	-0.37481	6.395391	-5.70236	2.33E-05	0.000243	2.211035	6.712412	6.699788	6.702718	5.944151	6.041607	5.860389	6.143489	6.230187	6.121501	6.770915	6.650558	6.7912	6.430517	6.424086	6.411801	6.558188	6.514889	6.431707
ASB6	ENSG0000	-0.23502	6.301646	-5.67729	2.46E-05	0.000252	2.171016	6.535529	6.465415	6.478973	6.059623	6.175571	5.935541	6.29303	6.212301	6.260741	6.617098	6.510614	6.653845	6.21154	6.144832	6.120533	6.396195	6.40737	6.292079
PTGES2	ENSG0000	-0.17552	6.41535	-2.54677	0.020546	0.051403	-4.54221	6.333889	6.285444	6.460454	5.974582	6.180215	6.020397	5.97958	5.935393	5.848765	6.812716	6.759769	6.869289	6.665333	6.610115	6.588868	6.899	6.846125	6.728241
NTMT1	ENSG0000	-0.04261	5.973114	-0.60371	0.553791	0.664167	-7.20713	5.851589	5.661609	5.980067	5.506594	5.797458	5.500479	5.498697	5.708593	5.646906	6.361737	6.254406	6.521048	6.109746	6.115569	6.09077	6.484721	6.424707	6.4373
CIZ1	ENSG0000	-0.07752	6.895033	-1.77648	0.093064	0.168811	-5.9591	6.956639	6.950339	7.06332	6.717532	6.736896	6.701742	7.009618	6.755179	6.855875	7.009602	6.977008	7.021864	6.973764	6.867149	6.851373	6.973638	6.943157	6.971205
SLC25A25	ENSG0000	-0.30861	5.20899	-4.18533	0.000588	0.00306	-0.91794	5.611213	5.474709	5.519862	4.316764	4.558804	4.48682	5.383345	5.356295	5.287386	5.76817	5.68973	5.821823	5.121745	4.985845	4.970056	5.479156	5.398901	5.280993
SH3GLB2	ENSG0000	-0.1447	6.810146	-2.00302	0.060934	0.121331	-5.57628	6.510127	6.407883	6.418267	6.454505	6.622106	6.415394	6.184906	6.012346	6.188155	7.117607	7.108922	7.107932	7.724312	7.622616	7.660459	7.08103	7.149796	7.049063
MIGA2	ENSG0000	0.159119	4.898266	2.132074	0.047464	0.099489	-5.10867	4.117062	3.991467	4.288462	4.59836	4.507984	4.48682	4.695544	4.397684	4.570996	5.542307	5.423946	5.516787	5.541158	5.352544	5.532641	5.568288	5.498321	5.494541
PTGES	ENSG0000	-0.23525	7.751232	-1.10168	0.285542	0.403149	-6.90841	8.107058	8.132132	8.04034	8.865082	8.897214	8.872407	8.370183	8.313323	8.346376	7.66774	7.543702	7.70586	6.710792	6.752581	6.736567	6.84651	6.834929	6.923187
LCN2	ENSG0000	-1.61446	5.048983	-7.24045	1.17E-06	2.44E-05	5.585765	6.719429	6.575297	6.647119	7.358099	7.246777	7.339101	4.568297	4.436718	4.549426	3.985951	3.936355	3.990867	4.742532	4.634714	4.725907	3.516101	3.667508	3.398988
LRSAM1	ENSG0000	-0.35752	4.978829	-2.65012	0.016564	0.04332	-4.0838	5.487883	5.441528	5.528093	4.845887	4.928114	4.874612	4.914487	4.837607	4.956916	4.948139	4.84591	4.828401	5.318904	5.231292	5.314871	4.77149	4.70304	4.694231
GPR107	ENSG0000	0.071279	7.901359	1.544496	0.140381	0.232251	-6.39284	7.772325	7.809638	7.870553	7.654832	7.668927	7.668911	7.975087	8.034822	7.954116	7.9985	8.012196	7.99616	7.980765	7.984118	7.996812	8.003517	7.975775	7.979928
PAXX	ENSG0000	0.229203	4.987954	3.150941	0.00568	0.018668	-3.06553	4.825019	4.796272	4.874926	5.259393	5.488499	5.151751	5.066264	5.117737	5.169792	4.85838	4.851948	5.011739	4.941045	4.947106	5.036727	5.112574	5.057388	5.055925
INPP5E	ENSG0000	-0.30278	4.554062	-3.69024	0.001746	0.007265	-1.83052	4.776503	4.804995	5.101429	4.400654	4.600983	4.506036	4.659269	4.677356	4.380548	4.645413	4.630987	4.793777	4.742532	4.537767	4.558265	4.430811	4.530146	4.323421
SEC16A	ENSG0000	0.018059	7.795004	0.147971	0.884059	0.923025	-7.55127	7.316537	7.333129	7.432002	7.947593	7.989162	7.984182	7.334607	7.315058	7.291214	8.139531	8.137674	8.015071	7.937	7.895727	7.886281	8.230413	8.126769	8.122134
DPH7	ENSG0000	-0.13771	5.126428	-2.20539	0.041081	0.088883	-4.99369	5.304069	5.25994	5.27123	4.765896	4.70778	4.942007	5.267633	5.160337	5.067277	5.364851	5.288033	5.427652	5.227545	5.096185	5.231938	5.275849	5.157568	5.223892
NOTCH1	ENSG0000	0.230057	5.300664	1.349424	0.194422	0.298368	-6.29756	6.234531	6.197082	6.491655	5.990913	6.168576	6.09843	6.510216	6.247853	6.423728	4.517783	4.709571	4.768526	3.730461	3.544454	3.421201	5.194188	5.132464	4.926702
NACC2	ENSG0000	-0.19168	7.064366	-3.07355	0.006717	0.021274	-3.47455	8.038577	8.1182	8.25226	7.905137	8.030902	7.945997	7.830065	7.780957	7.767435	6.078915	6.226791	6.187425	6.313893	6.169635	6.265419	6.18696	6.177154	6.123666
PROSER2	ENSG0000	-0.15939	3.824915	-0.78848	0.440979	0.561895	-6.60735	4.579773	4.330447	4.631806	3.408969	3.808643	3.722706	3.774765	3.521314	3.856018	3.584041	3.626949	3.669344	4.207266	3.958151	4.21867	3.923315	4.047684	3.856822
USP6NL	ENSG0000	-0.08707	4.897094	-1.38709	0.182851	0.284566	-6.22275	4.876148	4.830853	4.763138	4.921675	4.97698	4.772519	4.702691	4.855002	4.726452	5.032639	4.967692	4.961372	5.302552	5.296751	5.391172	4.980783	4.833383	4.849107
COMMD3	ENSG0000	-0.36081	2.590784	-2.6033	0.018267	0.046769	-3.55185	3.541402	3.483793	3.55495	3.605613	3.630051	3.560621	3.238915	2.825515	2.723053	2.263275	2.212518	2.16783	2.357702	2.467968	2.716753	2.154563	2.354144	2.252429
MSRB2	ENSG0000	-0.03811	3.90982	-0.51309	0.614313	0.715542	-6.73793	4.569455	4.569336	4.339244	4.456603	4.675247	4.772519	4.437325	4.389749	4.404775	3.552807	3.390227	3.538032	3.557503	3.520297	3.533199	3.552967	3.520448	3.444131
PDSS1	ENSG0000	-0.19555	3.86522	-3.06605	0.006827	0.021521	-3.0649	4.271448	4.243278	4.131643	3.290819	3.656958	3.292047	3.916741	3.956862	4.17992	4.430262	4.331577	4.282459	3.675081	3.614588	3.65138	4.245042	4.123255	4.115895
FAM171A1	ENSG0000	1.149553	0.402819	3.616993	0.00205	0.008225	-1.24071	4.664623	4.589672	4.44736	5.664257	5.690831	5.741121	5.814563	5.711779	5.738712	0.106501	0.185134	0.106501	0.106501	0.190544	0.186984	0.106501	0.106501	0.106501
MINDY3	ENSG0000	-0.24216	4.557503	-1.99557	0.061807	0.122676	-5.16955	5.49062	5.528369	5.423134	4.833866	4.883243	4.78306	5.173034	5.155666	5.131593	3.956418	4.066685	4.171248	4.272153	4.215509	4.27499	3.917673	4.005291	3.961444
RSU1	ENSG0000	-0.06312	5.453659	-1.05324	0.306574	0.42592	-6.68576	5.715497	5.76358	5.743707	5.915919	5.952107	5.894815	5.910274	5.764893	5.875015	5.157281	5.105486	5.256592	5.261781	5.331874	5.292308	4.922811	4.910886	5.019105
PARD3	ENSG0000	-0.1772	6.015513	-1.37661	0.186014	0.288291	-6.38978	7.010073	7.005305	6.959619	6.323078	6.287422	6.271226	6.631265	6.664365	6.643251	5.276793	5.35971	5.356567	5.629755	5.640943	5.58556	5.319295	5.326959	5.442654
ZEB1	ENSG0000	0.226665	1.887459	0.832032	0.416615	0.538559	-5.87431	4.219602	4.34846	4.174224	4.112999	4.376555	4.610338	4.4712	4.436718	4.520155	0.982259	1.152172	0.958181	0.407676	0.612281	0.404558	0.974502	1.206659	0.999041
NRBF2	ENSG0000	-0.09719	4.726869	-1.39392	0.180812	0.282504	-6.11649	5.493352	5.39028	5.443586	5.404628	5.411586	5.2875	5.324334	5.174263	5.07736	4.156676	4.195737	4.205521	4.215053	4.259953	4.25646	4.171084	4.386537	4.305185
POLR3A	ENSG0000	-0.11598	6.087902	-2.54323	0.020697	0.05167	-4.48843	6.415366	6.381882	6.443147	6.171319	6.163893	6.244779	6.192541	6.203275	6.222635	6.065146	6.077605	6.048527	5.732343	5.692298	5.833849	6.029758	6.009569	6.050746
HERC4	ENSG0000	0.008812	5.8152	0.150541	0.882061	0.921555	-7.21917	6.809865	6.786028	6.810127	7.329489	7.222215	7.307506	6.887928	6.862281	6.73369	4.634266	4.771408	4.586891	4.863895	4.9104	4.866948	4.684453	4.572242	4.665927
LRMDA	ENSG0000	-0.15381	-1.4136	-0.8348	0.415097	0.537036	-5.5346	2.392887	2.730641	2.641489	2.577385	2.429905	2.5075	2.446718	2.389238	2.274723	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CAMK2G	ENSG0000	-0.11158	5.714286	-1.42402	0.17205	0.272006	-6.33636	5.720169	5.685425	5.666267	5.44865	5.287935	5.397916	5.774426	5.733887	5.745052	6.023031	5.952525	5.885453	6.02701	5.903146	5.934902	5.679162	5.753789	5.749576
ADIRF	ENSG0000	0.645922	1.310437	7.875415	3.74E-07	9.89E-06	6.626777	0.106501	0.106501	0.219246	0.258133	0.106501	0.2349	0.269385	0.106501	0.256032	5.475171	5.542561	5.626259	6.263154	6.417562	6.317744	6.151341	6.226757	6.142619
GLUD1	ENSG0000	-0.20456	7.071674	-2.64703	0.016672	0.043561	-4.39789	7.246211	7.269162	7.246577	7.192629	7.123181	7.173716	6.920476	7.017103	7.01647	7.265217	7.257905	7.277277	6.68439	6.739561	6.709575	7.099215	7.133722	7.11859
ANKRD1	ENSG0000	-4.88349	0.706982	-4.7813	0.000161	0.001103	1.038713	7.13603	6.76718	6.837983	0.934951	1.612488	1.757653	1.867984	1.809233	2.087859	0.7264	0.462741	0.639567	1.186687	0.837535	0.651457	0.106501	0.358227	0.214669
RPP30	ENSG0000	-0.21768	4.372133	-3.58781	0.002186	0.008665	-2.00576	5.246942	5.041126	5.101429	4.40878	4.43213	4.30129	4.799197	5.002785	5.021009	4.377757	4.314187	4.358889	3.835226	3.67419	3.747398	4.083081	4.094656	4.197255
FRA10AC1	ENSG0000	-0.26739	3.728139	-2.04237	0.0565	0.114194	-4.84915	4.992709	5.044814	4.950366	4.532944	4.091068	4.34463	4.666597	4.59002	4.801363	3.002038	3.065914	3.125724	3.125084	3.223865	3.075009	2.890155	2.99751	2.896697
ADD3	ENSG0000	0.272805	5.958548	2.872856	0.010339	0.029857	-3.79511	5.275788	5.39028	5.341417	6.154502	6.243717	6.204178	5.817858	5.996758	5.970082	5.790099	5.793771	5.82305	6.778045	6.76377	6.844411	5.875309	5.914593	5.724636
DNAJB12	ENSG0000	0.185979	4.800702	2.425864	0.026353	0.062568	-4.51839	4.29042	4.306074	4.235828	4.701197	4.776871	4.627987	4.96291	4.703199	4.599264	5.038288	4.939615	5.153077	5.35987	5.223832	5.290032	5.059757	5.123998	4.99276
EIF4EBP2	ENSG0000	0.498248	6.951202	6.250131	7.75E-06	0.000106	3.296138	6.124301	6.161863	6.086081	7.123947	7.023321	7.10921	6.946297	6.896284	6.842635	7.008164	7.051048	6.959078	7.380525	7.354815	7.42512	7.270028	7.273604	7.31136
PLEKHS1	ENSG0000	-0.67423	0.670846	-2.77853	0.012636	0.035104	-3.49102	0.106501	0.215206	0.106501	0.258133	0.25478	0.106501	0.415731	0.387194	0.629397	4.172174	4.157244	4.021115	5.423425	5.40626	5.538404	3.272618	3.277464	3.375875
TCF7L2	ENSG0000	-0.05849	4.43177	-0.35844	0.724308	0.804579	-6.95991	4.145127	4.268725	4.37619	5.299283	5.446705	5.246196	4.4712	4.332946	4.339245	4.517783	4.439772	4.369004	4.344933	4.385617	4.406863	4.276243	4.232297	4.129778
MKI67	ENSG0000	0.164406	5.927741	0.543262	0.593811	0.697877	-7.19246	6.792225	6.852753	6.901667	6.422753	6.58581	6.670859	7.449521	7.260623	7.325459	6.108753	6.206905	5.968739	3.181815	3.020741	3.361763	5.857736	5.735381	5.789478
INA	ENSG0000	-0.5566	-1.92683	-2.27396	0.035837	0.079667	-3.65538	1.990546	1.978677	1.888281	2.063099	1.768674	1.799787	1.160105	1.367163	1.50602	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
FUOM	ENSG0000	0.92338	2.544553	5.296933	5.40E-05	0.000466	1.995732	2.245129	2.039077	1.818408	2.740812	2.926537	2.675323	2.806512	3.122225	3.124172	2.14259	2.174476	2.693003	3.703037	3.568213	3.615478	2.968656	3.182818	2.830235
LRRC27	ENSG0000	-0.07486	2.183868	-0.39566	0.69714	0.783258	-6.27654	3.128595	3.142112	3.296854	3.376187	3.616407	3.548316	3.296733	3.178579	2.892531	1.199504	2.074736	1.538714	2.129525	2.381211	2.257813	1.45147	1.737342	1.461048
MTG1	ENSG0000	-0.31532	1.153097	-1.64215	0.118428	0.20384	-4.95772	1.894617	2.206444	2.018628	1.634586	1.909591	2.098749	1.70672	1.85606	1.50602	1.616888	1.752042	1.653508	1.524131	1.077171	1.801384	1.734264	1.645686	1.273688
PAOX	ENSG0000	-0.20904	0.598918	-0.94325	0.358412	0.480277	-5.70055	1.336422	1.374745	1.406977	1.393812	1.437317	1.475193	0.782422	1.15884	0.735084	1.457372	1.152172	1.387696	2.009285	1.393161	1.749324	1.512637	1.581179	1.322858
GSTO1	ENSG0000	-0.04775	6.244022	-1.04334	0.311007	0.43065	-6.77154	7.527133	7.613178	7.58581	7.292634	7.252302	7.213225	7.505762	7.554807	7.450007	5.259969	5.263327	5.232786	4.774502	4.875912	4.749288	5.208123	5.307153	5.21089
TAF5	ENSG0000	-0.38625	2.736531	-2.41341	0.027032	0.063784	-4.08772	2.949211	3.057038	2.900124	3.083078	2.686486	2.719893	2.752438	2.753138	2.239236	3.512789	3.569479	3.625013	2.626498	2.596763	2.365487	3.415594	3.2466	3.050576
PPRC1	ENSG0000	-0.05616	6.91214	-0.99527	0.333185	0.453513	-6.97237	7.397515	7.392934	7.350026	6.876873	6.955853	7.011748	7.332305	7.056482	7.216766	6.746966	6.653153	6.716585	6.624986	6.452024	6.551355	6.784308	6.750367	6.775368
ITPRIP	ENSG0000	0.664285	6.078052	2.285916	0.034988	0.078299	-4.62086	8.649237	8.677002	8.680763	9.135602	9.184652	9.171404	9.521484	9.434629	9.480372	3.87668	3.70241	3.919248	2.343563	1.970168	2.200805	3.848182	3.765107	3.698167
CNNM2	ENSG0000	0.758751	3.247294	5.097179	8.23E-05	0.00065	1.527959	2.725848	2.870177	3.133821	4.333937	4.493129	4.440963	3.879385	3.809996	3.979442	2.749986	2.829342	2.693003	3.388755	3.495729	3.244428	3.152846	2.985098	3.162857
PDCD11	ENSG0000	-0.30781	7.49347	-6.71277	3.15E-06	5.26E-05	4.172974	7.888424	7.87375	7.925074	7.190274	7.279611	7.325645	7.518981	7.439427	7.441249	7.679988	7.631882	7.628326	7.310018	7.261352	7.281872	7.469288	7.448783	7.438803
ADAM12	ENSG0000	2.021308	-0.88072	5.792424	1.94E-05	0.000212	2.726859	1.475543	1.591918	1.406977	2.864145	2.835252	3.03415	3.238915	3.232814	3.373665	0.106501	0.106501	0.16959	0.234608	0.190544	0.106501	0.183756	0.2791	0.106501
RGS10	ENSG0000	-0.06486	3.655888	-0.36046	0.72282	0.803617	-6.77106	4.252223	4.383825	4.412214	3.910405	4.081169	3.776446	3.774765	3.736817	3.681923	3.102524	3.166245	3.283783	3.809739	3.903166	3.8186	3.637781	3.772348	3.421736
BTBD10	ENSG0000	-0.14112	5.703548	-1.87201	0.078037	0.147568	-5.58953	6.362559	6.413598	6.312635	6.679412	6.482423	6.646533	6.205178	6.339273	6.140861	5.12844	5.1649	5.216073	4.952736	5.006281	5.11852	5.085149	5.021374	4.958165
ADM	ENSG0000	-1.22984	3.969053	-6.30432	6.97E-06	9.72E-05	3.845945	6.658669	6.506104	6.603642	4.190466	4.310303	4.121933	4.974767	4.889176	5.117003	3.659289	3.780465	3.834184	1.776519	1.528499	1.923865	3.637781	3.317614	3.466183
LIN7C	ENSG0000	0.092153	5.228028	1.100935	0.285856	0.403543	-6.61943	5.493352	5.51514	5.530827	5.491368	5.415531	5.438487	5.81126	5.954347	5.869223	5.099011	5.217293	5.158919	4.639246	4.697103	4.591911	4.975361	4.920695	5.022829
IMMP1L	ENSG0000	-0.17566	2.562242	-1.50147	0.151084	0.246099	-5.47528	3.420312	3.61855	3.28395	2.955742	2.926537	2.532704	3.219115	3.619579	3.271973	2.894025	2.604605	2.558044	2.044674	2.21055	2.121111	2.448672	2.37332	2.48622
PGAP2	ENSG0000	-0.02656	4.348643	-0.35337	0.728039	0.807213	-6.99108	4.245758	4.440906	4.332993	4.54774	4.485643	4.48682	4.057185	4.019913	4.042563	4.391063	4.251617	4.47583	4.787617	4.686287	4.782046	4.61293	4.473517	4.45606
TUT1	ENSG0000	-0.34837	3.702193	-4.25425	0.000506	0.002725	-0.54624	3.262728	3.516026	3.217639	2.933382	2.660129	2.697781	2.806512	2.848856	2.723053	4.699893	4.878812	4.825955	4.851459	4.774033	4.72927	4.570409	4.563921	4.477932
SYT8	ENSG0000	0.644916	-1.64314	3.381888	0.003434	0.012476	-1.72372	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.028404	1.112482	0.993481	2.162115	1.819936	2.18129	1.542275	1.289746	1.461048
ZNF215	ENSG0000	-0.23659	-1.24543	-1.05832	0.304319	0.423448	-5.35661	2.9807	3.057038	3.013906	2.766336	2.398361	2.5075	3.115825	2.540248	2.560038	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
HSD17B12	ENSG0000	0.025648	6.519732	0.690333	0.49905	0.616156	-7.18472	7.055142	6.970834	6.985753	6.681091	6.642445	6.656599	7.121837	7.071441	7.041151	6.284221	6.24526	6.244398	5.976366	6.026902	5.949395	6.244437	6.18667	6.275002
APIP	ENSG0000	-0.27233	4.226317	-3.32781	0.003865	0.013713	-2.48757	5.197545	5.077581	5.097747	4.784753	4.56592	4.447604	4.673889	4.771967	4.889843	3.851231	3.854512	3.914651	3.714069	3.759216	3.81227	3.730814	3.68296	3.753014
DGKZ	ENSG0000	0.114496	5.61903	1.676396	0.111455	0.194445	-5.96478	5.501516	5.590232	5.592306	5.218368	5.49597	5.183924	5.502797	5.503276	5.552477	5.698525	5.686355	5.775677	5.917927	5.8476	5.80545	6.02189	5.969178	5.826176
EIF3M	ENSG0000	-0.32543	7.498541	-4.06058	0.000773	0.0038	-1.41917	8.077781	8.121695	8.045605	7.454482	7.325407	7.389981	7.485187	7.534258	7.594798	7.440767	7.392934	7.408935	7.317723	7.310896	7.323636	7.265592	7.301401	7.333273
TNKS1BP1	ENSG0000	-0.1831	7.367497	-2.03586	0.057213	0.115325	-5.57727	7.048657	7.062806	7.050044	6.824678	7.029769	6.868153	6.481417	6.393849	6.468472	7.789554	7.813803	7.869179	8.129294	8.055546	8.07159	7.947509	7.924697	7.96258
SSRP1	ENSG0000	-0.16924	8.152639	-5.22998	6.22E-05	0.000521	1.060534	7.790208	7.794934	7.767711	7.33483	7.345188	7.340886	7.565785	7.547693	7.524679	8.959998	8.838179	8.97405	8.562532	8.571204	8.50396	8.817159	8.770574	8.840781
PTPRJ	ENSG0000	0.004457	6.416156	0.036817	0.971049	0.981384	-7.40624	6.843439	6.879841	6.879321	7.030922	7.036188	7.026239	7.109791	7.037562	7.023006	6.226009	6.216297	6.208233	5.441792	5.436694	5.397528	6.033676	5.961279	6.047093
C11orf49	ENSG0000	-0.04827	4.413737	-0.6329	0.53499	0.647617	-6.86519	4.296689	4.14364	4.16017	4.525489	4.594038	4.639633	3.904396	3.879643	3.946814	4.513734	4.322908	4.714017	5.05823	5.112436	5.074241	4.574001	4.680124	4.577525
ARFGAP2	ENSG0000	-0.31607	5.954534	-4.19943	0.000571	0.002991	-0.9835	5.895619	6.03969	5.920865	5.303647	5.326156	5.349094	5.586312	5.592401	5.346947	6.500186	6.410864	6.501257	6.439685	6.32181	6.322206	6.162119	6.260621	6.351044
CELF1	ENSG0000	-0.46105	6.938016	-10.8705	3.34E-09	2.74E-07	11.25086	7.44908	7.389313	7.385191	6.62115	6.657512	6.589126	7.032487	6.97662	6.863179	7.312605	7.26923	7.202884	6.666043	6.688084	6.602688	6.75771	6.800812	6.843293
HIKESHI	ENSG0000	-0.10377	5.081912	-2.00999	0.060126	0.120091	-5.382	4.664623	4.644161	4.400306	4.152252	4.158524	4.249025	4.339849	4.273815	4.189248	5.982583	5.978976	5.994014	5.785607	5.852446	5.816561	5.999362	5.940538	5.956523
SESN3	ENSG0000	0.203766	4.870527	0.962868	0.348747	0.470033	-6.5349	4.880328	5.130591	5.231457	7.026967	6.935393	7.024019	5.435754	5.602735	5.530627	3.864012	4.087306	3.834184	4.437701	4.509412	4.320301	3.724364	3.628139	3.631427
ENDOD1	ENSG0000	-0.07849	5.959856	-1.58604	0.130656	0.220021	-6.18107	4.740165	4.860445	4.725456	4.857809	4.694855	4.751204	4.926746	4.784126	4.895553	7.19488	7.174234	7.176249	7.294483	7.352537	7.292143	7.001245	7.070509	7.064505
CCDC82	ENSG0000	-0.38336	4.475315	-5.85666	1.70E-05	0.000194	2.796647	4.461995	4.336476	4.288462	4.171485	4.213935	4.071231	4.154215	4.175703	4.112876	4.908591	5.097884	5.076957	4.945733	5.063124	4.917949	4.545014	4.641102	4.587619
KLHL35	ENSG0000	-0.09208	3.337761	-1.10907	0.282426	0.399979	-6.36736	2.798329	2.37994	2.739267	2.255624	2.787348	2.557474	2.26554	2.184314	2.560038	4.517783	4.47541	4.745417	4.467344	4.51757	4.402656	4.533992	4.621188	4.499478
SERPINH1	ENSG0000	0.253274	7.10278	3.855152	0.001215	0.005475	-1.87067	5.546927	5.460976	5.517107	5.863665	5.87112	5.686023	5.300979	5.45466	5.556087	8.468291	8.384405	8.445567	8.749072	8.706263	8.697114	8.855293	8.842429	8.760239
CAPN5	ENSG0000	0.102579	3.795455	1.389774	0.182047	0.28392	-6.14925	2.483604	2.232543	1.853768	2.91067	3.012388	2.629332	2.303642	2.451551	2.440135	5.175339	5.016893	5.058324	6.208618	6.080203	6.044267	5.119964	5.19577	5.164438
INTS4	ENSG0000	0.051676	4.933571	0.859633	0.401628	0.523271	-6.84884	4.564268	4.564207	4.400306	4.660937	4.360275	4.592471	4.709802	4.474723	4.674259	5.267203	5.436055	5.376759	5.551958	5.401859	5.509353	5.382106	5.294635	5.486471
PAK1	ENSG0000	-0.22331	5.606482	-3.43974	0.003025	0.01131	-2.60288	5.114814	5.164879	4.954444	5.0571	4.960875	4.824468	4.479546	4.61746	4.490278	6.439576	6.408817	6.403766	6.539966	6.561622	6.507953	6.386015	6.339522	6.299774
RPS3	ENSG0000	-0.18355	10.00816	-3.16773	0.005477	0.018112	-3.53142	10.11041	10.07779	10.0726	9.500108	9.510664	9.438038	9.834932	9.83639	9.85109	10.40525	10.31284	10.24562	10.10313	10.14861	10.144	10.15182	10.17996	10.25023
ZC3H12C	ENSG0000	-0.47057	4.78415	-2.71006	0.014604	0.039212	-3.92534	6.070438	6.000355	5.949748	4.400654	4.335505	4.427589	5.498697	5.517911	5.629879	4.663802	4.609763	4.612661	4.309002	4.293598	4.320301	4.23146	4.195062	4.108904
TTC12	ENSG0000	-0.45756	3.987772	-3.7587	0.001502	0.006461	-1.48825	4.712298	4.673038	4.606117	4.510463	4.485643	4.580436	4.254886	4.080322	4.16108	3.659289	3.722323	3.573456	4.257146	4.10615	4.165038	3.103995	3.394711	3.477085
DRD2	ENSG0000	0.003606	-2.03511	0.012324	0.990307	0.993527	-5.80359	1.384302	1.551021	1.499186	2.143217	1.307481	2.164723	1.648695	1.231675	1.314712	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
NPAT	ENSG0000	0.238241	4.208776	4.436783	0.00034	0.001983	-0.23278	3.361722	3.483793	3.270929	3.647423	3.329147	3.535905	3.571163	3.605944	3.655245	4.968993	5.130539	4.95243	4.996315	5.12584	5.055606	5.278052	5.174064	5.259054
ATM	ENSG0000	-0.14969	5.73411	-2.18587	0.042699	0.091633	-5.11635	5.517707	5.612764	5.767078	5.875441	5.518152	5.892383	5.431459	5.488491	5.451432	6.034383	6.067262	5.768053	5.93453	5.91709	5.975122	5.779011	5.809406	5.878503
AASDHPPT	ENSG0000	-0.32182	6.509791	-8.21141	2.09E-07	6.27E-06	7.039831	6.791116	6.762709	6.700292	6.286057	6.371051	6.432233	6.380303	6.401762	6.30432	6.77261	6.699096	6.701987	6.451269	6.490871	6.529335	6.472264	6.458768	6.464943
GLB1L2	ENSG0000	-0.39315	4.275932	-2.55713	0.020109	0.050523	-4.17368	4.302931	4.312206	4.400306	4.199863	4.352066	4.315882	3.586698	3.879643	3.543305	5.015558	5.048786	4.970258	4.080861	4.028349	4.029733	4.727016	4.854006	4.735671
SLX4IP	ENSG0000	-0.1634	3.768237	-1.95137	0.067229	0.130919	-5.16328	3.719942	3.732673	3.755225	3.77864	3.278066	3.523386	3.137083	3.384264	3.323715	4.285766	4.278766	4.128223	4.203356	4.293598	4.324754	4.161567	4.200441	4.292899
LAMTOR1	ENSG0000	0.01453	6.924064	0.301473	0.766611	0.836437	-7.44154	6.555272	6.439039	6.612701	6.800173	6.706631	6.726528	6.693573	6.546187	6.676797	7.131548	7.089887	7.194851	7.503257	7.454857	7.458435	7.08921	7.105331	7.074409
P4HA3	ENSG0000	1.145746	1.458182	3.853228	0.00122	0.005493	-0.78757	3.911847	4.073175	3.914407	5.031013	4.776871	4.946703	5.071794	5.188055	5.220718	0.269074	0.583785	0.54756	0.745413	0.26996	0.470356	0.393424	0.358227	0.497646
ST14	ENSG0000	0.397159	2.722983	6.115092	1.01E-05	0.000129	3.060688	0.106501	0.215206	0.106501	0.106501	0.25478	0.2349	0.269385	0.106501	0.106501	8.633681	8.616922	8.759492	9.265879	9.273445	9.24162	9.120166	9.114048	8.958005
HYOU1	ENSG0000	0.712753	8.458617	5.602567	2.86E-05	0.000286	1.841445	7.539741	7.529465	7.607983	8.271051	8.261515	8.273923	8.565115	8.471588	8.560992	8.798784	8.74107	8.75516	8.404232	8.385877	8.408844	9.292065	9.225577	9.243445
KAT14	ENSG0000	-0.40183	4.548723	-6.26267	7.56E-06	0.000104	3.620979	4.428132	4.446492	4.418131	4.540361	4.392653	4.598452	3.988671	3.761625	4.073118	4.933056	4.997958	5.139353	5.009808	5.160118	5.087406	4.808549	4.660745	4.597643
TKFC	ENSG0000	-0.51642	6.130778	-8.95464	6.06E-08	2.55E-06	8.344105	6.22141	6.371643	6.344057	5.935739	5.941203	5.743822	5.872748	5.711779	5.860491	6.488885	6.526746	6.573019	6.429681	6.320645	6.345406	6.056963	6.018732	5.977786
MTA2	ENSG0000	0.020222	7.469977	0.433024	0.670293	0.762844	-7.457	7.049585	7.079978	7.121598	6.679412	6.821087	6.729256	6.976095	6.943124	6.887738	8.092113	7.992857	8.074744	7.906066	7.852844	7.825903	8.230982	8.213115	8.145811
TMEM138	ENSG0000	0.174062	5.858189	3.163218	0.005531	0.018253	-3.22567	4.91334	5.033724	4.962565	5.338099	5.33034	5.377194	5.435754	5.293887	5.408147	6.549478	6.495265	6.442599	6.622061	6.590913	6.546597	6.568127	6.507314	6.540937
FADS1	ENSG0000	0.867419	6.498606	3.773047	0.001455	0.006293	-1.91893	6.431123	6.432017	6.330002	7.62375	7.617629	7.728068	7.65507	7.689379	7.69888	5.928855	5.807818	5.920264	5.237136	5.317927	5.296849	6.219429	6.18667	6.207877
ROM1	ENSG0000	-0.50946	1.554862	-3.30629	0.004051	0.014238	-2.03583	1.561356	1.947501	1.954926	2.103714	2.078331	2.029614	1.525136	1.001115	1.620777	2.204194	2.405511	2.355887	2.24051	2.596763	2.559363	2.095813	1.90484	2.003758
EML3	ENSG0000	0.173869	5.39736	3.085106	0.006551	0.020865	-3.31472	4.635242	4.701347	4.790768	5.082724	5.217382	5.102104	4.889651	5.127313	4.978598	5.836229	5.821729	5.900641	6.028115	5.91709	5.923201	5.935182	5.93893	5.994954
INCENP	ENSG0000	0.038866	4.070493	0.536652	0.598273	0.701334	-6.90857	4.226185	4.204245	4.153091	3.77864	3.683372	3.797394	4.283766	4.247712	4.33084	4.537862	4.55159	4.604122	3.593793	3.591587	3.608189	4.530299	4.600995	4.551975
FRG1BP	ENSG0000	-0.09573	3.678507	-1.00208	0.329977	0.450006	-6.31522	4.088441	4.230384	4.057757	4.218476	3.978251	4.365821	3.941119	4.090149	3.990155	3.275122	3.423044	3.38694	3.850304	3.745389	3.713835	3.333216	3.138674	3.477085
CPSF7	ENSG0000	-0.17027	7.239943	-4.62241	0.000227	0.001435	-0.18605	7.100639	7.143257	7.095064	6.610619	6.584058	6.656599	7.1071	6.981908	6.963088	7.809512	7.795121	7.851552	7.385278	7.285441	7.348454	7.542151	7.625612	7.616926
B3GAT3	ENSG0000	-0.03856	5.927379	-0.37533	0.711929	0.795481	-7.29186	5.648453	5.639833	5.643717	5.982771	6.203217	6.024845	5.937792	5.896721	6.076967	6.246895	6.118253	6.239812	5.994577	5.970071	5.882997	5.833967	5.969178	5.824043
EI24	ENSG0000	0.156579	7.522538	3.72176	0.001629	0.006873	-2.17364	7.314222	7.322536	7.188041	7.35705	7.315941	7.381336	7.510861	7.526137	7.543895	7.697945	7.712909	7.72272	7.546331	7.505983	7.555421	7.799277	7.771418	7.780413
CCDC15	ENSG0000	-0.51549	0.812976	-3.69229	0.001738	0.007239	-1.20598	1.519087	1.670392	1.667608	0.934951	1.006428	1.055701	1.160105	1.001115	1.38134	2.282443	2.193623	2.228347	1.154653	1.282615	1.046067	2.034568	1.795362	1.942153
CHEK1	ENSG0000	-0.07956	5.148532	-0.45222	0.656676	0.752396	-7.20399	5.38573	5.318988	5.251481	4.753186	4.573001	4.57438	5.167879	5.412203	5.265504	6.135353	6.106936	6.102067	3.735884	4.028349	3.767168	5.962842	5.950148	6.059839
FEZ1	ENSG0000	0.080651	2.942016	0.773062	0.449815	0.570246	-6.37109	2.90065	2.513665	2.830836	3.51817	3.225109	3.498018	2.607661	2.650616	2.616448	3.165825	2.924094	3.001185	3.719554	3.946112	3.62273	3.103995	3.193646	3.328509
MPZL2	ENSG0000	0.310956	2.840679	2.278106	0.03554	0.079193	-4.84091	0.742531	0.736739	0.679585	0.52061	0.512209	0.461789	1.762502	1.367163	1.777424	5.564009	5.790631	5.684119	6.519674	6.55866	6.488236	5.842927	5.989515	5.932963
SIDT2	ENSG0000	0.256893	4.81331	1.89759	0.074395	0.141982	-5.38484	4.829349	4.945746	5.086643	5.312338	5.321958	5.215396	5.248226	5.197177	5.22526	4.098381	4.147458	4.147939	5.26928	5.221337	5.274	4.477583	4.304002	4.311289
TMEM25	ENSG0000	0.256869	1.248104	3.196667	0.005143	0.01726	-2.91337	0.216396	0.106501	0.323815	0.258133	0.25478	0.2349	0.106501	0.106501	0.106501	5.428613	5.477654	5.39832	6.288285	6.23912	6.335509	5.713762	5.699745	5.756303
TAGLN	ENSG0000	-0.55902	0.918114	-2.37059	0.029493	0.068283	-3.68233	2.165157	2.125186	1.987129	2.425456	2.460774	2.164723	1.459147	1.231675	1.38134	1.388276	0.941811	1.126631	1.498836	1.120667	1.695314	1.13872	0.975239	1.370407
JPH2	ENSG0000	-0.07276	-1.47764	-0.26711	0.792509	0.855713	-5.82163	2.461454	2.513665	2.600444	1.634586	1.666451	1.919272	2.696258	2.676938	2.165532	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
COMMD7	ENSG0000	-0.02106	5.605144	-0.49733	0.625156	0.724971	-7.19606	5.376881	5.281977	5.155563	5.487537	5.557954	5.468184	5.30568	5.327507	5.351109	5.888767	5.838552	5.898315	6.068434	5.964114	6.06837	5.838454	5.786343	5.785098
DSN1	ENSG0000	0.039577	4.374767	0.329118	0.745977	0.821602	-7.08343	4.625314	4.548709	4.564038	3.921807	4.020303	4.170914	4.411387	4.576102	4.490278	5.046721	4.919631	4.864598	3.53901	3.759216	3.494191	4.983487	5.146465	5.01537
SOGA1	ENSG0000	0.356822	6.147029	2.833737	0.011238	0.031879	-3.87182	6.523553	6.495365	6.52494	7.121476	7.1718	7.148463	6.911252	6.74433	6.894883	5.550237	5.471785	5.303055	5.304378	5.178243	5.326021	5.763367	5.779172	5.859884
CNBD2	ENSG0000	-0.2247	1.38393	-1.67027	0.112676	0.196047	-5.08535	1.286899	1.327092	1.406977	1.256461	1.373859	1.623325	1.240874	1.430416	1.674905	2.527059	2.338281	2.745712	2.529911	2.467968	2.257813	2.135245	2.254246	2.350536
LSM14B	ENSG0000	-0.13084	5.817172	-1.49767	0.15206	0.247265	-6.26477	5.82147	5.661609	5.757775	5.180897	5.221894	5.401341	5.178171	5.228657	5.383978	6.164057	6.209259	6.234289	6.325629	6.286439	6.26889	6.289918	6.367284	6.222526
YTHDF1	ENSG0000	-0.22912	6.861544	-5.80138	1.91E-05	0.000209	2.371543	7.092555	7.022236	7.114327	6.402548	6.471096	6.428881	6.725501	6.790264	6.75269	7.222436	7.126463	7.238262	6.76418	6.713165	6.739905	7.065805	7.050546	7.020473
CABLES2	ENSG0000	0.406699	3.553654	3.386931	0.003396	0.012383	-2.25317	3.27548	3.286138	3.190238	4.103016	3.912781	4.088331	3.66196	3.633086	3.641718	3.446357	3.619889	3.652879	3.735884	3.652127	3.540876	3.934535	3.999132	3.823043

LTO1	ENSG0000	-0.39321	4.90175	-3.2735	0.004351	0.015063	-2.82376	5.367978	5.469231	5.303557	4.350907	4.485643	4.337497	4.411387	4.734864	4.620106	5.14686	5.207908	5.229089	5.102982	5.131167	4.97856	5.09268	5.030462	5.140638
TRPT1	ENSG0000	0.159831	4.193578	2.672939	0.01579	0.041786	-3.9089	3.738482	3.537122	3.819232	4.190466	4.149079	4.062605	3.891945	3.724251	4.063004	4.404248	4.378346	4.437893	5.018734	4.965115	4.984202	4.537676	4.584635	4.488745
NUDT22	ENSG0000	0.19936	4.708341	2.55296	0.020284	0.050917	-4.24678	3.967917	3.976101	4.201929	4.790984	4.917027	4.604407	4.393833	4.349405	4.216877	4.678347	5.016893	5.01818	5.57332	5.53642	5.420597	5.156356	5.123998	4.874064
FERMT3	ENSG0000	-0.55687	2.698188	-2.12648	0.047986	0.100392	-4.25485	6.219762	6.228223	6.270736	4.851861	5.212855	4.894191	5.620676	5.626565	5.584645	0.934589	1.152172	0.594297	1.018891	1.077171	0.760679	0.930351	1.118494	1.058313
PLCB3	ENSG0000	0.061558	5.855055	0.515475	0.612679	0.714224	-7.22672	5.523064	5.528369	5.636121	5.664257	5.690831	5.716587	4.968851	5.028565	4.91817	5.99716	6.031795	5.972061	6.704582	6.629065	6.583303	6.513062	6.386287	6.393378
MRPL49	ENSG0000	0.096744	6.827454	2.042288	0.056509	0.114196	-5.53105	6.637833	6.586724	6.531778	5.982771	6.125878	5.942611	6.734246	6.706499	6.686711	7.373088	7.270358	7.358212	6.996533	7.024993	6.947642	7.389495	7.458916	7.388447
CDC42EP2	ENSG0000	0.169585	4.517121	1.582444	0.131475	0.220793	-5.95894	4.375799	4.136747	4.301326	3.875646	4.091068	3.765857	4.122591	3.749274	4.011347	5.120474	5.095341	5.281796	4.676384	4.774033	4.56581	5.580838	5.549795	5.481066
FAU	ENSG0000	-0.17475	7.482237	-3.35892	0.003611	0.012969	-2.9576	7.535772	7.461435	7.510955	7.119002	7.23678	7.062384	7.217247	7.172025	7.242758	7.751801	7.720354	7.715802	7.66869	7.760048	7.690535	7.644337	7.682451	7.639542
TM7SF2	ENSG0000	0.39959	3.745286	3.670012	0.001825	0.007532	-1.69502	3.056542	3.057038	3.28395	3.851999	4.009905	3.75519	3.879385	3.491964	3.586306	3.528929	3.842432	3.691009	4.914988	4.79096	4.788509	4.052512	4.029668	3.856822
VPS51	ENSG0000	0.011873	5.921778	0.15436	0.879095	0.919441	-7.38443	4.909255	4.961437	5.060398	5.062262	5.33034	5.131272	5.203583	4.976535	5.229787	6.570099	6.618153	6.822209	7.128144	7.158154	7.092449	6.723352	6.6876	6.447035
PPP4C	ENSG0000	-0.10982	7.18067	-1.23653	0.232622	0.343697	-6.74578	7.167157	7.238902	7.21123	6.714257	6.806141	6.672277	6.894185	6.889266	6.886305	7.36861	7.284937	7.385458	7.600843	7.561784	7.537306	7.479378	7.402865	7.33926
ALDOA	ENSG0000	0.337791	10.48796	4.690443	0.000196	0.001282	-0.21355	10.96407	10.974	10.97202	10.97281	11.06672	10.91689	11.24402	11.20648	11.2502	9.914576	9.908773	9.887831	9.522837	9.549029	9.499974	10.28234	10.33318	10.33815
DOC2A	ENSG0000	0.078184	1.3727	0.400383	0.693726	0.780901	-6.24525	1.430644	1.061904	1.62731	2.181668	1.666451	2.164723	1.317361	1.549165	1.620777	2.033684	2.285719	2.055402	2.270712	2.326537	1.923865	2.283004	2.124453	1.877799
HIRIP3	ENSG0000	-0.21855	4.55847	-2.94803	0.008802	0.026266	-3.45245	5.089762	5.102561	5.049003	4.092964	4.335505	4.210498	4.666597	4.889176	4.674259	4.936085	4.905185	5.041557	3.870167	4.067774	3.747398	4.811595	4.773297	4.96205
TAOK2	ENSG0000	-0.19004	6.793662	-4.36383	0.000398	0.002249	-0.67979	7.379909	7.355569	7.449443	7.102813	7.183413	7.061302	7.228432	7.063981	7.180976	6.570099	6.431172	6.536837	6.367281	6.244045	6.266577	6.448982	6.364891	6.302841
TMEM219	ENSG0000	-0.10241	6.05468	-1.05394	0.306263	0.425529	-6.80251	6.415366	6.412172	6.497256	6.095309	6.099149	5.984314	6.386973	6.337211	6.445301	5.791772	5.818649	5.876026	6.055481	6.025473	6.081589	5.695742	5.718611	5.656743
HMGA2	ENSG0000	1.377838	4.478925	12.61202	3.29E-10	4.94E-08	13.69341	2.369288	2.206444	2.274882	2.548252	2.762786	2.924168	2.779728	2.702788	2.643847	6.160176	6.204547	6.205413	6.152952	6.132932	6.220714	7.748132	7.625113	7.593324
CNKSR2	ENSG0000	0.381187	2.879414	1.709144	0.105119	0.185851	-5.08179	4.387594	4.223893	4.339244	5.097883	4.701332	4.923071	4.950956	4.802174	4.782996	1.865926	2.115463	2.004401	1.365252	1.428204	1.390007	1.681967	1.737342	1.739782
MKX	ENSG0000	0.137994	0.344238	0.530403	0.602507	0.705208	-6.23211	0.882475	0.736739	1.028027	0.258133	0.106501	0.746642	0.983587	1.15884	0.925731	2.033684	2.174476	2.07201	1.818016	1.766169	1.923865	2.368215	2.146913	1.910335
MPP7	ENSG0000	-0.40299	1.843271	-4.84469	0.000141	0.000993	0.939411	1.010037	1.002471	1.028027	0.841981	1.006428	1.188496	1.160105	0.726566	1.01237	3.882973	4.066685	3.853525	4.093589	4.078843	4.114488	3.545669	3.511821	3.509302
ITGB1	ENSG0000	0.353367	9.301333	3.71581	0.00165	0.006943	-2.26399	10.05625	10.04756	10.00023	10.60108	10.49825	10.55531	10.47745	10.48096	10.46639	8.270996	8.195804	8.256229	8.027669	8.01758	8.067942	8.514573	8.446313	8.49859
PCDH15	ENSG0000	0.983667	-1.40561	3.284399	0.004249	0.014797	-1.86035	1.755904	1.551021	1.30847	2.864145	2.991399	2.961768	2.26554	2.255906	2.34318	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.183756	0.106501	0.106501
CTF1	ENSG0000	-0.0358	1.522718	-0.15335	0.879878	0.919923	-6.47084	1.12723	1.374745	1.499186	1.104644	1.2379	0.909432	1.648695	1.605065	1.962896	2.543041	2.405511	2.569785	3.36795	3.088026	3.253801	2.400938	2.212266	2.302316
CWC15	ENSG0000	-0.18787	5.766931	-3.38983	0.003375	0.012312	-2.73003	5.544295	5.541478	5.387386	5.112883	5.094821	5.159862	5.147073	5.469794	5.351109	6.408288	6.297077	6.468703	6.254679	6.26358	6.219519	6.170447	6.273436	6.157942
ARID5B	ENSG0000	-0.47548	3.01024	-3.07897	0.006639	0.021073	-2.79852	2.051128	2.068355	2.399755	3.633621	3.378481	3.828257	1.867984	1.549165	1.50602	3.844798	3.854512	3.843887	4.803198	4.565575	4.755899	3.485915	3.571152	3.352387
KLHL1	ENSG0000	-0.74201	-1.63768	-1.93835	0.068905	0.133526	-4.20326	2.548084	2.693541	2.720234	1.634586	1.817192	1.623325	1.317361	1.710758	2.165532	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
CDH8	ENSG0000	-0.02941	-1.58057	-0.20358	0.841035	0.892479	-6.1312	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.555182	1.989662	1.631268	1.733794	1.710321	1.667532	1.734264	1.513652	1.504318
DCUN1D2	ENSG0000	0.111285	3.641655	1.138463	0.270292	0.386934	-6.24238	3.792713	4.043996	3.93931	3.487804	3.457132	3.498018	4.245129	4.157125	4.112876	3.536933	3.836353	3.764372	3.53901	3.544454	3.586098	3.793775	3.84969	3.466183
TMCO3	ENSG0000	0.46268	6.098624	4.352219	0.000409	0.00229	-0.62158	5.738706	5.729621	5.780922	6.845783	6.761899	6.765586	6.14086	6.131335	6.224904	5.666054	5.699809	5.794563	6.055481	6.116912	6.112827	6.191643	6.228075	6.191423
TMEM218	ENSG0000	0.202408	4.036059	2.899567	0.009765	0.028571	-3.40591	3.738482	4.006672	3.745844	3.988393	4.091068	4.154771	3.916741	4.212157	4.151567	4.03198	4.166964	4.238998	4.230502	4.240369	4.444184	4.254026	4.313961	4.323421
TIRAP	ENSG0000	-0.11329	3.989099	-1.57759	0.132588	0.222144	-5.73462	4.467563	4.330447	4.294909	4.132759	4.343809	4.279122	3.965091	4.070428	4.270596	4.020609	3.896014	3.955502	3.819988	3.90938	3.78667	3.956715	3.967936	3.992166
EEF1AKMT	ENSG0000	-0.5604	3.068269	-6.54141	4.39E-06	6.75E-05	4.370069	3.520128	3.741788	3.544167	2.688367	2.926537	2.605775	3.094248	2.960209	2.748518	3.673879	3.799336	3.853525	2.88263	3.109775	3.085545	3.350072	3.297679	3.477085
LATS2	ENSG0000	0.373233	5.292249	2.331657	0.031912	0.0727	-4.70174	5.691909	5.668796	5.584434	5.737065	5.96831	5.906913	6.037254	6.136086	6.211233	4.359822	4.322908	4.369004	5.506677	5.347976	5.405959	4.62683	4.563921	4.572451
SAP18	ENSG0000	-0.07121	6.942916	-2.13931	0.046796	0.098466	-5.35088	7.203477	7.209637	7.067091	6.776816	6.798609	6.754917	7.056395	7.042632	7.05907	7.043704	6.984585	7.029324	6.708725	6.753445	6.75566	6.969553	6.974888	7.002666
ADGRL3	ENSG0000	-0.12908	1.011339	-0.55529	0.585735	0.691205	-5.95831	2.218961	2.179863	2.446827	2.91067	2.460774	2.741673	1.525136	2.255906	1.962896	0.7264	1.07167	0.921995	1.365252	1.357245	1.046067	1.214313	1.118494	0.93723
KIAA1328	ENSG0000	0.103382	1.563241	0.686969	0.501116	0.617755	-6.09241	2.021155	2.039077	1.78216	2.021307	2.155834	1.714252	2.144798	1.945386	2.047395	1.787595	1.851833	1.839597	2.42639	2.169719	2.382676	1.85727	1.795362	2.033602
FAM124A	ENSG0000	0.160681	-1.22439	0.452138	0.65673	0.752398	-5.7349	2.021155	1.915637	1.954926	2.181668	2.299368	2.164723	1.917967	1.901414	1.918715	0.106501	0.106501	0.16959	0.106501	0.190544	0.263213	0.183756	0.106501	0.214669
MIA2	ENSG0000	0.158808	1.483494	1.083834	0.293164	0.411747	-5.74845	1.475543	1.780637	1.921989	1.978268	1.817192	1.880533	2.144798	1.658879	1.873138	1.76051	1.827525	2.055402	2.314863	2.398985	2.141451	1.85727	1.878239	2.226823
HNMT	ENSG0000	-0.00894	4.336938	-0.1527	0.880382	0.920314	-7.0462	4.25866	4.256058	4.229112	4.510463	4.368438	4.537503	4.302704	4.221128	3.968647	4.337085	4.494836	4.472706	4.715338	4.693507	4.577054	4.481413	4.473517	4.472495
LYPD1	ENSG0000	1.265809	4.711053	4.461244	0.000322	0.001901	0.012981	5.575566	5.607787	5.613091	6.458425	6.338179	6.412002	7.356296	7.11541	7.258353	2.966925	2.753956	3.077191	3.913883	3.703092	3.734067	2.692858	2.99751	3.035906
LYPD6B	ENSG0000	-0.49746	-0.72748	-1.93775	0.068983	0.133604	-4.51754	0.41387	0.410755	0.421314	0.395333	0.106501	0.106501	0.106501	0.106501	0.256032	1.91588	2.074736	2.055402	1.858352	1.710321	1.923865	1.85727	1.795362	1.942153
PDCD4	ENSG0000	-0.67626	5.292571	-6.91403	2.15E-06	3.97E-05	4.831003	5.885257	5.883735	5.767078	5.7878	5.503402	5.572123	5.286782	5.376512	5.367637	5.213289	5.312323	5.306568	5.391139	5.370673	5.475705	4.345124	4.617172	4.515429
GPM6A	ENSG0000	0.458016	-0.53642	1.932013	0.069734	0.134747	-4.43559	0.318509	0.410755	0.219246	0.742604	0.25478	0.2349	0.269385	0.253663	0.39151	1.457372	1.616737	1.126631	1.797417	1.738515	2.161508	1.833493	1.707432	1.665483
WDR17	ENSG0000	-0.33738	3.247347	-2.51691	0.021856	0.053941	-3.921	3.774862	3.768792	3.863273	4.020568	3.502343	4.018682	3.457463	3.564249	3.084728	3.446357	3.287042	3.232997	2.862939	2.875953	3.116699	3.133504	3.138674	3.079476
VEGFC	ENSG0000	0.234219	4.073124	2.703454	0.014808	0.039661	-3.67369	5.071598	5.022548	4.933939	5.363409	4.933626	5.135391	5.272444	5.25073	5.283036	3.165825	3.002186	3.109727	3.296351	3.223865	3.462206	3.307556	3.138674	3.279535
CCDC102B	ENSG0000	-0.15383	0.326978	-0.65403	0.521603	0.635908	-5.78879	2.080492	2.179863	1.954926	1.578054	1.996426	2.196611	1.459147	1.809233	2.127218	0.54782	0.748206	0.639567	0.701742	0.7293	0.707101	0.576451	0.975239	0.659518
CD226	ENSG0000	0.451997	1.818602	1.322388	0.203084	0.308865	-5.17076	6.796655	6.84854	6.733892	6.432751	6.457769	6.491278	7.212248	7.322372	7.277066	0.269074	0.330605	0.230035	0.106501	0.345231	0.186984	0.257084	0.2791	0.106501
DLG2	ENSG0000	0.548029	3.350922	1.266899	0.221814	0.331719	-5.42122	7.215107	7.251721	7.214634	8.213643	8.057652	8.175346	7.893118	7.85487	7.855028	0.88529	1.152172	0.921995	0.787801	0.671977	0.760679	0.393424	0.816175	0.106501
PRSS23	ENSG0000	-0.39253	9.472628	-5.34679	4.87E-05	0.000432	1.270579	9.439214	9.442285	9.470256	10.21985	10.18361	10.17469	9.355417	9.326811	9.373185	9.354061	9.278149	9.354705	9.843578	9.87186	9.890015	8.621051	8.68731	8.661258
MTMR12	ENSG0000	-0.19266	5.493915	-4.48158	0.000308	0.001834	-0.26852	5.872723	5.844079	5.93744	5.636843	5.419464	5.628736	5.657922	5.708593	5.683673	5.542307	5.473744	5.448471	5.188526	5.226323	5.292308	5.327829	5.271824	5.326909
PPP1R1C	ENSG0000	0.893556	2.113485	4.210706	0.000557	0.002936	-0.38988	1.18244	1.277811	0.756332	1.022291	1.164793	1.123626	2.186178	1.760835	2.127218	3.013555	2.865607	3.077191	4.467344	4.525683	4.588211	3.603046	3.644015	3.930053
CCT5	ENSG0000	-0.10797	9.390349	-4.15983	0.000622	0.003188	-1.3357	9.48093	9.464306	9.425424	9.01035	8.956626	8.985112	9.330547	9.369801	9.327713	9.734474	9.654022	9.693493	9.295445	9.263626	9.298059	9.588329	9.563679	9.624831
ATPSCKMT	ENSG0000	0.055524	4.469915	0.940122	0.359968	0.481863	-6.65423	4.461995	4.543506	4.429894	4.440838	4.258538	4.493254	4.651903	4.690335	4.654189	4.604112	4.555295	4.760864	4.47385	4.398927	4.423569	4.67445	4.534411	4.597643
DOCK1	ENSG0000	-0.00151	5.661317	-0.01322	0.9896	0.993211	-7.17619	7.054218	7.043585	7.098753	6.96769	6.940877	7.043877	7.074414	7.03502	7.071735	4.177304	4.209911	4.136142	4.792829	4.820936	4.695277	4.142342	4.195062	4.190648
DIXDC1	ENSG0000	0.220102	3.215554	1.932178	0.069712	0.134723	-4.94684	3.487617	3.57841	3.648527	3.921807	4.071202	3.982555	3.841036	3.924273	3.655245	2.978724	3.106888	2.826234	2.940139	2.714997	2.782986	3.133504	3.069818	3.107809
DLAT	ENSG0000	-0.21639	6.648588	-5.69033	2.39E-05	0.000247	2.164716	6.939714	6.964035	6.815741	6.384118	6.411116	6.384578	6.783948	6.759804	6.688357	6.864513	6.882832	6.900425	6.378593	6.453088	6.457132	6.666451	6.581329	6.627877
PIH1D2	ENSG0000	-0.13967	1.305125	-0.84653	0.408696	0.530634	-6.02342	1.18244	1.118985	1.256574	1.326771	1.373859	1.310092	1.389995	1.15884	1.171446	2.18395	2.355385	2.30059	3.02232	3.054776	3.085545	1.809319	2.500854	2.06284
NKAPD1	ENSG0000	-0.23377	5.655955	-5.27213	5.69E-05	0.000484	1.383561	5.246942	5.331118	5.217952	5.199754	5.185395	5.131272	5.066264	5.219733	5.052019	6.235875	6.282621	6.304487	6.27717	6.280458	6.321092	6.010007	6.063691	5.940859
TIMM8B	ENSG0000	0.214593	5.919251	4.653289	0.000213	0.001361	0.017594	5.266237	5.275715	5.1197	5.643745	5.745129	5.602196	5.515028	5.450851	5.466856	6.303114	6.294863	6.345193	6.503073	6.472103	6.520626	6.500849	6.487651	6.50144
IL18	ENSG0000	-0.46214	5.12966	-2.62365	0.017507	0.045281	-4.14142	6.037128	5.975457	5.899874	5.294904	5.351085	5.227023	4.926746	5.083711	5.041756	4.782995	4.623947	4.765977	5.313474	5.292003	5.262439	4.714053	4.780497	4.749225
PTS	ENSG0000	0.422423	4.979036	5.764357	2.05E-05	0.000222	2.575445	5.163648	5.154678	5.241504	5.543969	5.435093	5.461637	5.804633	5.795247	5.703339	4.489195	4.595438	4.488257	4.47385	4.492955	4.448272	4.644018	4.930438	4.646745
PIP4K2A	ENSG0000	-0.07342	5.122026	-1.28418	0.215841	0.324422	-6.41387	5.367978	5.144404	5.287484	5.092847	4.955466	4.908703	5.238424	5.376512	5.300358	5.435051	5.310132	5.243822	4.948071	4.840579	5.009321	5.124869	5.217154	5.161062
FREM2	ENSG0000	0.587089	-0.06127	1.496666	0.15232	0.247518	-5.03596	0.216396	0.316291	0.219246	1.393812	1.612488	0.746642	0.548589	0.253663	0.925731	1.239286	1.8028	1.585733	1.689764	1.738515	1.876113	1.512637	1.766644	1.844513
FOXO1	ENSG0000	-0.3572	4.196478	-2.68158	0.015506	0.041211	-3.78226	4.564268	4.826575	4.908943	4.797189	4.801196	4.874612	4.792514	4.677356	4.745547	3.914031	4.008408	3.882059	4.283307	4.195307	4.062102	3.307556	3.215061	3.241681
CRIM1	ENSG0000	0.528302	7.565209	8.92362	6.37E-08	2.65E-06	8.275409	8.397648	8.420592	8.449695	10.04953	9.978083	10.03932	9.068514	9.003214	9.063683	5.548259	5.440069	5.437298	6.696956	6.665316	6.672491	5.806751	5.861261	5.828306
SEC24D	ENSG0000	0.481829	6.092241	2.643372	0.0168	0.043832	-4.29632	5.437711	5.463733	5.300357	6.598236	6.484302	6.567948	5.574674	5.740142	5.512161	6.143238	6.105673	6.119148	6.264093	6.220499	6.236164	6.809664	6.726333	6.769838
ABCB9	ENSG0000	-0.50484	3.808525	-5.09628	8.24E-05	0.000651	1.374949	4.321496	4.15733	4.339244	3.955484	4.231942	3.991672	3.774765	3.550079	3.236418	4.009149	3.958911	4.087963	3.86027	3.779712	3.922159	3.737235	3.815048	3.707454
RILPL2	ENSG0000	-0.14014	3.638754	-0.83752	0.413608	0.535498	-6.53359	3.361722	3.568199	3.81026	3.999198	4.030628	3.926609	3.027514	2.596487	3.023464	3.980092	4.051023	3.91004	4.118714	4.078843	3.824901	4.222335	4.07722	4.080593
DHX37	ENSG0000	0.043078	6.468987	0.691073	0.498596	0.615756	-7.17366	6.706538	6.65827	6.781722	6.631604	6.827023	6.691987	6.949305	6.700097	6.796075	6.128749	6.118253	6.298324	6.434692	6.241584	6.270045	6.283351	6.152392	6.079643
UBC	ENSG0000	0.025362	9.911117	0.773576	0.449518	0.569921	-7.38691	10.03179	9.986443	9.978623	9.902789	9.878717	9.881825	9.953886	9.954401	9.967483	9.965126	9.870341	9.856345	9.717851	9.757896	9.775214	9.94651	9.976049	10.02676
ITPR1	ENSG0000	-0.16624	4.121719	-1.2223	0.237821	0.349782	-6.09132	5.983734	5.839841	5.939499	5.329563	5.355198	5.490866	5.904087	5.7022	5.767022	3.196464	3.339557	3.36689	2.096181	2.190279	2.014873	2.990321	3.2466	2.975687
SLC7A11	ENSG0000	0.829312	6.512849	3.94978	0.000987	0.00463	-1.37152	9.070109	9.14211	9.131783	8.272165	8.345065	8.413177	10.19864	10.18022	10.16288	4.75239	4.80292	4.660116	2.42639	2.084417	2.416453	4.820694	4.867593	4.878182
NOCT	ENSG0000	-0.51963	4.202898	-4.57311	0.000253	0.001561	0.186723	5.623734	5.480165	5.50047	4.132759	4.240862	4.218286	4.758625	4.77806	4.782996	3.962373	4.002991	3.999574	3.442811	3.410675	3.470269	3.806044	3.903444	3.716682
GPR158	ENSG0000	0.417147	0.896291	2.257782	0.037015	0.081822	-4.33034	0.318509	0.316291	0.421314	0.934951	0.92021	0.461789	0.415731	0.106501	0.256032	3.145032	3.524821	3.38694	3.993008	4.056619	3.886451	3.775173	3.890192	3.87342
DCP1B	ENSG0000	0.027507	3.87277	0.305909	0.763287	0.834215	-6.90846	3.911847	3.804029	4.011539	4.020568	3.517104	3.936085	3.953155	3.711575	3.759121	4.119853	3.942027	3.896118	4.323482	4.095289	4.21867	3.97856	4.140146	4.157149
THRB	ENSG0000	-1.07296	4.566301	-9.22015	3.96E-08	1.83E-06	8.962334	5.45743	5.441528	5.463752	4.510463	4.758354	4.859751	4.011872	3.999201	3.979442	4.782995	4.848932	4.902234	4.502766	4.608219	4.778803	4.156784	4.178806	4.122853
NGLY1	ENSG0000	-0.13006	4.952173	-2.19565	0.041882	0.090245	-4.94801	5.1077	5.151261	5.130553	5.05192	4.987618	5.068031	4.883375	4.933517	4.934903	4.886838	4.976009	4.890578	5.042999	5.255884	5.126195	4.908658	4.857415	4.802199
OXSM	ENSG0000	-0.135	4.182963	-1.54816	0.139499	0.231168	-5.83659	4.863535	4.673038	4.706239	4.209199	4.040879	4.088331	4.606901	4.59002	4.563842	4.237473	4.056262	4.09204	4.102013	3.839509	3.985412	3.97856	4.029668	4.101878
UEVLD	ENSG0000	0.082748	4.627736	1.155925	0.263269	0.379145	-6.40863	4.876148	5.073976	4.848876	5.122798	4.998178	4.903882	5.141824	5.122533	4.88411	4.337085	4.219284	4.260892	4.546627	4.509412	4.588211	4.374256	4.216457	4.370952
C12orf45	ENSG0000	-0.47492	4.080899	-4.1741	0.000603	0.003113	-0.67393	4.957532	4.86879	4.808898	3.966538	3.99943	3.878271	4.101117	4.060466	4.305329	4.14101	4.071868	4.194187	3.879997	4.005327	4.029733	3.917673	3.842828	4.007286
TMEM263	ENSG0000	0.239536	5.746065	4.615601	0.000231	0.00145	0.073377	6.392134	6.533918	6.337827	7.107814	7.047672	7.036187	6.700729	6.753634	6.638151	4.549776	4.675929	4.530928	5.180594	5.236244	5.074241	4.743057	4.826442	4.684858
UBE3B	ENSG0000	-0.33761	6.029768	-5.27251	5.68E-05	0.000484	1.3647	6.384797	6.444632	6.504227	6.13993	6.056841	5.997951	5.97958	5.876989	5.842866	6.034383	6.104409	6.001619	5.997966	5.885918	6.012871	5.926779	5.891503	5.864042
ANK3	ENSG0000	-0.41764	5.856659	-4.18684	0.000586	0.003052	-0.91556	6.1677	6.160165	6.212339	7.008369	6.850524	6.916826	5.523124	5.714958	5.629879	5.481405	5.58849	5.456399	5.887795	5.764345	5.829155	5.15875	5.302159	5.259054
IPMK	ENSG0000	0.432314	3.566047	2.898808	0.009781	0.0286	-3.22679	3.672523	3.608619	3.586821	4.456603	4.071202	4.434292	4.4712	4.265167	4.313883	3.331423	3.509623	3.149392	3.100071	3.320292	3.106389	3.209363	3.422593	3.466183
PLBD2	ENSG0000	-0.10042	7.062886	-2.04676	0.056024	0.113425	-5.4781	7.380646	7.387136	7.406928	8.197315	8.065832	8.138368	7.284283	7.222041	7.275972	6.386308	6.418004	6.397191	6.97949	6.901065	6.902174	6.277855	6.338302	6.391939
DLG5	ENSG0000	0.460976	6.328411	4.732823	0.000179	0.001196	0.167443	6.429698	6.424961	6.484623	6.418735	6.497388	6.56337	6.575907	6.472967	6.464636	5.791772	5.755629	5.755256	6.337271	6.292394	6.259615	6.610714	6.554279	6.561569
SLC2A13	ENSG0000	-0.08096	3.632611	-0.30583	0.763345	0.834215	-6.72513	4.315334	4.418344	4.332993	5.142425	4.950037	4.956049	4.568297	4.349405	4.296723	3.246125	3.455132	3.470739	2.329284	2.307842	2.481722	2.935534	2.985098	3.421736
GXYLT1	ENSG0000	-0.2925	6.003604	-4.61256	0.000232	0.001457	-0.0508	6.94571	6.957203	6.994691	6.020383	5.981675	6.057773	6.591391	6.530034	6.500674	5.885637	5.82019	5.721443	5.060393	5.231292	5.208029	5.664076	5.524288	5.821907
TWF1	ENSG0000	0.010491	7.281359	0.190104	0.851418	0.899944	-7.49197	7.545017	7.581797	7.520613	7.427738	7.327502	7.383069	7.663335	7.735503	7.645661	7.130226	7.074477	7.082544	6.9634	7.08318	7.102859	6.948263	6.976456	7.04815
DIP2C	ENSG0000	0.18878	4.174974	2.484784	0.023353	0.056935	-4.13891	4.683882	4.872944	5.079193	5.195063	5.266255	5.1639	4.968851	4.997573	5.010523	3.255856	3.330936	3.225594	3.730461	3.666873	3.78667	3.623987	3.494411	3.477085
EIF4E	ENSG0000	0.062462	6.628392	1.257863	0.224988	0.335023	-6.66664	6.568285	6.46679	6.382396	6.530955	6.385201	6.48967	6.595237	6.677461	6.675138	6.845307	6.853036	6.870476	6.52673	6.613925	6.630836	6.823309	6.784789	6.863166
MAGI1	ENSG0000	-0.33411	3.541182	-5.04738	9.14E-05	0.000706	1.270833	3.633432	3.439663	3.607684	3.441022	3.170134	3.247073	3.178682	3.160038	3.289427	4.020609	4.176619	4.16352	3.988472	3.976023	4.046009	3.945668	3.815048	3.716682
TEX30	ENSG0000	-0.13018	3.943974	-1.44543	0.166028	0.264423	-5.99837	4.252223	4.12286	4.095173	3.290819	3.643567	3.59692	4.215456	4.299455	4.380548	4.717605	4.483212	4.566525	3.507651	3.436722	3.308792	4.258497	4.273707	4.317368
CSNK1G3	ENSG0000	0.460914	5.270209	6.523649	4.54E-06	6.95E-05	4.043781	4.988842	4.852052	4.826803	5.44865	5.411586	5.397916	5.570773	5.602735	5.478316	4.933056	5.145366	5.060406	5.57332	5.587692	5.657942	5.278052	5.326959	5.423057
SRFBP1	ENSG0000	-0.22361	5.11936	-2.40203	0.027667	0.064973	-4.61948	5.515021	5.525733	5.390399	4.833866	4.752128	4.740428	5.315037	5.481041	5.342774	5.339908	5.224293	5.272845	5.064709	5.10974	5.076884	4.950708	4.933671	5.052285
AKAP6	ENSG0000	-1.00682	2.186417	-4.36289	0.000399	0.002251	0.001	2.762544	2.470453	2.37563	1.256461	1.006428	1.757653	1.70672	1.491012	2.127218	3.45483	3.562131	3.318995	3.593793	3.637228	3.571181	2.509956	2.465551	2.724423
FAM177A1	ENSG0000	0.274726	5.980136	4.586271	0.000246	0.001528	-0.11061	5.777323	5.644701	5.576519	6.087736	6.137866	6.146161	6.008705	6.180458	6.1928	5.850748	5.87162	5.904123	6.241396	6.257503	6.218323	6.058246	6.021773	5.892821
MBIP	ENSG0000	-0.15332	4.494234	-2.38409	0.028696	0.066892	-4.59993	3.593253	3.494617	3.755225	3.647423	3.912781	3.838399	3.788265	3.879643	3.628063	5.471	5.542561	5.453233	5.485908	5.552391	5.519102	5.31071	5.26414	5.133766
MIPOL1	ENSG0000	-0.13178	3.347304	-1.38694	0.182894	0.284571	-5.8846	3.397161	3.35903	3.431666	2.999448	3.260629	3.321269	3.405851	3.3682	3.498982	3.864012	3.70241	3.641797	3.60569	3.695921	3.62273	3.516101	3.277464	3.823043
EXT2	ENSG0000	0.532004	5.972717	5.741823	2.15E-05	0.00023	2.439561	6.255601	6.415023	6.380882	7.506528	7.40494	7.484236	6.96722	7.094814	7.024309	4.789709	4.722812	4.857431	5.233307	5.243641	5.439201	5.137061	4.99066	5.09537
TMEM18	ENSG0000	0.127876	4.86553	1.389673	0.182077	0.28392	-6.1732	5.677569	5.504468	5.552509	5.137544	5.104628	5.093661	5.958837	5.868449	5.892253	4.438829	4.382523	4.52189	4.167687	4.148793	4.174939	4.37837	4.377068	4.203832
KCTD14	ENSG0000	1.111224	-1.09855	3.977933	0.000927	0.004401	-0.57305	0.106501	0.316291	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.256032	1.352446	1.152172	1.277453	2.51737	2.451029	2.382676	2.417026	2.078458	1.973284
NDUFC2	ENSG0000	0.069011	3.469047	0.771643	0.450633	0.571029	-6.49378	3.87042	3.704977	3.65856	3.714523	3.855857	3.700636	3.747379	3.913244	3.979442	3.331423	3.414909	3.187996	3.587808	3.666873	3.525482	3.227721	3.347011	3.364179
ME3	ENSG0000	-0.43056	3.018813	-6.73626	3.02E-06	5.07E-05	4.610774	2.021155	1.744817	2.049454	1.688986	1.864131	1.714252	1.648695	1.430416	1.314712	5.183009	5.087685	5.013889	5.023176	4.888549	4.929692	4.619897	4.691628	4.82371
NUBPL	ENSG0000	-0.48021	4.352493	-5.07176	8.68E-05	0.00068	1.166808	4.484137	4.668265	4.647003	3.727576	3.832443	3.776446	4.034706	4.009594	4.011347	4.899309	4.860959	4.888235	4.753268	4.804359	4.775553	4.458278	4.568087	4.477932
NEK7	ENSG0000	0.143401	6.505328	0.804175	0.432099	0.553253	-7.05705	6.955649	6.951322	6.987744	7.628977	7.557316	7.547427	7.475831	7.508841	7.498653	6.123444	6.056844	6.02633	5.219825	5.432385	5.314871	5.589736	5.819927	5.754064
FER	ENSG0000	0.062201	4.811931	0.916418	0.37192	0.494186	-6.75568	4.654895	4.769782	4.808898	4.487626	4.507984	4.71863	4.864381	4.960553	4.906906	4.98955	5.118067	4.840568	4.978126	5.020703	5.020346	4.931237	5.012228	4.969789
VIPAS39	ENSG0000	-0.38329	5.050259	-4.72893	0.000181	0.001205	0.299427	5.045778	5.102561	5.137743	4.350907	4.462952	4.473866	4.512454	4.428995	4.296723	5.733768	5.604673	5.629067	5.553494	5.483259	5.583703	5.420516	5.449467	5.483771
ANKRD50	ENSG0000	-0.20459	5.578394	-1.56649	0.135159	0.225709	-6.07808	5.49062	5.564777	5.460888	5.988204	5.754503	5.984314	5.784566	5.879824	5.866318	5.742445	5.807818	5.55273	5.658595	5.640943	5.692815	4.991566	5.02441	5.09537
UPF2	ENSG0000	0.081467	5.20171	1.569428	0.134474	0.224803	-6.04078	4.945613	4.872944	5.16615	5.222985	5.14795	5.085168	5.093706	5.146277	5.197793	5.293423	5.290258	5.414689	5.484298	5.499826	5.40806	5.430457	5.331868	5.323893
CDC123	ENSG0000	-0.22184	6.726471	-3.10712	0.006246	0.020115	-3.42551	7.105111	7.098723	7.068973	6.418735	6.395223	6.329914	6.720229	6.730259	6.76989	6.858938	6.769372	6.868695	6.623524	6.696193	6.68813	6.741831	6.72073	6.7271
SCLT1	ENSG0000	0.29838	2.785505	2.069721	0.053592	0.109529	-4.69993	2.589523	2.332462	2.399755	2.887595	2.970101	3.103073	3.004565	3.196885	3.143496	3.265521	3.166245	3.360144	2.842976	2.925848	2.870883	3.333216	3.160915	3.30423
C4orf33	ENSG0000	0.018266	2.742924	0.161464	0.87358	0.915129	-6.57715	2.850396	2.802095	3.06005	3.21869	3.531716	3.306732	3.178682	3.023117	2.937508	2.620402	2.766797	2.735323	2.892375	3.131201	3.21594	2.639009	2.392244	2.880366
FRMD4A	ENSG0000	0.250268	-1.2871	0.63757	0.532018	0.644896	-5.63853	1.755904	1.883052	1.744977	2.021307	1.909591	1.757653	1.917967	1.901414	2.005764	0.269074	0.259702	0.106501	0.106501	0.106501	0.106501	0.183756	0.19538	0.214669
EPS8	ENSG0000	-0.77098	5.754746	-7.83533	4.02E-07	1.05E-05	6.41604	5.253402	5.154678	5.281005	4.299384	4.600983	4.668345	4.011872	3.946081	3.924645	7.192349	7.173631	7.24056	7.177801	7.211933	7.263431	6.543607	6.654673	6.705246
ACAD8	ENSG0000	-0.23852	4.821795	-3.28094	0.004281	0.014868	-2.80523	4.901049	4.813666	4.822347	4.122913	4.318753	4.372816	4.723921	4.722281	4.782996	5.422146	5.214953	5.29777	5.075443	5.037822	5.082154	4.991566	5.009167	5.037632
THYN1	ENSG0000	-0.4944	4.565922	-3.83839	0.00126	0.00564	-1.58209	4.957532	4.984658	4.808898	3.533117	3.278066	3.584921	4.321396	4.489649	4.339245	5.269607	5.235883	5.353173	4.905394	4.931925	4.836082	4.905811	4.801884	4.869935
VPS26B	ENSG0000	0.283418	6.102267	4.844533	0.000141	0.000993	0.423709	5.838758	5.85672	5.790077	6.017729	6.061883	6.113125	6.360105	6.35158	6.249637	6.143238	6.092983	6.207294	6.195885	6.060794	6.112827	6.253425	6.270882	6.254557
NCAPD3	ENSG0000	-0.22581	5.909641	-2.3664	0.029745	0.068664	-4.85629	6.183009	6.15335	6.144358	5.185634	5.128856	5.234723	5.95585	6.032872	5.99689	6.787781	6.795455	6.779872	5.04081	4.979952	4.94134	6.550916	6.505142	6.469044
VTI1A	ENSG0000	-0.25807	4.623566	-4.04537	0.0008	0.003909	-1.03686	5.217507	5.250391	5.159101	5.067404	4.922581	4.879531	4.851577	4.938965	4.889843	4.290508	4.394983	4.500578	4.489986	4.403337	4.398437	4.175819	4.273707	4.223386
QDPR	ENSG0000	-0.12144	5.468376	-1.4791	0.156912	0.253447	-6.19213	6.050174	6.13617	6.130008	5.558653	5.503402	5.391041	5.840713	5.970398	5.94552	5.218274	5.102956	5.308321	5.182581	5.117812	5.110805	5.203493	5.152027	5.130317
FAM160B1	ENSG0000	-0.3017	4.689761	-3.35931	0.003608	0.012966	-2.41317	6.179621	6.173699	6.176132	6.241251	6.239272	6.168443	5.843949	5.962395	5.967373	3.772076	3.619889	3.70172	3.149671	3.495729	3.281558	3.307556	3.225651	3.432977
TEX9	ENSG0000	0.426656	2.728534	3.671734	0.001818	0.007508	-1.43565	2.27083	2.356396	2.492412	3.342644	3.394558	3.247073	3.004565	2.848856	2.748518	2.510897	2.604605	2.510098	3.623353	3.766081	3.916269	2.666185	2.99751	2.79582
QTRT2	ENSG0000	-0.15247	6.00021	-2.70212	0.01485	0.039742	-4.19019	6.113688	6.137897	6.091646	5.355021	5.431202	5.510028	5.973684	5.975709	5.892253	6.403919	6.368317	6.347752	6.09716	5.999495	6.004567	6.220575	6.171688	6.334655
MMAA	ENSG0000	-0.21527	2.98718	-1.49607	0.152475	0.247714	-5.55829	3.719942	3.904854	3.863273	3.325575	3.112982	3.364021	3.474265	3.477062	3.641718	2.679436	2.792142	2.714318	3.057395	3.009215	2.98783	2.554269	2.741225	2.687355
ZNF827	ENSG0000	0.35622	4.995039	2.563729	0.019835	0.049994	-4.25867	4.081197	4.236845	4.034833	5.633379	5.547207	5.559916	4.779054	4.489649	4.66091	5.093595	5.174568	4.98568	5.613644	5.462279	5.521044	5.251384	5.391866	5.284099
EDNRA	ENSG0000	0.392507	1.373725	2.949678	0.008771	0.026207	-3.35757	0.106501	0.410755	0.219246	0.395333	0.389229	0.2349	0.886508	0.387194	0.515351	5.240498	5.184173	5.183964	3.90909	4.062207	3.957004	5.484891	5.570712	5.489166
NR3C2	ENSG0000	-0.79201	-0.14875	-2.26132	0.036754	0.08135	-3.97785	0.882475	0.410755	0.219246	0.106501	1.006428	0.461789	0.269385	0.106501	0.106501	2.204194	2.437987	1.896649	3.332595	3.310934	3.404467	1.708352	1.795362	1.665483
AKR1C2	ENSG0000	0.168367	5.345484	0.409634	0.687051	0.776147	-6.55154	8.91652	8.954429	8.905119	9.831087	9.857307	9.82701	9.152793	9.17551	9.124514	2.83033	2.66072	2.30059	1.054048	0.837535	1.247156	2.283004	2.146913	2.200755

DPYSL4	ENSG0000	0.348183	0.309534	1.140754	0.269363	0.386084	-5.40774	1.430644	0.8079	1.54317	1.688986	1.612488	1.956998	1.588238	1.710758	1.727075	0.834246	1.369793	0.807652	0.945898	0.671977	0.812339	0.738851	1.16325	0.872651
ADAM8	ENSG0000	1.491945	4.134075	10.76536	3.88E-09	3.07E-07	11.22487	2.416107	2.332462	2.514675	2.48816	2.490996	2.675323	2.102195	2.290412	2.616448	5.337619	5.599299	5.507659	5.926252	5.844361	5.824445	7.203182	7.149101	7.054532
KIN	ENSG0000	0.17869	3.464994	2.580392	0.01916	0.048597	-3.90312	3.443098	3.347134	3.39613	3.425084	3.616407	3.472196	3.602068	3.672864	3.468658	3.673879	3.509623	3.489405	3.762697	3.915568	3.78667	3.623987	3.705831	3.797179
PIGF	ENSG0000	-0.19497	4.788159	-3.22113	0.004877	0.016553	-2.92737	5.015692	5.077581	5.060398	4.072648	4.293254	4.34463	4.883375	4.976535	4.776822	5.223242	5.19846	5.156974	4.695993	4.66441	4.735974	5.018176	4.956102	5.01537
ANKAR	ENSG0000	0.296786	0.702324	1.186654	0.251244	0.36556	-5.47143	1.286899	1.591918	1.499186	1.104644	1.768674	1.250575	1.648695	1.658879	1.314712	0.781331	1.228418	1.73919	1.548989	1.393161	1.390007	1.320757	1.547811	1.626848
INPP1	ENSG0000	0.155999	3.8478	1.339526	0.197559	0.302007	-6.14345	3.114469	3.057038	3.013906	3.57705	3.531716	3.445903	3.474265	3.698786	3.60036	4.789709	4.602618	4.719298	4.163669	4.067774	4.315833	4.730238	4.683969	4.646745
MFSD6	ENSG0000	-0.18381	5.652112	-2.78892	0.012361	0.034508	-3.92777	4.984965	4.826575	4.831244	5.800209	5.919145	5.958972	4.487843	4.533523	4.41276	6.038616	6.087875	5.886627	6.957609	6.925031	6.938226	5.857736	5.989515	5.91704
RNF144A	ENSG0000	-0.24806	3.62662	-2.41335	0.027035	0.063784	-4.18949	4.302931	4.424018	4.388298	4.440838	4.293254	4.330328	4.143751	4.070428	3.979442	3.385609	3.509623	3.406715	2.949505	2.950162	3.085545	3.171932	3.422593	3.279535
ASAP2	ENSG0000	0.071309	6.101042	1.074573	0.297177	0.41614	-6.71184	7.270302	7.190625	7.21803	7.35179	7.321207	7.235461	7.228432	7.215322	7.151451	4.936085	4.893523	5.076957	4.922141	4.875912	4.863891	5.177758	5.211838	5.194471
ADAM17	ENSG0000	-0.05101	6.45858	-0.75868	0.458155	0.578759	-7.14639	6.536854	6.439039	6.56416	6.130133	6.142633	6.087841	6.434968	6.427182	6.403833	6.60001	6.574087	6.549493	6.661776	6.634702	6.68813	6.558188	6.549018	6.578118
FLI1	ENSG0000	0.552697	-1.02956	1.439062	0.167801	0.266741	-4.94692	3.17016	3.310847	3.24453	2.021307	2.155834	1.919272	3.80164	3.89093	3.655245	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
TMEM45B	ENSG0000	0.227043	0.480844	1.666564	0.11342	0.197008	-5.45543	0.216396	0.316291	0.219246	0.106501	0.389229	0.2349	0.106501	0.106501	0.106501	3.695491	3.774119	3.738597	5.107173	4.956139	4.938437	4.132632	3.986735	3.992166
WWC2	ENSG0000	0.460417	5.844515	3.155831	0.00562	0.018492	-3.14156	6.477388	6.488612	6.464749	6.406612	6.452019	6.508848	6.928119	6.973969	6.904826	4.710546	4.758608	4.551799	5.631211	5.57015	5.555558	5.117505	5.126826	5.119922
CENPU	ENSG0000	0.02938	4.869419	0.18871	0.852494	0.90068	-7.22329	5.476884	5.430295	5.372225	4.342447	4.439897	4.656929	5.657922	5.6164	5.719525	5.560088	5.518087	5.524349	3.221013	3.141796	3.064395	5.353134	5.375316	5.332922
ACSL1	ENSG0000	0.379066	7.149054	1.540769	0.141283	0.233309	-6.305	6.244294	6.224976	6.291837	8.408097	8.368655	8.402108	7.351757	7.297141	7.232643	7.04721	7.048421	7.001418	7.208843	7.22818	7.182313	6.758499	6.786578	6.807033
SLC25A4	ENSG0000	0.584357	5.057837	9.570417	2.28E-08	1.23E-06	9.452182	4.683882	4.604738	4.59048	5.190356	5.248674	5.211499	5.409787	5.400404	5.44755	4.842324	4.836805	4.86698	5.26928	5.250999	5.269387	5.284643	5.299655	5.144062
AMN1	ENSG0000	-0.547	3.444154	-5.83044	1.80E-05	0.0002	2.917232	4.553837	4.468622	4.37619	2.887595	3.073582	2.763128	4.011872	4.203129	3.796224	3.991785	3.842432	3.990867	2.770846	2.962168	2.716753	3.470581	3.422593	3.279535
BICD1	ENSG0000	-0.12268	4.774597	-1.68002	0.110738	0.193455	-5.8625	3.792713	3.829904	3.979882	4.199863	4.231942	4.121933	3.916741	3.749274	3.867685	5.847534	5.823267	5.877208	5.623918	5.606937	5.563117	5.708869	5.755617	5.595534
SAV1	ENSG0000	-0.45034	5.54875	-7.11325	1.48E-06	2.93E-05	5.13949	5.876913	5.776943	5.796906	5.312338	5.465853	5.484421	5.272444	5.408281	5.207006	5.664228	5.862677	5.881925	5.72145	5.743628	5.689366	5.361471	5.539222	5.385942
CCDC122	ENSG0000	-0.32465	1.954856	-2.50709	0.022304	0.054865	-3.73273	2.461454	2.09705	2.399755	1.840866	1.768674	1.919272	1.966276	1.85606	1.873138	2.749986	2.604605	2.473063	2.67247	2.850343	2.703134	2.400938	2.33471	2.549558
NBAS	ENSG0000	-0.29747	5.579557	-5.91077	1.53E-05	0.000177	2.80943	6.397977	6.437637	6.454708	6.314452	6.228101	6.338872	6.042896	6.035417	6.059269	5.001167	4.995233	4.979091	5.125882	5.085249	5.110805	4.783949	4.874338	4.784756
TDO2	ENSG0000	0.364301	-1.02798	1.010323	0.326124	0.446086	-5.4047	2.917019	2.71221	3.231147	2.325974	2.366112	2.22781	3.258446	3.40015	3.199964	0.106501	0.106501	0.106501	0.171976	0.190544	0.106501	0.106501	0.106501	0.106501
GUF1	ENSG0000	-0.08334	5.857856	-1.40276	0.178201	0.279283	-6.36218	6.279537	6.216828	6.245997	5.860706	5.845033	6.0137	6.202659	6.265306	6.157591	5.703867	5.716452	5.688165	5.662871	5.650249	5.640184	5.562876	5.530707	5.666299
SACS	ENSG0000	0.280965	3.896293	1.280697	0.217035	0.325872	-5.80331	6.232898	6.113526	6.222519	6.257092	6.216843	6.534028	6.591391	6.455968	6.561203	2.14259	2.590228	2.228347	1.365252	1.528499	1.247156	1.970607	2.392244	2.091498
CENPJ	ENSG0000	-0.11477	3.492179	-0.62586	0.539492	0.651295	-6.69124	3.87042	4.243278	4.138828	3.51817	3.531716	3.523386	4.011872	4.238905	4.132351	4.054455	4.260723	4.008229	2.145912	2.269709	2.10048	3.737235	4.005291	3.753014
FBXO4	ENSG0000	-0.36418	2.827813	-3.16779	0.005476	0.018112	-2.52139	3.613482	3.57841	3.576275	3.255206	3.47236	3.523386	2.981245	3.063581	3.104585	3.013555	2.741	2.902498	2.504718	2.533802	2.416453	2.77004	2.799093	2.724423
TMEM267	ENSG0000	1.067133	4.403564	9.464951	2.69E-08	1.38E-06	9.360494	4.369865	4.312206	4.332993	4.667726	4.662026	4.531264	5.515028	5.469794	5.330179	3.584041	3.576789	3.543997	4.543538	4.307781	4.329194	4.511692	4.442079	4.572451
CCL28	ENSG0000	0.316833	0.30035	1.87611	0.077443	0.146638	-5.06403	0.503316	0.215206	0.106501	0.258133	0.389229	0.106501	0.269385	0.106501	0.106501	3.50465	3.447177	3.549937	4.126992	4.13825	4.104162	3.842237	3.84969	3.889829
PARP8	ENSG0000	0.580311	4.047132	8.624401	1.04E-07	3.72E-06	8.004246	3.071243	3.298545	3.270929	3.921807	3.923901	4.018682	3.405851	3.856799	3.668646	4.19764	4.314187	4.067404	5.049546	5.068687	5.110805	4.687772	4.784083	4.869935
GFRA1	ENSG0000	-1.76717	-1.19245	-4.42375	0.00035	0.002026	0.303177	3.710582	3.741788	3.801232	2.791417	3.093416	3.247073	1.816207	1.549165	2.34318	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CACUL1	ENSG0000	-0.14526	6.118937	-2.05462	0.05518	0.111987	-5.37895	6.637833	6.641322	6.664647	6.344419	6.28095	6.347775	6.566144	6.651149	6.466555	5.826467	5.850665	5.792059	5.82303	5.920171	5.854018	5.687476	5.562382	5.622786
DST	ENSG0000	0.081557	8.438608	0.647058	0.526002	0.6394	-7.34984	9.310954	9.290995	9.370788	9.276884	9.186962	9.429048	9.740865	9.748566	9.726079	7.496719	7.761834	7.283083	7.577624	7.590589	7.617997	7.241516	7.140033	7.203088
BEND6	ENSG0000	0.805699	1.152983	3.601771	0.00212	0.008451	-1.34651	1.18244	1.002471	1.088647	2.605941	2.366112	2.196611	1.588238	2.029503	1.620777	1.423238	1.435603	1.514616	2.044674	1.622273	1.970087	1.708352	2.006592	1.81044
TIAL1	ENSG0000	0.021295	6.483738	0.485744	0.633182	0.732192	-7.31005	6.65135	6.744686	6.689324	6.707684	6.622106	6.63203	6.720229	6.80227	6.803687	6.401729	6.341745	6.450559	6.095052	6.119594	6.138353	6.343508	6.360093	6.386167
BAG3	ENSG0000	-0.21164	7.47188	-1.80224	0.08878	0.162426	-5.9686	7.777938	7.721964	7.826181	7.515023	7.575941	7.415611	7.290226	7.243113	7.231515	7.718322	7.501591	7.694174	7.083114	6.924264	7.020833	7.686009	7.726922	7.694869
KCNE4	ENSG0000	1.7389	2.491125	4.193583	0.000578	0.003016	-0.11076	8.460421	8.611072	8.548766	9.367754	9.282121	9.323338	10.33395	10.34124	10.30762	0.106501	0.259702	0.16959	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
AP1S3	ENSG0000	-0.11456	4.960847	-2.00574	0.060617	0.120819	-5.36045	4.321496	4.440906	4.339244	4.359318	4.071202	4.241401	4.411387	4.444399	4.305329	5.901221	5.75079	5.820595	5.52402	5.566222	5.769963	5.595049	5.737233	5.642288
RABGAP1L	ENSG0000	-0.32124	5.09526	-2.08411	0.052117	0.107131	-5.18472	4.945613	4.992316	4.966609	4.863733	4.733289	4.707606	4.445869	4.62424	4.694053	5.319175	5.245089	5.269249	6.186014	6.174803	6.273505	4.975361	5.123998	4.99276
CCDC74B	ENSG0000	0.696693	0.231752	2.061941	0.054405	0.110825	-4.10071	1.235614	0.8079	1.406977	2.103714	2.490996	2.288255	1.459147	1.301009	1.445026	0.269074	0.986408	0.594297	1.392977	1.032323	0.910419	0.930351	0.69947	1.058313
TLCD4	ENSG0000	0.124386	4.736407	0.508005	0.617801	0.71849	-6.88329	5.517707	5.659206	5.517107	5.714295	5.3593	5.654797	5.616898	5.777111	5.719525	3.496465	3.605665	3.38694	4.800613	4.959137	4.894173	3.447271	3.68296	3.68882
MZT2B	ENSG0000	0.206086	5.931784	1.551282	0.138752	0.230225	-6.11364	6.41968	6.582925	6.850072	6.854734	7.074115	6.723795	6.770407	6.533639	6.826285	4.61171	5.064472	5.332646	5.20426	5.22881	5.186167	5.638576	5.456227	4.926702
FAM168B	ENSG0000	-0.08614	8.219178	-1.45128	0.164414	0.262466	-6.53318	8.791697	8.785661	8.76965	8.278831	8.246092	8.29755	8.809372	8.813089	8.756433	8.032508	7.994564	7.916788	7.741263	7.681894	7.732621	7.841237	7.798714	7.751523
PTPN14	ENSG0000	0.091416	6.270404	1.503814	0.150484	0.24529	-6.2265	7.068943	7.15695	7.136032	7.11404	7.107417	7.175718	7.274724	7.288631	7.281434	5.360348	5.425972	5.269249	5.607741	5.381888	5.602165	5.371825	5.307153	5.353773
SMPD4BP	ENSG0000	-0.15992	3.78639	-2.1967	0.041794	0.090152	-4.72056	4.117062	3.896716	4.087767	3.714523	3.48743	3.711713	4.034706	4.019913	3.82044	4.156676	4.247042	4.008229	3.708564	3.583837	3.637126	3.836267	3.88352	4.101878
MGAT5	ENSG0000	-0.40369	4.827619	-3.92023	0.001053	0.004878	-1.12123	7.67161	7.745945	7.717608	6.527227	6.530503	6.612955	7.26992	7.213075	7.170416	2.817246	2.924094	2.93917	2.439743	2.363215	2.481722	2.935534	2.985098	2.880366
GPATCH11	ENSG0000	0.18862	4.375336	1.217816	0.23948	0.351495	-6.3188	4.357924	4.324392	4.242513	4.448742	4.485643	4.473866	5.183289	5.201716	4.99996	4.533868	4.5846	4.500578	3.997531	4.10073	4.083285	4.122857	4.128907	4.286716
HSPB8	ENSG0000	0.34369	1.007861	0.927197	0.366452	0.488367	-5.57718	6.877296	6.67621	6.746881	5.342348	5.582723	5.35617	7.131137	7.15691	7.16215	0.106501	0.185134	0.230035	0.106501	0.190544	0.106501	0.106501	0.106501	0.106501
GEMIN6	ENSG0000	-0.22616	5.219157	-4.69989	0.000192	0.001265	0.223333	5.023273	5.048491	5.134153	4.921675	5.079986	5.006395	4.825625	4.771967	4.912549	5.742445	5.645223	5.722758	5.436806	5.538426	5.410157	5.531817	5.449467	5.470195
POU4F1	ENSG0000	-0.01812	2.661183	-0.17432	0.863617	0.908471	-6.66015	2.762544	2.596389	2.641489	2.425456	2.762786	2.825643	2.607661	2.801791	2.616448	3.206534	3.204502	3.247691	3.108457	2.913535	2.618601	3.143207	3.215061	3.202807
OBI1	ENSG0000	-0.30852	4.511818	-4.23121	0.000532	0.002832	-0.68657	5.071598	4.961437	4.720675	4.190466	3.901574	4.130213	4.283766	4.547856	4.563842	4.980776	4.902278	5.043664	4.171694	4.259953	4.311352	4.768358	4.691628	4.898598
SETBP1	ENSG0000	-0.39478	-1.25006	-1.7413	0.099203	0.17773	-4.52613	2.884092	2.91921	3.044832	2.766336	2.633282	3.152687	2.412257	2.357042	2.697131	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ARL14EP	ENSG0000	-0.17663	4.583413	-1.46031	0.161948	0.259638	-6.01958	5.446195	5.363957	5.30675	4.753186	4.770725	4.604407	5.208612	5.068879	5.046897	4.217694	4.132653	4.238998	4.407437	4.340341	4.351192	4.199264	4.156841	4.044405
EPG5	ENSG0000	-0.45102	4.340665	-5.93228	1.46E-05	0.000171	3.018986	4.610293	4.463121	4.453135	4.619522	4.500575	4.580436	4.154215	4.282412	4.216877	4.545816	4.771408	4.352105	4.621778	4.545767	4.649854	4.021281	3.980496	4.073428
PSTPIP2	ENSG0000	0.302851	2.883421	1.372841	0.187161	0.289565	-5.93495	2.744313	2.784561	3.075109	1.256461	1.498102	1.757653	3.178682	3.302095	3.289427	3.560679	3.501964	3.439082	3.88976	3.871689	3.760608	3.743628	3.779553	3.68882
ATP5F1A	ENSG0000	0.319149	8.39528	6.085683	1.07E-05	0.000135	2.875051	8.505094	8.531511	8.468707	8.964568	8.96203	8.973942	8.928462	9.012933	8.975451	7.896058	7.828423	7.925952	8.078176	7.976369	8.031964	8.042279	8.020553	8.076272
HAUS1	ENSG0000	-0.14021	3.917049	-2.07379	0.053171	0.108873	-4.9476	4.584905	4.490417	4.418131	4.031135	3.967543	3.818042	4.302704	4.467202	4.3476	4.048869	4.107636	4.046548	3.281595	3.233802	3.387537	4.010719	3.765107	3.992166
C18orf25	ENSG0000	-0.21798	5.495247	-1.94822	0.067631	0.131558	-5.50089	5.747885	5.587707	5.68602	4.96641	5.1432	5.155812	5.431459	5.412203	5.408147	5.643993	5.631248	5.651341	5.886577	5.904702	5.822871	5.36976	5.5519	5.510546
SPC25	ENSG0000	-0.03584	2.802896	-0.16793	0.868563	0.911439	-6.67918	3.827767	4.043996	3.889066	2.933382	3.170134	2.904994	3.953155	4.157125	4.151567	3.303547	3.390227	3.353367	1.018891	1.393161	1.002253	2.990321	2.947209	3.107809
PDK1	ENSG0000	0.135894	5.069215	0.851156	0.406193	0.528059	-6.85607	5.684757	5.722732	5.676178	5.28169	5.166794	5.280077	5.422829	5.473553	5.577558	4.905504	5.048786	4.994418	3.90909	3.878039	3.760608	5.378002	5.480747	5.486471
PDE3B	ENSG0000	1.015926	0.311899	2.770416	0.012855	0.035578	-2.86424	4.09565	4.17089	4.275483	6.412686	6.426835	6.45713	5.077304	5.210752	5.216162	0.106501	0.106501	0.106501	0.106501	0.26996	0.106501	0.106501	0.106501	0.214669
TCF7L1	ENSG0000	0.297108	0.81631	1.840227	0.08278	0.154323	-4.61382	1.069823	1.118985	0.964748	1.933905	1.437317	1.714252	1.240874	1.082132	1.38134	1.388276	1.265082	1.696985	2.079215	1.921808	1.970087	1.809319	1.478665	1.546329
TGOLN2	ENSG0000	0.243706	8.710705	2.588931	0.018822	0.04795	-4.64061	8.635083	8.700275	8.652178	8.054407	8.192501	8.158241	9.173195	9.081964	9.129065	8.838584	8.856691	8.797749	8.613319	8.695292	8.650419	8.882885	8.862712	8.883657
UHMK1	ENSG0000	-0.25097	8.503184	-7.31438	1.02E-06	2.18E-05	5.274775	8.891369	8.841844	8.855558	8.569947	8.49938	8.541718	8.627937	8.673407	8.535162	8.516391	8.521179	8.450338	8.250988	8.27023	8.347516	8.237508	8.232278	8.269318
ATG10	ENSG0000	0.592017	3.198009	6.382586	5.97E-06	8.60E-05	4.110276	3.408783	3.286138	3.489013	4.103016	3.844198	4.018682	3.733489	4.119235	4.011347	2.650221	2.437987	2.638296	3.165832	3.162755	3.326666	3.143207	3.069818	2.928814
POC5	ENSG0000	0.208516	3.76894	2.551525	0.020344	0.051024	-4.0324	3.903656	3.812706	3.845818	3.766043	3.796595	3.765857	3.976929	4.265167	4.33084	3.864012	3.860515	3.764372	3.778549	3.766081	3.502077	3.906321	3.757829	4.094818
SPOCK1	ENSG0000	0.832696	1.536633	2.608271	0.018079	0.046387	-3.17681	7.390938	7.546471	7.508877	7.802471	7.596935	7.732153	8.400167	8.26913	8.355726	0.106501	0.259702	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TADA1	ENSG0000	-0.15106	4.578285	-2.12182	0.048425	0.101151	-5.0203	4.855064	4.804995	4.938064	4.626508	4.222966	4.651187	4.544628	4.61746	4.570996	4.660143	4.777766	4.623968	4.580176	4.463697	4.649854	4.67445	4.592839	4.661156
GUCY1A2	ENSG0000	0.076488	2.188075	0.510616	0.616008	0.716993	-6.3778	1.861169	1.81559	1.818408	2.840308	2.948483	2.581827	2.186178	1.710758	1.445026	2.620402	2.766797	2.604447	3.091636	3.272884	3.225499	2.731965	2.726388	2.912845
CWF19L2	ENSG0000	-0.10478	3.694219	-1.76594	0.094868	0.171494	-5.53661	3.530804	3.209365	3.148134	2.766336	2.904251	2.784269	3.296733	3.351955	3.124172	4.656475	4.648439	4.755733	4.245787	4.358622	4.27038	4.598895	4.576385	4.531205
JMY	ENSG0000	-0.38127	4.254316	-3.14695	0.00573	0.018804	-2.89894	4.09565	4.136747	4.109872	4.350907	4.544465	4.407292	3.66196	3.924273	3.879258	4.447347	4.540416	4.132188	5.184566	5.32724	5.354615	3.962207	4.029668	3.930053
HOMER1	ENSG0000	0.579208	4.486793	6.78459	2.75E-06	4.80E-05	4.620296	3.454357	3.667203	3.845818	4.209199	4.258538	4.218286	4.045989	4.109604	3.913431	4.920876	4.922503	4.796278	5.111351	5.037822	5.031287	5.511357	5.493948	5.50523
XRCC4	ENSG0000	0.215571	3.40551	2.277557	0.03558	0.079218	-4.502	3.476616	3.128277	3.309643	3.441022	3.093416	3.18484	3.296733	3.491964	2.981126	3.737768	3.554746	3.759253	3.804587	3.793216	3.6725	3.97856	3.923096	4.150354
ZNF547	ENSG0000	0.055289	1.326684	0.417929	0.681088	0.771323	-6.26398	1.475543	1.277811	1.706811	1.519216	1.718467	1.367251	1.70672	1.301009	1.826075	1.964162	2.135404	2.243088	2.145912	2.250257	2.18129	2.115663	2.190809	2.003758
ZNF773	ENSG0000	0.075003	1.859692	0.779941	0.445859	0.566554	-6.52976	0.587539	1.002471	0.679585	1.182548	1.2379	0.909432	0.548589	0.915275	0.515351	4.192583	4.162112	4.067404	4.386902	4.376675	4.398437	4.189932	4.2788	4.229846
ZNF776	ENSG0000	0.437545	4.237445	4.725795	0.000182	0.001211	0.422117	3.643304	3.483793	3.190238	3.791129	3.616407	3.655458	4.154215	4.256466	4.235006	4.717605	4.699561	4.557708	4.994054	4.976997	5.050237	4.847651	5.003024	4.918728
ZNF256	ENSG0000	0.003552	0.115544	0.051371	0.959613	0.974181	-6.95758	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.710546	4.712893	4.557708	4.301707	4.376675	4.419411	4.661004	4.751478	4.467038
SUV39H2	ENSG0000	-0.08323	4.299546	-0.8845	0.388432	0.510043	-6.68491	4.693417	4.634406	4.504099	4.122913	4.177232	4.271657	4.367093	4.637703	4.640652	4.738576	4.644965	4.679211	3.697489	3.599295	3.637126	4.598895	4.645052	4.483349
DCLRE1C	ENSG0000	0.268655	2.171971	2.176498	0.043496	0.092993	-4.32958	2.109269	2.37994	2.138168	2.791417	2.660129	2.719893	2.480375	2.511284	2.165532	2.30136	2.516115	2.396013	2.412911	2.533802	2.465679	2.539649	2.711397	2.687355
RPP38	ENSG0000	-0.16739	4.425292	-2.35574	0.030395	0.06987	-4.53351	5.030813	4.99613	4.85325	4.448742	4.580048	4.543715	4.599263	4.722281	4.73921	4.318634	4.269773	4.32118	4.211164	4.250194	4.297823	4.267397	4.333674	4.115895
NMT2	ENSG0000	-0.16702	3.735038	-0.84757	0.408135	0.530099	-6.38319	5.125418	5.137514	5.197454	4.576883	4.726954	4.679672	4.8959	5.07384	4.923769	2.527059	2.687979	2.682227	3.251622	3.338827	3.299771	2.639009	2.518186	2.528753
ZNF837	ENSG0000	-0.35254	0.269786	-1.34069	0.197188	0.30167	-5.30048	1.069823	0.316291	0.964748	0.934951	1.006428	0.657796	0.782422	0.387194	0.925731	1.704765	1.752042	1.820066	2.079215	1.846087	2.121111	1.599785	1.513652	1.222783
USP12	ENSG0000	0.312358	5.542882	2.698016	0.014979	0.040027	-4.09035	6.213149	6.213556	6.200371	5.371747	5.510796	5.428451	6.504093	6.499019	6.39781	5.096306	4.827642	4.996595	5.036421	5.026432	5.060955	5.392313	5.339201	5.271631
CCDC50	ENSG0000	-0.31716	5.467045	-4.20279	0.000566	0.002977	-0.84267	6.304638	6.233079	6.160332	5.818626	5.818465	5.741121	5.907184	5.935393	5.892253	5.136363	5.079989	5.137382	5.09878	5.12584	5.178806	4.758922	4.90431	4.815144
CAMK4	ENSG0000	0.166724	1.048132	0.612341	0.548196	0.6589	-6.06897	1.384302	1.277811	1.406977	1.888135	1.909591	1.757653	0.983587	1.658879	1.777424	2.121457	1.644832	1.969371	1.446877	1.320413	1.17005	2.055273	1.851139	2.14716
TRIM36	ENSG0000	-0.02521	2.187984	-0.11421	0.910376	0.940896	-6.63824	2.461454	2.470453	2.351095	1.519216	1.373859	1.422231	1.816207	2.147141	1.564539	2.777267	2.753956	3.068941	3.587808	3.520297	3.478287	3.053433	3.138674	2.990979
ZFP36L2	ENSG0000	-0.44274	5.888032	-6.10159	1.04E-05	0.000132	3.094346	5.905908	6.059873	6.009761	5.558653	5.850871	5.513197	5.784566	5.733887	5.800886	6.30194	6.443221	6.537585	5.739109	5.866886	5.850933	5.928183	5.768349	5.78729
PAN3	ENSG0000	-0.07286	4.449042	-1.3577	0.19183	0.295281	-6.18623	4.239263	4.197635	4.1812	4.236852	4.327153	4.537503	4.122591	4.147745	4.252911	4.779626	4.80292	4.714017	4.907798	4.962129	4.860827	4.566809	4.70304	4.7671
PLEKHH2	ENSG0000	-0.79791	1.934375	-3.29778	0.004127	0.014462	-2.13795	2.629805	2.61635	2.641489	1.978268	2.490996	2.581827	1.588238	1.367163	1.727075	2.955028	3.023743	2.816411	1.973006	1.710321	1.667532	2.539649	2.354144	2.84714
PFKM	ENSG0000	0.063992	6.863932	1.950496	0.06734	0.131118	-5.65996	6.903204	6.953285	6.936098	7.049233	7.075362	7.040587	6.974619	7.055228	7.042438	6.715578	6.666063	6.764628	6.842303	6.752581	6.758132	6.798194	6.712283	6.741864
TMEM123	ENSG0000	0.247476	8.643869	4.934748	0.000116	0.000851	0.407331	7.740487	7.792743	7.759578	8.531853	8.500309	8.51272	8.027966	8.194228	8.021599	8.957578	8.977602	8.977085	9.342083	9.425076	9.418066	9.10504	9.190195	9.188129
SPEF2	ENSG0000	-0.2597	1.862718	-1.25035	0.227652	0.338213	-5.67353	1.791852	2.332462	2.138168	1.933905	2.155834	2.164723	1.074544	1.001115	1.826075	2.30136	2.355385	2.396013	3.325419	3.292034	3.353069	2.432936	2.601856	2.326628
MBNL1	ENSG0000	0.310097	6.706439	2.338722	0.03146	0.071911	-4.93862	6.229625	6.245949	6.160332	7.478811	7.455626	7.455695	6.742939	6.704901	6.789957	6.510383	6.612829	6.481968	6.740096	6.731693	6.741572	6.647826	6.607881	6.642477
NADK2	ENSG0000	-0.55951	4.522879	-5.75558	2.09E-05	0.000225	2.595704	5.761547	5.694843	5.69823	3.999198	4.231942	4.414089	4.765467	5.136826	4.813478	4.641707	4.655361	4.765977	3.60569	3.688714	3.533199	4.40281	4.343431	4.525965
GPD1L	ENSG0000	-0.10783	5.236218	-0.69607	0.495539	0.612724	-7.0419	4.066597	4.094678	4.208773	5.185634	5.119213	5.055043	4.302704	4.324646	4.189248	6.242008	6.280384	6.227819	5.896296	5.935475	5.889024	5.926779	6.033874	6.107972
GJA1	ENSG0000	1.629555	0.579003	7.037333	1.71E-06	3.28E-05	4.943279	5.496078	5.325066	5.3383	6.125209	6.18946	6.242871	7.043788	6.983227	7.086787	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CCNO	ENSG0000	-0.22352	3.04208	-1.68567	0.109628	0.192058	-5.26054	3.836399	3.347134	3.648527	4.052041	4.167908	3.907468	3.178682	3.446787	3.543305	2.894025	2.687979	2.845681	2.968056	2.925848	2.795875	2.819293	2.711397	2.277588
SLC30A6	ENSG0000	-0.16585	6.20788	-2.66883	0.015926	0.042062	-4.28184	6.274782	6.132709	6.224209	5.740289	5.4273	5.719334	5.95585	6.100066	5.940005	6.648832	6.610159	6.607605	6.402659	6.430582	6.408658	6.488532	6.505142	6.49609
PELO	ENSG0000	-0.15168	6.101213	-3.45904	0.0029	0.010936	-2.56284	6.991837	6.974705	6.989732	6.583952	6.594535	6.443905	6.735989	6.856535	6.794548	5.705643	5.620676	5.682768	5.273015	5.216333	5.100452	5.559256	5.627716	5.50523
SAR1B	ENSG0000	0.202495	6.633393	3.112515	0.006174	0.019949	-3.38791	6.629166	6.682141	6.675804	6.905872	6.841756	6.83054	7.109791	7.104543	7.100448	6.420236	6.358808	6.47027	6.452917	6.448828	6.476276	6.426311	6.355279	6.386167
GPR180	ENSG0000	0.087048	4.518057	0.634276	0.534115	0.646778	-6.89476	4.369865	4.318312	4.320409	5.031013	4.694855	4.946703	4.599263	4.45204	4.436456	4.717605	4.815334	4.660116	4.35554	4.259953	4.284167	4.762075	4.714363	4.749225
DNAI4	ENSG0000	0.073149	1.544269	0.323862	0.749885	0.824886	-6.17524	2.109269	2.152784	2.079636	2.605941	2.633282	2.697781	2.303642	2.357042	2.047395	1.158593	1.467416	1.277453	2.579013	2.642244	2.433049	1.177011	1.368306	1.370407
ANKRD22	ENSG0000	0.197805	0.838065	1.213688	0.241014	0.353492	-5.87555	0.742531	1.226787	1.088647	0.258133	0.25478	0.461789	0.548589	0.915275	0.833554	3.113269	2.889287	2.745712	2.504718	2.269709	2.544166	3.043104	3.356678	3.121769
FARP1	ENSG0000	0.200889	4.522389	1.788476	0.091047	0.165807	-5.56538	4.138162	4.15733	4.294909	4.778495	4.681813	4.651187	3.928981	3.90213	3.641718	4.553726	4.580969	4.47583	5.389419	5.188499	5.220033	4.999601	4.914163	5.11644
IFIT5	ENSG0000	0.224508	4.834508	1.564331	0.135665	0.226394	-5.97402	4.511345	4.634406	4.55869	5.28169	5.114368	5.155812	4.702691	4.489649	4.66091	4.867929	5.046155	4.934378	4.720818	4.725555	4.752597	5.146741	5.375316	5.284099
SLC16A12	ENSG0000	-0.8316	-0.26462	-2.61888	0.017683	0.045642	-3.28455	0.41387	1.002471	0.756332	0.106501	0.512209	0.2349	0.548589	0.387194	0.629397	2.033684	1.827525	1.896649	1.818016	1.622273	1.900186	1.058946	1.581179	1.273688
PANK1	ENSG0000	0.583583	3.771034	5.740399	2.16E-05	0.00023	2.736313	3.262728	3.704977	3.204003	4.510463	4.091068	4.473866	3.928981	4.030158	4.042563	3.42926	3.654848	3.339716	4.097807	4.062207	4.194539	3.962207	3.974229	3.881648
PRDM8	ENSG0000	0.291284	2.89711	2.032697	0.057562	0.115897	-4.92271	2.798329	2.470453	2.681399	1.888135	1.666451	2.098749	3.423261	3.761625	3.4839	3.681119	3.786782	3.905414	3.100071	2.997596	2.930541	3.842237	3.757829	3.753014
BMP3	ENSG0000	0.101246	-0.62034	1.037592	0.313603	0.433276	-6.02041	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.868884	3.055486	2.948194	3.617489	3.606961	3.629946	2.924322	3.204393	2.880366
HNRNPDL	ENSG0000	0.149737	7.421871	2.566849	0.019707	0.049759	-4.5841	7.213452	7.185623	7.138722	7.467184	7.425624	7.415611	7.435647	7.588129	7.58423	7.452978	7.469059	7.441652	7.51237	7.565724	7.586353	7.329139	7.448218	7.490827
HHEX	ENSG0000	0.250532	2.402354	1.099965	0.286267	0.403934	-5.84156	3.349713	3.057038	3.347346	3.688057	3.832443	3.848471	3.719464	3.711575	3.557782	2.100009	2.155072	2.183199	1.667235	1.2438	1.51998	2.013561	1.82352	2.174206
UTRN	ENSG0000	-0.15801	5.577761	-0.90327	0.378666	0.500727	-6.90717	5.307177	5.404699	5.514348	4.839889	4.900234	5.175948	5.440037	5.259465	5.150819	5.791772	6.084032	5.537862	6.562268	6.501194	6.544689	5.559256	5.637662	5.776299
PTPRK	ENSG0000	0.1426	5.265424	2.13451	0.047238	0.099162	-4.96884	6.179621	6.260292	6.267462	6.969064	6.85634	6.99144	6.462596	6.212301	6.3632	3.688323	3.964495	3.779618	4.568067	4.497087	4.660464	3.912008	4.11758	3.999746
GGPS1	ENSG0000	-0.13696	5.673079	-3.08431	0.006562	0.020888	-3.29813	6.038999	6.090521	5.970031	6.178467	6.184845	6.233295	5.891633	5.839612	5.794788	5.360348	5.321056	5.408164	5.556562	5.468605	5.473701	5.353134	5.304658	5.184529
CNTNAP4	ENSG0000	0.277436	-0.03625	1.710531	0.104858	0.185458	-5.20588	0.106501	0.106501	0.106501	0.258133	0.25478	0.3528	0.269385	0.106501	0.106501	3.403229	3.447177	3.254982	3.599754	3.710228	3.754018	3.383205	3.667508	3.571657
ZNF117	ENSG0000	0.368356	3.682989	2.112354	0.049329	0.102584	-4.98789	1.519087	1.631689	1.744977	3.273122	3.278066	3.364021	2.513265	2.753138	3.00245	5.15208	5.285805	4.918395	5.125882	5.060335	5.136365	5.275849	5.258994	5.332922
PART1	ENSG0000	0.120261	1.462756	0.583539	0.566985	0.676516	-5.93265	3.878801	3.786518	3.819232	4.562385	4.392653	4.293939	3.941119	3.924273	4.103038	0.415169	0.583785	0.594297	0.787801	0.986036	0.910419	0.326864	0.504542	0.659518
RAB3C	ENSG0000	0.336878	-0.68145	1.57881	0.132306	0.221829	-4.79086	3.27548	3.347134	3.408073	4.479932	4.231942	4.30129	3.690999	3.578282	3.681923	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MARVELD2	ENSG0000	-0.2808	3.712984	-1.71563	0.103902	0.184087	-5.665	3.236881	3.39414	3.296854	2.740812	2.429905	2.346268	1.389995	1.85606	1.873138	5.180457	5.193714	5.151125	5.536504	5.5324	5.54032	5.201172	5.140881	5.140638
RAD17	ENSG0000	-0.17025	5.106025	-2.60975	0.018023	0.04627	-4.17951	5.506933	5.625131	5.541709	5.312338	5.274966	5.345543	5.555064	5.368459	5.383978	4.839091	4.910981	5.039448	4.821167	5.034983	4.917949	4.704254	4.699246	4.815144
MED21	ENSG0000	0.620204	4.750285	7.787117	4.37E-07	1.12E-05	6.474829	3.65311	3.768792	3.668523	4.772209	4.688349	4.824468	4.56045	4.444399	4.542164	5.001167	5.032928	4.878827	5.44345	5.458046	5.475705	5.420516	5.53284	5.417409
PLOD2	ENSG0000	0.818673	6.582877	5.390338	4.44E-05	0.000405	1.575998	6.471859	6.598061	6.542653	7.49703	7.387976	7.434957	7.635597	7.675576	7.631189	5.90895	6.052918	5.87366	5.562678	5.690495	5.645534	6.403278	6.403878	6.391939
STK32B	ENSG0000	-1.07462	-1.33091	-3.69135	0.001741	0.007252	-1.09061	2.965042	3.169391	3.28395	2.740812	2.835252	2.845893	1.70672	2.147141	2.087859	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ADGRA3	ENSG0000	-0.04628	6.794063	-0.90337	0.378611	0.500702	-7.04081	6.796655	6.888074	6.868557	7.029605	7.047672	7.038389	6.928119	6.980588	6.945304	6.696055	6.699096	6.616123	6.818221	6.885389	6.834294	6.572622	6.504055	6.387612
SREK1IP1	ENSG0000	0.597399	4.56956	7.195787	1.27E-06	2.61E-05	5.45156	4.500523	4.474101	4.43574	4.97738	4.836932	4.960699	5.444307	5.241941	5.256657	4.19764	4.205202	4.186581	4.31626	4.488812	4.311352	4.438712	4.534411	4.59264
CWC27	ENSG0000	-0.11143	4.79132	-2.08921	0.051603	0.10632	-5.13254	5.1077	4.925889	4.835673	4.562385	4.745876	4.604407	4.730929	4.734864	4.807433	4.971948	4.96212	5.030978	4.856446	4.736081	4.745971	4.947942	4.90101	4.99276
MR1	ENSG0000	0.569119	4.814384	4.006523	0.000871	0.004181	-1.20187	3.530804	4.021717	3.522358	5.245847	5.049849	5.257578	4.6145	4.299455	4.355908	4.98955	5.05665	4.972471	5.440132	5.508039	5.473701	5.452087	5.485161	5.434288
SRP19	ENSG0000	0.431132	3.834263	4.83823	0.000143	0.001003	0.855452	4.044416	4.051346	4.275483	4.555081	4.186495	4.586466	4.758625	4.421231	4.613192	3.312899	3.455132	3.157196	3.5452	3.568213	3.556108	3.574643	3.667508	3.621636
CENPH	ENSG0000	-0.32672	3.975204	-3.29805	0.004124	0.014457	-2.60822	5.272612	5.288212	5.27123	3.290819	3.546181	3.655458	4.832157	4.944392	4.732845	4.346223	4.357275	4.60982	2.25569	2.21055	2.34809	4.32821	4.242761	4.223386
CDYL	ENSG0000	-0.43301	5.70572	-8.01314	2.94E-07	8.10E-06	6.769844	5.70139	5.750092	5.785507	5.558653	5.72937	5.631655	5.167879	5.136826	5.169792	6.175637	6.077605	6.124133	5.950944	5.933952	5.920261	5.824952	5.812922	5.77188

CARHSP1	ENSG0000	-0.0292	5.306448	-0.43998	0.665347	0.75946	-7.11442	5.557407	5.630049	5.631035	5.768983	6.059364	6.024845	5.736627	5.679597	5.696813	4.871097	4.942447	5.074898	5.073302	5.05754	5.000996	4.790139	4.874338	4.749225
BANK1	ENSG0000	-0.34921	0.64878	-1.74578	0.098402	0.176627	-5.0762	0.667115	0.582935	0.598525	0.52061	0.625525	0.461789	0.106501	0.253663	0.106501	3.134522	3.1855	3.164958	3.825085	3.952144	3.843644	3.16242	3.215061	2.912845
TXNDC11	ENSG0000	0.61984	5.636548	5.969225	1.36E-05	0.000161	2.902516	5.528401	5.39028	5.297149	6.438717	6.4692	6.502484	5.982519	5.913422	5.872122	5.046721	4.997958	4.965822	5.479457	5.581868	5.517157	5.753898	5.672912	5.610463
DAB2	ENSG0000	0.085778	2.817832	0.519169	0.610155	0.711808	-6.46331	2.744313	2.448351	2.758051	3.562554	3.457132	3.069023	2.884002	3.285084	2.959482	2.620402	2.674414	2.86487	3.703037	3.826433	3.78667	2.479639	2.568968	2.760563
BCL2L11	ENSG0000	-0.4352	5.498833	-9.42246	2.88E-08	1.44E-06	9.140366	5.019487	4.965333	4.908943	4.681208	4.813207	4.803913	4.637058	4.630987	4.674259	6.613318	6.573173	6.603327	6.118076	6.095271	6.158453	6.102439	6.057777	6.191423
ANAPC1	ENSG0000	0.563267	5.936536	11.94787	7.72E-10	9.18E-08	12.81767	5.750171	5.916304	5.869964	6.090264	6.161547	6.210048	6.56222	6.409631	6.441402	5.546278	5.638252	5.487683	5.710474	5.637204	5.74193	6.044073	6.044381	6.041596
CAST	ENSG0000	0.14044	9.169045	2.881363	0.010153	0.029433	-4.05434	9.048679	9.096208	9.045055	9.829385	9.780816	9.86874	9.253863	9.3006	9.291628	8.796495	8.778405	8.790085	9.197512	9.226624	9.230092	8.786335	8.875377	8.894879
SCOC	ENSG0000	-0.30037	6.303353	-7.16745	1.34E-06	2.71E-05	5.139545	6.947703	6.897281	6.856623	5.724097	5.836231	5.830214	6.53044	6.687205	6.650023	6.630249	6.586815	6.675063	5.637019	5.708425	5.663227	6.338238	6.252876	6.364316
CLGN	ENSG0000	0.204642	1.942215	0.438241	0.66658	0.76036	-6.44147	1.927307	1.849715	2.166567	2.548252	2.633282	2.885561	1.816207	2.324112	1.962896	3.331423	3.086546	3.093551	0.656707	1.2438	1.046067	3.407564	3.256961	3.487904
CETN3	ENSG0000	-0.60138	4.26734	-5.11497	7.92E-05	0.000632	1.271902	4.803168	4.852052	4.831244	3.674639	3.378481	3.632327	3.941119	4.030158	4.08316	4.772865	4.836805	4.825955	4.441025	4.521632	4.452348	4.319678	4.473517	4.370952
SMARCA5	ENSG0000	0.033204	7.596633	1.167586	0.258656	0.3739	-6.85488	7.512395	7.524852	7.549879	7.526272	7.466124	7.485043	7.580408	7.611346	7.561961	7.648478	7.652785	7.707189	7.633169	7.704851	7.660899	7.676434	7.66359	7.712273
SYCP2L	ENSG0000	0.412201	-1.6986	1.535407	0.142588	0.234934	-4.7632	1.681202	2.068355	1.499186	1.933905	1.817192	2.029614	2.01302	2.184314	2.005764	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
BMP6	ENSG0000	0.426553	1.135118	1.263613	0.222964	0.332863	-5.22856	5.533718	5.525733	5.452263	5.316663	5.20376	5.265117	6.031589	5.940834	5.9889	0.483018	0.259702	0.288049	0.171976	0.190544	0.106501	0.257084	0.19538	0.106501
RASSF3	ENSG0000	-0.45151	6.045503	-8.07378	2.65E-07	7.50E-06	6.846137	6.703003	6.688047	6.631923	5.96359	5.981675	5.820014	6.295396	6.191911	6.09693	6.170502	6.141856	6.215726	5.645688	5.793194	5.58556	5.674151	5.856159	5.778504
HNRNPU	ENSG0000	0.009768	9.158956	0.320315	0.752527	0.82677	-7.59294	9.28557	9.350116	9.348689	9.275218	9.25953	9.270476	9.372883	9.366267	9.337972	9.061966	9.079221	9.082529	8.872526	8.86475	8.891088	9.120012	9.010113	9.059633
RANBP2	ENSG0000	-0.26954	7.741996	-4.16337	0.000617	0.003171	-1.21001	7.910052	7.938606	7.928188	7.92227	7.877058	8.067921	7.701295	7.669853	7.621746	7.887085	7.954787	7.740036	7.485661	7.521279	7.513607	7.589055	7.610036	7.543634
AHCTF1	ENSG0000	-0.26659	7.441506	-5.31292	5.22E-05	0.000455	1.319409	8.208625	8.267673	8.275263	7.615874	7.554636	7.712988	7.918662	7.881285	7.890488	7.163562	7.189216	7.086636	6.761524	6.875108	6.788275	7.000578	6.894213	7.026979
MERTK	ENSG0000	-0.73077	3.699171	-8.05185	2.75E-07	7.68E-06	6.927682	1.791852	2.039077	2.079636	2.021307	2.03796	1.919272	2.376953	1.945386	2.408535	6.358354	6.302599	6.280572	5.516163	5.522299	5.487671	5.492503	5.498321	5.448204
TMEM87B	ENSG0000	1.017577	4.972014	10.73311	4.06E-09	3.18E-07	11.19832	3.236881	3.114308	3.296854	5.15214	5.075006	4.983728	4.606901	4.657666	4.626988	5.066207	5.179378	5.074898	6.263154	6.220499	6.261939	5.85183	5.964444	5.958469
PTPRR	ENSG0000	-0.82309	0.361744	-3.48997	0.00271	0.010367	-1.53065	1.642349	1.780637	1.853768	0.841981	1.164793	0.909432	0.782422	0.915275	0.925731	1.52331	1.335727	1.158083	1.186687	1.428204	1.390007	1.13872	1.072305	1.222783
NR4A2	ENSG0000	2.382076	3.589846	5.809833	1.87E-05	0.000206	2.979574	3.300651	3.142112	3.270929	5.355021	5.539998	5.481188	6.357843	6.097632	6.3632	2.589954	2.766797	2.615819	2.385571	2.148862	2.257813	2.719047	2.634012	2.84714
PLA2R1	ENSG0000	1.273317	1.886502	4.313036	0.000445	0.002455	0.12545	5.042051	5.130591	5.064177	6.283849	6.071915	6.221718	6.351036	6.361757	6.338259	0.54782	0.259702	0.16959	0.234608	0.550009	0.651457	0.517985	0.358227	0.315289
RBMS1	ENSG0000	-0.11496	6.265039	-0.65278	0.522391	0.636423	-7.18681	6.794442	6.757101	6.807875	5.996317	6.010649	6.000211	6.132946	6.252236	6.181159	5.972292	5.896664	5.923699	6.553081	6.566546	6.569296	6.192812	6.248988	6.268742
SCN3A	ENSG0000	1.380094	0.864585	2.007616	0.0604	0.120521	-4.29936	1.18244	1.118985	0.679585	3.325575	3.188693	3.27721	2.144798	2.596487	2.798137	1.388276	1.725977	1.305813	0.46104	0.550009	0.470356	1.354562	1.513652	1.322858
SLC25A27	ENSG0000	-0.65249	0.74371	-3.07094	0.006755	0.021355	-2.35402	1.602421	1.883052	1.54317	1.978268	2.193078	1.880533	1.074544	1.15884	0.735084	1.073118	1.369793	1.126631	1.916818	1.766169	2.036756	0.930351	1.16325	1.170016
ADGRF1	ENSG0000	0.105548	2.054651	3.212419	0.00497	0.016807	-3.14309	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	8.194322	8.231269	8.270689	8.530906	8.526172	8.560993	8.311449	8.305856	8.375818
ADGRF4	ENSG0000	0.366387	3.510931	2.235486	0.038698	0.084692	-4.69405	2.762544	2.61635	2.830836	3.392671	3.073582	3.168853	2.933443	2.568641	3.044176	4.455814	4.55159	4.463295	3.719554	3.666873	3.880413	4.908658	4.940116	4.836464
CYRIB	ENSG0000	-0.06347	7.373043	-0.9624	0.348977	0.470155	-7.07552	7.184164	7.196438	7.227328	6.424759	6.340256	6.475118	6.900414	6.900479	6.964447	8.013276	7.963528	7.975344	7.666562	7.715529	7.688809	8.096977	8.081213	8.075824
ASAP1	ENSG0000	0.499927	6.552431	13.49742	1.12E-10	2.18E-08	14.73884	6.416805	6.422128	6.504227	6.386177	6.41703	6.554168	6.928119	6.980588	6.935637	6.343601	6.375671	6.310622	6.373383	6.343771	6.439786	6.805087	6.787472	6.908163
TRAPPC8	ENSG0000	0.104235	5.427632	1.405255	0.177471	0.278539	-6.26672	5.446195	5.480165	5.431935	5.875441	5.891089	6.115212	5.781194	5.836697	5.729151	5.238045	5.181778	5.11752	5.338642	5.301484	5.371934	5.002269	5.072132	5.119922
LINC00467	ENSG0000	-0.23928	3.910174	-3.22497	0.004836	0.016444	-2.71192	4.239263	4.15733	4.080323	3.740513	3.683372	3.608819	3.866715	4.175703	3.890739	4.161861	4.296585	4.264509	3.840269	4.132949	4.002193	3.923315	4.047684	4.014786
INO80C	ENSG0000	-0.29792	3.152878	-3.49828	0.002661	0.010215	-1.92405	3.520128	3.537122	3.65856	3.392671	3.588725	3.419122	3.352323	3.318907	3.289427	3.358771	3.431133	3.501717	2.949505	2.997596	2.906973	3.152846	3.236163	3.035906
LPCAT1	ENSG0000	0.255512	6.962939	1.701972	0.10648	0.187782	-6.08568	6.727572	6.673831	6.71719	7.032237	7.156561	7.101862	6.725501	6.781193	6.830763	7.050708	7.222223	7.095801	6.6632	6.703363	6.520626	7.581045	7.499297	7.46915
NMRAL1	ENSG0000	0.028709	5.652622	0.531633	0.601672	0.704565	-7.18283	5.454629	5.269425	5.429007	5.479843	5.713437	5.581211	5.405414	5.388507	5.359397	5.845924	5.776414	5.850985	6.02701	6.071917	6.0375	5.915499	6.006502	5.671054
UBALD1	ENSG0000	0.139119	4.766313	1.960581	0.066065	0.129277	-5.33719	4.375799	4.435299	4.616447	4.904536	4.987618	4.568299	4.576101	4.55497	4.640652	4.738576	4.836805	4.965822	5.304378	5.133823	5.173877	5.087664	5.036489	4.840691
TMEM251	ENSG0000	0.190261	3.596812	1.968268	0.065108	0.127749	-5.09033	3.026682	2.935191	2.94999	3.562554	3.574682	3.349911	3.571163	3.633086	3.614278	4.092963	4.040487	4.067404	4.207266	4.056619	4.232958	4.031767	4.047684	3.976887
ING1	ENSG0000	0.035319	3.343497	0.292564	0.7733	0.841158	-6.75563	3.43175	3.382531	3.511328	3.753334	3.796595	3.419122	3.617275	3.633086	3.771595	3.512789	3.524821	3.71764	3.108457	3.141796	3.075009	3.516101	3.595851	3.228839
ADPRHL1	ENSG0000	-0.1285	3.395848	-1.17768	0.254713	0.369438	-6.05264	3.792713	3.983805	3.995797	4.031135	3.988879	4.10523	3.507292	3.491964	3.668646	3.058725	2.829342	3.325935	3.429485	3.393046	3.454098	3.298901	3.104657	3.189613
CMTM7	ENSG0000	-0.36784	5.38471	-4.3253	0.000433	0.002405	-0.64946	4.837972	4.538284	4.681852	4.562385	4.614773	4.586466	3.828023	3.809996	3.69508	6.552442	6.485588	6.635107	6.587983	6.589946	6.646931	6.398222	6.360093	6.362847
FBXL2	ENSG0000	-0.30738	3.437632	-1.30574	0.208568	0.315387	-5.92104	4.206344	4.006672	4.050156	3.456785	3.683372	3.485165	3.705302	3.477062	3.655245	3.102524	3.146729	3.077191	4.234338	3.993677	4.046009	3.022222	3.034117	2.975687
UBP1	ENSG0000	-0.07181	6.877381	-1.79993	0.089158	0.162947	-5.92349	6.942715	6.941466	6.90904	6.687785	6.635697	6.596615	6.706074	6.823043	6.722489	7.028174	7.046448	7.092753	6.849825	6.876695	6.933131	7.034863	7.063147	7.131584
RMND5A	ENSG0000	-0.12477	6.019014	-1.31816	0.204466	0.310437	-6.50127	6.171116	6.178742	6.095343	5.990913	5.836231	5.928437	6.227647	6.236837	6.181159	6.028718	6.033125	5.995103	6.222205	6.183802	6.202679	5.715389	5.724222	5.804702
RPIA	ENSG0000	-0.3813	5.383228	-3.06779	0.006801	0.021464	-3.3538	5.814934	5.902145	5.86564	4.479932	4.607895	4.662649	5.188389	5.233099	5.121883	5.776643	5.736174	5.780738	5.497128	5.487419	5.591116	5.655626	5.639643	5.523749
PTPRD	ENSG0000	0.82338	1.996334	3.178953	0.005345	0.017792	-2.17836	4.12413	4.204245	4.1812	5.790912	5.637789	5.786355	4.974767	4.938965	5.015776	0.609835	0.524532	0.639567	0.610222	0.784432	0.470356	0.789161	0.924142	0.659518
LURAP1L	ENSG0000	-0.43444	3.928738	-3.88185	0.001145	0.005209	-1.33509	4.226185	4.15733	4.188143	3.342644	3.362223	3.445903	3.219115	3.431409	3.218306	4.489195	4.517806	4.527922	4.407437	4.480488	4.516048	4.340914	4.263465	4.399883
CNKSR3	ENSG0000	-0.34136	4.606137	-1.59236	0.129227	0.217971	-5.91625	5.631194	5.504468	5.347631	3.605613	3.546181	3.786958	4.96291	5.002785	4.956916	4.769473	4.599033	4.742826	4.687622	4.585115	4.719156	4.519164	4.551348	4.562249
GTF2E1	ENSG0000	-0.27516	5.070038	-6.00921	1.25E-05	0.000152	3.063099	5.717835	5.820613	5.767078	5.424805	5.465853	5.500479	5.523124	5.477302	5.519576	4.983707	4.824575	4.81613	4.527992	4.446707	4.504317	4.630284	4.637141	4.510131
CFDP1	ENSG0000	-0.28059	4.722988	-3.16831	0.00547	0.018106	-3.00818	4.901049	5.063109	4.89628	4.510463	4.500575	4.379778	4.437325	4.282412	4.270596	4.968993	4.987026	5.133432	4.978126	4.784213	4.97856	4.879929	5.033479	5.044977
ZDHHC7	ENSG0000	0.026383	6.773256	0.704556	0.490369	0.607899	-7.21786	6.561793	6.620472	6.62042	6.694449	6.69207	6.58612	6.673707	6.71922	6.73369	6.988601	6.881357	6.970749	6.928304	6.899505	6.878134	6.957917	6.866568	6.890944
C7orf31	ENSG0000	0.100965	-0.38658	0.466204	0.646827	0.744044	-5.73694	1.475543	1.631689	1.499186	1.888135	2.299368	1.993763	1.588238	1.301009	1.826075	0.269074	0.259702	0.397516	0.562188	0.550009	0.593579	0.326864	0.358227	0.315289
JAZF1	ENSG0000	1.15365	0.81405	4.016187	0.000853	0.004118	-0.46077	1.927307	1.708084	1.499186	3.661095	3.546181	3.523386	3.115825	2.623806	2.440135	0.669294	0.330605	0.683459	1.018891	0.837535	0.812339	0.930351	0.69947	0.734116
CMIP	ENSG0000	0.225576	6.827345	1.940161	0.068669	0.133163	-5.67999	7.0726	7.198922	7.247408	6.638531	6.675717	6.742819	7.127159	6.917137	7.050138	6.399536	6.447215	6.373102	6.801509	6.74912	6.791496	6.955854	6.985831	6.957648
PID1	ENSG0000	-0.54762	3.764811	-4.52312	0.000282	0.001703	0.11772	4.532747	4.604738	4.616447	3.791129	3.796595	3.523386	3.80164	3.798055	3.913431	4.217694	4.219284	4.431472	2.95881	2.901116	2.870883	4.132632	3.890192	3.823043
TRIP12	ENSG0000	0.073164	8.264614	1.725789	0.10202	0.181588	-6.134	8.391804	8.385037	8.414606	8.498924	8.402339	8.567861	8.533399	8.567915	8.45574	8.024348	8.058948	7.90322	8.188584	8.176732	8.218535	8.020398	7.990209	8.052783
FBXO36	ENSG0000	0.772655	1.128058	5.28098	5.58E-05	0.000479	2.038641	0.742531	0.8079	0.898566	1.791994	2.193078	1.919272	1.525136	1.430416	1.50602	1.423238	1.588084	1.67541	2.791825	2.729118	2.743612	2.034568	1.795362	1.877799
CEBPG	ENSG0000	0.049117	5.70942	0.425295	0.675812	0.766918	-7.21999	6.530219	6.45852	6.476139	5.591153	5.627623	5.614052	6.55434	6.60563	6.575503	5.319175	5.283572	5.251133	5.188526	5.154897	5.2032	5.28245	5.225092	5.377239
KCTD15	ENSG0000	0.391549	2.508203	2.429287	0.026169	0.062225	-3.6631	5.350006	5.361002	5.238162	5.848808	6.031362	5.877705	5.683433	5.640007	5.754509	0.669294	0.748206	0.726056	0.869014	0.612281	0.707101	1.058946	0.816175	0.805046
ZNF599	ENSG0000	-0.35856	1.771559	-2.07114	0.053444	0.109274	-4.58934	2.19231	2.125186	1.818408	0.934951	1.2379	1.250575	1.317361	1.710758	1.314712	2.894025	2.85362	3.018425	3.004458	3.032175	2.942182	2.554269	2.985098	2.724423
MCOLN2	ENSG0000	0.415627	2.980533	2.263806	0.036572	0.081058	-4.28116	2.884092	2.870177	2.982302	4.272916	4.061165	4.323123	3.440463	3.833587	3.406029	2.83033	2.779525	2.485514	2.83289	3.032175	2.883013	2.611312	2.799093	2.760563
DDAH1	ENSG0000	-0.57055	6.608033	-3.20008	0.005105	0.017158	-3.2105	7.272689	7.283278	7.320316	6.159327	5.927456	6.020397	6.979041	6.943124	6.883434	6.840465	6.758966	6.786176	6.656782	6.552718	6.668992	6.059528	6.07105	6.048921
SREK1	ENSG0000	0.095115	5.721766	1.262981	0.223186	0.333107	-6.51827	5.613726	5.625131	5.620809	6.095309	6.002805	6.140024	5.83747	5.783182	5.800886	5.694953	5.65216	5.660978	5.591381	5.699488	5.625819	5.535505	5.711094	5.809023
CHD1	ENSG0000	-0.09274	6.813348	-1.44055	0.167386	0.26617	-6.43916	7.022419	6.956225	6.936098	6.904436	6.920203	7.054792	6.962762	7.011943	7.057797	6.87165	6.963128	6.845337	6.443004	6.43274	6.468246	6.71443	6.597726	6.717939
DGKE	ENSG0000	0.840835	4.302394	5.963912	1.37E-05	0.000163	3.086639	4.09565	4.230384	4.080323	4.626508	4.745876	4.67402	5.315037	5.348128	5.383978	3.851231	4.166964	4.087963	3.551365	3.583837	3.849837	4.336692	4.40994	4.531205
HS2ST1	ENSG0000	1.080548	5.146116	5.888917	1.60E-05	0.000184	2.851771	4.461995	4.649014	4.55869	6.573146	6.535948	6.523066	6.045709	6.053109	5.923331	4.355303	4.399113	4.182763	4.888451	4.8854	4.912042	4.894365	4.755137	4.894538
MSI2	ENSG0000	0.598388	6.019946	9.246513	3.80E-08	1.79E-06	8.843183	5.788487	5.846194	5.823902	6.159327	6.028789	6.144119	6.462596	6.452163	6.48939	5.540318	5.679581	5.507659	6.166067	6.131604	6.215927	6.06974	6.164826	6.107972
CACNA2D1	ENSG0000	1.133175	3.624719	4.686389	0.000198	0.001289	0.684701	4.073915	4.342481	4.301326	6.229828	6.149755	6.33171	5.409787	5.443204	5.497217	2.121457	2.074736	2.038602	2.439743	2.21055	2.497588	2.539649	2.755911	2.277588
ZUP1	ENSG0000	-0.38747	3.638689	-5.94378	1.43E-05	0.000168	3.144462	4.051848	4.080378	4.145977	3.562554	3.759832	3.655458	3.539581	3.646467	3.681923	3.87036	3.860515	3.896118	3.691919	3.629721	3.700188	3.478269	3.68296	3.650813
HS3ST3A1	ENSG0000	0.528732	-1.04847	1.477143	0.157429	0.25411	-4.8713	2.27083	1.883052	2.248556	2.740812	2.811499	2.605775	2.696258	2.540248	2.846105	0.190076	0.106501	0.16959	0.106501	0.106501	0.186984	0.106501	0.19538	0.106501
GDPD1	ENSG0000	-0.29864	1.773349	-0.87918	0.391232	0.512774	-6.03703	2.438959	2.232543	2.423483	1.326771	1.307481	1.623325	2.01302	2.420731	2.376228	1.91588	2.135404	2.369387	2.986372	2.985883	3.147195	1.903678	1.82352	1.844513
NUS1	ENSG0000	0.261397	6.0857	6.953165	2.00E-06	3.75E-05	4.780073	6.323181	6.282324	6.337827	6.316613	6.360859	6.410303	6.489704	6.627726	6.562999	5.726788	5.672774	5.765503	5.692458	5.681447	5.723497	5.936577	6.03538	6.000631
SEMA3D	ENSG0000	1.10859	2.188199	3.657206	0.001877	0.0077	-1.16577	7.136904	7.082671	7.110678	8.702706	8.581991	8.786943	8.257012	8.226886	8.19658	0.190076	0.106501	0.16959	0.171976	0.26996	0.186984	0.106501	0.2791	0.214669
PPP2R5E	ENSG0000	0.222873	5.731047	3.99993	0.000884	0.004228	-1.37675	5.086148	5.044814	4.978671	5.674404	5.671168	5.605169	5.457042	5.575011	5.396113	5.970815	6.017092	5.98965	6.328324	6.364273	6.298627	6.049243	6.078372	6.097414
CABYR	ENSG0000	-0.07569	3.294744	-0.64784	0.52551	0.63902	-6.37731	4.969353	5.151261	4.990634	5.031013	4.933626	4.894191	4.96291	5.063901	4.90124	2.30136	2.303453	2.120715	1.935792	1.970168	1.580823	1.992244	2.169028	2.252429
IMPACT	ENSG0000	-0.42539	5.549781	-3.66491	0.001845	0.007602	-2.06558	6.134836	6.202044	6.191761	5.346585	5.221894	5.373711	5.444307	5.58894	5.605699	5.552212	5.583055	5.516787	5.498724	5.655804	5.60033	5.319295	5.329416	5.308717
ANKRD29	ENSG0000	0.07107	0.785895	0.285712	0.778457	0.84496	-5.95827	3.509372	3.58855	3.443319	3.255206	3.709312	3.632327	3.586698	3.550079	3.373665	0.269074	0.330605	0.639567	0.294634	0.345231	0.404558	0.457048	0.572487	0.580851
SDHAF4	ENSG0000	0.028626	3.056628	0.317757	0.754434	0.82797	-6.61249	3.623492	3.428416	3.717332	3.472378	3.832443	3.678224	3.632324	3.736817	3.572114	2.930935	2.674414	2.893183	2.940139	2.770668	2.821313	2.731965	2.868308	2.880366
C16orf74	ENSG0000	-0.24809	0.091172	-0.80477	0.431765	0.552925	-5.65618	1.826927	1.708084	1.706811	1.933905	1.612488	1.575618	1.240874	1.082132	1.674905	0.483018	0.524532	0.958181	0.828978	0.837535	0.533283	1.099384	0.504542	0.734116
TBCEL	ENSG0000	-0.47814	4.557598	-4.66888	0.000206	0.001327	0.243237	5.128936	4.973094	5.045184	3.619685	3.734793	3.678224	4.31208	4.644388	4.520155	5.141621	5.19846	5.149169	4.610014	4.653345	4.508238	4.796302	4.721863	4.789136
ANKH	ENSG0000	1.942748	1.473432	4.42439	0.000349	0.002024	0.337903	5.300954	5.37864	5.316288	6.635072	6.566426	6.634942	7.419472	7.251895	7.366126	0.269074	0.185134	0.230035	0.171976	0.190544	0.263213	0.257084	0.106501	0.106501
OTULIN	ENSG0000	0.11443	5.906544	1.778402	0.092738	0.168353	-5.83508	6.014486	5.946183	5.955863	5.938549	5.910785	5.865358	6.29303	6.343387	6.231692	6.024455	5.919844	5.913369	5.681258	5.59927	5.489655	5.977832	5.833837	5.828306
UBASH3B	ENSG0000	-0.54614	4.204354	-2.45493	0.02483	0.05971	-4.16559	6.822954	6.763828	6.737446	4.915985	5.024245	4.707606	5.973684	5.783182	5.877902	2.868884	2.792142	2.93917	2.096181	2.381211	2.276326	3.415594	3.458949	3.31642
ROBO3	ENSG0000	-1.21516	0.781826	-2.95888	0.0086	0.025775	-2.52136	4.630287	4.538284	4.739702	2.840308	2.904251	3.168853	3.219115	3.232814	3.340558	0.269074	0.640699	0.230035	0.407676	0.484926	0.263213	0.457048	0.358227	0.659518
TBRG1	ENSG0000	0.088023	5.335375	1.568935	0.134589	0.224968	-6.03124	5.246942	5.306756	5.277754	5.59472	5.681033	5.751893	5.360933	5.427787	5.474506	5.101711	5.008809	5.156974	5.568769	5.59927	5.736926	5.072509	5.118327	5.217405
RETREG1	ENSG0000	1.235535	0.023816	4.010809	0.000863	0.004147	-0.47009	3.765853	3.714268	3.698006	4.797189	4.614773	4.586466	4.950956	4.802174	5.041756	0.190076	0.106501	0.106501	0.106501	0.106501	0.186984	0.183756	0.19538	0.106501
TOMM70	ENSG0000	-0.11135	7.561483	-3.17142	0.005433	0.018024	-3.36248	7.453996	7.505583	7.444378	7.328418	7.349318	7.297432	7.402016	7.441347	7.494896	7.867782	7.799424	7.840386	7.676819	7.687781	7.709817	7.660053	7.628109	7.661809
ABI3BP	ENSG0000	0.379597	1.002004	0.61998	0.54327	0.654747	-5.80997	4.309146	4.256058	4.242513	3.562554	3.747367	3.510758	4.576101	4.467202	4.322386	0.190076	0.106501	0.230035	0.982856	1.203912	0.707101	0.326864	0.358227	0.409347
ANGPT1	ENSG0000	0.112257	0.092332	0.404441	0.690794	0.77894	-6.2493	0.503316	0.499412	0.512639	0.106501	0.25478	0.563119	0.670238	0.509405	0.735084	2.078238	1.851833	1.933468	2.67247	2.784257	2.481722	1.970607	2.054898	1.910335
PITPNC1	ENSG0000	1.410556	4.243838	11.89433	8.28E-10	9.75E-08	12.77804	5.269428	5.263109	5.372225	4.999073	4.911451	5.072334	6.857834	6.787247	6.941169	2.679436	2.912585	2.911754	2.683738	2.433888	2.497588	3.588914	3.698248	3.725851
CC2D1B	ENSG0000	0.21901	5.267283	3.902317	0.001095	0.005025	-1.49336	4.859306	4.921884	4.990634	5.573188	5.543607	5.646163	5.253102	5.327507	5.287386	5.195703	5.167323	5.230939	5.513008	5.54043	5.574382	5.308556	5.297147	5.277879
PRKCA	ENSG0000	0.047398	6.385199	0.731701	0.474049	0.59328	-7.13121	6.574748	6.655861	6.616566	6.615894	6.798609	6.882928	6.849809	6.723961	6.70796	6.055429	6.354561	5.98965	6.07914	6.006758	6.108959	6.082404	6.082747	6.076062
LRRK1	ENSG0000	0.5832	2.700574	4.693794	0.000195	0.001277	0.606067	2.245129	2.009193	1.706811	2.393052	1.768674	2.132113	2.226405	2.255906	2.239236	3.186323	3.478738	3.247691	4.334248	4.298341	4.062102	3.934535	3.88352	3.848451
CEP112	ENSG0000	0.233694	2.731696	2.363334	0.029931	0.069003	-4.11029	2.780548	2.730641	3.013906	3.06262	3.260629	2.961768	2.858632	3.285084	3.023464	2.679436	2.753956	2.786535	3.013417	2.950162	3.064395	3.022222	3.046116	2.668457
ABCA10	ENSG0000	-0.1894	-0.53063	-0.3625	0.721326	0.802645	-5.80366	3.183753	3.085957	3.162305	1.393812	1.164793	1.250575	2.412257	2.511284	2.670735	0.190076	0.259702	0.106501	0.171976	0.26996	0.186984	0.517985	0.2791	0.497646
ABCA5	ENSG0000	-0.0915	2.768561	-0.74377	0.466897	0.58668	-6.21577	4.036946	4.043996	4.011539	4.103016	3.867423	4.018682	4.057185	4.040332	3.990155	1.940223	1.989662	2.104662	2.25569	2.288901	2.382676	1.784732	1.930959	1.703111
C4orf19	ENSG0000	-0.74254	0.050378	-3.4575	0.00291	0.010964	-1.77887	0.587539	0.499412	0.598525	0.52061	0.25478	0.106501	0.269385	0.509405	0.106501	2.966925	2.889287	2.93917	2.329284	2.288901	2.312654	2.384669	2.274787	2.549558
UCHL1	ENSG0000	-0.05025	6.292388	-0.43545	0.668563	0.761639	-6.78253	10.14176	10.1221	10.14218	10.11013	10.10243	10.03092	10.01024	9.98616	10.01678	2.30136	2.42184	2.766268	2.812503	2.671787	2.76998	3.053433	2.972579	3.065099
MIA3	ENSG0000	0.147858	6.196146	2.977566	0.008261	0.024966	-3.60687	6.343004	6.313225	6.280513	6.786205	6.564651	6.70867	6.479338	6.524609	6.472298	5.831356	5.9083	5.837692	5.99118	5.983386	5.975122	6.013979	5.917862	5.972018
DISP1	ENSG0000	0.250338	4.059173	2.512692	0.022047	0.054336	-4.00669	5.163648	5.091908	5.064177	5.626427	5.647884	5.671913	5.418495	5.323347	5.515873	2.918737	2.912585	3.043904	3.031169	2.901116	2.883013	2.924322	3.093137	3.021085
TNIK	ENSG0000	-0.41591	3.081328	-3.4237	0.003133	0.011616	-2.30206	2.320899	2.356396	2.423483	1.840866	1.718467	1.575618	2.226405	1.710758	1.873138	4.61171	4.702905	4.621149	5.062552	5.034983	5.058283	4.302461	4.111883	4.428245
FAM167A	ENSG0000	0.370696	1.344019	1.717768	0.103503	0.183521	-4.93031	1.861169	1.420874	1.585853	1.840866	1.864131	2.164723	1.160105	1.605065	1.244857	1.964162	1.8028	1.653508	2.062048	2.06228	1.900186	2.448672	2.429363	2.326628
NEIL2	ENSG0000	-0.39909	4.222462	-3.2982	0.004123	0.014456	-2.56513	4.505944	4.791891	4.671981	4.857809	4.745876	4.745826	4.057185	4.138304	3.890739	4.299944	4.186209	4.260892	4.118714	4.127629	3.824901	3.97856	4.216457	4.022248
OBSCN	ENSG0000	0.132235	5.65762	1.026996	0.318427	0.438198	-6.76125	5.623734	5.671183	5.965997	5.558653	5.907988	5.899666	5.940817	5.929932	5.869223	5.238045	5.417853	5.137382	6.096106	5.947603	6.056369	5.371825	5.387157	5.356727
LONRF1	ENSG0000	0.083968	3.236011	0.599224	0.556712	0.667108	-6.31832	5.173901	5.195056	5.071705	5.640298	5.4273	5.660525	5.228555	5.192623	5.37174	1.787595	1.672391	1.538714	1.99126	2.363215	1.580823	1.599785	1.513652	1.58715
TRIM11	ENSG0000	-0.10456	5.449066	-1.61647	0.123898	0.211162	-5.99741	5.754732	5.73191	5.823902	5.428807	5.697326	5.556848	5.63569	5.521547	5.493457	5.367097	5.174568	5.464284	5.372111	5.292003	5.374084	5.444259	5.279468	5.284099
ENAH	ENSG0000	0.026824	7.921506	0.201833	0.842378	0.893372	-7.53247	8.534567	8.476605	8.49449	8.017683	7.983859	8.031364	8.502507	8.53861	8.523224	7.378108	7.340751	7.320051	7.802951	7.796964	7.809313	7.368449	7.385262	7.399233
CCSAP	ENSG0000	-0.22643	3.74895	-1.28737	0.214751	0.323193	-6.00561	5.004246	5.044814	4.913139	4.733909	4.628433	4.531264	4.737903	4.709588	4.578115	3.512789	3.463043	3.38694	2.079215	2.250257	2.257813	3.462853	3.449945	3.254409
ASZ1	ENSG0000	-0.13268	-1.38725	-0.96192	0.349208	0.470422	-5.77882	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.98771	1.989662	2.213454	1.818016	1.921808	1.900186	1.65509	1.981819	2.003758
SH3RF1	ENSG0000	-0.1533	5.69681	-1.14003	0.269656	0.386351	-6.71377	5.454629	5.485601	5.316288	4.640378	4.813207	4.707606	5.722633	5.755661	5.653661	6.391835	6.316858	6.385612	6.212513	6.132932	6.215927	5.968311	5.977034	5.944791
BUB3	ENSG0000	-0.20789	6.866185	-5.48855	3.62E-05	0.000346	1.727004	7.631254	7.635357	7.560619	6.667608	6.700177	6.729256	7.36082	7.408344	7.359944	6.844501	6.780495	6.866317	6.074867	6.114225	6.142143	6.634128	6.62298	6.701765
C10orf90	ENSG0000	1.389905	-1.66602	5.132805	7.63E-05	0.000613	1.567985	1.791852	1.631689	1.453818	2.021307	1.768674	1.623325	3.027514	2.825515	2.981126	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
DIPK1A	ENSG0000	1.508773	4.146962	9.298471	3.50E-08	1.68E-06	9.13294	3.17016	3.505362	3.384088	6.05704	6.066908	6.018168	4.845133	4.933517	4.819498	2.574485	3.023743	2.735323	4.437701	4.476309	4.539229	3.848182	4.145732	3.976887
ATP5MC3	ENSG0000	-0.17212	7.767038	-3.42531	0.003122	0.011584	-2.81554	8.517224	8.533152	8.474753	7.937096	8.008878	7.961161	8.400167	8.403272	8.352097	7.47293	7.365233	7.471299	7.108943	7.118474	7.16441	7.230748	7.168441	7.250716
CNTNAP3B	ENSG0000	0.245801	1.309899	1.279585	0.217417	0.326274	-5.39728	1.990546	2.403106	2.138168	2.457149	2.333126	2.455733	2.303642	2.184314	2.798137	1.028404	1.152172	1.248523	1.644349	1.846087	1.801384	1.177011	1.206659	1.322858
PDLIM3	ENSG0000	0.607515	0.924542	2.657289	0.016317	0.042839	-3.1236	1.927307	2.283367	2.018628	3.041869	2.737798	2.885561	2.480375	2.702788	2.616448	0.483018	0.524532	0.76743	1.498836	1.320413	1.390007	0.686723	0.924142	0.659518
SORBS2	ENSG0000	-0.71745	0.862537	-2.74014	0.013706	0.037382	-2.93091	6.717094	6.734449	6.755086	7.607072	7.540256	7.532667	6.01446	6.022646	5.942765	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ELOC	ENSG0000	-0.15385	6.936214	-4.15704	0.000626	0.003205	-1.17582	6.868906	6.976637	6.847881	6.48365	6.510356	6.515184	6.631265	6.703301	6.722489	7.394168	7.300475	7.276381	7.021171	7.073529	7.098964	7.236425	7.20636	7.207186
LY96	ENSG0000	-0.24493	1.330401	-1.61976	0.123185	0.210224	-5.22794	1.12723	0.875715	1.256574	1.022291	1.087782	1.123626	1.648695	1.15884	0.833554	3.036317	2.618839	2.826234	2.930712	2.700737	2.858649	2.583072	2.315011	2.668457
TMSB4Y	ENSG0000	0.104176	1.26998	0.724142	0.47856	0.597563	-6.12618	1.561356	1.061904	1.088647	1.182548	1.498102	1.714252	1.160105	1.001115	0.925731	2.243849	2.212518	2.328504	2.626498	2.517623	2.675503	2.334732	2.552239	2.570068
CXADR	ENSG0000	1.068787	4.894062	5.998875	1.28E-05	0.000154	3.070666	4.484137	4.569336	4.43574	5.062262	4.944587	5.046319	6.025902	6.073067	5.934468	4.237473	4.394983	4.059098	5.056064	5.107039	5.146464	4.730238	4.897703	4.844905
BTG3	ENSG0000	0.186667	5.238142	2.674468	0.015739	0.041676	-4.05001	5.808367	5.814146	5.707924	6.012406	5.842105	5.923682	6.020192	6.082943	5.931692	4.685565	4.616873	4.791271	4.512278	4.492955	4.385705	4.838721	4.829917	4.7671
C21orf91	ENSG0000	-0.17835	4.341558	-2.04791	0.055899	0.113234	-5.16692	3.85351	4.073175	4.003689	3.714523	3.656958	3.377995	3.814892	3.90213	3.979442	5.032639	4.973242	5.189682	5.107173	5.180814	5.084783	4.755763	4.984438	4.878182
NCAM2	ENSG0000	0.562659	0.521658	3.026258	0.007439	0.022919	-2.3987	1.602421	1.81559	1.585853	2.577385	2.078331	2.374422	1.867984	2.147141	2.127218	0.483018	0.640699	0.594297	1.218025	1.120667	1.046067	0.884806	0.759002	0.659518
PDE1C	ENSG0000	0.721544	2.753209	2.027109	0.058184	0.116934	-4.21972	6.950688	6.994859	6.941244	8.017018	7.897651	8.026382	7.660585	7.722926	7.759629	0.34397	0.524532	0.397516	0.610222	0.416769	0.263213	0.457048	0.572487	0.106501
RABGEF1	ENSG0000	-0.00251	1.555125	-0.01408	0.988927	0.99304	-6.25248	2.296082	2.693541	1.921989	2.955742	2.835252	2.346268	2.102195	2.357042	2.408535	1.352446	1.55885	1.60868	1.858352	1.738515	1.801384	1.482378	1.613793	1.416439
MRPL39	ENSG0000	-0.43266	4.694243	-7.98678	3.08E-07	8.38E-06	6.854882	5.533718	5.538865	5.50047	4.59836	4.551652	4.586466	5.032629	5.013152	4.962367	4.73162	4.777766	4.864598	4.135224	4.190213	4.114488	4.489042	4.446612	4.494122
ATP5PF	ENSG0000	-0.03038	6.402386	-0.70185	0.492012	0.60942	-7.15126	6.710065	6.695103	6.667134	6.830739	6.92159	6.822898	6.602897	6.71922	6.730498	6.137986	6.026466	6.179784	6.068434	6.15271	6.123092	6.051821	6.098677	6.028687
GABPA	ENSG0000	-0.33583	4.852914	-4.62081	0.000228	0.001439	0.154575	5.517707	5.533626	5.426074	4.904536	4.871804	4.937296	5.109925	5.21525	5.165072	4.7455	4.833757	4.773612	4.531115	4.729072	4.588211	4.485232	4.40994	4.515429
ADAMTS1	ENSG0000	0.377119	3.224649	1.497398	0.152131	0.247296	-5.4782	5.554794	5.504468	5.589687	3.977507	3.901574	4.027574	5.922569	5.842522	5.900795	1.704765	1.616737	1.67541	2.079215	1.681564	1.801384	2.055273	2.078458	2.06284
TSEN2	ENSG0000	-0.26538	4.114474	-4.10452	0.000702	0.003513	-0.86081	4.239263	4.243278	4.019345	4.020568	3.844198	4.186878	3.976929	3.879643	4.132351	4.573314	4.566354	4.482057	4.234338	4.284065	4.174939	4.180538	4.242761	4.299055

SLFN13	ENSG0000	-0.34121	3.046063	-4.73543	0.000178	0.00119	0.393731	1.927307	1.708084	1.921989	1.022291	1.307481	1.310092	1.160105	1.231675	1.01237	5.927333	5.922715	5.893651	4.795429	4.925808	4.866948	5.546516	5.649508	5.733755
WNT7A	ENSG0000	1.049676	-0.99402	3.954633	0.000976	0.004591	-0.63253	0.106501	0.316291	0.106501	0.258133	0.25478	0.106501	0.106501	0.106501	0.256032	1.616888	1.498542	1.585733	1.935792	1.871771	1.667532	2.464239	2.37332	2.610232
XPC	ENSG0000	-0.49263	6.075294	-8.1662	2.26E-07	6.63E-06	7.028988	6.676807	6.651031	6.606236	6.512219	6.537759	6.51202	5.93476	5.940834	5.986227	5.824834	5.876072	5.905282	5.968325	6.074684	6.010109	5.548343	5.615689	5.582975
CCDC174	ENSG0000	-0.26291	4.44341	-2.01371	0.059699	0.119374	-5.18175	4.798758	4.826575	4.85325	4.161901	3.923901	4.233737	4.462805	4.55497	4.388669	4.660143	4.411431	4.569452	4.82626	4.729072	4.635585	4.222335	4.49118	4.45606
FLCN	ENSG0000	0.106209	4.370609	1.175555	0.255538	0.370295	-6.34993	4.145127	4.299916	4.249168	4.472198	4.580048	4.627987	4.637058	4.583078	4.7071	4.382206	4.292151	4.32811	4.63635	4.608219	4.759194	4.262954	4.106163	4.274271
DPH3	ENSG0000	0.209203	5.206199	4.771222	0.000165	0.001124	0.401739	4.929567	4.877086	4.887776	5.367584	5.208315	5.294884	5.178171	5.178875	5.197793	5.22572	5.123069	5.238315	5.567248	5.568187	5.576251	5.414519	5.322033	5.280993
OXNAD1	ENSG0000	-0.06219	3.753211	-0.79606	0.436679	0.557822	-6.63831	3.719942	3.704977	3.597291	3.376187	3.457132	3.711713	3.774765	3.90213	3.867685	4.285766	4.195737	4.300188	3.741287	3.940055	3.734067	4.142342	3.967936	4.087723
PLCL2	ENSG0000	-0.06694	0.7875	-0.28448	0.779383	0.845642	-6.11248	1.602421	1.465573	1.818408	1.74141	2.03796	1.840725	1.389995	1.231675	1.244857	1.423238	1.190799	1.46518	1.154653	1.16289	1.129895	1.354562	1.581179	1.81044
CXXC1	ENSG0000	0.147185	5.472654	1.919436	0.071406	0.137344	-5.55528	5.237197	5.091908	5.325763	4.955356	5.253089	5.085168	5.444307	5.469794	5.526952	5.737245	5.58849	5.648575	5.909553	5.893775	5.766693	5.705599	5.766537	5.710849
SKA1	ENSG0000	-0.2276	2.625687	-1.0038	0.32917	0.44912	-6.1425	4.226185	3.968357	3.955676	2.840308	2.811499	2.865864	3.953155	4.080322	3.957772	3.312899	3.106888	3.432666	0.787801	0.938214	0.812339	2.807136	2.881762	2.742606
PPP4R1	ENSG0000	0.035418	6.974909	0.36724	0.717849	0.800087	-7.43298	6.500655	6.544374	6.361052	6.290462	6.296007	6.335295	6.434968	6.472967	6.550385	7.379222	7.342897	7.340757	7.897623	7.917085	7.885528	7.41925	7.427727	7.381937
CCDC144B	ENSG0000	-0.04195	-0.83457	-0.1933	0.848955	0.898408	-6.38018	0.106501	0.316291	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	2.510897	2.727926	2.104662	2.579013	2.565626	2.559363	2.075685	2.568968	2.442395
MPPE1	ENSG0000	0.067259	4.769059	1.106697	0.283425	0.400955	-6.49418	4.516725	4.691972	4.520694	5.176143	5.342823	5.394483	4.80585	4.77806	4.813478	4.529864	4.602618	4.63239	5.146388	5.136474	5.138897	4.566809	4.455636	4.582581
USP43	ENSG0000	-0.23732	3.889978	-1.72692	0.101812	0.181264	-5.58416	3.633432	3.628412	4.042515	3.408969	3.588725	3.200652	2.637802	2.777669	2.748518	4.600298	4.51019	4.660116	4.96664	4.90419	4.832959	4.758922	4.613145	4.551975
RAB6B	ENSG0000	1.007774	2.223671	9.481525	2.62E-08	1.35E-06	9.300241	1.519087	1.226787	1.202741	2.48816	2.71237	2.429135	2.102195	2.255906	2.127218	2.224158	2.546219	2.30059	3.879997	3.987816	3.805912	3.16242	3.069818	3.149291
EME1	ENSG0000	0.07413	2.936452	0.432091	0.670959	0.763375	-6.72081	3.443098	3.57841	3.576275	2.548252	2.57804	2.697781	3.66196	3.749274	3.421943	3.666603	3.805572	3.829308	1.498836	1.846087	1.51998	3.678389	3.786722	4.044405
ACSS1	ENSG0000	-0.81577	2.383708	-4.30965	0.000448	0.002472	-0.12238	2.137484	1.978677	2.049454	1.634586	2.264801	1.799787	2.144798	1.549165	1.50602	3.496465	3.584062	3.393562	4.43437	4.279275	4.288734	2.611312	2.618024	2.84714
ANKRD40	ENSG0000	0.03708	6.124698	0.620574	0.542888	0.654504	-7.1827	6.365544	6.446027	6.406409	6.327371	6.317247	6.473492	6.570057	6.499019	6.566582	6.032969	5.992705	6.017783	5.536504	5.597346	5.64197	5.958727	5.926002	5.962353
ZNF18	ENSG0000	0.021949	2.914046	0.144383	0.88685	0.924565	-6.57872	3.691678	3.61855	3.618004	3.647423	3.531716	3.572823	3.774765	3.82184	3.668646	2.427256	2.437987	2.382761	2.977243	3.032175	2.95373	2.432936	2.447571	2.091498
VOPP1	ENSG0000	0.390424	4.975604	5.704601	2.32E-05	0.000242	2.381344	3.85351	3.928996	3.792147	4.591236	4.70778	4.662649	4.462805	4.482206	4.288067	5.510146	5.579421	5.577658	5.833186	5.832965	5.84164	5.865084	5.886506	5.832557
APOOL	ENSG0000	-0.37502	5.788956	-5.03808	9.32E-05	0.000717	0.917225	6.679208	6.637665	6.691769	5.977316	5.949389	6.04688	6.44139	6.35566	6.361138	5.489676	5.672774	5.506132	5.140267	5.173088	5.31263	5.054624	5.146465	5.088278
CYP2U1	ENSG0000	0.330723	2.43456	1.455523	0.163251	0.261316	-5.47749	1.561356	1.551021	1.78216	3.727576	3.560502	3.560621	2.376953	2.220554	2.309357	2.722179	2.687979	2.714318	3.221013	3.41941	3.412858	2.625227	2.696248	2.79582
FBXL18	ENSG0000	0.299221	4.959271	4.149307	0.000637	0.003251	-0.93918	4.863535	4.813666	4.786199	4.472198	4.883243	4.537503	5.120637	5.028565	4.973208	5.157281	4.989766	5.039448	5.092452	4.968095	5.231938	5.562876	5.334317	5.274758
PROM2	ENSG0000	0.30296	2.347735	4.313607	0.000445	0.002453	-0.72014	0.106501	0.106501	0.219246	0.258133	0.106501	0.2349	0.269385	0.106501	0.256032	7.619094	7.659686	7.606048	8.722514	8.643346	8.674828	7.871835	7.976167	7.896109
AK9	ENSG0000	0.119717	1.476934	0.452967	0.656145	0.752098	-6.09971	1.990546	2.206444	1.921989	3.487804	3.260629	3.18484	2.607661	2.451551	2.530983	1.616888	1.467416	1.49011	1.365252	1.652223	1.423614	0.974502	1.16325	1.222783
KLF10	ENSG0000	-0.2385	7.456622	-1.65966	0.114818	0.198803	-6.19	8.207793	8.139909	8.136793	6.888543	6.944977	6.82545	7.740018	7.7855	7.8299	7.358485	7.358356	7.473644	7.293104	7.221953	7.285875	7.365344	7.24851	7.273562
PTPRN2	ENSG0000	1.112392	-0.36313	2.783835	0.012495	0.0348	-2.82471	3.183753	2.784561	3.309643	4.733909	5.044764	4.839695	4.31208	4.138304	4.122646	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
AZIN1	ENSG0000	0.230237	8.542842	4.391986	0.000375	0.002137	-0.76704	8.602561	8.552707	8.541669	8.32304	8.328946	8.309903	8.7294	8.814942	8.694319	8.423935	8.40226	8.422886	8.539653	8.529453	8.550098	8.687216	8.659267	8.731223
ATP6V1C1	ENSG0000	0.046018	7.014923	0.62456	0.540328	0.652194	-7.2762	7.180778	7.148408	7.093216	7.377898	7.231195	7.409671	7.436719	7.432684	7.455816	6.750411	6.795455	6.77354	6.869695	6.935726	6.869015	6.565423	6.512728	6.642477
PIP4P2	ENSG0000	0.187205	3.907493	1.75568	0.096652	0.174057	-5.42291	4.138162	4.197635	4.087767	4.502891	4.43213	4.440963	4.6145	4.341199	4.396744	3.926269	3.654848	3.613714	3.416036	3.629721	3.470269	3.894879	3.537548	3.840032
OTUD6B	ENSG0000	-0.07644	5.68152	-1.72838	0.101544	0.180921	-5.90789	5.641082	5.690142	5.727119	5.185634	5.099733	5.203674	5.527156	5.539589	5.54523	6.145857	6.123254	5.986368	5.702186	5.710205	5.787815	6.01794	6.032367	6.132312
CDK19	ENSG0000	-0.11239	3.065904	-1.12187	0.277096	0.394431	-6.10754	3.19722	2.886707	2.966237	3.123142	3.295295	3.419122	2.724622	2.728183	2.560038	3.155466	3.532361	3.419749	3.680716	3.652127	3.727354	3.39137	3.297679	3.540816
GTF3C6	ENSG0000	-0.17587	5.775844	-3.05313	0.00702	0.021917	-3.42029	5.876913	5.987002	5.891391	5.815573	5.687572	5.677574	5.683433	5.7022	5.605699	6.027299	5.902494	6.009185	5.498724	5.774593	5.706532	5.829467	5.903094	5.874386
TTC39B	ENSG0000	-0.10773	2.345875	-1.03945	0.312764	0.432536	-6.18784	1.755904	2.125186	1.54317	1.933905	1.718467	1.757653	1.240874	1.988058	1.826075	3.552807	3.591299	3.652879	3.730461	3.710228	3.494191	3.538334	3.422593	3.601852
AGPAT5	ENSG0000	0.326447	5.744233	5.579446	3.00E-05	0.000297	2.0458	5.857962	5.837717	5.83279	5.913065	5.899563	5.817452	6.048517	5.978357	6.079477	5.462622	5.593905	5.503074	5.425104	5.423729	5.371934	5.942147	5.906389	6.006286
MMS19	ENSG0000	-0.24255	5.770914	-3.21675	0.004924	0.016681	-3.05774	6.018285	6.083368	6.013674	5.7563	5.930216	5.842864	5.59402	5.581992	5.515873	5.774953	5.723056	5.63746	5.994577	5.914003	5.980777	5.60386	5.625718	5.776299
PI4K2A	ENSG0000	-0.27536	4.406645	-3.99032	0.000902	0.004302	-1.1246	4.909255	4.765319	4.917323	4.733909	4.819175	4.696497	4.445869	4.519046	4.585199	4.271447	4.463628	4.460144	4.046359	4.195307	4.155068	4.302461	4.200441	4.094818
MARVELD1	ENSG0000	0.71492	5.074582	9.401149	2.97E-08	1.48E-06	9.207239	5.067938	5.059469	4.795321	5.833796	5.785315	5.885062	5.494585	5.469794	5.493457	4.172174	4.292151	4.278887	5.123815	5.046305	5.068941	5.182472	5.138081	4.99276
ZFYVE27	ENSG0000	-0.04234	5.529315	-0.40617	0.689545	0.777978	-7.14721	6.534203	6.423545	6.537226	6.025677	6.23258	5.984314	6.655407	6.607341	6.552194	4.835851	4.752166	4.892917	4.798023	4.843827	4.778803	4.62683	4.555551	4.572451
GOLGA7B	ENSG0000	-0.51265	2.314315	-2.78481	0.012469	0.034749	-3.42436	2.296082	1.883052	2.138168	1.688986	1.666451	1.757653	0.782422	0.509405	0.833554	4.13047	4.157244	4.087963	3.956313	3.999514	3.985412	3.962207	3.870083	3.969186
TRMT44	ENSG0000	-0.05505	3.873631	-0.77521	0.448579	0.569288	-6.66828	3.928091	3.846899	3.678418	3.863871	3.722109	3.523386	3.705302	3.84524	3.513908	4.087524	4.200477	4.268117	4.187612	4.259953	4.346819	4.171084	4.211138	4.163911
SLC25A28	ENSG0000	0.176002	3.826363	1.347073	0.195163	0.29928	-5.98794	4.206344	4.318312	4.268949	4.367681	4.43213	4.499659	4.411387	4.38177	4.261781	3.792275	3.486521	3.549937	3.066031	3.04352	3.206318	3.711377	3.955266	3.865145
HSPA13	ENSG0000	0.30779	5.444468	5.421452	4.16E-05	0.000385	1.759654	5.493352	5.337144	5.405371	5.697807	5.550798	5.671913	5.701383	5.78015	5.869223	5.283944	5.312323	5.267448	5.19838	5.206274	5.260115	5.436388	5.537098	5.607985
USP25	ENSG0000	0.146699	5.305845	2.63592	0.017064	0.044359	-4.16882	4.941618	4.95753	4.95851	5.830775	5.593209	5.724812	5.218618	5.201716	5.179186	5.22572	5.247382	5.193482	5.648566	5.72965	5.687638	5.262556	5.334317	5.252725
GRAMD2B	ENSG0000	0.081304	1.328988	0.86592	0.398265	0.519714	-6.48225	0.216396	0.410755	0.219246	0.395333	0.828511	0.830331	0.415731	0.253663	0.256032	4.318634	4.200477	4.159641	5.300723	5.243641	5.323798	4.203908	4.348284	4.311289
ZCCHC10	ENSG0000	-0.0891	4.942389	-1.59382	0.128899	0.21755	-5.97104	5.078891	4.949684	5.101429	4.59836	4.720591	4.702062	5.071794	5.150979	5.165072	5.316853	5.196089	5.252955	4.739835	4.859959	4.801349	5.075046	5.012228	5.037632
C16orf87	ENSG0000	0.486386	3.672777	5.083695	8.46E-05	0.000665	1.373871	3.682132	3.557914	3.707702	4.072648	3.901574	3.897801	4.122591	4.489649	4.313883	3.358771	3.547323	3.573456	3.339736	3.622174	3.68641	3.698273	3.822043	3.788453
MOV10	ENSG0000	1.564188	5.848858	13.5323	1.07E-10	2.15E-08	14.82409	4.232739	3.96057	4.215584	6.582157	6.515879	6.56184	6.124988	6.207795	6.202046	5.272006	5.186564	5.164737	6.834742	6.751716	6.835075	6.389076	6.43044	6.401984
RHOC	ENSG0000	-0.25877	6.906169	-3.15956	0.005575	0.018373	-3.32974	7.165445	7.146693	7.145871	6.764203	6.869341	6.795829	6.577851	6.531837	6.544946	7.020346	7.068655	7.073809	6.894152	6.831598	6.858302	7.111625	7.086574	7.049063
DBI	ENSG0000	0.228018	6.324826	3.950612	0.000985	0.004626	-1.5153	6.708891	6.733307	6.691769	6.989528	6.985345	6.951114	7.098998	7.145174	7.118871	5.730282	5.71148	5.744936	5.833186	5.722609	5.813395	5.726727	5.755617	5.749576
SLC16A1	ENSG0000	0.340493	3.598814	1.246641	0.228978	0.339652	-5.65307	6.685193	6.744686	6.700292	6.790876	6.896408	6.838142	7.033905	7.068959	7.051418	1.490718	1.498542	1.562415	0.5125	0.7293	0.707101	1.627702	1.67689	1.775544
HEATR3	ENSG0000	0.270172	5.267618	4.532834	0.000276	0.001672	-0.06152	5.883176	5.783578	5.792357	6.082665	5.986987	6.072885	6.207692	6.140822	6.204348	4.472601	4.374156	4.515833	4.790225	4.78759	4.72927	4.545014	4.596923	4.632189
NIFK	ENSG0000	0.010298	6.971469	0.29147	0.774123	0.841889	-7.45916	6.841296	6.841137	6.816862	6.517865	6.515879	6.552629	6.794021	6.824516	6.808235	7.293836	7.233252	7.283975	7.148111	7.140433	7.163167	7.333913	7.249808	7.344478
OXA1L	ENSG0000	-0.10337	7.129767	-1.81983	0.085956	0.158631	-5.90403	7.107787	7.1058	7.120691	7.150845	7.092711	7.072087	7.148252	7.053973	7.176292	7.162915	7.173029	7.173847	7.351233	7.353107	7.38036	7.00391	6.983493	6.917196
SLC7A7	ENSG0000	0.049107	0.796685	0.139229	0.890861	0.927186	-6.1074	1.286899	1.226787	1.146821	2.661411	2.57804	2.374422	0.782422	0.915275	1.244857	1.616888	0.986408	1.277453	1.420179	1.591687	1.610309	1.419885	1.67689	1.504318
LARP1	ENSG0000	-0.04018	9.204171	-1.45616	0.163079	0.261069	-6.59345	9.670569	9.694011	9.719121	9.202869	9.231835	9.250201	9.674715	9.66371	9.643654	9.055712	9.041081	8.999233	8.675138	8.588976	8.654627	8.999654	8.951313	9.005838
CNOT8	ENSG0000	-0.19896	6.342505	-4.1314	0.000662	0.003358	-1.16584	6.155679	6.239528	6.108212	6.286057	6.207773	6.16038	5.904087	6.100066	5.912107	6.670819	6.774149	6.715924	6.557682	6.604381	6.53895	6.473226	6.501879	6.588208
SETD9	ENSG0000	0.128326	2.590774	1.021334	0.321026	0.440625	-6.11284	2.568952	2.730641	2.579475	2.548252	2.520598	2.402038	2.696258	2.389238	2.408535	2.843296	2.817048	2.786535	3.475595	3.375198	3.571181	3.001034	3.104657	3.050576
MIER3	ENSG0000	-0.13384	5.562805	-2.42611	0.02634	0.062548	-4.6307	6.016387	5.987002	6.031155	5.576799	5.550798	5.722075	5.95585	5.986272	6.0206	5.56205	5.590297	5.39172	5.09878	5.18338	5.191054	5.253625	5.225092	5.365554
NUP205	ENSG0000	-0.14493	7.146827	-2.86431	0.010529	0.030296	-3.97581	7.385066	7.489439	7.416567	6.797081	6.81811	6.881703	7.346063	7.297141	7.275972	7.493124	7.536221	7.431633	6.575183	6.58316	6.54755	7.360152	7.309512	7.293742
ZKSCAN2	ENSG0000	-0.10369	4.051492	-0.99242	0.334534	0.455045	-6.44262	4.863535	5.05216	4.73022	4.142539	4.1009	4.372816	4.877071	4.877874	4.855099	3.637124	3.824119	3.853525	3.475595	3.666873	3.533199	3.623987	3.546022	3.591857
C9orf85	ENSG0000	-0.08768	3.740897	-0.90763	0.376419	0.498942	-6.47393	3.810347	3.920993	3.726899	4.041626	3.656958	4.000731	3.490873	3.84524	3.614278	3.772076	3.748453	3.85832	4.163669	4.11155	4.25179	4.026533	3.571152	3.679412
PIK3AP1	ENSG0000	-0.0957	1.577138	-1.01532	0.323805	0.443585	-6.18641	0.41387	0.582935	0.512639	1.256461	1.437317	1.123626	0.415731	0.387194	0.515351	3.688323	3.767745	3.733386	4.82626	4.879081	4.897167	3.516101	3.750515	3.707454
RBM45	ENSG0000	-0.067	3.983833	-0.9443	0.357887	0.479754	-6.48734	4.145127	4.190995	4.095173	4.190466	4.258538	4.186878	4.154215	3.967564	4.151567	3.798946	4.01918	3.886761	4.298046	4.255082	4.242405	3.793775	3.84969	3.881648
NA	ENSG0000	-0.27183	2.485978	-1.68208	0.110333	0.192937	-5.22756	2.815895	2.693541	2.514675	2.605941	2.85862	2.885561	2.576877	2.894433	2.869505	3.047564	3.204502	2.983737	2.649667	2.127698	2.661487	2.448672	2.552239	2.830235
TTN	ENSG0000	-0.91778	0.618649	-2.29998	0.034014	0.076554	-3.70851	4.206344	4.55906	4.946277	2.791417	2.605925	3.485165	3.647218	3.564249	4.011347	0.269074	0.695454	0.449284	0.294634	0.26996	0.263213	0.183756	0.358227	0.214669
PDIA4	ENSG0000	0.464034	8.662448	10.6778	4.40E-09	3.38E-07	10.89302	8.638172	8.656664	8.666541	9.201992	9.086627	9.123477	9.048669	9.021945	9.069378	8.108316	8.077749	8.111859	8.42032	8.442411	8.428117	8.616487	8.638118	8.635642
KDM8	ENSG0000	0.014097	1.700333	0.099838	0.921609	0.948513	-6.30634	2.19231	2.55562	2.351095	2.577385	2.660129	2.532704	2.186178	2.650616	2.501332	1.732907	1.55885	2.038602	1.689764	1.793303	1.923865	1.734264	1.67689	1.739782
KCTD18	ENSG0000	-0.25179	4.371309	-3.01187	0.007673	0.023518	-3.16844	5.139438	5.281977	5.1197	4.88719	4.86605	4.884435	4.883375	4.971227	4.994649	3.901688	3.947677	3.982106	3.879997	4.116929	4.124741	3.775173	3.68296	3.621636
FAM126B	ENSG0000	-0.1311	5.134821	-2.10543	0.05	0.10363	-5.19294	5.067938	5.026283	5.049003	4.63346	4.635214	4.57438	5.136557	5.112925	5.165072	5.684183	5.691415	5.576204	5.127945	5.238714	5.328241	5.444259	5.344069	5.362617
TMEM237	ENSG0000	-0.12432	4.732331	-2.32421	0.032395	0.073611	-4.67534	5.042051	5.059469	5.148462	4.88719	4.789085	4.834637	4.944941	5.088621	5.03142	4.845549	4.765022	4.852633	4.34138	4.298341	4.333621	4.637167	4.714363	4.577525
FZD7	ENSG0000	0.188074	4.393836	1.158893	0.262089	0.377942	-6.38361	3.819083	4.029182	4.124423	4.733909	4.998178	4.793524	4.7858	4.55497	4.592248	4.561593	4.570022	4.679211	4.334248	4.164465	4.359898	4.522885	4.442079	4.299055
SPAG17	ENSG0000	-0.43526	-1.29077	-1.74625	0.098318	0.176527	-4.72668	0.216396	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.732907	1.699433	1.562415	2.694919	2.700737	2.544166	1.354562	1.118494	1.416439
DEPTOR	ENSG0000	-0.84012	2.922243	-4.33617	0.000423	0.002357	-0.168	2.688195	2.966631	2.982302	2.840308	2.686486	2.980206	2.102195	2.184314	2.34318	4.472601	4.274276	4.437893	2.940139	2.888589	2.756856	3.516101	3.793856	3.444131
FMN2	ENSG0000	-0.0894	-1.55742	-0.3125	0.758359	0.830934	-5.8014	2.548084	2.748839	2.300736	1.578054	1.437317	1.840725	2.303642	2.147141	2.34318	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
RNF20	ENSG0000	-0.11912	6.507151	-2.363	0.029951	0.069039	-4.89004	6.448119	6.390602	6.38542	6.464286	6.350594	6.430558	6.184906	6.286829	6.171778	6.615209	6.591334	6.623888	6.955287	6.908064	6.957713	6.529803	6.596707	6.534429
PPARGC1B	ENSG0000	0.462063	3.27432	4.200649	0.000569	0.002985	-0.44799	3.128595	3.100202	3.466347	3.456785	3.394558	3.733615	4.034706	3.868266	3.746538	3.367773	3.232543	3.195594	3.228726	3.054776	3.126936	3.324713	3.628139	3.540816
ELMO1	ENSG0000	0.27373	0.439694	0.619389	0.543651	0.655094	-5.7487	3.476616	3.461896	3.489013	3.290819	3.242978	3.655458	3.507292	3.521314	3.628063	0.34397	0.330605	0.106501	0.352262	0.26996	0.263213	0.738851	0.19538	0.659518
SLC26A2	ENSG0000	-0.43826	6.005621	-1.33986	0.197453	0.301945	-6.22404	8.72673	8.741755	8.719017	7.749861	7.701601	7.745689	8.092642	8.152631	8.013088	3.265521	3.647924	3.507833	4.853955	4.660731	4.719156	3.603046	3.595851	3.641153
LSM11	ENSG0000	0.168392	3.613053	2.308072	0.033465	0.07567	-4.49985	3.887134	3.829904	3.93931	3.591402	3.207016	3.27721	3.774765	3.913244	3.913431	3.864012	3.884278	3.882059	3.221013	3.213858	3.361763	4.113016	4.184245	4.143528
MED7	ENSG0000	0.190078	3.66848	2.940388	0.008948	0.026584	-3.21587	3.672523	3.568199	3.489013	3.944346	3.734793	3.897801	3.80164	3.736817	3.890739	3.629659	3.748453	3.652879	3.960951	3.915568	4.01878	3.940112	3.728346	3.744016
RRAGA	ENSG0000	1.12147	5.594883	23.81966	9.06E-15	2.76E-11	23.81434	5.064268	5.188404	5.090354	6.412686	6.438513	6.34244	6.239981	6.247853	6.183495	4.596474	4.562677	4.671058	5.74987	5.722609	5.750232	5.788317	5.611658	5.654343
SLC24A2	ENSG0000	0.268041	-1.50017	1.51579	0.147449	0.241421	-5.05646	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.490718	1.335727	1.413989	2.439743	2.398985	2.574402	1.482378	1.513652	1.626848
PXYLP1	ENSG0000	0.011907	2.877401	0.074715	0.94129	0.962164	-6.5963	3.682132	3.35903	3.384088	3.815786	3.934936	3.858473	3.474265	3.491964	3.721038	2.790717	2.753956	2.592986	2.385571	2.344993	2.141451	2.679583	2.37332	2.760563
RASA2	ENSG0000	0.013307	4.053484	0.150023	0.882464	0.921747	-6.92698	4.650007	4.412648	4.504099	4.569652	4.607895	4.604407	4.666597	4.68386	4.613192	3.864012	3.786782	3.928397	3.436163	3.536446	3.509921	3.552967	3.84969	3.848451
RMND1	ENSG0000	0.036005	3.800547	0.368166	0.717171	0.79977	-6.82887	3.936145	4.006672	3.947516	3.840029	3.912781	4.062605	3.891945	4.060466	4.22597	3.576295	3.811781	3.663876	4.110387	4.073319	4.134921	3.678389	3.628139	3.725851
RAET1L	ENSG0000	-1.06971	-0.80733	-2.8342	0.011227	0.031865	-2.86282	0.882475	0.875715	0.829201	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.840286	1.875739	1.858866	1.473091	1.2438	1.722572	1.354562	1.82352	1.739782
TMBIM4	ENSG0000	0.157139	2.248808	1.039363	0.312801	0.432536	-5.89834	2.589523	2.636038	2.446827	3.083078	2.71237	3.231764	2.957542	2.981485	2.670735	1.891119	2.174476	2.16783	2.749557	2.671787	2.647333	1.833493	2.124453	2.252429
VBP1	ENSG0000	-0.05248	6.293516	-1.32711	0.201548	0.306857	-6.51978	6.758559	6.800277	6.8588	6.462335	6.525036	6.425521	6.818899	6.857973	6.75269	6.122114	6.113234	6.083758	5.610696	5.771185	5.694537	6.02845	6.006502	5.948712
RAB39B	ENSG0000	-0.74746	-0.98403	-2.78204	0.012543	0.034912	-2.81108	3.27548	3.417081	3.39613	3.766043	3.796595	3.848471	2.376953	2.568641	2.670735	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AFF2	ENSG0000	0.159468	-0.99697	0.488645	0.631167	0.730515	-5.98196	0.216396	0.410755	0.219246	0.395333	0.106501	0.2349	0.269385	0.106501	0.106501	1.028404	1.228418	1.387696	2.28558	1.793303	2.294605	1.482378	1.406038	1.739782
MICU3	ENSG0000	-0.18301	-1.06814	-0.8831	0.389165	0.510817	-5.52728	3.19722	3.248262	2.830836	3.359513	3.242978	3.247073	2.752438	2.981485	2.82232	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GRIP1	ENSG0000	-0.34036	1.667302	-2.58169	0.019108	0.048522	-3.51733	2.051128	1.780637	1.744977	2.063099	1.996426	2.098749	1.317361	1.430416	1.314712	2.320032	2.604605	2.409144	2.466086	2.657091	2.449456	2.229352	2.392244	2.374055
VPS37A	ENSG0000	-0.19718	5.63858	-4.85548	0.000138	0.000976	0.553771	6.503368	6.498057	6.464749	6.075025	6.031362	6.140024	6.375839	6.301706	6.269562	5.162464	5.285805	5.238315	4.890883	4.897954	4.900154	4.953468	5.051448	5.044977
MAGEA8	ENSG0000	-0.03986	1.144849	-0.91297	0.373682	0.496152	-6.84389	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	6.655279	6.512522	6.601183	6.503073	6.569491	6.580512	6.477068	6.575131	6.560288
PSD3	ENSG0000	0.059562	6.81461	0.310792	0.759635	0.831761	-7.3683	7.165445	7.172201	7.152098	8.105926	7.995764	8.181335	7.717262	7.77259	7.726374	6.37072	6.413928	6.241648	5.810235	5.946092	5.911405	5.725113	5.809406	5.731481
CARNMT1	ENSG0000	-0.01957	5.809735	-0.18202	0.857662	0.904178	-7.30721	5.806172	5.893992	5.83942	6.406612	6.391222	6.361906	5.964794	5.981	5.903632	5.860347	5.636504	5.730625	5.445106	5.544428	5.499538	5.617847	5.629711	5.547215
MCU	ENSG0000	-0.37524	6.183247	-3.85395	0.001218	0.005486	-1.70723	7.193433	7.286396	7.152986	6.676049	6.584058	6.584614	6.614311	6.595316	6.608906	5.647693	5.613586	5.57329	5.668554	5.661337	5.691092	5.361471	5.589281	5.600528
MIDEAS	ENSG0000	-0.09365	6.392639	-2.15998	0.044935	0.095282	-5.23522	6.805475	6.717223	6.869637	6.580359	6.627218	6.65373	6.734246	6.687205	6.83374	6.182031	6.215126	6.131084	6.117038	6.021175	6.102489	6.023205	6.008036	6.084997
FAM161B	ENSG0000	-0.17255	1.92395	-1.3085	0.207651	0.314235	-5.5885	1.990546	1.947501	2.166567	2.181668	2.193078	2.402038	1.966276	2.029503	2.005764	2.427256	2.249583	2.34226	2.930712	3.098942	2.661487	2.211015	1.956613	2.277588
GNAQ	ENSG0000	-0.29789	5.691098	-5.72362	2.23E-05	0.000236	2.374873	5.991484	5.918315	5.929176	5.913065	6.008039	5.99342	5.570773	5.755661	5.690258	5.59692	5.646961	5.568909	5.776427	5.918631	5.781349	5.260328	5.276925	5.365554
MMP16	ENSG0000	0.262371	3.621196	2.821295	0.01154	0.032572	-3.31162	4.495082	4.401188	4.382257	5.0571	5.075006	5.175948	4.7858	4.715948	4.801363	2.679436	2.674414	2.671369	3.083152	2.837366	2.930541	2.890155	2.696248	2.507643
ADK	ENSG0000	-0.45109	5.496986	-4.79531	0.000157	0.001079	0.395304	6.053879	6.127503	6.078628	5.209091	5.049849	5.068031	5.356409	5.298133	5.388034	5.766469	5.646961	5.742345	5.32071	5.44741	5.453507	5.509483	5.496136	5.534225
KCNMA1	ENSG0000	-0.01614	0.952162	-0.04703	0.963019	0.976317	-6.06021	4.088441	4.029182	4.065319	3.408969	3.207016	2.924168	3.774765	4.050434	3.867685	0.269074	0.583785	0.726056	0.234608	0.190544	0.186984	0.884806	0.816175	0.999041
BATF	ENSG0000	-0.21715	-0.50988	-1.51651	0.147269	0.241154	-5.46363	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.145032	3.002186	3.318995	3.675081	3.637228	3.525482	3.053433	3.171908	2.570068
DCK	ENSG0000	-0.15329	4.461391	-1.82208	0.0856	0.158112	-5.52413	4.630287	4.604738	4.606117	4.40878	4.293254	4.293939	4.528631	4.784126	4.585199	4.899309	4.893523	4.911491	3.95166	4.1851	4.051393	4.533992	4.687803	4.670683
ADAMTS3	ENSG0000	0.879769	0.557648	3.454989	0.002926	0.011013	-1.60111	1.010037	1.002471	0.679585	1.326771	1.437317	1.188496	1.588238	1.988058	1.50602	1.278001	0.848253	1.061592	1.733794	2.10622	1.801384	1.320757	1.329561	1.273688
DPY19L4	ENSG0000	0.280114	5.895925	3.10406	0.006288	0.020221	-3.33784	5.060589	5.140963	5.010354	5.845818	5.845033	5.807161	5.729647	5.730749	5.683673	6.25055	6.269147	6.233367	6.299316	6.384488	6.42638	6.229712	6.292449	6.358432
NDUFAF6	ENSG0000	-0.09833	4.248471	-1.2784	0.217825	0.326745	-6.24169	4.758449	4.668265	4.400306	4.122913	3.945887	3.954853	4.428731	4.299455	4.66091	4.337085	4.423646	4.478947	4.110387	4.148793	4.013272	4.32821	4.304002	4.483349
DRAM2	ENSG0000	0.254803	4.884901	3.082596	0.006587	0.020941	-3.19762	4.933595	5.003727	4.781616	4.921675	4.70778	5.010886	5.444307	5.423907	5.243285	4.839091	4.80292	4.719298	4.779762	4.749998	4.917949	4.934035	4.847164	4.771534
C8orf37	ENSG0000	-0.08576	3.330007	-1.03166	0.316297	0.43596	-6.26073	3.236881	3.450822	3.39613	3.57705	3.502343	3.391835	3.474265	3.633086	3.181386	3.496465	3.647924	3.585074	3.442811	3.67419	3.600863	3.415594	3.422593	3.364179
WHAMM	ENSG0000	-0.02116	3.720662	-0.27518	0.786406	0.850858	-6.93297	3.738482	3.428416	3.477724	3.408969	3.394558	3.560621	3.571163	3.605944	3.389938	4.19764	4.269773	4.362268	3.894617	3.903166	3.962731	4.147172	4.211138	4.467038
N6AMT1	ENSG0000	0.156856	4.387749	2.023688	0.058567	0.117589	-5.1051	4.69816	4.760843	4.725456	4.605448	4.580048	4.814227	4.956946	4.814082	5.021009	4.020609	4.056262	4.046548	4.359059	4.084346	4.306856	4.175819	4.178806	4.066226
RWDD2B	ENSG0000	-0.17405	4.319394	-1.58239	0.131487	0.220793	-5.92248	3.952119	4.080378	4.042515	3.308302	3.457132	3.523386	3.388228	3.40015	3.218306	5.006941	5.176975	5.187779	5.336859	5.320261	5.461619	5.134631	5.027439	5.274758
USP16	ENSG0000	0.945396	5.762386	20.25485	1.40E-13	1.54E-10	21.33835	4.992709	5.003727	4.892035	5.960829	5.952107	6.022623	5.894757	6.060626	6.069409	5.353567	5.372368	5.290692	6.249001	6.280458	6.319977	6.131979	6.19208	6.204601
CCT8	ENSG0000	0.024311	8.147355	0.610036	0.549688	0.66047	-7.39771	8.391438	8.383218	8.315052	7.782282	7.776359	7.770399	8.324585	8.313847	8.319017	8.25471	8.229531	8.208206	7.895202	7.906251	7.924563	8.333071	8.290492	8.329953
BACH1	ENSG0000	-0.1739	5.067313	-1.01702	0.323016	0.442799	-6.6361	5.843047	5.975457	5.899874	5.307999	5.094821	5.324049	5.928678	5.9217	5.860491	4.513734	4.679329	4.533928	4.808355	4.859959	4.863891	4.194605	4.205799	4.268007
TSPAN7	ENSG0000	-0.40197	0.184081	-1.32894	0.200958	0.306087	-5.14851	5.853716	5.918315	5.863473	4.487626	4.522687	4.372816	5.461262	5.298133	5.541593	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.214669
TIAM1	ENSG0000	0.515434	3.126083	2.831986	0.01128	0.031972	-3.53709	1.12723	1.420874	1.30847	2.933382	2.660129	2.481849	2.186178	2.220554	2.047395	4.81954	4.755391	4.635187	4.275881	4.541772	4.333621	5.137061	5.027439	5.174518
SCAF4	ENSG0000	-0.24231	5.574669	-5.19531	6.69E-05	0.00055	1.21297	5.49062	5.455446	5.411316	4.765896	4.789085	4.761901	5.049544	5.098392	5.321722	6.35383	6.336371	6.302729	5.865704	5.706642	5.858632	6.140482	6.173056	6.059839
RPGR	ENSG0000	-0.65872	3.463877	-3.51738	0.002552	0.009852	-1.9134	4.744758	4.756352	4.715879	3.714523	3.531716	3.391835	3.690999	4.060466	4.063004	3.265521	3.136872	3.332842	3.310958	3.301515	3.225499	2.719047	3.058015	2.863849
CDK20	ENSG0000	-0.20059	3.617463	-2.23964	0.038379	0.084137	-4.55607	3.58303	3.628412	3.576275	3.562554	3.978251	3.858473	3.423261	3.415864	3.218306	3.716784	3.748453	3.748962	4.44765	4.24529	4.333621	3.567454	3.690624	3.519884
PCGF6	ENSG0000	-0.22538	3.875539	-2.79735	0.012142	0.033976	-3.55888	4.917414	4.984658	4.946277	3.851999	3.820593	3.858473	4.393833	4.741115	4.6676	3.87668	3.709078	3.93295	2.802201	2.811056	3.064395	3.678389	3.772348	3.914098
ANKRD9	ENSG0000	0.211348	3.873482	2.490542	0.023078	0.056399	-4.10086	4.051848	4.12286	4.208773	4.472198	4.668652	4.662649	4.437325	4.290959	4.216877	3.536933	3.313538	3.507833	3.804587	3.614588	3.747398	3.830273	3.644015	3.444131
SFR1	ENSG0000	-0.57496	2.786323	-5.59683	2.90E-05	0.000288	2.578786	3.911847	3.872022	3.871922	3.142765	3.295295	2.805104	3.094248	3.462004	3.162566	2.978724	2.912585	3.093551	2.24051	2.190279	2.121111	2.583072	2.552239	2.778299
SFXN2	ENSG0000	0.475832	2.817245	3.503385	0.002631	0.010121	-1.84595	2.27083	2.513665	2.514675	3.255206	3.073582	3.459109	3.137083	3.40015	2.937508	2.966925	3.034402	2.902498	3.266686	3.193633	2.95373	3.209363	3.058015	3.215882
ATP5MPL	ENSG0000	-0.00766	6.443537	-0.20942	0.836541	0.888505	-7.4072	6.650126	6.611798	6.537226	6.589325	6.53232	6.483221	6.659086	6.695276	6.62618	6.419154	6.360926	6.40786	6.203734	6.276858	6.256122	6.328703	6.296221	6.358432
PCDH1	ENSG0000	-0.17638	5.274261	-1.40306	0.178115	0.279271	-6.44433	3.337603	3.057038	3.162305	2.81607	2.633282	2.805104	0.983587	2.324112	1.674905	8.503176	8.44558	8.495861	8.218429	8.204476	8.158674	8.430889	8.434665	8.445811
SH3RF2	ENSG0000	-0.32742	5.024007	-2.13982	0.046749	0.098382	-5.04596	4.996565	4.929882	4.883506	5.400559	5.244245	5.408166	5.248226	5.21525	5.383978	5.349028	5.251956	5.29777	5.156533	5.014952	5.141424	4.398766	4.405289	4.541628

UQCRB	ENSG0000	0.038294	7.501019	0.752921	0.461519	0.581873	-7.23475	7.586543	7.593173	7.408415	7.737009	7.663961	7.733513	7.62717	7.768006	7.742305	7.413858	7.36312	7.34247	7.437383	7.446335	7.47956	7.310421	7.209698	7.304492
MTERF3	ENSG0000	-0.01466	4.692124	-0.21468	0.832505	0.885473	-7.13446	4.473109	4.468622	4.526184	4.591236	4.842803	4.696497	4.283766	4.373746	4.467457	5.012691	4.976009	4.95243	4.886014	4.888549	5.003776	4.947942	5.089629	5.011626
PTDSS1	ENSG0000	0.137001	7.230843	2.119758	0.048621	0.101465	-5.41693	7.049585	7.044506	6.936098	7.026967	6.990643	7.077449	7.309079	7.373562	7.31591	7.536181	7.467585	7.531454	7.087893	7.055431	7.074049	7.532492	7.440284	7.486113
RPL30	ENSG0000	0.065827	9.163795	1.695607	0.1077	0.189472	-6.25208	9.01652	9.001436	8.969498	8.939193	8.976121	8.966158	9.068859	9.007109	9.072217	9.363796	9.342152	9.175275	9.239397	9.373897	9.372948	9.302387	9.351029	9.457409
FAM122C	ENSG0000	0.030729	0.966275	0.170752	0.86638	0.909951	-6.18487	1.12723	1.631689	1.30847	1.457877	1.718467	1.669505	1.240874	1.901414	1.564539	1.52331	1.498542	1.653508	2.062048	1.946191	1.992654	1.320757	1.513652	1.504318
SUPV3L1	ENSG0000	-0.30221	5.254236	-3.39782	0.003316	0.012139	-2.56332	6.295276	6.268199	6.232628	5.517909	5.438974	5.298562	5.875913	5.932665	5.842866	4.905504	4.84591	4.895252	4.647902	4.645922	4.639165	4.805497	4.625193	4.622403
FAM122B	ENSG0000	0.089046	5.48777	1.607951	0.125759	0.213507	-5.9753	5.876913	5.893992	5.783216	6.250324	6.216843	6.280554	5.985453	6.037958	5.914921	4.926979	5.014203	4.965822	5.075443	5.074229	5.079521	4.956223	4.981317	5.098903
EEF1A1	ENSG0000	-0.09871	12.09679	-2.72455	0.014164	0.038332	-4.54119	12.63033	12.60617	12.58828	12.54573	12.51668	12.46598	12.54004	12.53072	12.53326	11.86987	11.7482	11.66762	11.48724	11.55418	11.54644	11.56631	11.64182	11.70976
HKDC1	ENSG0000	-0.91555	0.881161	-1.84344	0.082289	0.153731	-4.45542	4.973272	4.813666	4.662041	4.532944	4.607895	4.524999	3.866715	3.711575	3.957772	0.54782	0.330605	0.34382	0.234608	0.106501	0.106501	0.457048	0.504542	0.497646
HK1	ENSG0000	-0.08266	6.051603	-0.81726	0.424781	0.546487	-7.0433	5.924244	5.854621	5.803703	6.112826	6.177895	6.142073	5.338168	5.5324	5.455304	6.271086	6.324478	6.238893	6.375122	6.293583	6.251451	6.445064	6.43501	6.365783
TYSND1	ENSG0000	0.127502	4.289654	1.09347	0.28903	0.407307	-6.28126	5.356021	5.538865	5.541709	5.499001	5.647884	5.500479	5.515028	5.45466	5.534291	2.736149	3.136872	3.093551	3.494914	3.552417	3.517722	3.567454	3.385297	2.960231
PHF6	ENSG0000	0.003957	5.609812	0.069372	0.945481	0.964547	-7.32154	5.883176	5.822762	5.830573	5.392386	5.383668	5.461637	5.771031	5.891111	5.663734	5.593087	5.634754	5.592123	5.47622	5.526348	5.578118	5.66239	5.64557	5.715459
CD109	ENSG0000	0.451936	7.744828	2.157591	0.045146	0.095573	-5.36368	7.388005	7.404459	7.336029	8.719546	8.697865	8.837437	7.95353	7.955063	7.870332	7.373647	7.521143	7.399508	7.166801	7.340515	7.247685	7.742159	7.750029	7.835455
UBE2L6	ENSG0000	0.080013	6.347158	1.008982	0.326748	0.446715	-6.94599	5.282121	5.334134	5.332045	5.12773	4.933626	4.849758	4.812472	4.949799	4.978598	7.59821	7.503031	7.633929	7.62479	7.55536	7.640501	7.840119	7.835475	7.890004
ZDHHC5	ENSG0000	0.032941	7.711337	0.980886	0.340032	0.460982	-7.06881	7.503616	7.502235	7.510955	7.354948	7.327502	7.3848	7.509843	7.467029	7.456781	7.978071	7.910633	7.969815	7.998357	7.977479	7.972538	8.023685	8.068033	8.017749
MED19	ENSG0000	0.094095	4.062221	1.365057	0.18955	0.292435	-6.11924	3.65311	3.57841	3.533304	3.70135	3.820593	3.907468	3.602068	3.619579	3.614278	4.391063	4.411431	4.72456	4.72355	4.804359	4.810905	4.749424	4.633169	4.494122
ZFAND3	ENSG0000	0.091703	6.492687	0.894972	0.382962	0.504581	-7.01423	6.92056	6.872598	6.892132	6.569526	6.461589	6.593624	7.008177	6.817139	6.927299	6.008715	6.043715	6.09599	6.487887	6.417562	6.408658	6.202126	6.166201	6.27968
NPTN	ENSG0000	0.173584	7.42748	2.040616	0.056691	0.114467	-5.57569	6.914458	6.916527	6.966701	7.184369	7.176456	7.16064	7.334607	7.334824	7.34019	7.887868	7.869555	7.889232	7.442367	7.428598	7.4168	7.877296	7.844521	7.869466
KAT6B	ENSG0000	0.398444	4.94464	3.093884	0.006428	0.020532	-3.13303	4.590018	4.619648	4.606117	5.677771	5.794432	5.892383	5.515028	5.368459	5.321722	4.455814	4.712893	4.635187	4.905394	4.959137	5.050237	4.577584	4.568087	4.656368
SAMD8	ENSG0000	-0.12367	5.431558	-1.3017	0.209916	0.317018	-6.38379	5.94235	5.994648	6.001902	6.110336	6.198646	6.210048	5.952856	6.128954	5.970082	5.180457	5.095341	5.107486	4.583188	4.780828	4.72927	4.774615	4.751478	4.930673
RAB11FIP1	ENSG0000	-0.441	6.689418	-4.49688	0.000298	0.001783	-0.42635	5.227386	5.181722	5.159101	4.921675	4.648682	4.969954	4.673889	4.482206	4.482711	8.513859	8.524963	8.474548	9.073828	9.033905	9.083231	8.149074	8.158894	8.161101
UNC5D	ENSG0000	0.250915	-0.91936	1.356091	0.192332	0.295862	-5.06208	3.300651	3.450822	3.489013	2.933382	3.132285	2.845893	3.80164	3.578282	3.543305	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
UTP14A	ENSG0000	-0.37286	6.721364	-5.70434	2.32E-05	0.000242	2.192134	7.189227	7.160353	7.090439	6.466234	6.571739	6.569471	6.595237	6.6022	6.504416	6.882683	6.817222	6.864531	6.679473	6.58316	6.654027	6.673164	6.601797	6.735068
AIFM1	ENSG0000	0.086531	6.466714	1.613348	0.124577	0.212041	-6.10494	7.154269	7.208816	7.157415	7.349681	7.336892	7.361253	7.275922	7.397502	7.366126	5.712726	5.544427	5.832828	5.740459	5.646534	5.643753	5.708869	5.607615	5.708538
MAPK13	ENSG0000	0.212963	3.861673	3.383352	0.003423	0.012452	-2.7212	1.602421	1.708084	1.30847	0.841981	1.373859	1.422231	1.074544	1.605065	1.564539	7.323634	7.333217	7.275485	6.466844	6.43274	6.351966	7.509231	7.578885	7.53909
BAG4	ENSG0000	0.090481	4.325989	0.81338	0.426942	0.548722	-6.77572	3.792713	3.638208	3.801232	4.142539	4.167908	4.264152	3.814892	3.924273	4.05282	5.018419	4.833757	5.062485	4.540442	4.581228	4.602954	5.02081	4.930438	5.059556
TBC1D31	ENSG0000	0.190428	4.63048	1.518723	0.146714	0.240355	-5.94433	5.356021	5.306756	5.238162	5.290513	5.075006	5.010886	5.701383	5.862728	5.716303	4.341661	4.374156	4.434686	3.332595	3.576046	3.396027	4.175819	4.106163	4.299055
NTAQ1	ENSG0000	-0.10398	4.23359	-1.76749	0.0946	0.171118	-5.59871	3.911847	3.872022	3.971859	3.851999	3.734793	3.828257	3.602068	3.749274	3.746538	4.871097	4.851948	5.043664	4.737134	4.608219	4.681452	4.850615	4.933671	4.836464
ATAD2	ENSG0000	0.044811	6.234924	0.197742	0.845528	0.895513	-7.44618	6.101207	5.988917	5.986055	5.517909	5.561519	5.490866	6.217704	6.265306	6.181159	7.518102	7.492923	7.491502	4.838914	4.956139	4.810905	7.433654	7.381715	7.429714
FBXO32	ENSG0000	-0.28994	3.654413	-3.23039	0.004779	0.01627	-2.89949	1.18244	1.374745	1.146821	2.393052	2.366112	2.029614	1.867984	1.85606	1.873138	5.992802	5.965115	6.113142	6.596951	6.618673	6.645152	5.633422	5.599495	5.710849
NSMCE2	ENSG0000	-0.34235	4.882047	-4.92267	0.000119	0.000869	0.770402	4.945613	5.127117	5.11242	4.487626	4.745876	4.622128	4.832157	4.61746	4.640652	5.22076	5.137972	5.249309	5.05823	5.136474	5.11852	4.774615	4.978189	4.977487
ZNF689	ENSG0000	0.095104	4.233916	1.768603	0.094408	0.170859	-5.51955	4.645102	4.57954	4.611291	4.209199	4.343809	4.337497	4.716879	4.664259	4.770621	4.161861	4.056262	4.201752	3.768	4.011117	3.898452	4.213151	4.258317	4.18401
PRR14	ENSG0000	0.064378	4.213583	0.651625	0.52312	0.637033	-6.79138	3.952119	3.952741	4.153091	4.654117	4.648682	4.690911	4.090259	3.736817	3.879258	4.20268	4.209911	4.300188	4.595172	4.459468	4.539229	4.353508	4.521577	4.341429
FBRS	ENSG0000	0.077782	6.505656	1.391609	0.1815	0.283299	-6.46757	6.466308	6.407883	6.58929	6.614138	6.749451	6.578576	6.443525	6.375885	6.561203	6.227246	6.357747	6.460054	6.679473	6.650554	6.698464	6.590465	6.540561	6.406268
FRRS1	ENSG0000	0.6177	2.041512	4.640503	0.000219	0.001389	0.654824	1.959273	1.780637	1.62731	2.255624	1.953662	1.993763	2.667326	2.825515	2.471058	2.527059	2.546219	2.638296	2.24051	2.398985	2.330481	2.75746	3.022017	2.81313
PHKG2	ENSG0000	0.054005	4.089641	0.67314	0.509661	0.625031	-6.76875	3.810347	3.676739	3.83701	4.40878	4.167908	4.386706	3.941119	3.999201	3.783962	4.377757	4.260723	4.303708	4.527992	4.340341	4.411058	4.276243	4.288934	4.370952
MFSD14A	ENSG0000	0.135588	6.132016	1.842305	0.082462	0.153893	-5.76495	5.916123	5.988917	5.976061	6.154502	6.086834	6.240961	6.332727	6.375885	6.385689	6.238331	6.271401	6.246228	5.997966	6.103425	5.963744	6.182261	6.12437	6.173105
SASS6	ENSG0000	-0.03685	3.362548	-0.376	0.711445	0.7953	-6.89721	3.288121	3.310847	3.204003	2.457149	2.71237	2.675323	3.258446	3.491964	3.4839	4.447347	4.529155	4.421787	2.995443	2.888589	3.106389	4.245042	4.517274	4.261717
MALSU1	ENSG0000	-0.26018	4.985508	-4.22423	0.00054	0.002864	-0.73513	5.643543	5.678322	5.671231	5.117849	5.079986	5.055043	5.32896	5.392484	5.56328	4.81954	4.884715	4.972471	4.515435	4.561635	4.460466	4.780845	4.482376	4.602629
VPS8	ENSG0000	0.062972	4.464799	0.686482	0.501416	0.617951	-6.78926	4.892796	4.864623	4.85325	4.87551	4.888929	4.942007	4.938902	4.933517	4.640652	3.991785	4.029873	3.886761	4.552785	4.525683	4.398437	4.132632	3.992947	4.261717
GALK2	ENSG0000	0.231077	5.092446	2.655095	0.016392	0.042952	-4.12971	5.156772	5.355074	5.176661	4.944216	4.701332	4.735009	5.722633	5.682848	5.537947	4.963066	5.172157	5.185873	4.914988	4.780828	4.85468	5.117505	5.101177	5.353773
B3GNT7	ENSG0000	0.316636	2.061252	3.262291	0.004459	0.015358	-2.9503	0.106501	0.106501	0.106501	0.52061	0.25478	0.563119	0.106501	0.106501	0.106501	7.28317	7.230357	7.35355	7.757684	7.760048	7.713643	7.612383	7.64448	7.541039
BUB1B	ENSG0000	0.090961	4.581638	0.507067	0.618446	0.71918	-7.02163	5.207561	5.134056	4.89628	4.576883	4.56592	4.610338	5.356409	5.289629	5.375831	5.077225	5.024933	4.95243	3.236398	2.811056	2.95373	4.953468	4.90101	4.886383
PDE6D	ENSG0000	0.308393	4.019737	4.01353	0.000858	0.00413	-1.0066	4.296689	4.136747	3.995797	4.171485	4.177232	4.170914	4.245129	4.273815	4.252911	3.709722	3.70241	3.896118	4.01993	4.250194	4.088533	4.222335	4.221756	4.143528
EIF4A2	ENSG0000	-0.5017	7.92686	-4.17785	0.000598	0.003099	-1.20753	8.090466	8.029336	8.022971	7.234382	7.045128	7.231619	7.347203	7.267135	7.252803	8.448539	8.438826	8.392423	8.533439	8.516536	8.527817	8.08884	8.121817	8.211744
BRPF1	ENSG0000	-0.27999	4.957592	-5.23969	6.09E-05	0.000512	1.39736	4.859306	4.738249	4.942176	4.375995	4.276	4.053927	4.496094	4.459641	4.613192	5.732026	5.726347	5.693541	5.250459	5.359369	5.146464	5.448178	5.449467	5.523749
RPUSD3	ENSG0000	-0.51949	4.626486	-3.57931	0.002227	0.008796	-2.07602	5.230664	5.24399	5.267957	4.448742	4.662026	4.499659	4.122591	4.290959	4.198517	4.699893	4.641483	4.657367	4.888451	4.879081	4.950015	4.477583	4.534411	4.675424
TATDN2	ENSG0000	-0.19325	4.713537	-3.23193	0.004763	0.016227	-2.88074	4.645102	4.624584	4.606117	4.448742	4.621619	4.400463	4.143751	4.247712	4.288067	5.159875	5.179378	5.210458	5.005325	4.974036	5.009321	5.122419	5.140881	5.048636
SEC13	ENSG0000	-0.08939	7.255484	-1.68883	0.109012	0.191356	-6.11996	7.719642	7.704588	7.749053	7.244634	7.30535	7.279863	7.446331	7.455671	7.530195	7.075645	6.982523	7.141758	6.928896	6.921193	6.896949	7.124541	7.103897	7.166517
EXOG	ENSG0000	0.29517	3.294483	1.893728	0.074935	0.142745	-5.11298	3.011517	2.784561	3.029452	3.605613	3.242978	3.678224	3.440463	3.84524	3.60036	3.688323	3.854512	3.48321	3.197622	3.292034	3.244428	3.617041	3.562824	3.788453
NTAN1	ENSG0000	-0.07497	3.989202	-0.7771	0.447488	0.568105	-6.60833	4.574623	4.543506	4.441562	4.325376	4.284653	4.454215	4.376062	4.184903	4.235006	3.599408	3.517242	3.71764	3.993008	4.011117	4.056758	3.730814	3.750515	3.698167
NMNAT2	ENSG0000	-0.60222	5.703041	-2.88165	0.010146	0.029421	-3.79103	6.599047	6.61304	6.593219	4.753186	4.384626	4.645422	5.32896	5.281075	5.570437	6.141927	6.043715	6.027394	5.789524	5.754024	5.88752	5.865084	5.940538	6.000631
ZFYVE9	ENSG0000	-0.24464	4.13294	-2.86766	0.010454	0.030124	-3.43553	4.683882	4.677795	4.662041	4.63346	4.58706	4.71863	4.583863	4.562048	4.475104	4.092963	3.942027	4.190389	3.53901	3.614588	3.734067	3.617041	3.793856	3.848451
SMG1	ENSG0000	-0.05324	7.38036	-0.43046	0.672125	0.763993	-7.42632	7.019579	7.224344	7.306824	7.576736	7.542061	7.910985	7.386566	7.258446	7.243878	7.562392	7.835297	7.270997	7.261962	7.279456	7.288157	7.40873	7.254986	7.37758
FCHO2	ENSG0000	-0.34101	4.975115	-5.62118	2.75E-05	0.000276	2.283634	5.275788	5.387379	5.264677	5.565938	5.367468	5.553773	5.055139	5.108097	5.015776	4.899309	4.950911	4.904554	4.938696	4.784213	4.829829	4.591826	4.49993	4.422617
RBPMS	ENSG0000	-0.05215	5.223276	-0.45254	0.65645	0.752321	-7.14028	5.288426	5.127117	5.293935	5.004446	5.075006	5.015363	5.342749	5.146277	5.355259	5.21079	5.188951	5.254774	5.71185	5.670512	5.709941	5.069967	5.258994	5.011626
NRG1	ENSG0000	-1.20689	4.558832	-7.75323	4.64E-07	1.18E-05	6.566273	7.268708	7.238902	7.268852	6.125209	5.921921	6.004722	5.916435	5.907876	5.782514	3.165825	3.278101	3.36689	2.995443	2.467968	2.930541	3.073871	2.665466	2.760563
ODR4	ENSG0000	-0.07897	6.12832	-1.92998	0.070002	0.135173	-5.59514	6.629166	6.630321	6.566826	6.422753	6.399213	6.458774	6.534451	6.588399	6.541308	5.852352	5.880509	5.819366	5.638468	5.690495	5.794253	5.6708	5.720484	5.868189
CPT2	ENSG0000	-0.06932	5.376714	-0.84404	0.410054	0.531767	-6.91314	5.325688	5.590232	5.356903	5.28169	5.14795	5.147678	5.494585	5.517911	5.383978	5.424305	5.407641	5.539356	5.619524	5.60119	5.624013	5.319295	5.331868	5.308717
NECAP2	ENSG0000	-0.10202	6.009417	-0.85607	0.403546	0.525192	-7.02437	5.788487	5.750092	5.83942	5.333837	5.176125	5.280077	5.704947	5.550308	5.338588	6.418071	6.321217	6.440202	6.832845	6.779121	6.842083	6.415341	6.425856	6.376011
LRP8	ENSG0000	0.983954	5.513902	5.900042	1.56E-05	0.000181	2.822904	6.508778	6.526025	6.45902	6.446632	6.616977	6.527774	7.66882	7.656688	7.675008	4.455814	4.532919	4.463295	3.066031	3.193633	3.335521	5.012893	5.009167	5.088278
PAXIP1	ENSG0000	0.052444	4.850705	0.974002	0.343344	0.464279	-6.69014	5.034569	5.106095	5.11242	4.971905	4.998178	4.889321	5.167879	5.117737	5.07736	4.911672	4.833757	4.793777	4.552785	4.385617	4.569568	4.868275	4.897703	4.950363
STEAP2	ENSG0000	0.101822	3.905237	0.415718	0.682676	0.772491	-6.9717	2.9807	3.142112	2.900124	4.072648	3.978251	3.838399	3.238915	3.232814	2.869505	4.963066	5.061869	5.060406	3.988472	3.766081	3.910354	5.007591	5.157568	5.154286
SSBP3	ENSG0000	0.166104	4.765118	1.112928	0.280812	0.398169	-6.49088	3.928091	4.051346	4.042515	5.517909	5.624218	5.669075	4.143751	4.230044	4.296723	4.874259	4.68948	4.835713	5.436806	5.404061	5.376231	4.914336	4.981317	4.806527
CLDN12	ENSG0000	-0.23521	6.221126	-4.24143	0.00052	0.002785	-0.91927	6.148765	6.13617	6.095343	5.938549	5.690831	5.794193	6.124988	6.063123	6.123935	6.741781	6.733845	6.730382	6.310262	6.318312	6.339916	6.388056	6.307481	6.358432
FZD1	ENSG0000	0.054343	3.897137	0.470702	0.643674	0.741436	-6.8436	3.729242	3.61855	3.736403	4.072648	4.327153	4.079806	3.853933	3.924273	3.783962	4.103779	4.176619	4.260892	3.746669	3.987816	4.056758	4.171084	4.242761	4.037057
GATAD1	ENSG0000	-0.04157	5.91643	-0.50331	0.621028	0.721418	-7.21025	6.516856	6.387701	6.480387	5.999011	5.989635	6.121455	6.546418	6.452163	6.458862	5.522291	5.688044	5.558634	5.514586	5.672341	5.598492	5.529969	5.530707	5.388831
SUSD3	ENSG0000	1.055559	-0.44831	5.169637	7.06E-05	0.000576	1.75501	0.106501	0.106501	0.323815	0.106501	0.106501	0.106501	0.415731	0.106501	0.256032	2.543041	2.267764	2.243088	2.968056	3.193633	3.053703	3.073871	3.366281	3.352387
DHRS4	ENSG0000	0.082985	4.142143	0.787941	0.441287	0.562187	-6.69955	4.088441	4.243278	4.370098	3.944346	4.1957	3.982555	3.904396	4.147745	4.093134	4.03198	4.056262	4.213027	4.580176	4.581228	4.599282	4.434767	4.38181	4.203832
DDX19B	ENSG0000	-0.23584	3.807326	-1.95453	0.066828	0.130339	-5.14661	3.887134	3.450822	3.81026	3.661095	3.832443	3.200652	3.632324	3.578282	3.924645	4.30464	4.056262	4.271716	4.480326	4.376675	4.324754	3.923315	3.876817	3.840032
ST3GAL2	ENSG0000	-0.13958	3.758824	-0.93556	0.362245	0.484084	-6.24301	5.064268	5.433112	5.30675	5.794018	6.00018	5.691628	5.267633	5.228657	5.062209	2.620402	2.469748	2.615819	2.371704	2.517623	2.528806	2.417026	2.33471	2.06284
FCSK	ENSG0000	-0.05312	3.897761	-0.63649	0.532707	0.645347	-6.73693	3.756787	3.812706	3.871922	3.977507	4.1009	3.818042	3.841036	3.535768	3.82044	3.901688	4.097507	3.990867	4.630539	4.429515	4.423569	3.940112	4.017531	3.961444
DHRS1	ENSG0000	-0.74419	3.60341	-5.36445	4.69E-05	0.000421	1.977785	4.387594	4.360345	4.37619	3.290819	3.560502	3.632327	3.602068	3.431409	3.69508	3.864012	3.824119	3.779618	3.762697	3.958151	3.824901	3.200096	3.2466	3.254409
CACNA1D	ENSG0000	-0.85635	1.093947	-3.42212	0.003144	0.011638	-1.86189	0.41387	0.875715	0.598525	1.634586	1.087782	1.526279	0.670238	0.622068	0.39151	3.376719	3.447177	3.240362	2.872818	2.888589	2.858649	2.35157	2.500854	2.687355
ARSL	ENSG0000	0.213528	-1.64477	0.717465	0.482567	0.601277	-5.59233	1.826927	1.670392	1.78216	2.577385	2.926537	2.845893	2.102195	1.491012	2.087859	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AASDH	ENSG0000	-0.37996	3.655454	-3.6223	0.002027	0.008168	-1.81237	3.936145	4.236845	3.81026	3.472378	3.242978	3.168853	3.66196	3.550079	3.498982	4.048869	4.082178	4.029643	4.037603	3.976023	3.87435	3.711377	3.743163	3.805852
ZNF19	ENSG0000	0.068162	1.002615	0.328089	0.746742	0.822063	-6.2414	1.010037	1.002471	1.499186	1.182548	1.2379	0.909432	1.70672	1.605065	1.50602	1.98771	1.922393	1.896649	2.25569	2.148862	2.312654	1.65509	1.795362	1.81044
CACNA2D3	ENSG0000	1.295862	1.29014	3.933012	0.001024	0.004772	-0.62335	3.84498	4.164126	3.871922	6.674365	6.592794	6.646533	5.238424	5.169636	5.252213	0.106501	0.398185	0.16959	0.46104	0.26996	0.470356	0.326864	0.358227	0.214669
RNF111	ENSG0000	0.17209	4.733563	3.632697	0.001981	0.008029	-2.06105	4.10996	3.872022	4.003689	4.218476	4.110665	4.079806	4.101117	4.194045	4.021828	5.464721	5.436055	5.40489	5.440132	5.449543	5.546053	5.570088	5.615689	5.680517
CCNB2	ENSG0000	0.561848	4.365309	3.415854	0.003188	0.011753	-2.40941	4.988842	5.127117	4.95851	4.472198	4.327153	4.379778	5.771031	5.730749	5.757647	4.438829	4.467566	4.418544	2.371704	2.363215	2.559363	4.826728	4.580516	4.797858
FAM81A	ENSG0000	-0.07529	2.702358	-0.58742	0.564432	0.674459	-6.4786	3.011517	2.91921	2.848472	3.041869	3.073582	2.805104	2.981245	2.981485	2.697131	3.216534	3.15652	3.141546	2.479079	2.549802	2.399663	3.032701	3.104657	3.093712
MYO1E	ENSG0000	-0.63795	7.022468	-4.96978	0.000108	0.000804	0.604471	7.472112	7.356311	7.373057	7.015039	6.947704	6.914431	6.314182	6.166593	6.109268	7.364119	7.341288	7.331735	7.147093	7.123828	7.15756	7.241516	7.095261	7.147878
APPL1	ENSG0000	-0.24858	5.93382	-6.29417	7.11E-06	9.87E-05	3.480215	5.930304	5.924332	5.95179	5.724097	5.703792	5.671913	5.624444	5.679597	5.552477	6.25662	6.209259	6.25807	6.208618	6.212983	6.186865	6.02583	6.038386	6.090332
PWWP3B	ENSG0000	-0.24946	0.342723	-1.55057	0.138923	0.230454	-5.55829	0.106501	0.106501	0.219246	0.395333	0.106501	0.3528	0.106501	0.253663	0.256032	3.87668	3.890158	3.641797	4.684821	4.811013	4.684921	3.39949	3.595851	3.410407
AFAP1L1	ENSG0000	0.555818	0.955312	2.728061	0.01406	0.0381	-3.086	1.755904	1.374745	1.088647	1.791994	1.556428	1.714252	1.525136	2.255906	1.38134	1.52331	1.435603	1.333627	1.597456	1.462417	1.284217	1.708352	1.930959	1.81044
TSC22D3	ENSG0000	-0.23431	5.283351	-1.95836	0.066345	0.129676	-5.47324	5.362012	5.041126	5.204319	4.281793	4.7142	4.543715	4.902122	4.949799	5.112107	5.709189	5.81247	5.782	5.895085	5.980438	5.88752	5.555628	5.564469	5.523749
VPS26C	ENSG0000	0.215513	5.772877	3.263429	0.004448	0.015331	-2.96475	5.528401	5.496413	5.50047	5.812513	5.726197	5.807161	5.791286	5.868449	5.900795	5.666054	5.694779	5.658231	6.189971	6.185083	6.213527	5.803695	5.727952	5.832557
DYRK1A	ENSG0000	-0.09597	5.758477	-1.69089	0.108611	0.190886	-5.94778	5.97203	5.981241	5.925027	5.629907	5.634408	5.842864	6.000029	5.959717	6.084485	5.918171	5.892276	5.769327	5.544252	5.489494	5.598492	5.677494	5.558198	5.671054
KCNJ6	ENSG0000	0.478847	-1.9009	2.206422	0.040998	0.08877	-3.76734	1.18244	1.631689	1.62731	2.021307	1.864131	1.993763	1.816207	1.901414	1.777424	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ETS2	ENSG0000	-0.40874	5.082966	-7.37592	9.14E-07	2.00E-05	5.642319	4.615318	4.463121	4.547936	4.190466	4.051057	4.293939	4.4712	4.019913	4.355908	6.169215	6.191511	6.335768	5.810235	5.754024	5.781349	5.757061	5.825159	5.769665
LCA5L	ENSG0000	0.051851	1.503412	0.246958	0.807818	0.867377	-6.2459	2.568952	2.425906	2.600444	2.21912	1.768674	2.22781	2.724622	2.147141	2.274723	1.199504	1.616737	1.49011	1.711947	1.622273	1.992654	1.599785	1.581179	1.81044
SLC35B2	ENSG0000	0.261174	6.970667	3.731999	0.001592	0.006759	-2.08442	7.024309	6.991042	6.982762	7.237807	7.280693	7.293751	7.461157	7.484831	7.501464	6.656198	6.558479	6.591856	6.922965	6.868744	6.905894	6.687327	6.667352	6.574316
TMEM164	ENSG0000	0.202393	5.961801	4.259617	0.0005	0.002698	-0.82457	6.457941	6.459902	6.45902	5.966346	5.981675	5.940258	6.751579	6.79778	6.768335	5.800109	5.804708	5.616386	5.188526	5.128506	5.2032	5.859209	5.798808	5.78729
MX1	ENSG0000	0.600607	4.136306	7.324516	1.00E-06	2.14E-05	5.477916	1.681202	1.81559	1.499186	1.519216	0.92021	1.575618	1.240874	1.301009	1.171446	7.491066	7.560392	7.53894	6.981204	7.060326	7.116409	8.100405	8.23195	8.242017
CREB3L1	ENSG0000	1.367269	0.118482	4.433755	0.000342	0.001993	0.364453	0.318509	0.316291	0.512639	1.104644	1.373859	1.475193	1.240874	1.001115	1.314712	1.199504	1.300837	1.061592	1.248697	1.120667	1.355599	1.833493	1.67689	1.504318
C2CD2	ENSG0000	-0.0429	4.761363	-0.59419	0.559998	0.670087	-7.01035	5.160214	5.018804	5.037516	4.254996	4.447623	4.178918	4.944941	4.759705	4.831463	4.98955	5.000678	4.968042	4.612964	4.561635	4.712374	5.168285	5.015283	5.033946
TAB3	ENSG0000	0.194469	6.058888	1.540888	0.141254	0.233288	-6.22447	5.240453	5.144404	5.347631	5.529135	5.419464	5.683212	5.672555	5.5324	5.54523	6.26025	6.356686	6.297442	7.38312	7.381881	7.42771	6.430279	6.42815	6.426093
SLC38A10	ENSG0000	0.278937	7.175607	4.228427	0.000535	0.002843	-1.02072	6.740277	6.611798	6.777125	7.496077	7.567102	7.440793	6.905069	6.84932	6.97662	6.886603	7.053015	7.171923	7.638245	7.550398	7.561566	7.412245	7.402865	7.309837
C9orf43	ENSG0000	-0.50009	0.080614	-1.79987	0.089167	0.162947	-4.58376	1.681202	1.551021	1.853768	0.841981	0.828511	1.055701	0.670238	1.301009	0.925731	1.116489	1.190799	0.958181	0.701742	0.550009	1.08859	1.214313	1.024588	1.273688
ZNF618	ENSG0000	0.992174	1.76942	3.096961	0.006385	0.020425	-2.28425	4.85081	4.905754	4.799861	5.740289	5.723018	5.719334	5.850398	5.798247	5.763904	0.483018	0.106501	0.34382	0.656707	0.416769	0.812339	0.393424	0.433238	0.497646
TMEM268	ENSG0000	-0.05956	5.23698	-1.00148	0.330259	0.450218	-6.71602	5.729467	5.765816	5.794633	5.396478	5.431202	5.451761	5.95585	5.830848	5.729151	5.079966	5.022258	5.049965	4.821167	4.608219	4.76248	4.862412	4.857415	4.853297
UBN2	ENSG0000	-0.16412	4.960763	-1.85554	0.080464	0.151334	-5.5536	5.230664	5.188404	5.284248	4.778495	4.720591	4.76722	5.272444	5.093515	5.087374	5.185557	5.235883	4.850228	4.931624	4.947106	4.950015	4.931237	4.683969	5.011626
BRAF	ENSG0000	-0.07071	5.042813	-1.08174	0.294069	0.412712	-6.58703	5.220808	5.24399	5.16615	5.359221	5.334513	5.525804	5.356409	5.364416	5.261087	4.886838	4.97047	4.850228	5.027605	4.997558	5.009321	4.691084	4.555551	4.7671
PSMG3	ENSG0000	-0.24259	6.206943	-4.87703	0.000131	0.00094	0.517308	7.240532	7.096948	7.196673	6.576757	6.700177	6.608517	6.810654	6.933604	6.954907	5.866711	5.665936	5.901803	5.250459	5.211312	5.262439	5.65393	5.54346	5.659138
WDR19	ENSG0000	-0.23225	4.168903	-1.48352	0.155745	0.251847	-5.89944	4.339825	4.511888	4.526184	4.40878	4.071202	4.170914	4.143751	3.988732	4.198517	4.065562	4.066685	3.914651	4.873768	4.797675	4.725907	3.793775	3.93605	3.992166
SLC37A3	ENSG0000	0.696141	5.586166	9.8576	1.47E-08	8.77E-07	9.849612	4.71698	4.778666	4.857612	5.869565	5.716638	5.775839	5.824425	5.758745	5.657027	5.44359	5.344801	5.41143	6.17308	6.026902	6.112827	5.859209	5.868037	5.936917
AP3S2	ENSG0000	0.336119	4.215078	3.355614	0.003637	0.013033	-2.41122	4.399293	4.34846	4.441562	4.863733	4.720591	4.864722	4.568297	4.657666	4.849226	3.584041	3.654848	3.400153	4.450951	4.420842	4.488525	3.799922	3.910024	3.937965
FMNL2	ENSG0000	0.41458	6.098155	3.182396	0.005305	0.017684	-3.09609	6.306192	6.399268	6.255944	7.427738	7.341046	7.5389	7.188262	7.075157	7.140673	5.170202	5.069663	4.98568	5.868176	5.816527	5.889024	4.986185	4.877699	4.910709
GAREM2	ENSG0000	-0.18648	1.52625	-0.88757	0.386824	0.508494	-5.83261	3.58303	3.248262	3.638424	2.97776	3.112982	2.924168	2.981245	3.122225	3.181386	1.199504	0.986408	1.061592	0.610222	0.837535	0.862212	1.354562	1.289746	1.461048
SPPL3	ENSG0000	0.310999	5.561964	5.286123	5.52E-05	0.000476	1.456535	5.337898	5.32203	5.429007	5.68113	5.557954	5.738416	5.726144	5.859858	5.848765	5.44359	5.417853	5.346363	5.786914	5.72965	5.692815	5.66576	5.502682	5.595534
RAB28	ENSG0000	0.047626	4.239027	0.79118	0.439444	0.560541	-6.74473	4.245758	4.256058	4.195052	4.082842	4.120365	3.97338	4.283766	4.59002	4.396744	4.553726	4.490971	4.533928	4.183649	4.122289	4.265755	4.54135	4.451131	4.411295
PRXL2B	ENSG0000	0.36228	4.06644	2.892328	0.009918	0.028899	-3.3759	4.02189	4.006672	3.863273	4.784753	4.795153	4.761901	4.264577	4.212157	4.270596	3.926269	3.68898	3.853525	3.90909	3.890658	3.974116	4.222335	4.216457	4.129778
TNFRSF14	ENSG0000	1.095399	2.247466	9.826699	1.54E-08	9.04E-07	9.625332	2.392887	2.206444	2.514675	3.503067	3.517104	3.432575	3.115825	3.043491	3.199964	1.315703	1.467416	1.413989	2.727949	2.700737	2.730245	2.368215	2.315011	2.350536
PANK4	ENSG0000	0.229747	3.374824	2.470205	0.024064	0.058259	-4.0827	3.249862	3.61855	3.334887	3.503067	3.722109	3.689474	3.457463	3.384264	3.453254	3.246125	3.398501	3.507833	3.520276	3.401888	3.578659	3.691675	3.667508	3.805852
C12orf43	ENSG0000	0.110506	5.034055	2.051062	0.05556	0.112663	-5.23547	5.180696	5.007511	5.052811	5.082724	5.119213	4.997371	5.310366	5.241941	5.256657	5.170202	5.024933	5.007428	4.92689	4.922739	4.810905	5.184823	4.999943	5.12686
PEX10	ENSG0000	-0.39875	4.59661	-3.90494	0.001089	0.005004	-1.33269	5.297832	5.300601	5.469462	4.881362	4.982309	4.803913	4.926746	4.715948	4.674259	4.281009	4.260723	4.460144	4.441025	4.407733	4.492489	4.137495	4.323851	4.014786
RER1	ENSG0000	0.037916	6.704231	1.021371	0.321009	0.440625	-6.90903	6.97825	6.969865	6.926789	7.147206	7.141159	7.148463	7.12583	7.027369	7.084289	6.308968	6.353497	6.382287	6.470101	6.502222	6.467239	6.361285	6.289928	6.25614
RADIL	ENSG0000	0.399195	1.711823	1.245324	0.22945	0.340246	-5.50446	2.051128	2.534795	2.621113	3.714523	3.808643	3.405543	2.884002	2.801791	2.869505	1.52331	1.335727	1.696985	1.248697	1.203912	1.046067	1.482378	1.737342	1.461048
SKI	ENSG0000	0.132578	6.090988	1.787497	0.09121	0.16602	-5.81895	6.271602	6.461282	6.500048	6.573146	6.713055	6.564898	6.522384	6.450256	6.535834	5.550237	5.78275	5.783261	5.628298	5.530385	5.555558	5.876764	5.899792	5.847335
WIPI2	ENSG0000	0.145308	6.125731	2.164883	0.044503	0.094635	-5.20047	5.897683	5.957964	6.013674	6.178467	6.230343	6.170452	6.169514	5.932665	5.920533	5.904318	5.924149	6.012415	6.659638	6.581215	6.599015	6.214835	6.166201	6.116712
LDLRAP1	ENSG0000	-0.35455	5.365795	-4.88138	0.00013	0.000932	0.581657	5.071598	5.137514	5.123327	4.96641	4.894593	4.819357	4.411387	4.307901	4.534865	6.167928	6.029133	6.147827	6.050049	5.903146	5.936358	5.964211	5.889839	5.936917
AGAP1	ENSG0000	0.038568	6.367811	0.675546	0.508169	0.623953	-7.19209	6.476008	6.594292	6.580083	6.176088	6.175571	6.293514	6.820543	6.629411	6.685063	6.320605	6.406768	6.422504	6.162044	6.169635	6.084218	6.377818	6.216176	6.356957
KRTCAP3	ENSG0000	0.086453	1.937364	1.015941	0.323516	0.443359	-6.57296	0.41387	0.215206	0.598525	0.635873	0.389229	0.461789	0.548589	0.387194	0.925731	5.1779	5.1649	5.317056	5.626839	5.583812	5.603999	5.260328	5.331868	5.236778
PAFAH2	ENSG0000	-0.15165	4.85027	-2.20727	0.040929	0.088653	-4.95931	4.511345	4.452056	4.357835	4.440838	4.310303	4.365821	4.393833	4.547856	4.620106	5.483477	5.409689	5.47681	5.428457	5.468605	5.412251	5.194188	5.356168	5.037632
BABAM2	ENSG0000	-0.15688	5.569979	-1.39686	0.17994	0.281512	-6.31486	6.110133	6.228223	6.165618	5.650615	5.514478	5.562977	6.146113	6.032872	6.138455	5.228194	5.301333	5.39832	5.373851	5.419382	5.341488	5.102661	5.057388	5.070394
CFAP251	ENSG0000	0.076052	3.422597	0.629921	0.536895	0.649079	-6.89507	2.744313	2.966631	3.104764	1.688986	1.373859	1.840725	2.576877	2.777669	2.869505	4.92393	4.793538	4.771071	4.610014	4.592857	4.691833	5.02344	4.84029	5.01537
MRPL17	ENSG0000	-0.27672	6.219792	-5.05649	8.97E-05	0.000697	0.879118	6.658669	6.585458	6.601043	6.344419	6.362903	6.381113	6.278754	6.152593	6.157591	6.243231	6.181955	6.279679	5.98094	5.952125	5.895027	6.171633	6.08129	6.010044
DUSP2	ENSG0000	-0.15227	3.397881	-1.78143	0.092226	0.16757	-5.3391	4.10996	4.177623	4.080323	2.91067	3.151334	3.168853	4.143751	4.138304	4.093134	3.97421	3.562131	3.834184	2.717023	2.627242	2.574402	3.658228	3.404065	3.477085
GRHL3	ENSG0000	0.230591	1.247603	1.422534	0.172474	0.272465	-5.9082	0.814199	0.410755	0.829201	0.395333	0.389229	0.106501	0.548589	0.387194	0.39151	3.980092	3.913441	3.905414	4.701546	4.645922	4.656936	4.147172	4.173346	4.280507

UBXN11	ENSG0000	-0.37816	3.75392	-4.54583	0.000268	0.001631	0.148009	3.114469	3.196163	3.371944	3.503067	3.670226	3.485165	3.115825	3.178579	2.798137	4.641707	4.502533	4.389024	4.838914	4.642195	4.952895	3.98397	4.221756	4.087723
PTPDC1	ENSG0000	0.11707	3.561061	1.717517	0.10355	0.183555	-5.4907	3.562366	3.298545	3.62825	3.376187	3.170134	3.349911	3.747379	3.798055	3.528681	3.968304	3.953305	3.872611	3.663745	3.659519	3.767168	3.967679	3.929587	4.073428
GALNT14	ENSG0000	0.428377	5.74104	7.713737	4.98E-07	1.25E-05	6.225894	5.628712	5.711177	5.724733	5.803295	5.661235	5.809741	6.122326	5.999368	5.972785	5.630966	5.581239	5.576204	5.481072	5.410647	5.493616	6.073551	6.075448	6.086777
NCK1	ENSG0000	-0.06279	4.790271	-1.18169	0.253159	0.367745	-6.45624	4.600191	4.864623	4.725456	4.809518	4.752128	4.869675	4.681143	4.603806	4.776822	4.883704	4.893523	4.902234	5.056064	5.133823	5.143946	4.783949	4.79123	4.910709
RHPN1	ENSG0000	0.292957	4.674068	3.900023	0.001101	0.005042	-1.48477	3.27548	3.07157	3.334887	3.80351	4.13	3.828257	3.474265	3.250449	3.721038	5.42646	5.757239	5.496937	6.538415	6.452024	6.480274	5.750728	6.006502	5.791663
TPRG1L	ENSG0000	-0.28668	5.637806	-6.7707	2.82E-06	4.85E-05	4.473807	5.346988	5.416131	5.341417	5.746715	5.716638	5.794193	4.974767	5.068879	4.989319	5.970815	5.850665	5.96763	6.288285	6.23912	6.244416	5.733166	5.655395	5.689918
PRXL2C	ENSG0000	-0.1804	3.890899	-1.13002	0.273736	0.390663	-6.24156	4.473109	4.210824	4.294909	4.227693	4.020303	4.178918	4.339849	4.38177	4.216877	3.576295	3.569479	3.722908	4.241981	4.10073	4.311352	3.455083	3.297679	3.241681
XDH	ENSG0000	-0.64998	2.587817	-2.37609	0.029166	0.0677	-4.16584	3.603403	3.428416	3.565652	1.840866	2.193078	1.623325	1.389995	1.658879	1.873138	3.45483	3.365114	3.445469	3.318207	3.193633	3.429496	3.508614	3.256961	3.387478
XKR8	ENSG0000	-0.13058	3.574845	-1.17881	0.254274	0.368951	-6.2526	3.114469	2.819419	2.933559	3.472378	3.426184	3.445903	2.981245	2.801791	2.981126	4.447347	4.390842	4.530928	4.211164	4.078843	4.228211	4.414877	4.258317	4.190648
CNNM4	ENSG0000	-0.03992	5.39444	-0.75502	0.460293	0.580893	-7.02218	5.240453	5.285098	5.258094	4.759555	4.877535	4.864722	5.333571	5.306587	5.404147	5.978182	5.754018	5.87129	5.570287	5.518239	5.4817	5.789862	5.737233	5.717759
EYA3	ENSG0000	0.29403	5.07991	3.369553	0.003528	0.012749	-2.66757	4.252223	4.136747	4.174224	4.797189	4.813207	4.72957	4.980658	4.759705	4.626988	5.669698	5.639998	5.605019	5.704954	5.548415	5.547959	5.833967	5.68063	5.78729
DZIP1L	ENSG0000	0.290453	0.743862	0.887939	0.38663	0.508333	-5.74128	1.519087	1.118985	1.453818	1.933905	2.398361	2.064596	1.70672	1.605065	1.727075	1.278001	1.616737	1.305813	0.745413	0.986036	0.910419	1.419885	1.67689	1.115245
FANCC	ENSG0000	-0.1245	4.155269	-1.67572	0.111588	0.194636	-5.70115	5.023273	4.992316	4.89628	3.753334	3.683372	3.678224	4.792514	4.696781	4.570996	4.497421	4.256177	4.53991	3.281595	3.152313	3.244428	4.55958	4.455636	4.335451
MRAS	ENSG0000	-0.43607	1.766579	-1.35194	0.193631	0.297442	-5.36031	3.183753	3.347134	3.148134	3.342644	3.151334	2.924168	2.545421	2.511284	2.616448	0.934589	1.112482	1.126631	2.28558	2.433888	2.220059	1.250674	1.368306	0.93723
WASF2	ENSG0000	0.054554	7.223069	0.567748	0.577427	0.684445	-7.35978	7.164589	7.149264	7.25817	6.534673	6.582305	6.60109	6.983449	7.073919	6.972573	7.391963	7.408381	7.410976	7.590029	7.563756	7.570032	7.660475	7.639538	7.64499
ABHD3	ENSG0000	-0.09029	4.378307	-0.77094	0.451038	0.571491	-6.77762	4.212988	4.190995	4.242513	4.424898	4.352066	4.610338	4.629578	4.45204	4.542164	4.85838	4.784095	4.760864	4.187612	4.220515	4.333621	4.422866	4.395944	4.461559
ESYT3	ENSG0000	-0.44809	1.489191	-2.41433	0.026981	0.06372	-3.79669	1.894617	2.068355	2.079636	1.256461	1.498102	1.919272	1.588238	1.301009	1.777424	2.243849	2.285719	2.055402	2.67247	2.363215	2.481722	1.903678	2.030948	1.844513
FAIM	ENSG0000	-0.14618	3.692135	-1.44567	0.165962	0.264348	-5.88943	3.373632	3.676739	3.39613	3.727576	3.796595	3.848471	2.832807	2.960209	3.254305	4.13575	3.997554	4.147939	4.234338	4.429515	4.394205	3.994729	4.094656	4.274271
TENT5B	ENSG0000	-0.80536	1.129822	-2.38054	0.028903	0.067222	-4.02697	1.927307	2.09705	2.138168	0.395333	0.625525	0.2349	0.269385	0.622068	0.256032	3.255856	3.414909	3.283783	3.24403	2.925848	3.308792	3.171932	3.009816	2.687355
COLEC12	ENSG0000	2.068822	-0.80648	3.532053	0.002471	0.009594	-1.39655	1.519087	1.947501	1.585853	5.475981	5.63102	5.622881	3.617275	3.659726	3.783962	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RNF207	ENSG0000	-0.03422	3.826835	-0.21981	0.828565	0.882865	-6.84537	3.903656	4.036608	4.201929	4.132759	4.061165	4.218286	3.988671	4.009594	4.093134	3.591745	3.539861	3.325935	4.464081	4.344933	4.508238	3.366734	3.467897	3.519884
CUL4B	ENSG0000	0.173151	6.575033	2.30409	0.033734	0.076072	-4.97434	7.011979	7.100496	7.007503	7.081365	7.010339	7.154564	7.241986	7.366504	7.339143	5.876205	5.978976	5.865347	6.204712	6.278059	6.234982	5.886907	5.948551	6.067072
GPR153	ENSG0000	0.474679	3.259864	1.803387	0.088594	0.162228	-5.27065	1.894617	2.039077	1.888281	4.122913	4.167908	3.982555	1.917967	1.988058	1.826075	3.77884	3.872445	3.919248	4.650776	4.446707	4.688381	4.450484	4.395944	4.376785
SLC13A3	ENSG0000	-0.30723	0.436023	-2.42633	0.026328	0.062531	-4.14615	0.106501	0.106501	0.219246	0.258133	0.389229	0.2349	0.106501	0.106501	0.256032	4.252132	3.997554	4.246333	4.74791	4.704269	4.79815	3.756329	3.967936	3.761956
GPRASP2	ENSG0000	0.465122	2.999932	5.554602	3.16E-05	0.00031	2.46699	2.949211	2.90305	3.075109	3.425084	3.34578	3.377995	3.33403	3.462004	3.162566	2.650221	2.865607	2.845681	3.288992	3.536446	3.263113	3.290193	3.204393	3.228839
AUTS2	ENSG0000	-0.20326	-1.95586	-0.8486	0.407576	0.529553	-5.47157	1.642349	1.744817	1.744977	1.578054	1.953662	2.164723	1.240874	1.549165	1.50602	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
H2BC5	ENSG0000	-4.43E-05	3.49269	-0.00051	0.9996	0.99967	-6.9036	2.526909	2.576149	2.469799	3.57705	3.602632	3.643939	2.102195	2.676938	2.560038	4.217694	4.013804	4.220495	4.955062	5.009177	5.034009	4.271827	4.088867	4.136669
CDC25C	ENSG0000	-0.1747	1.6491	-0.74117	0.468435	0.588041	-6.20087	2.744313	2.853456	2.514675	1.688986	1.612488	1.475193	2.340763	2.511284	2.560038	2.650221	2.590228	2.766268	1.121891	1.203912	0.404558	2.539649	2.799093	2.419973
H4C8	ENSG0000	0.617932	2.912438	6.128891	9.86E-06	0.000127	3.595544	1.336422	1.670392	1.453818	3.142765	3.112982	3.306732	2.576877	2.255906	2.127218	3.216534	3.390227	3.187996	5.119672	4.979952	4.99542	3.678389	3.68296	3.716682
MITD1	ENSG0000	-0.25025	4.445236	-2.40548	0.027473	0.064613	-4.47176	4.921476	4.83937	4.777019	4.245952	4.030628	4.30129	4.348988	4.61746	4.404775	4.464232	4.536672	4.63239	4.534231	4.657043	4.660464	4.458278	4.395944	4.4056
EIF5B	ENSG0000	-0.2698	7.98244	-8.77457	8.13E-08	3.16E-06	7.911131	8.191906	8.234963	8.247698	7.884889	7.889874	7.985894	7.900906	7.87987	7.94932	8.166542	8.144148	8.092149	7.834888	7.816521	7.849663	7.885629	7.893492	7.942074
RIBC1	ENSG0000	0.073056	0.46338	0.250983	0.804754	0.865242	-6.02344	1.010037	1.327092	1.088647	1.393812	1.768674	2.064596	0.670238	1.367163	1.0941	0.54782	1.07167	1.277453	1.935792	1.846087	2.07955	1.099384	0.975239	1.170016
CNOT11	ENSG0000	0.026728	6.447025	0.608876	0.550439	0.661093	-7.23904	6.384797	6.494017	6.407897	6.576757	6.426835	6.445565	6.400221	6.448347	6.293548	6.354963	6.349235	6.47808	6.622793	6.58316	6.631735	6.478027	6.481037	6.49609
TSPAN33	ENSG0000	-0.2584	1.656911	-0.80865	0.429587	0.550997	-5.83376	3.593253	3.647938	3.533304	4.944216	4.911451	5.041937	3.523527	3.122225	3.557782	1.028404	0.748206	1.027938	0.701742	0.837535	0.812339	0.789161	0.871168	0.409347
NRG2	ENSG0000	0.745745	-1.20104	2.241954	0.038203	0.083904	-3.73394	2.080492	1.744817	1.987129	3.06262	3.073582	3.016392	2.752438	2.357042	2.408535	0.106501	0.106501	0.106501	0.234608	0.106501	0.106501	0.106501	0.106501	0.214669
AHCYL2	ENSG0000	0.150516	5.512615	0.856777	0.403163	0.52479	-6.81496	5.985675	5.967708	5.939499	7.207846	7.077854	7.208345	6.14086	6.030322	6.133632	4.61171	4.627471	4.595532	4.667899	4.707838	4.755899	4.777733	4.773297	4.72199
B4GALT5	ENSG0000	0.01504	7.148039	0.147865	0.884142	0.923025	-7.51579	6.707715	6.630321	6.63065	6.530955	6.669124	6.745516	6.357843	6.32478	6.367315	7.809099	7.821131	7.766742	7.528865	7.447403	7.447245	7.989802	8.026243	8.070436
SPATA2	ENSG0000	0.005706	5.441583	0.072196	0.943265	0.963299	-7.31142	5.45743	5.455446	5.525355	5.041505	5.034541	4.992837	5.262806	5.136826	5.211591	5.614043	5.533197	5.795814	5.664294	5.677811	5.643753	5.926779	5.856159	5.740557
FAM86C1F	ENSG0000	-0.25116	4.03341	-3.11421	0.006151	0.019901	-3.00921	3.729242	3.976101	3.987862	3.503067	3.517104	3.689474	3.238915	3.40015	3.323715	4.696324	4.595438	4.657367	4.769223	4.746531	4.842308	4.598895	4.530146	4.515429
DNAH3	ENSG0000	0.478729	0.876476	3.838196	0.001261	0.00564	-0.93433	0.587539	0.875715	0.598525	1.022291	0.828511	1.123626	0.782422	0.915275	0.735084	1.964162	2.032826	2.038602	3.057395	3.223865	3.053703	2.494877	2.354144	2.350536
CPA2	ENSG0000	-3.61263	-1.19962	-5.81789	1.84E-05	0.000204	2.794119	5.004246	5.084762	4.978671	2.766336	2.520598	2.557474	1.240874	1.367163	1.314712	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TSR2	ENSG0000	-0.16625	6.079514	-3.44933	0.002962	0.01113	-2.61942	6.323181	6.37604	6.318974	5.930104	5.806499	5.892383	6.202659	6.225736	6.188155	6.259041	6.181955	6.191231	5.997966	5.904702	5.958022	5.968311	6.115856	5.987349
PPP1R9A	ENSG0000	-0.34832	3.605731	-3.80858	0.001346	0.005934	-1.43748	3.325391	3.310847	3.359697	3.408969	3.278066	3.26222	2.637802	2.916694	2.846105	4.382206	4.68948	4.253631	4.279599	4.24529	4.460466	4.127753	4.151298	4.292899
ZC3H18	ENSG0000	0.008926	6.502702	0.191662	0.850216	0.899246	-7.44947	5.946343	6.059873	6.065492	5.733834	5.910785	5.872779	6.232593	6.090306	6.101877	7.175787	7.171822	7.262883	6.811174	6.750852	6.757308	7.132479	7.167755	7.11946
ZFAND2B	ENSG0000	-0.05468	4.335674	-0.56159	0.581524	0.687527	-6.9206	4.445163	4.406929	4.662041	3.933121	4.081169	4.036412	4.174919	4.290959	4.243986	4.553726	4.411431	4.434686	4.653644	4.679032	4.688381	4.46216	4.584635	4.61255
GDPD5	ENSG0000	0.478441	3.061857	1.663707	0.113997	0.197763	-5.50205	1.286899	1.465573	1.453818	3.441022	3.457132	3.485165	2.412257	2.481727	2.643847	4.323269	4.247042	4.096105	3.850304	3.724396	3.81227	4.345124	4.508628	4.317368
DYNC1I1	ENSG0000	0.83389	1.820383	9.690168	1.90E-08	1.05E-06	9.717236	0.587539	0.736739	0.421314	1.104644	1.437317	1.055701	0.983587	0.915275	1.244857	3.411958	3.463043	3.419749	4.404034	4.442428	4.346819	4.199264	4.111883	4.163911
TMED4	ENSG0000	-0.27824	7.075274	-2.56409	0.019821	0.049974	-4.54038	7.969628	7.952413	7.935426	7.277181	7.24012	7.211275	7.598721	7.563651	7.577141	6.571074	6.600329	6.631611	6.723813	6.706935	6.72229	6.439169	6.474393	6.373096
PPP1R15B	ENSG0000	-0.27699	7.494334	-2.32155	0.032569	0.073913	-5.04184	8.630127	8.632365	8.63862	7.599991	7.518414	7.565093	8.424686	8.367357	8.420033	7.033133	6.985272	7.003584	6.707345	6.751716	6.740739	6.702994	6.630969	6.715639
COPG2	ENSG0000	-0.63074	5.142095	-8.00507	2.98E-07	8.19E-06	6.894281	6.674401	6.684506	6.545359	5.98549	6.049244	6.062107	5.83422	5.896721	5.848765	4.451587	4.353024	4.441093	4.028794	4.200384	4.21867	3.917673	4.156841	4.157149
EMSY	ENSG0000	0.751851	3.925727	8.440618	1.42E-07	4.68E-06	7.712313	2.780548	2.748839	3.176339	3.988393	3.912781	4.10523	3.904396	3.698786	3.808383	4.082065	4.190981	3.977706	4.709837	4.753456	4.667494	4.758922	4.596923	4.698895
PAGE5	ENSG0000	-0.05621	1.274794	-1.41174	0.175583	0.276212	-6.30054	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	6.729612	6.780495	6.803683	7.001607	7.012058	6.913307	6.675674	6.727265	6.706405
GPAT4	ENSG0000	0.56341	6.830703	5.871591	1.65E-05	0.000189	2.530781	6.179621	6.160165	6.117333	6.897233	6.867902	6.958108	7.086758	7.092371	7.151451	6.855742	6.805602	6.85016	6.992575	6.947096	7.029726	7.064529	7.091648	7.046321
ZSCAN12	ENSG0000	0.072966	3.355235	0.750949	0.462675	0.582834	-6.61993	2.688195	2.950996	2.579475	3.020814	2.737798	2.825643	3.315502	2.916694	3.323715	3.944434	4.181422	4.063257	4.15964	4.220515	4.213876	3.967679	3.955266	4.066226
TAGLN2	ENSG0000	0.127687	9.216605	1.732066	0.100872	0.180097	-6.21281	8.985326	8.952713	8.959135	8.29317	8.405814	8.377975	9.097948	9.020982	9.117812	9.652247	9.592127	9.600772	9.521562	9.552259	9.546357	9.719784	9.770943	9.779653
ELK4	ENSG0000	-0.40048	6.260409	-7.48678	7.48E-07	1.70E-05	5.757905	7.054218	6.993906	7.057645	6.137487	6.11136	6.21978	6.424199	6.562162	6.464636	6.376307	6.347099	6.280572	5.662871	5.60119	5.495593	6.056963	6.051838	6.154551
SLC45A3	ENSG0000	-0.22275	3.126869	-2.63825	0.016981	0.044221	-3.88506	2.589523	2.76681	2.681399	2.325974	2.429905	1.956998	3.050103	2.753138	2.376228	4.493314	4.521599	4.533928	3.501296	3.487446	3.556108	4.258497	4.173346	4.268007
DUSP23	ENSG0000	0.063677	3.573814	0.574252	0.573114	0.681431	-6.86284	2.320899	2.655462	2.758051	2.933382	3.093416	2.374422	2.545421	2.255906	1.962896	4.517783	4.655361	4.773612	5.391139	5.438844	5.3633	5.036515	4.729324	4.582581
RNF166	ENSG0000	-0.19003	3.284451	-1.94173	0.068467	0.132875	-5.02926	3.300651	3.439663	3.477724	3.20008	3.362223	3.535905	2.752438	3.002451	3.218306	3.528929	3.761343	3.680217	3.623353	3.495729	3.571181	3.651445	3.713375	3.466183
NBL1	ENSG0000	0.639246	2.584279	3.996146	0.000891	0.004257	-0.76328	2.850396	2.693541	2.399755	2.97776	3.073582	2.865864	2.908934	2.938616	2.915195	2.817246	2.531245	2.422156	2.28558	2.686334	2.465679	3.39137	3.171908	3.364179
F11R	ENSG0000	-0.4068	5.902542	-3.04503	0.007144	0.022221	-3.5096	5.300954	5.306756	5.325763	4.052041	4.071202	4.226032	4.023335	4.212157	4.198517	7.420362	7.404792	7.415457	7.361356	7.368975	7.430812	7.2617	7.31634	7.265725
USF1	ENSG0000	-0.18065	5.888794	-4.23321	0.00053	0.002824	-0.89001	5.650902	5.734195	5.663779	5.67103	5.751385	5.622881	5.661594	5.447033	5.619566	6.313634	6.264627	6.314989	6.204712	6.197832	6.126922	6.098704	6.113007	5.998741
SPATA2L	ENSG0000	0.509351	4.199185	3.912096	0.001072	0.004945	-1.25849	3.551922	3.58855	3.668523	4.694564	4.86605	4.696497	4.339849	3.967564	4.339245	3.991785	4.01918	4.34529	4.555854	4.381153	4.531543	4.650836	4.464605	4.411295
NIT1	ENSG0000	-0.08252	5.307898	-1.01842	0.322369	0.442128	-6.70461	5.670345	5.664009	5.497679	5.502803	5.600158	5.54451	5.452809	5.435516	5.530627	5.021274	4.942447	5.043664	5.481072	5.410647	5.489655	4.996928	5.009167	4.930673
DEDD	ENSG0000	0.671616	5.717197	7.850884	3.91E-07	1.02E-05	6.488577	5.334855	5.278849	5.328907	5.711012	5.8095	5.788972	6.323484	6.173542	6.236199	5.35583	5.334056	5.445288	5.988911	5.943067	5.908441	5.78677	5.852747	5.828306
ZNF276	ENSG0000	0.033431	4.935398	0.465442	0.647362	0.744479	-7.09658	4.42241	4.511888	4.606117	4.921675	4.836932	4.956049	4.7858	4.722281	4.807433	5.344475	5.23819	5.29777	5.318904	5.154897	5.243746	5.215041	5.217154	5.11644
NPM2	ENSG0000	0.643004	-1.19407	2.322761	0.03249	0.073768	-3.75125	0.106501	0.106501	0.106501	0.106501	0.25478	0.3528	0.269385	0.253663	0.256032	1.52331	1.369793	1.439812	1.446877	1.652223	1.923865	1.627702	1.368306	1.58715
EDA	ENSG0000	0.086672	-2.04847	0.396645	0.69643	0.78277	-5.72971	1.336422	1.849715	1.54317	1.519216	1.718467	1.310092	1.70672	1.430416	1.564539	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CDA	ENSG0000	0.125557	2.784427	1.266204	0.222057	0.331839	-6.2179	1.642349	1.81559	1.358564	1.634586	1.718467	1.575618	1.588238	1.430416	1.620777	4.945135	4.799799	4.938912	3.970183	3.987816	3.985412	5.057193	5.095414	4.946447
PINK1	ENSG0000	0.107669	4.889959	1.624253	0.122218	0.209074	-5.90745	4.25866	4.217373	4.345467	4.626508	5.094821	4.803913	4.245129	4.247712	4.243986	5.115138	5.069663	5.306568	5.86941	5.814873	5.723497	5.319295	5.391866	5.284099
B4GALT3	ENSG0000	0.114635	6.294469	2.550856	0.020372	0.051082	-4.51489	6.006859	6.015467	6.042692	6.159327	6.108926	6.102644	6.257073	6.271797	6.240692	6.508349	6.414949	6.61187	6.433023	6.401119	6.468246	6.577998	6.49314	6.529201
DMTN	ENSG0000	0.055776	3.149664	0.297817	0.769354	0.837978	-6.72924	3.337603	3.382531	3.322321	3.142765	3.073582	3.306732	2.226405	2.596487	2.560038	3.036317	3.278101	3.36689	3.965575	3.981932	3.904416	3.730814	3.636099	3.889829
FAM160B2	ENSG0000	-0.00701	5.635419	-0.12457	0.902289	0.935389	-7.2969	5.665509	5.587707	5.605332	5.895822	5.921921	5.669075	5.55111	5.5324	5.523269	5.497899	5.459973	5.521329	6.020359	5.977484	5.898018	5.503845	5.629711	5.515842
NDUFS2	ENSG0000	-0.14703	7.691185	-2.87859	0.010213	0.02956	-3.97219	8.021173	8.034908	7.975104	7.782282	7.679627	7.767748	7.930125	7.838931	7.772098	7.537678	7.569123	7.569233	7.583276	7.595414	7.62343	7.464942	7.398192	7.429012
TOMM40L	ENSG0000	0.401489	4.451293	4.634955	0.000221	0.001402	0.203897	3.520128	3.812706	3.736403	4.263984	4.204846	4.045196	4.528631	4.474723	4.428601	4.826087	4.821501	4.771071	5.036421	5.076992	4.863891	4.942395	5.045483	4.996553
MPZ	ENSG0000	-0.3833	2.790503	-1.59817	0.127925	0.216342	-5.20642	4.867751	4.742796	4.986657	5.020445	5.099733	4.960699	4.637058	4.569092	4.520155	2.243849	1.875739	1.969371	1.154653	1.16289	0.957066	1.512637	1.368306	1.416439
CCAR2	ENSG0000	-0.25508	7.748138	-4.30209	0.000456	0.002504	-0.92439	7.583982	7.563278	7.605392	7.050532	7.135191	7.059135	7.190806	7.182398	7.163334	8.298031	8.235894	8.347941	8.225434	8.244655	8.231935	8.192363	8.161654	8.126468
CACHD1	ENSG0000	0.062209	-0.83892	0.333704	0.742573	0.818803	-5.86563	3.325391	3.298545	3.217639	3.921807	3.784444	3.91707	3.388228	3.232814	3.289427	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CDC42SE2	ENSG0000	0.671541	6.07714	11.32356	1.78E-09	1.71E-07	11.95699	5.476884	5.361002	5.344527	6.190301	6.101599	6.068583	6.073542	6.273954	6.164702	5.785068	5.803151	5.849781	6.657496	6.721134	6.754835	6.373703	6.401545	6.399121
RAPGEF6	ENSG0000	0.174387	3.016838	1.884562	0.076231	0.144767	-5.05201	3.19722	3.100202	3.029452	3.376187	3.033076	2.980206	3.178682	3.477062	3.271973	3.196464	3.439177	3.077191	3.074617	2.950162	3.021143	3.366734	3.2466	3.432977
EPB41	ENSG0000	0.509456	5.354926	7.491131	7.42E-07	1.69E-05	5.867147	4.880328	4.830853	4.600923	5.468225	5.503402	5.451761	5.228555	5.335791	5.291723	5.24783	5.40559	5.341234	5.668554	5.603108	5.763416	5.881119	5.744615	5.809023
MIS18A	ENSG0000	-0.14052	3.960377	-0.90622	0.377145	0.499558	-6.62718	4.02189	4.249682	3.995797	3.887325	3.6964	3.608819	3.976929	4.128801	3.796224	4.656475	4.641483	4.974681	3.296351	3.162755	3.157218	4.63373	4.609106	4.587619
ALG8	ENSG0000	-0.11543	6.073971	-2.37205	0.029406	0.068136	-4.8427	5.596044	5.683061	5.494882	5.762655	5.423388	5.708315	5.570773	5.450851	5.574002	6.686194	6.666063	6.721856	6.63082	6.56851	6.579581	6.559094	6.49533	6.580647
FBXW5	ENSG0000	0.766465	6.834957	7.811787	4.19E-07	1.08E-05	6.332219	6.134836	6.168638	6.403429	7.876856	8.027684	7.770399	7.137744	6.955272	7.080534	5.91203	6.06076	6.143905	7.162277	7.097538	7.163167	6.875179	6.781204	6.534429
CFAP298	ENSG0000	-0.20339	3.553587	-1.6621	0.114323	0.198107	-5.53608	4.363907	4.262405	4.222364	3.237064	3.31232	3.231764	3.788265	3.84524	3.808383	3.716784	3.562131	3.555853	3.507651	3.487446	3.404467	3.678389	3.595851	3.631427
SYNJ1	ENSG0000	0.223328	4.155692	1.470405	0.159225	0.256399	-5.95688	3.836399	3.59862	3.544167	4.190466	4.376555	4.30129	4.673889	4.519046	4.444269	4.561593	4.506366	4.348702	4.218931	4.190213	4.302347	4.280646	4.232297	4.177341
PAXBP1	ENSG0000	-0.05719	5.249326	-1.11528	0.279831	0.397094	-6.63932	5.391599	5.361002	5.284248	5.132645	4.960875	5.037542	5.347317	5.553863	5.256657	5.508112	5.51238	5.475251	5.083973	5.082502	5.095248	5.304237	5.451724	5.350812
IFNAR2	ENSG0000	-0.27704	3.487244	-2.48764	0.023216	0.056669	-4.00243	4.059241	4.058659	4.042515	4.416862	4.310303	4.386706	3.474265	3.633086	3.783962	3.246125	3.223257	3.283783	3.125084	3.320292	3.290693	3.032701	3.204393	3.291935
MRPL10	ENSG0000	-0.20701	6.295687	-3.53903	0.002433	0.009493	-2.43875	6.733361	6.654655	6.71719	6.236693	6.389218	6.337085	6.504093	6.417458	6.584368	6.275876	6.150456	6.214791	6.059811	6.194019	6.170875	6.008681	5.9786	6.039759
IFNGR2	ENSG0000	-0.04133	5.741251	-0.46361	0.648649	0.745658	-7.17436	6.355069	6.319327	6.311046	6.569526	6.418997	6.518342	6.000029	6.050595	5.975483	5.112462	5.123069	5.049965	5.231389	5.404061	5.365463	5.342644	5.426702	5.302602
GART	ENSG0000	-0.43773	7.396872	-6.55955	4.23E-06	6.56E-05	3.864536	7.481773	7.419448	7.446551	6.648861	6.541374	6.665172	6.711398	6.863714	6.820294	8.125999	8.051753	8.036648	7.724994	7.653948	7.716612	7.82588	7.747735	7.831213
SON	ENSG0000	0.124337	8.334291	2.066893	0.053886	0.11002	-5.58398	8.045573	8.02234	8.147519	8.386656	8.242765	8.472584	8.257619	8.351102	8.316359	8.485192	8.517147	8.344314	8.372597	8.340322	8.38931	8.456897	8.44518	8.507257
DONSON	ENSG0000	-0.04901	4.386835	-0.25045	0.805158	0.865369	-7.05624	4.393455	4.527784	4.58523	4.797189	4.58706	4.793524	4.384974	4.637703	4.388669	4.721121	4.815334	4.830842	3.557503	3.68147	3.462206	4.723786	4.683969	4.712796
LAD1	ENSG0000	0.466521	2.805096	7.522491	7.01E-07	1.63E-05	5.831489	0.216396	0.316291	0.421314	0.106501	0.389229	0.2349	0.269385	0.253663	0.39151	7.80786	7.767036	7.826995	8.199664	8.148444	8.145517	8.314673	8.286388	8.21541
STC1	ENSG0000	0.47011	1.207415	1.388422	0.182451	0.284192	-5.09224	5.487883	5.632501	5.600136	4.720913	4.352066	4.751204	6.122326	5.885479	6.02321	0.190076	0.330605	0.288049	0.171976	0.106501	0.106501	0.257084	0.637375	0.659518
CSRP1	ENSG0000	0.745065	8.417468	5.020946	9.67E-05	0.000738	0.652601	9.159674	9.109913	9.153671	9.194961	9.28077	9.212681	10.03752	9.97543	10.00346	6.895967	6.862788	6.851363	7.812927	7.815281	7.836078	7.442032	7.493284	7.480706
HOXB13	ENSG0000	-0.27183	-1.09917	-1.53896	0.141721	0.233843	-4.81637	3.300651	3.057038	3.176339	3.083078	2.991399	3.016392	2.933443	2.825515	2.798137	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ATP5MC1	ENSG0000	-0.3173	6.218627	-5.33642	4.97E-05	0.000439	1.494454	7.238091	7.184788	7.178485	6.377922	6.42096	6.358386	6.959782	6.984545	6.827779	5.943981	5.853677	6.004866	5.411614	5.445273	5.389047	5.55381	5.562382	5.637437
RCAN1	ENSG0000	0.719176	4.234851	6.566099	4.18E-06	6.52E-05	4.320172	4.369865	4.150501	4.195052	4.59836	4.720591	4.702062	4.864381	5.063901	5.265504	3.552807	3.486521	3.567612	4.301707	4.230476	4.398437	3.98397	4.094656	4.157149
UBE2Z	ENSG0000	-0.20768	7.21458	-4.13927	0.000651	0.003311	-1.23544	7.432096	7.472429	7.406928	6.776816	6.801626	6.904811	7.059182	7.077629	7.153836	7.477615	7.425185	7.45754	7.17431	7.190406	7.146911	7.364307	7.360852	7.362227
CIART	ENSG0000	0.375128	0.495824	3.044077	0.007158	0.022261	-3.01177	0.318509	0.215206	0.219246	0.258133	0.106501	0.106501	0.269385	0.106501	0.256032	3.87036	3.936355	4.083875	4.431031	4.288839	4.062102	4.382472	4.391248	4.286716
SNF8	ENSG0000	0.042021	5.947399	0.831892	0.416691	0.538609	-6.99247	6.304638	6.326918	6.239328	6.171319	6.358812	6.25428	6.259498	6.232407	6.369368	5.737245	5.570294	5.692199	5.585386	5.637204	5.519102	5.86068	5.667096	5.710849
CCDC24	ENSG0000	-0.38636	2.406432	-2.00915	0.060223	0.120251	-4.57831	3.041689	3.100202	3.24453	3.456785	3.531716	3.168853	2.667326	2.290412	2.274723	2.100009	1.922393	2.055402	3.18974	2.950162	2.99902	1.85727	2.274787	2.200755
RUNX1	ENSG0000	-0.31342	6.908446	-3.42605	0.003117	0.011572	-2.76213	6.692344	6.649821	6.781722	6.600012	6.592794	6.634942	5.95585	5.882654	6.043926	7.234789	7.353576	7.338185	7.673291	7.616457	7.646295	7.27445	7.322519	7.298359
IGF2BP1	ENSG0000	-0.81324	-0.98126	-2.16211	0.044747	0.094939	-3.88509	3.385444	3.248262	3.044832	3.21869	3.188693	3.26222	2.340763	2.324112	2.34318	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.214669
CBR1	ENSG0000	0.520718	6.325034	3.669528	0.001827	0.007538	-2.14399	6.035255	6.07618	6.080495	7.074996	7.147102	6.912032	6.952306	6.886449	6.830763	5.918171	5.938407	6.126123	5.911951	5.813217	5.91584	6.269019	6.19208	6.120193
CBR3	ENSG0000	0.549979	1.684522	2.284595	0.035081	0.078415	-3.97404	2.296082	2.819419	2.848472	2.21912	3.073582	2.885561	2.696258	2.728183	2.616448	1.116489	1.265082	1.360915	1.336984	1.462417	1.456457	2.154563	2.078458	2.091498
AC005041.	ENSG0000	-0.1163	1.689446	-0.55809	0.583863	0.689721	-6.4858	0.587539	1.173893	1.888281	1.457877	1.2379	1.422231	0.782422	0.253663	0.925731	3.367773	3.447177	3.519989	3.783794	3.772912	3.849837	3.478269	3.595851	3.444131
MORC3	ENSG0000	-0.21951	4.979123	-3.62544	0.002013	0.008128	-2.07953	4.820675	4.872944	4.786199	4.619522	4.551652	4.819357	4.723921	4.814082	4.745547	5.349028	5.481554	5.41143	5.333285	5.338797	5.459595	5.168285	5.098298	5.084719
CHAF1B	ENSG0000	-0.44367	4.195269	-2.44419	0.025383	0.060731	-4.4073	4.945613	4.925889	4.904734	4.009923	3.709312	3.964146	3.814892	4.282412	4.270596	5.021274	4.956526	5.101431	2.921223	2.925848	2.858649	4.850615	4.857415	4.869935
SIM2	ENSG0000	-0.24457	1.385746	-0.98508	0.338024	0.459003	-5.54852	4.905158	5.030008	5.079193	4.701197	5.019069	4.874612	4.80585	4.68386	4.700591	0.34397	0.259702	0.397516	0.46104	0.484926	0.263213	0.517985	0.504542	0.214669
HLCS	ENSG0000	0.169098	5.193116	2.436567	0.025783	0.06149	-4.57074	5.004246	4.941796	5.075454	5.190356	5.138434	5.280077	5.203583	5.164994	5.010523	5.346754	5.27236	5.408164	5.164598	5.18338	5.212843	5.469547	5.619709	5.518482
ARHGAP27	ENSG0000	-0.02934	4.714267	-0.13355	0.895286	0.930247	-7.24448	4.776503	4.658672	4.74442	3.162124	3.457132	3.136338	3.352323	3.250449	3.421943	5.475171	5.53695	5.594999	5.9855	5.90936	5.968021	6.016621	6.009569	5.77188
ADPGK	ENSG0000	-0.03924	6.684103	-0.74056	0.468793	0.588439	-7.16563	6.972388	7.025039	6.933002	7.016369	7.034907	6.974295	6.822184	6.853653	6.760534	6.467061	6.50104	6.433792	6.393252	6.386716	6.372547	6.580679	6.514889	6.535733
PTMS	ENSG0000	0.446192	7.087237	6.352534	6.34E-06	8.99E-05	3.498973	6.797761	6.781615	6.707559	7.330558	7.435371	7.344449	6.961273	6.834781	7.053973	6.691581	6.621691	6.682517	7.53743	7.579915	7.441618	7.244336	7.432877	7.292971
ADIPOR1	ENSG0000	-0.08811	7.555025	-2.01801	0.059209	0.118552	-5.60137	7.929849	7.894843	7.867853	7.853973	7.817188	7.77964	7.983914	7.932709	7.941061	7.401857	7.365233	7.421544	7.155211	7.133814	7.156312	7.169748	7.171868	7.160613
CYB5R1	ENSG0000	0.372082	5.246298	6.028424	1.20E-05	0.000148	3.089803	5.125418	5.227863	5.071705	6.009737	5.979012	6.029279	5.650549	5.698992	5.709835	4.645413	4.716207	4.69538	5.396285	5.284851	5.328241	4.897235	4.784083	4.918728
PSMD4	ENSG0000	-0.22927	8.162352	-3.97924	0.000925	0.00439	-1.64465	8.647092	8.649417	8.656877	8.09022	8.036036	8.097253	8.342426	8.35008	8.433343	8.114012	8.047484	8.095961	7.926367	7.908192	7.912778	7.953726	7.890999	7.865323
ATP13A2	ENSG0000	-0.10813	6.030319	-1.19196	0.24921	0.363232	-6.67482	5.734094	5.76358	5.743707	5.935739	6.026211	5.935541	5.931722	5.7054	5.830996	6.487853	6.427133	6.559097	6.184032	5.980438	5.977952	6.331888	6.241181	6.163014
PSMB4	ENSG0000	-0.06299	8.557588	-1.53867	0.141793	0.233934	-6.43878	8.722953	8.72978	8.722906	8.533712	8.550051	8.5269	8.683178	8.688445	8.709391	8.560243	8.437822	8.503916	8.490574	8.49578	8.522253	8.40188	8.371399	8.456866
BTG2	ENSG0000	-1.44034	3.819928	-4.59376	0.000242	0.001508	0.522187	7.533783	7.567129	7.482293	5.803295	5.589722	5.584228	5.840713	5.899518	5.889394	1.891119	1.725977	1.585733	1.838325	1.793303	1.801384	1.833493	1.851139	2.033602
HK2	ENSG0000	0.351021	6.156931	1.226206	0.236386	0.348258	-6.68586	4.363907	4.217373	4.320409	5.59472	5.72937	5.875244	5.060712	5.112925	5.036597	7.642463	7.876607	7.611028	6.487083	6.441343	6.413893	7.854219	7.892246	7.838628
C1R	ENSG0000	0.829085	3.085269	2.442614	0.025465	0.060856	-3.83552	3.691678	3.759847	3.717332	6.650575	6.944977	6.790614	4.348988	4.474723	4.549426	1.388276	1.190799	1.219002	2.145912	2.169719	2.34809	1.809319	1.766644	2.174206
ALDH4A1	ENSG0000	-0.49744	2.664247	-1.9766	0.064085	0.126054	-4.75625	3.747663	3.568199	3.419917	2.91067	2.991399	2.865864	2.607661	2.220554	2.309357	2.763691	2.766797	2.228347	3.221013	3.173121	3.157218	2.679583	2.799093	2.629903
STARD9	ENSG0000	-0.03407	1.381601	-0.23413	0.817605	0.874983	-6.14059	3.128595	2.819419	3.119366	3.181227	2.970101	3.27721	2.981245	3.196885	2.798137	0.934589	1.029669	0.958181	1.018891	0.938214	1.17005	0.974502	0.924142	0.93723
THEM4	ENSG0000	0.091495	5.177484	1.598284	0.1279	0.21634	-5.96529	5.583279	5.612764	5.503257	5.316663	5.49969	5.384134	5.586312	5.550308	5.581106	4.772865	4.806033	4.925267	4.96664	4.863163	4.950015	4.964456	4.956102	5.123395
UBR1	ENSG0000	0.181498	5.458938	3.244723	0.004633	0.015857	-2.95741	5.362012	5.427474	5.387386	5.532858	5.423388	5.553773	5.616898	5.771015	5.616111	5.362601	5.493191	5.285361	5.45336	5.616464	5.526854	5.469547	5.405901	5.562649
AMFR	ENSG0000	-0.19503	6.787171	-4.55509	0.000263	0.001606	-0.2557	7.293996	7.210458	7.320316	7.321977	7.30535	7.263019	7.032487	7.001567	7.097974	6.468108	6.476823	6.532343	6.405214	6.352919	6.332194	6.368542	6.335861	6.302841
MED8	ENSG0000	0.231479	5.79289	4.22405	0.000541	0.002864	-0.88086	5.79071	5.916304	5.901987	5.815573	5.654575	5.862876	6.132946	6.136086	6.133632	5.565966	5.617135	5.599302	5.78299	5.722609	5.74193	5.783672	5.762906	5.834677

ISL2	ENSG0000	0.498596	-0.07133	1.56775	0.134865	0.225324	-4.80337	3.58303	3.273623	3.359697	3.815786	3.517104	3.620621	3.788265	3.698786	3.844255	0.106501	0.185134	0.16959	0.106501	0.190544	0.186984	0.183756	0.2791	0.315289
RSPRY1	ENSG0000	-0.09537	6.239357	-2.50423	0.022436	0.055114	-4.58369	6.384797	6.283884	6.230948	6.388234	6.348532	6.36892	6.108939	6.207795	6.208941	6.261458	6.2759	6.27789	6.266905	6.206689	6.239706	6.196311	6.193429	6.212776
GPBP1L1	ENSG0000	0.09233	6.022326	1.847793	0.081628	0.152796	-5.75549	5.468578	5.460976	5.405371	5.612421	5.627623	5.584228	5.506885	5.506949	5.548858	6.366236	6.367264	6.382287	6.875848	6.85754	6.835855	6.432259	6.490947	6.509426
NAE1	ENSG0000	-0.25178	6.711943	-3.80552	0.001355	0.005961	-1.91033	7.356844	7.342147	7.307621	6.781518	6.714657	6.749552	6.815607	6.911605	6.826285	6.668089	6.648825	6.640685	6.137669	6.167044	6.128197	6.546352	6.676065	6.659325
TMEM69	ENSG0000	-0.26517	5.267425	-4.17782	0.000598	0.003099	-0.92297	5.263039	5.113136	5.075454	5.0571	4.7142	5.006395	4.799197	4.664259	4.7071	5.730282	5.676181	5.685469	5.82048	5.801571	5.797461	5.513229	5.574859	5.528997
EFCAB14	ENSG0000	0.117122	6.900416	2.637804	0.016997	0.044221	-4.39169	6.668371	6.515435	6.642071	7.105315	7.010339	7.112348	6.908164	6.79628	6.67015	6.844501	6.821843	6.77924	7.292644	7.34109	7.29555	6.918201	6.810517	6.902109
SPON2	ENSG0000	0.033807	-0.4887	0.098368	0.922759	0.949255	-6.1515	0.667115	0.499412	0.106501	0.258133	0.730585	0.3528	0.269385	0.387194	0.106501	1.490718	1.616737	1.820066	1.689764	1.946191	2.141451	1.708352	1.707432	1.973284
CHCHD6	ENSG0000	-0.49914	3.743524	-3.01316	0.007652	0.023473	-3.08332	4.91334	4.917869	4.921495	3.359513	3.656958	3.445903	4.057185	3.946081	4.235006	3.651939	3.532361	3.819506	3.494914	3.375198	3.396027	3.508614	3.571152	3.631427
CTBP1	ENSG0000	0.235799	7.649105	4.895401	0.000126	0.000909	0.399151	7.747369	7.753288	7.838919	7.755448	7.856893	7.715741	8.085141	7.876325	7.958215	7.228008	7.358886	7.449221	7.481228	7.45804	7.396846	7.713136	7.623111	7.5234
TPPP3	ENSG0000	0.034717	2.224592	0.118782	0.906802	0.938364	-6.61455	1.475543	1.81559	1.78216	1.634586	2.155834	2.288255	0.782422	0.387194	0.735084	2.83033	2.958081	2.93917	5.952109	5.818179	5.794253	3.200096	3.337278	3.189613
ZDHHC1	ENSG0000	-0.24231	3.479221	-1.82496	0.085147	0.1575	-5.11573	4.271448	4.17089	4.37619	4.681208	4.485643	4.72411	3.539581	3.956862	4.261781	2.693825	2.829342	2.660429	3.526548	3.445301	3.586098	2.639009	2.601856	2.830235
ATP6V0D1	ENSG0000	0.216525	7.347023	2.512622	0.02205	0.054336	-4.65596	7.422095	7.390038	7.406928	8.245755	8.262062	8.220153	7.862335	7.786256	7.911072	6.839656	6.741183	6.869883	7.083646	6.999734	7.02289	6.850218	6.761326	6.747502
ZFYVE28	ENSG0000	0.701479	2.833277	4.279549	0.000479	0.002606	-0.0837	3.454357	3.39414	3.648527	4.281793	4.782991	4.337497	4.143751	4.09991	4.380548	1.586365	1.777644	1.514616	2.717023	2.714997	2.846311	2.055273	2.054898	1.910335
CARMIL2	ENSG0000	-0.1335	2.494765	-1.63646	0.119622	0.205498	-5.71376	1.519087	1.591918	1.453818	0.934951	0.92021	1.055701	1.317361	1.367163	0.833554	4.652797	4.851948	4.92755	4.568067	4.501207	4.595601	4.793224	4.721863	4.661156
RGS12	ENSG0000	0.061915	4.300379	0.717901	0.482305	0.601213	-6.71793	4.758449	4.564207	4.641955	5.025739	5.059965	5.046319	4.520565	4.62424	4.444269	3.695491	3.913441	3.92383	4.085116	4.089828	4.150058	4.088113	4.140146	4.022248
PSKH1	ENSG0000	0.542621	5.891713	7.978145	3.13E-07	8.45E-06	6.705473	5.197545	5.291319	5.417238	6.323078	6.395223	6.37764	6.073542	5.827914	6.046494	5.604555	5.579421	5.589242	6.342612	6.165747	6.271199	6.037584	5.9786	5.996849
ZYX	ENSG0000	0.254748	8.11257	2.449687	0.025099	0.060152	-4.84842	8.636937	8.568802	8.717218	8.245188	8.4211	8.251327	9.001998	8.776281	9.018934	7.476055	7.296606	7.564839	7.791604	7.696341	7.673613	7.684764	7.676674	7.632246
ABR	ENSG0000	0.428277	6.571068	4.362212	0.0004	0.002253	-0.68094	5.975942	5.987002	6.050332	6.636803	6.743187	6.705903	6.205178	6.263136	6.164702	6.609528	6.590431	6.57229	6.920586	6.815145	6.83195	7.196207	7.153267	7.14873
LYPD5	ENSG0000	0.014257	0.880934	0.080997	0.936365	0.95885	-6.48048	0.667115	0.736739	0.756332	0.742604	0.625525	0.461789	0.886508	0.509405	0.39151	2.650221	2.42184	2.638296	3.587808	3.614588	3.586098	2.597261	2.881762	2.419973
CCDC117	ENSG0000	0.006582	5.635397	0.099673	0.921738	0.948578	-7.35203	5.636146	5.668796	5.552509	5.195063	5.1432	5.30954	5.69064	5.730749	5.725949	6.158881	6.111977	6.130093	5.184566	5.292003	5.246096	6.03498	6.05035	6.127131
ZNF230	ENSG0000	0.301226	2.236336	2.370914	0.029474	0.06826	-4.07877	1.719036	1.631689	1.358564	2.359902	2.193078	2.258349	2.446718	1.809233	2.165532	3.08079	3.055486	2.86487	3.353912	3.098942	3.299771	3.083983	3.081525	3.135595
CCDC107	ENSG0000	0.199891	3.853556	1.466673	0.160227	0.257556	-5.83622	4.505944	4.490417	4.288462	3.80351	4.1957	4.036412	4.445869	4.265167	4.578115	3.236329	3.390227	3.419749	3.714069	3.946112	3.727354	3.685048	3.800954	3.707454
ZNF222	ENSG0000	0.255042	1.589469	1.575313	0.133111	0.22289	-5.18721	1.791852	1.327092	1.667608	1.74141	1.909591	1.757653	2.058296	1.945386	2.202855	2.14259	2.115463	1.986992	2.343563	2.714997	2.559363	2.173627	2.146913	1.910335
NPR2	ENSG0000	-0.08647	1.739909	-0.8116	0.427937	0.549692	-6.14623	1.681202	1.551021	1.853768	1.74141	1.612488	1.880533	1.459147	1.760835	1.727075	2.605258	2.766797	2.510098	2.602951	2.627242	2.703134	2.334732	2.649824	2.668457
ZNF221	ENSG0000	0.040568	1.33236	0.313836	0.757361	0.830159	-6.4616	1.12723	1.327092	1.146821	0.841981	1.087782	0.830331	0.983587	1.231675	1.0941	2.589954	2.714733	2.604447	3.157774	3.054776	2.965187	2.679583	2.696248	2.760563
ZNF233	ENSG0000	0.51329	-0.24918	1.59275	0.12914	0.217853	-4.93678	0.318509	0.106501	0.421314	0.52061	0.512209	0.461789	0.782422	0.726566	0.39151	1.315703	1.616737	1.360915	2.566893	2.190279	2.544166	1.286141	1.67689	1.546329
ZNF235	ENSG0000	0.313159	2.662598	2.376137	0.029163	0.0677	-4.1526	2.369288	1.947501	2.248556	2.291228	2.520598	2.288255	2.667326	2.568641	2.697131	2.966925	3.136872	3.093551	3.725018	3.976023	3.898452	3.281432	3.287607	3.215882
GNE	ENSG0000	-0.26775	4.788639	-2.39538	0.028044	0.065687	-4.51727	5.504227	5.531	5.497679	5.28169	5.419464	5.37022	5.071794	5.03875	5.179186	4.667452	4.5846	4.572373	3.95166	4.179969	3.824901	4.519164	4.437531	4.59264
ARHGAP35	ENSG0000	0.241406	6.537573	2.449961	0.025085	0.06014	-4.72283	5.86008	5.827051	5.980067	6.854734	6.872214	6.861952	6.483493	6.297471	6.407834	6.633985	6.708278	6.586809	6.905626	6.799338	6.882672	6.67065	6.670262	6.670052
CALM3	ENSG0000	0.103515	6.837797	2.368109	0.029642	0.068527	-4.95543	7.025253	7.096948	7.025058	5.569568	5.565074	5.640377	7.274724	7.304545	7.264985	7.560431	7.497264	7.587758	6.152952	6.0857	6.061715	7.528795	7.582494	7.526683
DFFA	ENSG0000	-0.3389	6.404298	-8.48469	1.31E-07	4.40E-06	7.512585	6.307745	6.397828	6.252636	5.875441	5.791399	5.894815	5.900984	5.940834	5.980865	7.022485	6.991439	7.003043	6.767493	6.723781	6.646931	6.678179	6.743015	6.686583
CCDC28B	ENSG0000	0.279099	1.73743	1.917587	0.071655	0.137693	-4.74067	1.719036	1.708084	1.853768	1.393812	2.229385	1.669505	1.917967	2.184314	1.445026	2.356666	2.267764	2.25768	2.614772	2.657091	2.661487	2.625227	2.634012	2.442395
IQCC	ENSG0000	-0.21821	1.999695	-1.70844	0.105251	0.185992	-5.15999	2.483604	2.232543	1.954926	2.21912	1.718467	1.575618	1.816207	2.357042	1.727075	3.058725	2.935512	2.826234	2.357702	2.307842	2.34809	2.807136	2.726388	2.830235
TMEM234	ENSG0000	-0.23372	2.961098	-2.26848	0.036232	0.080419	-4.36518	2.996191	2.819419	3.148134	3.342644	3.207016	2.998412	2.545421	2.290412	2.501332	3.385609	3.339557	3.225594	3.663745	3.606961	3.767168	3.324713	3.225651	3.279535
BSDC1	ENSG0000	-0.33913	6.369289	-5.73745	2.17E-05	0.000231	2.288367	6.088617	6.059873	6.036935	5.918767	5.885412	5.930809	5.687041	5.58547	5.616111	6.967291	6.896042	6.866317	7.163787	7.216952	7.138081	6.599304	6.613939	6.722526
ZBTB8A	ENSG0000	0.40074	1.712192	2.762433	0.013075	0.036054	-3.16581	1.430644	1.81559	1.62731	1.888135	2.078331	2.064596	2.446718	2.184314	2.165532	2.204194	2.372288	2.004401	2.343563	2.381211	2.257813	2.095813	2.37332	2.374055
ATAD3B	ENSG0000	-0.01302	6.189707	-0.22159	0.8272	0.881806	-7.41079	5.87482	5.883735	6.089793	5.540275	5.687572	5.418344	6.073542	6.00976	5.872122	6.764964	6.824917	6.920051	6.239488	6.071917	6.163434	6.832335	6.799927	6.731658
SSU72	ENSG0000	0.004683	6.979483	0.12461	0.902254	0.935389	-7.48599	6.835926	6.88602	6.834669	6.875407	6.829982	6.880476	6.984915	6.899082	6.913294	7.138139	7.036541	7.138805	7.151665	7.155542	7.141872	7.102328	7.034072	7.004551
UBE2J2	ENSG0000	-0.01057	5.808566	-0.12475	0.902147	0.935377	-7.35132	5.899743	5.969649	5.988045	5.404628	5.529116	5.522662	5.753932	5.9217	5.970082	5.716254	5.859683	6.025264	5.909553	5.970071	5.875427	6.044073	5.903094	5.769665
ZNF362	ENSG0000	0.098556	3.726087	1.481908	0.15617	0.252391	-5.93214	2.744313	2.784561	2.776595	3.181227	3.295295	3.377995	2.412257	2.650616	2.643847	4.404248	4.540416	4.542892	5.503501	5.359369	5.354615	4.637167	4.683969	4.680149
NR2F6	ENSG0000	-0.01813	5.799069	-0.22794	0.822337	0.878266	-7.32519	5.38573	5.533626	5.549817	5.72735	5.806499	5.602196	5.32896	5.259465	5.07736	5.865123	5.95393	6.113142	6.375122	6.46157	6.505013	6.295367	6.113007	5.927013
ANKLE1	ENSG0000	-0.18184	-0.03976	-0.72108	0.480398	0.599361	-5.89771	0.503316	0.736739	0.323815	0.52061	0.512209	0.909432	0.886508	0.824004	0.39151	1.865926	1.752042	1.915176	1.621093	1.282615	1.355599	1.708352	1.289746	1.58715
CCDC58	ENSG0000	-0.33226	4.570338	-4.70266	0.000191	0.00126	0.326586	5.173901	5.151261	5.075454	3.988393	4.1957	3.97338	4.528631	4.62424	4.542164	5.026968	4.995233	4.959141	4.249584	4.089828	4.302347	4.808549	4.829917	4.902646
VMA21	ENSG0000	0.260745	6.429427	4.696953	0.000193	0.00127	0.077031	6.733361	6.727583	6.672095	6.504656	6.436573	6.549545	6.870582	6.964651	6.85441	6.014459	6.014403	6.065214	6.190958	6.186363	6.173346	6.330827	6.326052	6.431707
KALRN	ENSG0000	-0.24493	1.926215	-1.92846	0.070202	0.13545	-5.16032	1.010037	0.661886	0.829201	0.841981	1.006428	1.250575	0.415731	0.622068	0.256032	4.842324	4.793538	4.806238	4.397206	4.429515	4.364231	4.640597	4.559742	4.75819
CILP2	ENSG0000	0.662672	1.49962	5.559513	3.13E-05	0.000307	2.520859	1.069823	0.582935	1.028027	1.393812	1.087782	0.984419	0.983587	1.082132	1.0941	2.635389	2.817048	2.974933	3.332595	3.410675	3.147195	3.462853	3.494411	3.352387
FAM86C2P	ENSG0000	0.099781	3.205878	1.060338	0.303425	0.422664	-6.29427	2.9807	2.870177	2.469799	3.06262	2.881616	2.980206	2.724622	2.389238	2.440135	3.812196	3.872445	3.900773	4.002038	4.022628	4.109334	4.098126	4.023613	4.122853
ABCG1	ENSG0000	0.218604	1.666737	0.357912	0.724695	0.804821	-5.97695	5.316463	5.39028	5.378308	5.004446	5.305047	5.118843	5.760796	5.506949	5.686969	0.54782	0.106501	0.54756	0.907968	0.837535	1.002253	0.183756	0.433238	0.106501
RSPH1	ENSG0000	-0.2396	-0.27868	-0.68666	0.501308	0.617873	-5.86081	0.41387	0.875715	0.106501	0.635873	0.828511	0.909432	0.106501	0.253663	0.256032	1.704765	1.369793	1.333627	2.683738	2.657091	2.99902	1.419885	1.645686	1.222783
SLC37A1	ENSG0000	0.217575	4.77587	1.258667	0.224704	0.334706	-6.43735	4.532747	4.429669	4.59048	3.77864	3.832443	3.632327	3.953155	3.619579	4.112876	5.180457	5.142905	5.267448	5.983222	5.879602	5.979365	5.744367	5.701643	5.742817
PDE9A	ENSG0000	0.130196	1.010485	0.826878	0.419452	0.541049	-5.96209	1.475543	1.744817	1.499186	1.393812	1.307481	1.250575	1.70672	1.491012	1.50602	2.056133	1.922393	1.986992	1.121891	1.282615	1.17005	2.055273	2.354144	2.003758
WDR4	ENSG0000	0.210652	4.973484	3.735274	0.001581	0.00673	-1.88536	4.798758	4.751848	4.73022	4.062381	4.040879	4.30129	5.043928	5.150979	4.983968	5.643993	5.469823	5.55273	5.071159	4.859959	4.842308	5.761793	5.615689	5.740557
NDUFV3	ENSG0000	-0.11667	5.641005	-1.88244	0.076534	0.145207	-5.64138	5.682365	5.747832	5.727119	5.475981	5.387689	5.234723	5.494585	5.25073	5.537947	5.884069	5.818649	5.95761	5.733698	5.731404	5.709941	5.964211	5.795257	5.942826
PKNOX1	ENSG0000	0.391025	4.528551	5.878791	1.63E-05	0.000187	2.8228	3.84498	4.12286	3.906009	4.161901	4.392653	4.249025	4.591583	4.576102	4.556652	4.789709	4.919631	4.788762	4.86637	4.859959	4.836082	5.102661	5.02441	5.105943
CBS	ENSG0000	-0.04571	2.593302	-0.43552	0.668513	0.761639	-6.76641	2.589523	2.152784	1.954926	1.457877	1.373859	1.575618	2.340763	1.988058	1.826075	4.043261	3.860515	3.95997	3.658044	3.666873	3.68641	4.026533	3.757829	4.073428
HSF2BP	ENSG0000	-0.39628	0.999277	-1.67882	0.110976	0.193775	-4.88291	2.668993	2.61635	2.109199	1.256461	1.373859	1.714252	1.648695	1.760835	2.127218	1.239286	1.588084	1.333627	1.186687	1.528499	1.046067	1.419885	1.513652	1.273688
RRP1B	ENSG0000	-0.47313	7.052873	-8.57558	1.13E-07	3.94E-06	7.630691	7.735881	7.780633	7.740813	6.94272	7.042579	6.961592	7.146943	7.249704	7.050138	7.228008	7.220473	7.268748	6.4001	6.392273	6.316627	6.923841	6.858936	6.902109
PDXK	ENSG0000	-0.16423	7.563173	-2.66093	0.016193	0.042599	-4.40331	7.656456	7.659607	7.647558	7.778367	7.86196	7.771061	7.289039	7.238702	7.281434	7.521635	7.476895	7.499965	7.6992	7.628749	7.674922	7.55129	7.527388	7.51549
G6PD	ENSG0000	-0.15749	9.765939	-1.33863	0.197846	0.302319	-6.76027	10.67737	10.6769	10.70963	10.86867	10.97906	10.81705	10.60128	10.54041	10.60908	9.145797	9.003093	9.171186	8.531101	8.408812	8.42941	8.916339	8.853353	8.886982
CSTB	ENSG0000	-0.13782	7.572804	-1.57464	0.133267	0.223125	-6.31716	7.656456	7.700503	7.725385	7.851739	7.832021	7.768411	7.333456	7.346145	7.459675	7.544144	7.589595	7.669831	7.419802	7.357659	7.335271	7.666375	7.618096	7.577584
RRP1	ENSG0000	-0.28512	6.153324	-4.27502	0.000484	0.002627	-0.84407	6.224702	6.205343	6.301474	5.499001	5.803491	5.59324	5.683433	5.758745	5.782514	6.673544	6.602121	6.820981	6.162044	6.217998	6.117969	6.62723	6.618969	6.455328
AGPAT3	ENSG0000	-0.01184	6.831107	-0.21804	0.829923	0.883781	-7.44581	7.000504	7.073675	7.177613	7.063459	7.025904	6.933481	6.979041	6.882213	6.941169	6.60763	6.634008	6.738857	6.685091	6.52668	6.602688	6.831585	6.764053	6.729381
TRAPPC10	ENSG0000	-0.15142	5.266715	-2.8951	0.009859	0.02878	-3.69008	4.871956	5.003727	5.082923	4.921675	4.854473	4.956049	4.6145	4.796183	4.633836	5.832982	5.792202	5.834045	5.730985	5.694099	5.654408	5.789862	5.716735	5.742817
GAB3	ENSG0000	-0.43612	0.420122	-1.97863	0.063837	0.125668	-4.34052	1.519087	1.670392	1.499186	1.393812	1.087782	1.623325	1.240874	1.549165	1.244857	1.278001	1.588084	1.538714	0.701742	0.888753	0.651457	1.017342	1.16325	1.322858
GATD3A	ENSG0000	-0.02386	-0.42745	-0.1147	0.90999	0.94066	-6.35256	0.216396	0.215206	0.219246	0.258133	0.106501	0.2349	0.415731	0.253663	0.106501	2.263275	2.320972	2.286428	2.749557	2.756951	2.661487	2.384669	2.447571	1.81044
CFAP410	ENSG0000	-0.34967	2.914503	-2.74054	0.013694	0.037358	-3.37009	3.27548	3.417081	3.726899	3.533117	3.759832	3.472196	3.238915	3.415864	3.181386	2.749986	2.766797	2.786535	3.288992	3.223865	3.053703	2.35157	2.465551	2.277588
ZNF66	ENSG0000	-0.09358	0.201382	-0.41184	0.685462	0.774905	-6.46217	0.216396	0.316291	0.598525	0.106501	0.106501	0.563119	0.670238	0.253663	0.629397	2.790717	3.065914	2.87437	2.83289	2.797719	2.942182	2.819293	2.841019	2.549558
LRRC3	ENSG0000	0.173848	1.350921	1.065893	0.300975	0.419965	-5.80259	1.642349	0.940485	1.499186	1.634586	1.666451	1.799787	1.317361	1.15884	0.925731	2.100009	2.23117	1.986992	2.738794	2.517623	2.647333	2.35157	2.429363	2.419973
ITGB2	ENSG0000	0.232626	2.878541	2.613288	0.01789	0.045995	-4.00925	2.021155	2.09705	2.248556	1.393812	1.556428	1.575618	1.588238	2.069791	1.564539	4.678347	4.672521	4.735026	3.918659	3.940055	4.040604	5.012893	5.146465	4.882289
FAM207A	ENSG0000	-0.08607	5.161462	-0.90365	0.378469	0.50056	-6.84492	5.451823	5.474709	5.469462	4.562385	4.819175	4.627987	5.30568	5.127313	5.269907	5.107097	5.40559	5.513751	5.096674	5.141762	5.173877	5.490603	5.415183	5.207621
RALGDS	ENSG0000	-0.16381	5.37779	-2.58546	0.018959	0.048211	-4.3157	5.149863	5.084762	5.075454	5.185634	5.104628	5.122998	4.812472	4.637703	4.626988	5.808398	5.71148	5.692199	6.17308	6.053799	6.089462	5.731559	5.731671	5.680517
FTCD	ENSG0000	0.218568	0.41445	1.513531	0.148018	0.242129	-5.42639	0.216396	0.316291	0.219246	0.52061	0.730585	0.3528	0.269385	0.106501	0.256032	3.047564	3.034402	2.893183	3.789021	3.779712	3.713835	3.26375	3.171908	3.267027
SPATC1L	ENSG0000	0.036315	3.278882	0.332865	0.743195	0.819245	-6.74517	3.498536	3.557914	3.55495	3.21869	3.34578	3.136338	3.094248	3.26787	3.389938	3.294134	3.287042	3.489405	3.617489	3.436722	3.707028	3.574643	3.743163	3.455199
LSS	ENSG0000	0.274416	4.824762	2.261469	0.036743	0.08135	-4.78859	4.785446	4.843609	4.657046	4.851861	5.059965	4.942007	5.286782	5.028565	5.136423	4.373294	4.602618	4.441093	5.22369	5.329559	5.292308	4.733454	4.637141	4.572451
VAV2	ENSG0000	0.451804	6.072521	3.826864	0.001293	0.005748	-1.80975	5.460225	5.639833	5.615668	5.778422	5.907988	5.770552	5.531176	5.21525	5.519576	6.166639	6.103144	6.146848	6.712856	6.67902	6.659327	6.98919	6.930267	6.90413
MCM3AP	ENSG0000	-0.14095	6.640355	-3.51584	0.00256	0.009881	-2.53059	6.395059	6.403582	6.380882	6.775246	6.812138	6.833078	6.325801	6.335147	6.280514	6.769217	6.814905	6.805547	7.055731	6.957629	7.035171	6.634128	6.657609	6.52658
C21orf58	ENSG0000	0.058398	1.899542	0.261847	0.7965	0.85885	-6.45342	1.719036	1.81559	2.248556	2.325974	2.299368	2.288255	2.102195	2.184314	1.620777	2.679436	2.727926	2.766268	1.733794	2.016959	1.970087	2.666185	2.741225	2.912845
PCNT	ENSG0000	0.141645	4.572036	1.313209	0.206093	0.312407	-6.26221	4.2778	4.34846	4.509652	4.654117	4.56592	4.849758	4.772276	4.790167	4.878354	4.703453	4.984279	4.72456	4.43437	4.372183	4.398437	4.650836	4.776901	4.72199
DIP2A	ENSG0000	0.085033	4.801395	1.749263	0.097783	0.175748	-5.68146	4.780982	4.787496	4.781616	4.87551	5.003429	4.809079	4.883375	4.80814	4.90124	4.867929	4.81224	4.711369	4.853955	4.931925	4.944238	4.956223	4.773297	4.890466
PRMT2	ENSG0000	-0.08497	5.805407	-1.01982	0.321722	0.441368	-6.80472	5.772833	5.837717	5.783216	5.872506	5.8095	5.783733	5.628203	5.721295	5.706591	5.745902	5.727989	5.693541	6.354118	6.219249	6.323319	5.65393	5.739082	5.605504
CLDND2	ENSG0000	-0.45404	-0.09317	-1.54395	0.140513	0.232388	-4.88922	1.561356	1.465573	1.54317	1.022291	0.92021	0.984419	1.317361	1.491012	1.826075	1.028404	1.029669	0.993481	0.745413	0.416769	0.593579	0.393424	0.504542	1.115245
ADAMTS13	ENSG0000	-0.80832	2.347291	-6.165	9.18E-06	0.00012	3.743886	3.487617	3.347134	3.489013	3.020814	3.260629	3.136338	2.303642	2.676938	3.023464	2.263275	2.388995	2.369387	2.491955	2.416542	2.365487	1.809319	1.707432	1.910335
CACFD1	ENSG0000	0.664211	3.929691	6.69003	3.29E-06	5.41E-05	4.572802	2.850396	2.470453	2.966237	4.112999	4.284653	4.279122	3.761137	3.761625	3.844255	3.980092	3.936355	3.891447	5.244764	5.162721	5.076884	4.382472	4.428393	4.261717
SLC2A6	ENSG0000	-0.23058	3.025528	-0.98225	0.339381	0.460413	-6.10887	3.967917	3.896716	4.174224	4.236852	4.167908	4.036412	3.219115	2.938616	3.421943	1.814181	2.320972	2.422156	3.157774	2.950162	3.064395	2.744769	2.921385	2.549558
ZNF761	ENSG0000	0.265416	4.829475	4.129362	0.000665	0.003368	-0.98765	4.10996	4.150501	4.222364	4.342447	4.030628	4.506036	4.235306	4.273815	4.296723	5.499947	5.40559	5.265644	5.55042	5.472807	5.473701	5.652232	5.651473	5.815479
C9orf116	ENSG0000	0.761094	2.744188	2.787519	0.012398	0.034579	-3.21593	2.416107	2.356396	2.5366	3.944346	3.6964	3.405543	4.068294	3.550079	3.867685	2.243849	2.267764	2.314614	3.409264	3.428092	3.486261	2.417026	1.956613	2.252429
LCN1	ENSG0000	1.908076	0.285398	5.304081	5.32E-05	0.000462	1.99288	4.117062	4.080378	4.242513	5.573188	5.754503	5.59324	6.100847	5.891111	6.236199	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
ZNF714	ENSG0000	-0.27997	3.277564	-1.82334	0.085401	0.15787	-5.33254	3.19722	3.042358	2.933559	2.103714	2.299368	2.402038	3.238915	3.384264	3.124172	4.247262	4.097507	4.178935	4.080861	4.190213	4.165038	3.658228	3.955266	3.669942
GPSM1	ENSG0000	-0.02811	4.932721	-0.23981	0.813265	0.87191	-7.10879	5.146396	5.044814	5.144898	5.521661	5.745129	5.578188	4.681143	4.547856	4.620106	4.364327	4.483212	4.578198	5.287859	5.23377	5.243746	4.939614	4.83684	4.689552
C19orf47	ENSG0000	-0.06991	4.113531	-0.99203	0.33472	0.455254	-6.61091	3.530804	3.35903	3.500214	3.503067	3.602632	3.349911	3.555458	3.646467	3.641718	5.004057	5.035583	5.212332	4.718081	4.66441	4.599282	5.004933	4.910886	4.890466
TOR2A	ENSG0000	0.403042	3.658937	3.265464	0.004428	0.015285	-2.60145	2.707144	2.55562	2.621113	3.977507	3.901574	3.535905	2.957542	3.002451	2.869505	4.125171	4.205202	4.224215	4.645023	4.608219	4.62479	4.644018	4.641102	4.394143
ST6GALNA	ENSG0000	-0.03226	3.766682	-0.33204	0.743804	0.819779	-6.78868	3.895419	3.568199	3.792147	4.472198	4.770725	4.420855	3.853933	3.685883	3.498982	3.702624	3.562131	3.476988	4.183649	4.089828	4.093761	3.678389	3.458949	3.56145
SHKBP1	ENSG0000	-0.09622	5.998522	-1.39943	0.179182	0.280542	-6.39025	5.862195	5.841962	5.876425	5.977316	6.180215	5.984314	5.631951	5.609584	5.619566	6.024455	5.92128	5.99945	6.642416	6.616776	6.626333	5.975118	6.078372	5.930982
RDH13	ENSG0000	-0.20496	3.800879	-2.06111	0.054492	0.110908	-5.01967	3.747663	3.472886	3.443319	3.325575	3.630051	3.459109	3.19904	3.063581	3.236418	4.68916	4.630987	4.557708	4.323482	3.90938	4.21867	4.507942	4.504286	4.494122
ZER1	ENSG0000	0.422276	5.636641	9.495762	2.57E-08	1.33E-06	9.27118	4.880328	4.57954	4.671981	5.626427	5.637789	5.605169	5.218618	5.122533	5.067277	5.723285	5.736174	5.682768	6.763516	6.714052	6.661089	6.104924	6.160693	6.092105
ZDHHC12	ENSG0000	-0.02798	5.642911	-0.28287	0.780596	0.846443	-7.27242	5.078891	5.208268	5.217952	6.012406	6.054313	5.902086	5.319693	5.141559	5.197793	5.798445	5.827869	5.970954	6.126359	5.989265	5.947952	5.814363	5.818179	5.694596
PKN3	ENSG0000	0.169603	3.138449	1.576346	0.132873	0.222557	-5.50845	3.710582	3.838426	4.042515	3.162124	3.772191	3.18484	4.023335	4.070428	4.207726	2.906434	2.924094	3.035461	2.479079	2.642244	2.574402	3.133504	2.895091	3.006111
SPTBN4	ENSG0000	-0.09232	0.188022	-0.36953	0.71617	0.799045	-6.02146	0.947665	1.226787	1.256574	0.52061	1.612488	1.123626	1.074544	1.001115	1.38134	1.239286	1.300837	1.387696	0.907968	0.784432	1.17005	1.13872	1.2488	1.222783
BRSK1	ENSG0000	0.049871	1.835253	0.478935	0.637922	0.736179	-6.35287	1.791852	1.591918	1.954926	2.063099	1.718467	2.164723	1.917967	1.901414	1.777424	2.392392	2.618839	2.53427	2.51737	2.700737	2.661487	2.494877	2.568968	2.507643
COX6B2	ENSG0000	-0.29591	-0.59108	-1.5967	0.128254	0.21677	-5.06168	0.41387	0.215206	0.219246	0.106501	0.25478	0.2349	0.269385	0.387194	0.39151	2.392392	2.193623	2.183199	1.498836	1.282615	1.639204	1.833493	1.851139	1.973284
TAOK1	ENSG0000	0.113317	7.183626	1.924157	0.070774	0.13635	-5.72489	7.310354	7.398708	7.38368	7.626366	7.60473	7.780298	7.563824	7.587262	7.520065	6.827473	6.99758	6.723171	6.827775	6.851098	6.852916	6.840559	6.840969	6.958621
MED27	ENSG0000	-0.34934	5.214352	-5.98578	1.31E-05	0.000158	2.935484	5.628712	5.557053	5.555197	4.555081	4.819175	4.656929	5.060712	5.197177	5.131593	5.726788	5.599299	5.667823	5.060393	5.060335	5.097852	5.299906	5.456227	5.461988
DEDD2	ENSG0000	0.241468	5.029745	2.635022	0.017096	0.04441	-4.19871	3.792713	4.014214	3.955676	4.517996	4.648682	4.696497	4.264577	4.147745	4.042563	5.847534	5.800031	5.894818	5.96602	5.86369	5.824445	6.082404	6.111581	6.034234
SIK3	ENSG0000	-0.01805	5.468274	-0.35958	0.723468	0.803972	-7.23104	5.194191	5.250391	5.37527	5.363409	5.292232	5.522662	5.414148	5.263813	5.291723	5.655065	5.713139	5.568909	5.858265	5.727893	5.800662	5.584404	5.597458	5.560088
MPZL3	ENSG0000	-0.19092	3.794952	-2.68792	0.015301	0.040743	-3.99354	2.568952	2.534795	2.900124	2.291228	2.229385	2.288255	1.917967	2.357042	2.202855	5.56792	5.581239	5.582013	5.699414	5.67599	5.784586	5.488702	5.334317	5.526375
NEK8	ENSG0000	-0.30031	2.661884	-2.9387	0.00898	0.02666	-2.97131	2.933205	2.748839	3.090013	3.123142	2.835252	2.885561	2.607661	2.801791	2.530983	2.906434	2.841532	2.87437	3.296351	3.213858	3.317756	2.625227	2.696248	2.570068
TLCD1	ENSG0000	0.100839	4.205881	0.832166	0.416541	0.538513	-6.61509	3.928091	3.888531	4.145977	4.910272	4.987618	5.118843	3.853933	3.698786	3.746538	3.944434	3.936355	4.03812	4.701546	4.627193	4.885155	4.365992	4.304002	4.108904
PCSK7	ENSG0000	0.187371	5.278347	2.819378	0.011587	0.032685	-3.8767	4.152058	3.7953	3.65856	4.479932	4.529983	4.598452	4.402637	4.247712	4.33084	6.22105	6.357747	6.237053	6.668881	6.56851	6.568357	6.328703	6.37919	6.387612
SAFB	ENSG0000	-0.00204	6.639436	-0.04262	0.96649	0.978165	-7.4691	6.563094	6.548276	6.65591	6.333788	6.438513	6.354858	6.597155	6.609051	6.719273	6.885036	6.928547	7.028261	6.519674	6.434896	6.471263	6.936453	6.916443	6.84013
CHTOP	ENSG0000	-0.14458	7.295486	-3.76545	0.001479	0.006384	-2.05337	7.57949	7.600707	7.630457	7.213657	7.207502	7.159629	7.535085	7.417154	7.440273	7.369171	7.296053	7.295511	7.088953	7.061024	7.071401	7.11286	7.207028	7.204729
ZBTB7B	ENSG0000	-0.15316	6.765604	-2.92815	0.009185	0.027171	-3.78001	6.953666	7.07638	7.136032	7.139902	7.29361	7.171712	7.005289	6.785736	6.868995	6.579816	6.549218	6.591856	6.57745	6.51654	6.47327	6.430279	6.46325	6.419044
FLAD1	ENSG0000	-0.04749	6.488792	-0.86606	0.39819	0.519714	-7.05039	6.209831	6.141345	6.229267	6.502759	6.713055	6.584614	6.037254	6.017505	6.01011	6.687093	6.537089	6.64138	7.010584	6.847057	6.94692	6.679013	6.672199	6.635195
SHC1	ENSG0000	0.335197	8.4927	3.975959	0.000931	0.004418	-1.63656	9.326739	9.294484	9.336438	9.825216	9.933216	9.829555	9.569919	9.590092	9.56208	7.245817	7.267537	7.202413	7.341929	7.314412	7.330296	7.673926	7.662129	7.660614
VPS11	ENSG0000	-0.19314	5.247547	-3.72595	0.001614	0.006826	-1.90998	4.707601	4.658672	4.696533	5.025739	5.084948	5.00189	4.751751	4.474723	4.626988	5.861941	5.876072	5.846165	5.899924	5.926312	5.933444	5.65393	5.554003	5.62033
NLRX1	ENSG0000	-0.35311	4.425934	-4.13018	0.000664	0.003364	-0.80432	5.214199	5.08834	5.148462	4.784753	4.939117	4.98829	4.504297	4.55497	4.592248	4.19764	4.132653	4.178935	4.046359	4.200384	4.062102	4.072963	4.011424	4.223386
ADAR	ENSG0000	0.178503	9.488446	3.121429	0.006056	0.01967	-3.59754	9.012717	9.026826	8.999655	9.295357	9.312848	9.308822	9.121804	9.146077	9.094729	9.789209	9.784253	9.710333	9.737415	9.753477	9.746974	9.995795	9.983672	10.01055
IL6R	ENSG0000	0.335624	5.315508	3.166842	0.005488	0.018131	-3.01004	6.27001	6.065329	6.181361	6.400512	6.293865	6.289823	6.729006	6.745885	6.71605	4.417313	4.517806	4.542892	3.942308	4.084346	4.051393	4.489042	4.38181	4.428245
UBE2Q1	ENSG0000	0.115531	7.64852	2.133228	0.047357	0.099323	-5.41456	7.631254	7.674558	7.621509	7.670126	7.666446	7.661075	7.968431	7.920368	7.962981	7.615319	7.537159	7.628326	7.528084	7.541924	7.586353	7.5371	7.52471	7.53192
CRTC2	ENSG0000	-0.01735	6.021257	-0.25829	0.799201	0.860655	-7.35949	5.987614	5.863	5.955863	5.573188	5.687572	5.677574	6.153955	5.899518	6.033605	6.306629	6.196265	6.251706	6.25751	6.211726	6.26426	6.131979	6.214848	6.130587
ANO10	ENSG0000	-0.06676	4.545387	-0.69864	0.493968	0.611099	-6.80236	4.538049	4.511888	4.611291	5.384166	5.180767	5.1639	4.479546	4.819999	4.700591	4.412971	4.435757	4.453822	4.515435	4.505315	4.635585	4.185243	4.195062	4.242679
FDPS	ENSG0000	-0.31277	7.171215	-3.78655	0.001412	0.006158	-1.99228	7.805126	7.800398	7.788988	7.029605	7.062841	6.983465	7.544065	7.582048	7.490186	7.170652	7.060204	7.119961	6.891725	6.785047	6.878134	6.732219	6.774909	6.774264
RUSC1	ENSG0000	-0.15276	6.466363	-3.56636	0.002292	0.009009	-2.39378	6.796655	6.76718	6.843491	6.803259	6.822574	6.712811	6.642458	6.725538	6.668483	6.388521	6.242964	6.389758	6.15902	6.116912	6.142143	6.153743	6.210856	6.116712
GBAP1	ENSG0000	0.412565	1.628023	2.998431	0.007899	0.024048	-2.64454	1.755904	1.708084	1.818408	2.605941	1.953662	2.374422	2.144798	1.901414	2.005764	1.616888	1.875739	1.839597	2.25569	2.269709	2.465679	1.903678	2.233409	2.226823
FAM189B	ENSG0000	0.22992	5.804019	3.101162	0.006327	0.020302	-3.28714	6.053879	6.113526	6.135406	6.340176	6.371051	6.333504	6.307166	6.104921	6.282695	5.203266	5.344801	5.37006	5.408221	5.329559	5.41643	5.827964	5.619709	5.408895
PAQR6	ENSG0000	-0.33864	2.093862	-2.42084	0.026625	0.06312	-3.80988	2.080492	2.125186	2.399755	3.123142	3.207016	3.103073	2.058296	2.108984	2.165532	2.461296	2.355385	2.213454	2.749557	2.596763	3.032078	1.903678	1.930959	1.973284
PMF1	ENSG0000	0.040862	4.229329	0.595273	0.55929	0.669466	-6.85585	4.345883	4.281283	4.145977	4.171485	4.231942	4.170914	4.31208	4.405576	4.505294	4.386642	4.309807	4.286022	4.386902	4.358622	4.381435	4.271827	4.451131	4.122853
SLC25A44	ENSG0000	-0.06773	6.864707	-1.49568	0.152576	0.247848	-6.37794	6.450932	6.400708	6.437331	6.692786	6.555743	6.742819	6.477256	6.450256	6.550385	7.309104	7.25961	7.226257	7.317723	7.260745	7.370162	7.127599	7.060931	7.110736
LMNA	ENSG0000	-0.25798	9.554806	-2.07126	0.053433	0.109266	-5.65995	9.828584	9.807152	9.894639	9.020992	9.233791	8.958622	9.162868	9.133658	9.142634	9.66554	9.61716	9.749011	9.830252	9.796858	9.767158	9.855738	9.827327	9.731103
NBEAL2	ENSG0000	0.181147	6.004105	1.193969	0.248444	0.362374	-6.65692	6.145295	6.015467	6.210636	5.629907	5.794432	5.66623	6.084526	5.988901	6.143263	5.698525	5.89081	5.580563	6.554616	6.348353	6.49022	6.108643	6.104426	6.041596

CCDC12	ENSG0000	-0.17929	4.981794	-2.52165	0.021643	0.053489	-4.38193	5.053202	5.033724	5.002498	4.517996	4.675247	4.454215	4.974767	4.819999	4.951444	5.471	5.191334	5.406528	5.22369	5.206274	5.068941	5.085149	5.146465	5.239981
UBQLN4	ENSG0000	-0.14307	7.070738	-1.46364	0.161045	0.258495	-6.44464	6.634125	6.661876	6.659661	6.850266	6.96799	6.921604	6.335028	6.225736	6.206646	7.625206	7.553924	7.590642	7.539758	7.413921	7.440079	7.625856	7.599388	7.633465
PPP1R35	ENSG0000	-0.06377	3.901723	-0.58018	0.569199	0.678191	-6.8129	3.936145	4.14364	4.320409	3.51817	3.670226	3.59692	3.733489	3.913244	3.655245	4.003384	4.223947	4.116262	4.179675	4.215509	4.109334	4.293774	4.405289	3.961444
GPATCH4	ENSG0000	-0.02435	7.528026	-0.65101	0.52351	0.637259	-7.31774	7.742785	7.692298	7.745527	7.413673	7.433427	7.532667	7.679726	7.659166	7.779838	7.52516	7.442295	7.50456	7.382255	7.351967	7.371239	7.444486	7.447087	7.502211
AZGP1	ENSG0000	-0.41263	0.363	-3.95706	0.000971	0.004576	-1.19026	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	5.346754	5.203192	5.443693	3.778549	3.846002	3.933868	4.969919	4.83684	4.882289
FGFR4	ENSG0000	0.239237	2.725467	2.143437	0.046419	0.09781	-4.51296	2.850396	2.655462	2.966237	2.887595	3.31232	3.069023	3.072345	3.285084	2.959482	2.843296	2.829342	2.786535	3.039964	2.863205	2.604018	3.043104	3.022017	2.778299
NACC1	ENSG0000	-0.19463	7.153232	-2.82404	0.011472	0.032427	-4.05852	7.350079	7.422286	7.468102	6.694449	6.828503	6.60109	7.046599	6.941768	7.01122	7.392514	7.350914	7.489185	7.100034	6.975507	7.06742	7.474582	7.457793	7.277465
LY6K	ENSG0000	-0.18063	6.012126	-1.02974	0.317173	0.436979	-6.90532	5.899743	5.946183	5.861303	3.921807	3.956756	3.868406	5.32896	5.323347	5.404147	7.050009	7.050392	7.242395	6.781983	6.847057	6.906637	7.221618	7.137231	7.062697
IER2	ENSG0000	-0.04107	6.474344	-0.41702	0.681744	0.771744	-7.34759	6.834849	6.803545	6.920549	6.23212	6.265735	6.213949	6.744671	6.730259	6.871895	6.254195	6.291534	6.498188	6.375122	6.386716	6.405507	6.465512	6.367284	6.18146
ZNF394	ENSG0000	0.099526	4.281023	1.343753	0.196214	0.300503	-6.18124	3.85351	3.812706	3.854572	3.827958	4.071202	4.138446	4.045989	4.119235	4.073118	4.73162	4.570022	4.491347	4.998573	4.997558	5.009321	4.54867	4.706825	4.607598
CPSF4	ENSG0000	-0.11245	5.730263	-1.7013	0.106608	0.18797	-5.95241	6.077737	5.973524	6.108212	5.180897	5.300788	5.227023	5.866398	5.78015	5.646906	5.97524	5.898124	6.063138	5.642804	5.419382	5.467673	6.024518	5.991068	6.013792
LY6E	ENSG0000	0.455822	8.289174	8.31141	1.76E-07	5.60E-06	7.064466	6.581182	6.52074	6.648378	6.868058	7.060324	6.881703	6.864222	6.821569	6.910477	9.522731	9.543404	9.569862	9.752793	9.757143	9.752459	10.09748	10.1241	10.06508
VPS28	ENSG0000	-0.05782	6.612204	-1.33994	0.197427	0.301938	-6.54636	6.528888	6.43483	6.562826	6.79243	6.813633	6.725162	6.564183	6.455968	6.539485	6.684393	6.500079	6.687915	6.844815	6.863953	6.762242	6.496124	6.543738	6.493409
TONSL	ENSG0000	-0.07941	4.853237	-0.59546	0.559171	0.669379	-7.10453	4.321496	4.366251	4.382257	3.933121	3.978251	3.907468	4.057185	4.019913	4.322386	6.095267	6.227952	6.300088	4.761267	4.756906	4.508238	6.281155	6.178517	6.048921
PWWP3A	ENSG0000	-0.06541	5.126282	-0.82176	0.422285	0.54385	-6.91149	4.381709	4.197635	4.458888	5.041505	4.928114	4.997371	4.111894	4.184903	4.355908	5.730282	5.801592	5.818136	6.054396	5.91709	5.940717	5.734772	5.762906	5.708538
RECQL4	ENSG0000	-0.06172	4.862617	-0.33948	0.738294	0.815663	-7.22074	4.640181	4.584615	4.662041	4.122913	4.301803	4.226032	4.420085	4.68386	4.626988	6.088476	6.106936	6.135041	4.110387	3.799921	4.01878	6.072282	6.063691	5.91704
LRRC14	ENSG0000	-0.02593	5.66252	-0.41759	0.681329	0.771335	-7.24944	5.32875	5.10962	5.313116	5.483695	5.557954	5.596232	5.401027	5.043815	5.252213	6.028718	6.017092	6.102067	6.04022	6.097994	6.051003	6.068467	6.024808	5.950669
ZNF333	ENSG0000	-0.00783	2.67078	-0.07923	0.937753	0.960133	-6.57189	2.688195	2.836538	3.06005	3.255206	3.260629	3.391835	2.779728	2.938616	2.915195	2.708071	2.741	2.546206	2.968056	3.088026	2.942182	2.432936	2.649824	2.84714
COL26A1	ENSG0000	1.048314	-0.6246	2.368559	0.029615	0.068487	-3.5087	1.519087	1.915637	1.453818	2.605941	2.85862	2.532704	2.01302	1.988058	2.047395	0.269074	0.106501	0.106501	0.352262	0.190544	0.335616	0.257084	0.433238	0.580851
PPP1R16A	ENSG0000	0.1854	5.732141	2.076322	0.052911	0.108448	-5.32485	4.785446	4.729112	4.938064	5.626427	5.671168	5.484421	4.673889	4.467202	4.849226	6.037207	6.178356	6.279679	6.898995	6.851905	6.820957	6.612462	6.52135	6.339143
ORAI2	ENSG0000	0.022328	5.527879	0.164021	0.871596	0.913813	-7.2829	4.553837	4.527784	4.498524	5.952514	6.00018	5.870309	4.254886	4.397684	4.189248	5.936438	5.941242	5.976478	6.672421	6.610115	6.615468	6.14773	6.100116	5.948712
ALKBH4	ENSG0000	0.192059	4.080401	2.332304	0.03187	0.072628	-4.53349	3.903656	4.073175	3.914407	4.072648	4.020303	3.797394	4.402637	4.405576	4.3476	4.109157	4.209911	4.29666	4.195506	4.264807	4.293286	4.349322	4.200441	4.143528
SH2B2	ENSG0000	0.650477	1.906955	2.703824	0.014797	0.039645	-3.23739	1.602421	1.708084	1.853768	3.20008	3.34578	3.200652	2.480375	2.069791	2.127218	1.616888	1.827525	2.104662	2.28558	2.148862	2.633039	2.524879	2.233409	2.119598
MRNIP	ENSG0000	-0.27519	4.114098	-2.37536	0.029209	0.067778	-4.46682	4.131163	4.136747	4.02711	3.875646	3.560502	3.936085	3.866715	3.633086	3.990155	4.447347	4.506366	4.352105	4.922141	4.78759	4.851597	4.103106	4.232297	4.249053
SQSTM1	ENSG0000	-0.39748	10.29727	-7.09016	1.55E-06	3.03E-05	4.770558	11.59513	11.58387	11.58755	11.10059	11.13933	11.03838	11.38757	11.33743	11.3614	9.744552	9.55756	9.751027	8.997717	8.945016	8.992894	9.11324	9.071021	9.074514
MGAT4B	ENSG0000	0.471365	7.695813	8.040198	2.81E-07	7.81E-06	6.670777	7.764997	7.830081	7.875937	8.25085	8.36509	8.216269	8.27989	8.256095	8.280258	6.821752	6.818764	6.929195	7.663364	7.658106	7.612087	7.413248	7.384081	7.242753
RPL8	ENSG0000	0.078201	10.11729	1.095777	0.288046	0.406202	-7.11618	10.20687	10.18297	10.23519	9.06633	9.295828	9.109412	10.25457	10.19509	10.27445	10.53803	10.47396	10.50864	9.92469	10.03198	9.960667	10.59833	10.66169	10.61817
MAML1	ENSG0000	-0.0458	6.460587	-1.34455	0.19596	0.300288	-6.54332	6.203172	6.307097	6.277261	6.120268	6.205497	6.108942	6.239981	6.194191	6.289216	6.821752	6.811811	6.764628	6.700428	6.672641	6.680332	6.777315	6.765868	6.658128
LRWD1	ENSG0000	-0.07355	5.509003	-1.06078	0.30323	0.42251	-6.7463	5.449012	5.569905	5.724733	4.982834	5.317749	5.167927	5.383345	5.360361	5.470686	5.666054	5.691415	5.865347	5.695244	5.640943	5.536486	5.833967	5.753789	5.642288
FBXL13	ENSG0000	0.342186	3.32673	3.631502	0.001986	0.008045	-1.75259	3.142584	3.169391	3.270929	3.162124	2.85862	2.629332	3.676552	3.736817	3.498982	3.637124	3.695711	3.663876	3.569701	3.606961	3.494191	3.934535	4.088867	3.679412
NAPEPLD	ENSG0000	0.095761	3.819743	1.269664	0.220849	0.33052	-6.11618	3.613482	3.439663	3.24453	4.052041	4.139571	4.249025	3.507292	3.415864	3.421943	3.980092	3.901847	3.955502	4.376523	4.573423	4.573316	4.062774	4.023613	4.129778
PSMC2	ENSG0000	-0.01613	6.978547	-0.42416	0.676627	0.7676	-7.37903	7.41058	7.421577	7.388962	7.376862	7.356517	7.365642	7.521004	7.458519	7.388571	6.619926	6.632255	6.621774	6.529856	6.607251	6.505013	6.566325	6.450892	6.614364
MFSD12	ENSG0000	0.364164	7.601265	4.606311	0.000235	0.001474	-0.14255	8.886182	8.880013	8.958881	9.504617	9.602631	9.51771	9.432668	9.247254	9.37165	5.658737	5.838552	5.975375	6.066283	5.926312	6.029337	6.14773	6.104426	5.91704
TUBA3FP	ENSG0000	0.307763	-1.53265	0.985677	0.337741	0.458661	-5.37906	1.519087	1.849715	1.585853	3.142765	3.012388	3.086148	1.867984	1.658879	2.047395	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
YDJC	ENSG0000	-0.13283	4.974092	-1.02462	0.319516	0.439187	-6.66975	4.753899	4.925889	4.990634	4.727426	5.230876	4.960699	4.31208	4.009594	4.388669	4.968993	5.1649	5.341234	5.525587	5.610755	5.574382	5.515099	5.377692	5.037632
DVL3	ENSG0000	-0.02788	6.746052	-0.76895	0.452192	0.572597	-7.15957	6.642763	6.673831	6.674569	6.759444	6.698559	6.855724	6.670066	6.598762	6.60019	6.780215	6.757358	6.784917	7.007785	6.979943	6.924354	6.836079	6.725401	6.708719
AP2M1	ENSG0000	0.969097	7.747212	13.08611	1.83E-10	3.11E-08	14.19284	6.786668	6.849594	6.864229	8.147192	8.191926	8.08026	8.113572	8.039267	8.059606	7.361868	7.312019	7.272345	8.141093	8.125607	8.12204	8.027947	8.053618	8.03445
ABCF3	ENSG0000	0.079695	6.029083	1.435085	0.168916	0.268004	-6.3485	5.975942	5.981241	5.830573	6.259341	6.261358	6.170452	6.15916	6.180458	6.036192	6.070669	5.95112	5.998365	6.117038	5.976004	6.004567	5.988637	5.919494	6.052569
PCYT1A	ENSG0000	0.283699	6.323582	5.512619	3.45E-05	0.000332	1.839366	6.450932	6.552167	6.457584	6.396431	6.452019	6.430558	6.593315	6.679089	6.725698	5.945485	5.903948	5.990742	6.192931	6.217998	6.205097	6.284447	6.319888	6.364316
FBXO27	ENSG0000	-0.25926	2.541714	-1.89853	0.074264	0.141827	-5.25441	2.461454	2.356396	2.138168	0.934951	0.92021	1.055701	1.240874	1.231675	1.171446	4.607916	4.45968	4.662859	4.151547	4.116929	4.150058	4.526597	4.534411	4.394143
DMKN	ENSG0000	-0.07889	4.065324	-0.75396	0.460911	0.581518	-6.92218	2.867343	2.836538	2.776595	2.740812	2.835252	2.629332	1.762502	1.809233	1.727075	6.084386	5.922715	6.043273	6.011444	6.041121	5.997611	6.068467	6.066639	6.104461
U2AF1L4	ENSG0000	-0.32792	0.449029	-1.26197	0.223541	0.333463	-5.34063	1.475543	0.8079	1.202741	1.326771	1.087782	1.367251	1.525136	0.622068	1.314712	1.315703	1.616737	1.219002	1.548989	1.710321	1.749324	1.099384	0.924142	1.273688
BDH1	ENSG0000	0.161668	1.824243	1.177206	0.254896	0.369647	-5.98538	1.561356	1.226787	1.585853	1.457877	1.087782	1.188496	1.389995	1.85606	1.826075	3.284659	3.524821	3.538032	2.270712	2.344993	2.18129	3.756329	3.307681	3.571657
THAP8	ENSG0000	-0.01152	1.944719	-0.05693	0.955249	0.970928	-6.32475	2.589523	2.730641	2.446827	3.020814	3.073582	2.741673	2.832807	2.481727	2.670735	1.457372	1.672391	1.759838	2.591031	2.50126	2.497588	1.419885	1.930959	1.370407
ZNF382	ENSG0000	-0.0767	-0.48683	-0.32056	0.752347	0.826636	-6.35958	0.318509	0.215206	0.106501	0.258133	0.106501	0.106501	0.106501	0.509405	0.39151	2.527059	2.531245	2.558044	2.270712	2.581279	2.257813	2.509956	2.233409	2.277588
LRRC56	ENSG0000	-0.1585	3.259832	-2.23146	0.039009	0.085229	-4.80135	1.861169	1.744817	1.853768	1.888135	2.03796	1.993763	1.240874	1.430416	2.005764	5.233128	5.336211	5.432483	5.351063	5.320261	5.41643	5.269218	5.235609	5.09537
PGAP3	ENSG0000	0.114569	4.939745	1.779734	0.092512	0.168025	-5.69035	3.967917	4.006672	3.96379	4.591236	4.745876	4.656929	4.154215	4.332946	4.170531	5.447841	5.323231	5.361641	6.318418	6.318312	6.229054	5.380055	5.578995	5.356727
IKZF3	ENSG0000	-0.45075	0.127364	-2.1828	0.042959	0.092079	-4.17147	0.667115	0.736739	1.256574	0.258133	0.25478	0.461789	0.269385	0.509405	0.39151	2.204194	2.212518	2.228347	2.145912	1.970168	2.036756	1.970607	2.006592	2.174206
FDXR	ENSG0000	-0.39505	4.863559	-1.98872	0.062622	0.123912	-5.14847	6.680407	6.61304	6.669617	6.062202	6.064398	5.982028	5.882222	5.896721	5.845819	3.17611	3.455132	3.439082	4.01993	3.90938	3.6725	3.859998	3.910024	3.716682
SAP30BP	ENSG0000	-0.40581	6.438279	-6.21739	8.27E-06	0.000112	3.256657	6.572167	6.464039	6.441695	5.707722	5.760718	5.643273	5.804633	5.932665	5.892253	7.092034	7.036541	7.13387	6.729261	6.706935	6.788275	6.845025	6.823646	6.841185
ACOX1	ENSG0000	-0.13941	5.614905	-1.66205	0.114333	0.198107	-5.97587	5.089762	4.980813	4.781616	5.660858	5.617385	5.575159	4.968851	5.241941	5.136423	6.091196	6.166291	6.113142	6.302974	6.257503	6.232614	5.811323	5.729813	5.884657
PRPSAP1	ENSG0000	-0.02629	5.471158	-0.4304	0.672162	0.763993	-7.21267	5.539016	5.358041	5.446484	5.28169	5.138434	5.127141	5.30568	5.241941	5.359397	5.530331	5.709818	5.698897	5.76321	5.743628	5.718428	5.699035	5.729813	5.694596
CYGB	ENSG0000	-0.7513	-1.11928	-1.81421	0.086849	0.159983	-4.38083	2.080492	2.068355	2.138168	2.393052	2.429905	2.22781	1.389995	1.901414	1.38134	0.106501	0.185134	0.34382	0.352262	0.106501	0.186984	0.106501	0.19538	0.106501
SRSF2	ENSG0000	0.205905	8.638848	3.507252	0.002609	0.010052	-2.71579	8.691481	8.703195	8.75043	8.233797	8.24443	8.272521	9.047967	9.072081	9.09504	8.645296	8.699817	8.716071	8.359263	8.350063	8.423971	8.757801	8.7665	8.738036
ZNF577	ENSG0000	0.474827	-0.34164	3.957859	0.000969	0.004569	-0.88793	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.024981	3.339557	3.157196	3.783794	3.927863	3.886451	3.595997	3.431768	3.660409
TMEM143	ENSG0000	-0.43434	2.317037	-3.04038	0.007216	0.022391	-2.62923	3.85351	3.732673	3.971859	3.103249	3.225109	2.998412	3.370387	3.196885	3.721038	1.891119	2.011405	2.004401	1.838325	1.591687	1.947161	1.627702	1.766644	1.739782
KASH5	ENSG0000	-0.48795	-1.04345	-1.95536	0.066723	0.130236	-4.66701	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	3.216534	3.373534	3.262236	1.121891	1.428204	1.284217	2.719047	2.770449	2.48622
ALDH16A1	ENSG0000	0.25498	4.350185	2.917712	0.009393	0.027677	-3.38319	4.478633	4.50655	4.676925	4.612502	4.966263	4.809079	4.751751	4.651042	4.849226	3.737768	3.901847	4.059098	4.400624	4.349511	4.346819	4.374256	4.211138	3.945834
ITGA5	ENSG0000	0.024302	4.70251	0.118778	0.906806	0.938364	-6.81947	7.108678	7.064623	7.079279	7.032237	7.034907	7.056966	7.005289	6.886449	6.972573	2.356666	2.646894	2.776437	2.178139	2.016959	2.121111	3.272618	3.431768	3.228839
ZNF385A	ENSG0000	-0.13637	4.660078	-1.5066	0.149774	0.244385	-5.97068	4.973272	5.015049	4.89628	5.218368	5.321958	5.118843	4.576101	4.467202	4.556652	4.382206	4.467566	4.402219	4.662213	4.67539	4.628397	4.566809	4.592839	4.422617
MPP3	ENSG0000	-0.11343	2.72901	-0.63975	0.530634	0.643548	-6.41042	3.710582	3.750846	3.717332	2.714828	2.926537	2.825643	3.137083	3.141256	3.064594	2.527059	2.469748	2.497858	2.55467	2.596763	2.795875	2.794876	2.868308	2.944608
NAGS	ENSG0000	0.423608	0.428541	1.892734	0.075075	0.142972	-4.89899	0.41387	0.316291	0.512639	0.742604	0.512209	0.106501	0.548589	0.106501	0.256032	2.843296	3.002186	2.966075	3.197622	3.162755	3.186878	3.560228	3.317614	3.410407
LSM12	ENSG0000	-0.20854	5.488704	-4.10589	0.0007	0.003508	-1.11216	5.934331	5.900111	5.867803	5.190356	5.1432	5.203674	5.639419	5.619796	5.50844	5.627223	5.714797	5.704234	5.311659	5.173088	5.158989	5.544687	5.621715	5.534225
EMC10	ENSG0000	0.785062	7.488162	9.817585	1.56E-08	9.10E-07	9.641777	6.313939	6.228223	6.34561	7.711776	7.795405	7.745015	7.327689	7.206314	7.405678	7.248865	7.406844	7.450412	8.33758	8.267209	8.265624	8.04584	8.003731	7.847056
JOSD2	ENSG0000	0.251124	3.879955	1.990671	0.062389	0.123589	-5.05657	3.17016	3.483793	3.500214	4.3081	4.580048	4.000731	3.571163	3.415864	3.796224	3.528929	3.919204	4.128223	4.63635	4.645922	4.722535	4.271827	4.247965	3.770842
SHANK1	ENSG0000	1.732085	-0.80129	4.325701	0.000433	0.002405	0.127798	2.021155	2.425906	2.621113	3.376187	3.260629	3.405543	4.274204	3.89093	4.063004	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.214669
DBF4B	ENSG0000	-0.01147	3.105856	-0.06392	0.949759	0.967557	-6.78572	3.819083	3.7953	3.871922	3.342644	3.093416	3.119801	3.879385	4.090149	3.946814	3.681119	3.767745	3.532043	1.954519	1.591687	1.639204	3.39137	3.546022	3.444131
PLCD3	ENSG0000	0.178003	6.463487	0.671405	0.51074	0.625883	-7.02815	8.002598	7.960244	8.007845	9.014683	9.067326	9.028392	7.958017	7.926552	7.952748	4.525848	4.479316	4.583999	4.309002	4.317159	4.284167	5.170659	5.118327	5.243178
FMNL3	ENSG0000	0.257526	1.733741	1.36393	0.189898	0.29288	-5.38854	2.568952	2.61635	2.794903	2.791417	3.207016	3.03415	3.072345	2.894433	3.254305	1.814181	1.616737	1.514616	1.154653	1.203912	1.355599	1.571317	1.547811	1.416439
RACGAP1	ENSG0000	0.055001	5.746025	0.410254	0.686605	0.775766	-7.28329	6.138331	6.015467	6.102711	5.540275	5.305047	5.528939	6.341911	6.397811	6.371418	6.212331	6.225628	6.262598	4.464081	4.354074	4.523816	6.06974	6.047368	6.090332
LARP4	ENSG0000	-0.14602	7.438868	-3.621	0.002032	0.00818	-2.37114	7.940398	7.926665	7.936973	7.574932	7.56444	7.637309	7.873461	7.864206	7.73197	7.293245	7.309279	7.174809	6.95296	7.071452	6.964151	7.043957	7.063147	7.13589
RAVER1	ENSG0000	0.187217	4.955107	1.69208	0.108381	0.1906	-5.81034	4.635242	4.864623	5.014266	5.117849	5.221894	4.997371	5.104539	4.722281	4.906906	4.889966	4.97047	5.191584	4.912595	4.922739	4.785281	5.420516	5.358575	5.01537
SYCE2	ENSG0000	0.106821	0.157158	0.366836	0.718145	0.800167	-6.05837	1.336422	1.420874	0.898566	0.841981	1.2379	0.563119	1.459147	1.710758	1.873138	1.704765	1.435603	1.696985	0.46104	0.416769	0.470356	1.286141	1.368306	1.222783
SPC24	ENSG0000	-0.12285	2.458182	-0.48421	0.634249	0.733128	-6.50031	3.210562	2.982098	3.119366	2.81607	2.71237	2.763128	2.957542	3.506713	3.00245	3.284659	3.146729	3.312021	1.154653	1.16289	1.580823	2.901634	2.881762	3.121769
LEMD2	ENSG0000	0.120791	5.931776	1.873216	0.077861	0.147307	-5.68869	5.956277	5.831327	5.918779	5.7878	5.893919	5.614052	6.073542	6.104921	6.174129	5.97524	5.903948	5.93282	6.015908	6.018303	6.072348	6.045367	5.972326	5.91904
ALOX15	ENSG0000	1.020491	1.249978	2.906463	0.009622	0.028223	-2.77486	1.286899	1.551021	1.30847	1.888135	2.03796	1.757653	3.158032	3.102941	3.143496	1.586365	1.922393	1.933468	1.248697	1.16289	1.046067	1.627702	1.478665	1.58715
ADCY10P1	ENSG0000	-0.41397	0.880971	-2.59946	0.018414	0.047095	-3.34636	1.602421	1.551021	1.30847	1.256461	1.2379	1.310092	1.240874	1.658879	1.0941	1.91588	1.922393	1.73919	1.916818	1.591687	1.722572	1.320757	1.513652	1.739782
ZNF653	ENSG0000	0.031399	1.898092	0.238819	0.814024	0.872396	-6.38038	1.959273	2.009193	2.351095	2.518519	2.520598	2.288255	2.412257	2.147141	2.047395	2.356666	1.945166	2.369387	2.329284	2.307842	2.465679	2.211015	2.315011	2.033602
MED11	ENSG0000	0.310067	3.845676	3.410303	0.003227	0.011857	-2.18578	4.239263	4.006672	4.102541	4.971905	4.950037	4.918297	4.496094	4.316298	4.313883	2.990428	3.175905	3.262236	3.814873	3.68147	3.593499	3.478269	3.595851	3.291935
CXCL16	ENSG0000	0.681694	4.599261	11.67422	1.11E-09	1.20E-07	12.50823	5.233934	5.26627	5.325763	6.418735	6.436573	6.455483	5.885366	5.943547	5.88653	2.943032	2.792142	3.035461	3.979357	3.952144	3.974116	3.574643	3.705831	3.55117
TNFSF13	ENSG0000	-0.39252	0.021274	-1.5345	0.142809	0.235202	-5.05825	0.882475	0.8079	0.964748	0.395333	0.512209	0.461789	0.548589	0.726566	0.256032	1.646779	1.467416	1.67541	2.193986	1.819936	1.947161	1.286141	1.613793	1.665483
SENP3	ENSG0000	-0.31689	4.456186	-4.22885	0.000535	0.002841	-0.63919	5.071598	4.917869	5.041355	4.263984	4.621619	4.379778	4.479546	4.540708	4.490278	4.588795	4.558991	4.497508	4.272153	4.164465	4.329194	4.37013	4.495561	4.341429
EIF4A1	ENSG0000	-0.0335	0.906348	-0.16211	0.873076	0.914758	-6.12845	1.430644	1.631689	1.888281	1.791994	1.817192	2.22781	1.816207	2.069791	1.620777	1.388276	1.265082	1.305813	1.548989	1.320413	1.580823	0.837776	1.329561	1.273688
RPL26	ENSG0000	-0.18446	5.227677	-3.11565	0.006132	0.019854	-3.18192	5.588399	5.644701	5.636121	5.232173	5.367468	5.30589	5.238424	5.327507	5.54523	5.14686	5.184173	5.133432	5.020957	5.160118	5.161481	4.999601	5.057388	5.063177
POLR3K	ENSG0000	0.105664	5.362436	0.908273	0.376088	0.498615	-6.86429	5.684757	5.634949	5.56323	5.375899	5.4273	5.435149	5.814563	5.819078	5.914921	5.522291	5.525662	5.620625	4.509114	4.381153	4.351192	5.550168	5.541343	5.539435
SNRNP25	ENSG0000	0.214733	4.710263	1.799482	0.08923	0.163042	-5.58309	4.532747	4.733688	4.711067	4.88719	5.190008	5.028711	5.082792	4.9659	4.91817	4.742042	4.702905	4.842989	4.359059	4.344933	4.194539	4.877024	4.933671	4.762652
WDR90	ENSG0000	-0.41996	4.73686	-5.45419	3.89E-05	0.000366	1.906386	4.500523	4.47956	4.621585	4.325376	4.310303	4.351728	3.814892	3.798055	4.032233	5.404758	5.627733	5.313568	5.536504	5.388576	5.382653	5.02081	5.302159	5.12686
JMJD8	ENSG0000	0.194336	6.415639	3.007975	0.007738	0.023688	-3.5714	6.32778	6.323886	6.383909	6.814008	7.022028	6.925177	6.777194	6.66765	6.763659	6.108753	6.104409	6.139972	6.443004	6.324138	6.315508	6.171633	6.098677	6.090332
CCDC78	ENSG0000	-0.98848	1.143705	-3.78965	0.001403	0.006127	-0.93802	2.461454	2.55562	2.661582	2.605941	2.549605	2.196611	1.816207	1.549165	1.727075	1.388276	1.228418	1.158083	1.838325	1.428204	1.923865	0.517985	1.16325	1.115245
SPSB3	ENSG0000	-0.35468	4.237686	-3.80084	0.001369	0.006011	-1.5129	4.381709	3.888531	4.307715	4.342447	4.439897	4.218286	3.747379	3.856799	3.82044	4.337085	4.407337	4.566525	5.03202	4.965115	4.992623	4.180538	4.195062	4.029672
MEIOB	ENSG0000	-0.91475	2.046073	-2.61415	0.017858	0.045931	-3.71413	1.826927	1.947501	1.954926	1.888135	1.718467	2.317553	0.782422	1.231675	0.833554	4.592639	4.45175	4.660116	1.667235	1.993753	1.550722	3.956715	3.728346	3.945834
TEDC2	ENSG0000	-0.07158	3.356064	-0.48578	0.633159	0.732192	-6.79313	3.183753	3.417081	3.431666	3.21869	3.112982	2.94309	3.258446	3.083395	3.236418	4.098381	4.247042	4.379049	2.949505	2.837366	3.064395	4.336692	4.237539	4.037057
CCNF	ENSG0000	0.243301	4.573419	1.35913	0.191386	0.294706	-6.25394	4.12413	4.014214	4.242513	4.227693	4.580048	4.427589	4.744844	4.728586	5.026224	5.344475	5.1649	5.311821	3.974777	3.999514	3.985412	5.210433	5.118327	5.271631
TBC1D24	ENSG0000	0.426015	3.976549	3.348376	0.003695	0.013216	-2.39565	3.903656	3.777682	4.057757	4.569652	4.836932	4.679672	4.56045	4.497055	4.563842	3.785574	3.761343	3.669344	3.663745	3.68147	3.615478	3.945668	3.890192	3.840032
AMDHD2	ENSG0000	0.126726	3.676265	0.919721	0.370239	0.492052	-6.38316	3.361722	3.273623	3.28395	4.640378	4.551652	4.580436	4.090259	3.646467	3.856018	3.599408	3.470912	3.663876	4.106206	4.022628	4.119623	3.324713	3.413359	3.291935
BICDL2	ENSG0000	0.365923	-0.11568	3.060469	0.006909	0.021724	-2.86423	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.303547	3.532361	3.464463	4.709837	4.581228	4.610269	3.787601	3.876817	3.716682
PAQR4	ENSG0000	0.406397	5.081982	1.593463	0.128979	0.217635	-6.02098	3.999005	4.210824	4.195052	5.213737	5.375591	5.195807	4.235306	4.060466	4.021828	5.791772	5.723056	5.784522	5.188526	5.282459	5.131289	6.380897	6.369673	6.225761
FLYWCH2	ENSG0000	-0.3927	5.160476	-3.2396	0.004685	0.016005	-2.86819	6.176225	6.22335	6.219134	5.517909	5.723018	5.634569	5.440037	5.408281	5.534291	4.549776	4.525382	4.798774	4.656506	4.763781	4.516048	4.77149	4.625193	4.61255
ZG16B	ENSG0000	-0.05712	1.271641	-0.21062	0.835623	0.887728	-6.09527	3.27548	3.310847	3.217639	3.898911	3.808643	3.786958	3.050103	3.302095	3.323715	0.834246	0.695454	0.993481	0.745413	0.345231	0.707101	0.789161	0.637375	0.872651
ZNF75A	ENSG0000	-0.10607	4.910255	-1.76612	0.094836	0.171458	-5.75504	4.02189	3.904854	3.987862	4.316764	4.231942	4.154771	3.928981	3.924273	4.032233	5.919702	6.059456	5.995103	5.79473	5.824769	5.80226	5.875309	5.840742	5.830433
ADCY9	ENSG0000	1.053053	5.435441	6.877723	2.31E-06	4.18E-05	4.769062	4.683882	4.706012	4.758481	6.576757	6.771164	6.684979	6.212706	6.21005	6.265158	4.460029	4.665681	4.640764	5.662871	5.544428	5.46364	5.28245	4.978189	4.973643
SHANK2	ENSG0000	0.339937	3.910837	1.027453	0.318218	0.438037	-6.30898	4.949597	4.980813	5.006431	4.092964	4.149079	4.121933	5.405414	5.150979	5.325957	2.620402	2.741	2.826234	3.960951	3.90938	4.01878	3.171932	3.104657	2.990979
CLPB	ENSG0000	-0.01952	4.575783	-0.20365	0.84098	0.892479	-7.11171	4.933595	4.860445	4.938064	4.316764	4.177232	4.202668	5.115291	5.112925	4.983968	4.569418	4.716207	4.727183	4.441025	4.312477	4.512148	4.526597	4.512957	4.531205
NEU3	ENSG0000	-0.3669	4.137198	-6.03383	1.19E-05	0.000147	3.193209	3.999005	3.812706	3.947516	3.591402	3.517104	3.907468	3.457463	3.318907	3.614278	4.914746	4.890593	4.859824	4.808355	4.856747	4.820398	4.60593	4.525868	4.622403
CYB561A3	ENSG0000	0.163325	5.55792	1.32909	0.200909	0.306047	-6.39635	5.064268	5.022548	5.241504	6.252583	6.177895	6.125602	5.582443	5.539589	5.667077	5.540318	5.49705	5.558634	5.779056	5.67599	5.650865	5.503845	5.403571	5.33891
ASRGL1	ENSG0000	-0.04472	-0.43237	-0.11467	0.910015	0.94066	-5.87229	2.629805	2.61635	2.492412	2.548252	2.811499	2.402038	2.724622	2.451551	2.588518	0.34397	0.259702	0.34382	0.106501	0.106501	0.263213	0.326864	0.19538	0.214669
UBXN1	ENSG0000	-0.30349	6.353452	-1.88351	0.076381	0.144994	-5.73063	6.499297	6.579116	6.625544	5.753112	5.879712	5.660525	5.970727	5.946255	6.104345	6.459712	6.504877	6.514228	6.998791	6.996819	7.004963	6.422332	6.429295	6.351044
LBHD1	ENSG0000	-0.41632	1.941732	-3.36128	0.003592	0.012926	-2.07931	1.861169	1.631689	1.853768	1.688986	1.612488	1.840725	2.144798	1.231675	1.564539	3.331423	3.044983	3.180357	2.749557	2.913535	2.906973	2.692858	2.921385	2.687355
TTC9C	ENSG0000	0.078916	4.289942	1.031935	0.316171	0.435853	-6.58017	3.142584	3.428416	3.39613	3.999198	4.051057	4.071231	3.405851	3.446787	3.357206	5.041104	5.092794	5.083114	5.278599	5.320261	5.267074	5.156356	5.138081	5.11644
TAF6L	ENSG0000	0.113454	3.916521	1.761577	0.095623	0.172618	-5.45576	3.85351	3.96057	4.034833	4.092964	4.120365	4.009735	4.011872	4.203129	4.112876	3.838337	4.051023	3.995227	3.884887	3.903166	4.083285	4.088113	4.017531	3.961444
NXF1	ENSG0000	-0.16701	6.122161	-3.39221	0.003357	0.012257	-2.76653	5.851589	5.82919	5.854773	5.775282	5.547207	5.671913	5.722633	5.749473	5.803925	6.805281	6.708278	6.721856	6.41031	6.301873	6.271199	6.591351	6.432727	6.547417
STX5	ENSG0000	0.303379	4.792515	5.523723	3.37E-05	0.000327	2.056211	3.999005	3.928996	4.080323	4.765896	4.758354	4.651187	4.512454	4.247712	4.305329	5.144243	5.130539	4.92069	5.606261	5.653954	5.622205	5.308556	5.358575	5.296461
SLC25A45	ENSG0000	-0.54033	2.074634	-3.10343	0.006296	0.020239	-2.49194	3.071243	2.886707	3.25779	2.548252	2.904251	2.784269	2.412257	1.85606	2.34318	2.100009	2.115463	2.183199	2.096181	2.288901	2.10048	2.095813	1.981819	2.252429
RPL29	ENSG0000	-0.09289	9.363113	-1.64324	0.1182	0.203643	-6.34082	9.551273	9.49815	9.537206	9.132232	9.25596	9.088584	9.360792	9.318737	9.341636	9.437924	9.343358	9.360103	9.383809	9.46161	9.376036	9.338205	9.389652	9.401643
SYVN1	ENSG0000	0.131926	6.321635	2.205776	0.04105	0.088857	-5.19243	5.838758	5.850414	5.854773	5.598277	5.738846	5.649047	6.187456	6.017505	6.185827	7.011757	6.977008	7.022398	6.406065	6.385602	6.327764	7.004575	7.034825	7.053622
ZFPL1	ENSG0000	-0.28752	4.892285	-3.60452	0.002107	0.008412	-2.112	4.767504	4.860445	5.029808	4.464421	4.662026	4.512384	4.358069	4.230044	4.235006	5.283944	5.353339	5.336087	5.42006	5.341097	5.441254	5.14915	5.256415	5.2872
RPS6KA4	ENSG0000	0.372642	5.660345	3.58817	0.002184	0.008662	-2.28827	4.630287	4.599733	4.652033	5.222985	5.355198	5.283793	4.504297	4.610649	4.732845	6.137986	6.238361	6.391413	6.639526	6.601506	6.60452	6.923841	6.780307	6.608179
LRP5	ENSG0000	0.309566	7.557698	1.97942	0.063741	0.125517	-5.69427	6.432547	6.52074	6.580083	7.289336	7.527555	7.298351	6.856232	6.825987	6.935637	8.166219	8.241655	8.290559	8.022687	7.849212	7.882132	8.552388	8.537321	8.390307
TPCN2	ENSG0000	0.069346	4.060874	0.799626	0.434661	0.555784	-6.73212	3.710582	3.310847	3.419917	3.80351	3.560502	3.620621	3.941119	4.030158	3.844255	4.692747	4.675929	4.629588	4.673561	4.529722	4.62479	4.477583	4.596923	4.607598
PDZK1IP1	ENSG0000	-1.1031	-1.00905	-2.70167	0.014864	0.039758	-2.93717	2.629805	2.308123	2.558197	3.910405	3.747367	4.036412	1.525136	1.760835	1.314712	0.106501	0.185134	0.16959	0.106501	0.190544	0.186984	0.106501	0.106501	0.106501
CMPK1	ENSG0000	0.307753	7.027604	4.6251	0.000226	0.001429	-0.15011	6.653793	6.644971	6.542653	7.023002	6.96126	7.003885	7.06474	7.180099	7.096735	7.04651	7.206403	7.185341	7.048667	7.098218	7.080647	7.256681	7.293244	7.317439
COA7	ENSG0000	-0.00406	6.565953	-0.12672	0.90061	0.934124	-7.44792	6.578612	6.473645	6.550756	6.414705	6.411116	6.410303	6.577851	6.522796	6.508148	6.754707	6.688169	6.781135	6.529075	6.527691	6.544689	6.727389	6.742093	6.7271
ZYG11B	ENSG0000	0.407109	4.648933	4.509621	0.00029	0.001743	-0.06147	4.145127	4.115866	3.81026	4.949796	4.987618	4.864722	4.709802	4.690335	4.674259	4.607916	4.793538	4.557708	5.053895	5.01783	5.198354	4.961717	4.740443	4.886383
CZIB	ENSG0000	-0.21222	5.013227	-2.53311	0.021135	0.052556	-4.32223	5.572986	5.592753	5.517107	5.015132	5.094821	4.899045	5.478019	5.372491	5.375831	4.960093	4.925369	4.855034	4.787617	4.794321	4.820398	4.574001	4.633169	4.810842
MAGOH	ENSG0000	-0.25531	5.369773	-2.64706	0.01667	0.043561	-4.23136	5.648453	5.512479	5.341417	4.263984	4.335505	4.493254	4.877071	5.150979	5.136423	6.025878	5.978976	6.038	5.603298	5.640943	5.657942	5.951842	5.879817	5.815479
ACOT11	ENSG0000	-0.37843	2.543126	-2.851	0.010832	0.030975	-3.23187	2.483604	2.513665	2.300736	2.255624	2.264801	2.429135	1.70672	1.710758	1.445026	3.50465	3.295928	3.691009	3.757374	3.813238	3.445943	3.31616	3.404065	3.364179
PARS2	ENSG0000	-0.03672	3.495223	-0.38927	0.701781	0.787292	-6.83484	3.443098	3.012542	3.322321	2.97776	3.410458	2.924168	3.586698	3.335526	3.162566	3.991785	3.975599	4.083875	4.163669	4.095289	4.035179	3.945668	3.986735	3.840032
USP24	ENSG0000	-0.00979	6.311628	-0.17962	0.859517	0.905709	-7.40442	6.191444	6.10825	6.202087	6.164136	6.289573	6.410303	6.297757	6.250046	6.206646	6.407197	6.642742	6.354556	6.458668	6.411007	6.409706	6.424323	6.341957	6.376011
PLPP3	ENSG0000	-0.06272	5.100309	-0.62964	0.537076	0.649149	-7.00672	4.553837	4.682536	4.657046	5.254892	5.26188	5.242382	4.8959	5.206241	4.945952	5.274401	5.203192	5.349772	5.743154	5.743628	5.761774	4.922811	4.881053	5.019105

NOL9	ENSG0000	-0.4042	4.946201	-6.10643	1.03E-05	0.000131	3.212852	5.460225	5.404699	5.363051	4.350907	4.284653	4.138446	4.902122	4.790167	4.88411	5.520274	5.516188	5.430875	4.823716	4.794321	4.653399	5.201172	5.211838	5.19777
PRKAA2	ENSG0000	1.451401	5.515447	5.808014	1.88E-05	0.000206	2.710433	5.679969	5.734195	5.668751	7.841269	7.770981	7.854636	7.573602	7.645069	7.58423	4.054455	3.970058	3.748962	4.203356	4.264807	4.377153	4.042177	4.088867	4.129778
KLHL21	ENSG0000	-0.24796	6.44568	-3.38103	0.00344	0.012496	-2.79123	7.623171	7.540607	7.618942	6.534673	6.493661	6.508848	7.194613	7.096033	7.115205	6.153685	5.991338	6.171138	5.366878	5.24855	5.422676	6.227433	6.03538	6.028687
ZSWIM5	ENSG0000	0.266423	2.986855	1.37543	0.186372	0.28872	-5.75664	2.483604	2.37994	2.916938	3.753334	3.6964	3.818042	2.545421	2.702788	3.044176	3.303547	3.175905	3.085394	3.36795	3.357127	3.19663	3.423579	3.458949	3.387478
GMEB1	ENSG0000	-0.08839	4.274882	-1.66764	0.113203	0.196772	-5.71849	4.478633	4.377991	4.301326	3.944346	4.249727	4.121933	4.321396	4.405576	4.270596	4.652797	4.536672	4.536922	4.187612	4.24529	4.27038	4.430811	4.482376	4.494122
SLC45A1	ENSG0000	0.473825	1.815207	3.26088	0.004472	0.015389	-2.13284	1.894617	1.744817	1.54317	2.661411	2.904251	2.697781	1.762502	1.85606	1.873138	1.616888	1.922393	1.986992	2.852992	2.714997	2.675503	2.432936	2.410923	2.174206
SELENON	ENSG0000	1.005827	6.380693	19.55845	2.52E-13	2.32E-10	20.81161	5.766072	5.687786	5.884996	6.765786	6.831459	6.804908	6.932685	6.839158	6.930084	5.685984	5.762057	5.645805	6.724496	6.665316	6.539908	6.552737	6.584417	6.589464
AK4	ENSG0000	0.430119	4.646371	2.923916	0.009269	0.0274	-3.49606	4.564268	4.619648	4.631806	4.821743	4.681813	4.937296	4.599263	4.610649	4.505294	4.447347	4.755391	4.503642	4.268416	4.497087	4.411058	5.249139	5.341637	5.262209
JAK1	ENSG0000	-0.0748	7.760692	-0.78088	0.445323	0.566063	-7.18747	8.620164	8.573596	8.65155	9.314138	9.216089	9.308366	8.546368	8.563954	8.558745	6.739182	6.758966	6.744696	6.778045	6.713165	6.807496	6.668132	6.651731	6.637627
RAVER2	ENSG0000	0.885071	2.447391	5.531309	3.32E-05	0.000323	2.524925	3.613482	3.450822	3.511328	4.821743	4.770725	4.662649	4.321396	4.307901	4.270596	0.982259	1.152172	1.277453	1.473091	1.652223	1.488568	1.759719	1.737342	1.910335
LZIC	ENSG0000	0.014335	5.19215	0.235547	0.816522	0.874252	-7.23391	5.067938	4.949684	4.966609	5.1079	5.07001	5.010886	4.908318	5.224202	4.878354	5.56792	5.407641	5.516787	5.274879	5.410647	5.299114	5.461813	5.522142	5.547215
FBLIM1	ENSG0000	0.254709	2.562016	1.986791	0.062852	0.124223	-4.9045	2.080492	1.978677	2.049454	2.21912	2.03796	2.064596	1.389995	1.367163	1.777424	3.437834	3.322263	3.38694	4.348478	4.298341	4.284167	3.724364	3.835933	3.906054
DHRS3	ENSG0000	0.628649	5.37718	4.959	0.00011	0.000819	0.792183	4.91334	4.86879	4.946277	5.85774	5.93572	5.877705	5.115291	5.132077	5.287386	5.006941	5.061869	5.009585	5.655736	5.576021	5.572511	5.78677	5.917862	5.930982
SDC3	ENSG0000	0.525989	5.531988	4.5263	0.00028	0.001692	-0.08824	5.482394	5.602793	5.576519	7.136235	7.196082	7.084923	5.958837	5.965067	6.099406	4.30932	4.447768	4.418544	5.451713	5.317927	5.321571	4.917167	5.060349	4.906683
PEF1	ENSG0000	-0.21417	6.023668	-3.75933	0.0015	0.006454	-1.9464	6.06494	5.969649	6.056036	5.794018	5.716638	5.643273	5.650549	5.5324	5.636714	6.369601	6.301497	6.336627	6.32383	6.304233	6.324432	6.297541	6.273436	6.248207
RBBP4	ENSG0000	-0.01208	7.593712	-0.16219	0.873017	0.914758	-7.53712	7.237276	7.222717	7.262288	7.615874	7.473711	7.516967	7.239531	7.284357	7.284701	7.9633	7.943168	7.953663	7.691546	7.759618	7.669679	7.887795	7.916551	7.905218
KIAA1522	ENSG0000	-0.12506	6.349944	-2.01314	0.059764	0.119487	-5.53852	4.957532	4.973094	5.176661	4.892995	5.185395	5.097889	4.666597	4.569092	4.633836	7.729278	7.694545	7.718112	8.1871	8.073642	8.172639	7.726511	7.702964	7.657023
TMCO4	ENSG0000	0.047963	4.379557	0.688354	0.500265	0.617335	-6.9088	3.792713	3.494617	3.819232	3.727576	4.040879	3.620621	3.705302	3.384264	3.453254	5.157281	5.054034	5.176304	5.352829	5.350262	5.395412	5.182472	5.356168	5.230349
UBXN10	ENSG0000	0.773396	0.986264	2.454633	0.024846	0.059721	-3.71106	0.587539	0.410755	0.219246	1.74141	1.498102	1.880533	0.983587	0.387194	1.244857	2.510897	2.249583	2.286428	2.781373	2.714997	2.895043	2.77004	2.813204	2.84714
CAMK2N1	ENSG0000	0.040295	5.802617	0.265584	0.793667	0.856573	-7.3774	3.738482	4.006672	4.02711	4.809518	4.681813	4.772519	3.602068	3.89093	3.708117	7.639214	7.728172	7.706192	7.202981	7.284246	7.250029	7.750912	7.813706	7.726047
WNT4	ENSG0000	0.03708	-0.23092	0.06545	0.948558	0.966864	-5.87894	2.19231	2.853456	3.013906	2.933382	3.151334	2.924168	2.545421	2.290412	2.376228	0.106501	0.185134	0.106501	0.787801	0.784432	0.533283	0.257084	0.2791	0.106501
SCNN1D	ENSG0000	-0.62565	1.164263	-3.01354	0.007646	0.023469	-2.48408	3.128595	3.042358	3.309643	2.518519	2.762786	2.697781	2.376953	2.290412	2.643847	0.934589	0.89579	0.807652	1.154653	1.16289	1.129895	0.789161	0.924142	0.805046
FAAP20	ENSG0000	0.317022	4.889069	2.910087	0.009548	0.028039	-3.53646	4.740165	4.733688	5.041355	5.28169	5.473441	5.122998	5.003988	4.849227	5.036597	4.318634	4.591835	4.796278	4.943391	4.89169	5.060955	5.237862	5.060349	4.726565
MEGF6	ENSG0000	-0.59493	2.425482	-1.64228	0.1184	0.203825	-5.19371	3.836399	3.855322	3.871922	2.633943	3.31232	2.805104	2.446718	1.988058	2.376228	1.840286	2.053933	1.986992	2.842976	2.565626	2.821313	2.568742	2.392244	2.464474
NFIA	ENSG0000	-0.03088	4.128118	-0.31292	0.758043	0.830715	-6.9212	4.179456	4.080378	4.019345	4.654117	4.782991	4.662649	4.079318	4.09991	4.141991	4.217694	4.242453	3.973292	4.131114	4.205443	4.169997	4.083081	4.035699	4.058989
OMA1	ENSG0000	-0.1552	3.400055	-1.22325	0.237473	0.349378	-6.04408	3.919992	4.058659	3.987862	3.342644	3.502343	3.405543	4.034706	3.868266	3.968647	3.275122	3.356645	3.400153	3.442811	3.544454	3.225499	3.181381	3.034117	3.149291
MYSM1	ENSG0000	-0.24968	4.912779	-3.71826	0.001641	0.00691	-1.87714	4.929567	5.059469	4.900514	4.448742	4.352066	4.460795	4.83866	4.922558	4.687485	5.389369	5.423946	5.359952	5.049546	5.026432	5.163969	4.950708	5.135275	5.227124
TM2D1	ENSG0000	0.124551	4.971906	1.493395	0.153167	0.248531	-6.04759	5.397444	5.393175	5.396406	5.479843	5.342823	5.435149	5.69423	5.774066	5.686969	4.529864	4.483212	4.575288	4.679202	4.725555	4.512148	4.365992	4.521577	4.399883
USP1	ENSG0000	0.13962	6.062521	1.122632	0.276779	0.394217	-6.76354	6.206505	6.323886	6.336266	6.017729	5.981675	5.995687	6.259498	6.486052	6.373466	6.252981	6.219803	6.358792	5.140267	5.112436	5.113381	6.449959	6.399208	6.521324
FUBP1	ENSG0000	0.187517	7.372789	3.640678	0.001946	0.007925	-2.33886	7.229105	7.230023	7.157415	7.289336	7.206364	7.235461	7.49139	7.39948	7.487353	7.548604	7.53669	7.479492	7.223394	7.179521	7.234727	7.585945	7.68197	7.676661
NEXN	ENSG0000	-0.11221	1.138753	-0.69715	0.494878	0.612101	-6.11057	1.430644	1.002471	1.146821	1.578054	1.373859	1.422231	0.886508	1.15884	0.925731	2.444376	2.135404	2.382761	2.314863	2.016959	2.294605	2.173627	2.354144	2.419973
DNAJB4	ENSG0000	0.468052	5.036738	4.356725	0.000405	0.002277	-0.47501	4.410898	4.34846	4.229112	5.290513	5.239802	5.227023	5.198536	5.127313	5.179186	5.159875	5.162472	5.099408	5.306202	5.324918	5.183718	5.315009	5.426702	5.265357
TYW3	ENSG0000	-0.12567	5.320073	-2.6047	0.018214	0.046658	-4.2972	5.194191	5.066741	5.097747	4.733909	4.681813	4.668345	4.825625	5.007978	5.072328	6.06791	5.911195	5.844958	5.619524	5.556356	5.61495	5.818911	5.779172	5.896886
SNX7	ENSG0000	0.346061	4.118846	4.4575	0.000325	0.001911	-0.06033	3.719942	3.888531	3.565652	4.502891	4.439897	4.57438	3.866715	4.230044	3.935772	3.950439	3.975599	4.140085	4.684821	4.569504	4.535391	4.37837	4.423801	4.299055
FAM102B	ENSG0000	0.041587	3.53794	0.392229	0.699631	0.785623	-6.69642	3.682132	4.051346	3.755225	4.316764	4.462952	4.379778	3.916741	4.090149	3.796224	3.236329	3.356645	3.172678	3.27416	3.453829	3.412858	3.227721	3.058015	3.364179
HENMT1	ENSG0000	-0.26613	2.875669	-2.28419	0.03511	0.07845	-4.57089	2.609804	2.448351	2.558197	1.578054	1.307481	1.422231	2.144798	2.184314	1.962896	4.35077	4.344483	4.497508	4.097807	4.385617	4.056758	4.147172	4.162364	4.323421
C1orf52	ENSG0000	-0.202	4.899608	-3.44543	0.002988	0.011201	-2.4711	4.867751	4.687262	4.574673	4.359318	4.352066	4.645422	4.673889	4.474723	4.674259	5.614043	5.4757	5.427652	5.210117	5.167914	5.138897	5.255863	5.282007	5.227124
GBP2	ENSG0000	-0.20507	3.134685	-2.42778	0.02625	0.062375	-4.2259	2.165157	2.09705	1.954926	2.605941	2.737798	2.805104	2.058296	2.184314	1.918715	4.125171	4.214605	4.050743	5.186547	5.18338	5.33488	3.900611	4.011424	3.770842
ATXN7L2	ENSG0000	-0.49261	3.425892	-6.55092	4.31E-06	6.66E-05	4.324738	3.672523	3.608619	3.745844	2.864145	2.926537	2.805104	3.137083	3.102941	2.915195	4.382206	4.112675	4.293123	3.703037	3.745389	3.533199	3.889124	3.955266	3.797179
GBP4	ENSG0000	0.017526	0.670449	0.106656	0.916277	0.944527	-6.84858	0.587539	0.499412	0.829201	0.106501	0.106501	0.2349	0.269385	0.106501	0.39151	3.926269	3.930661	4.124247	3.587808	3.738425	3.437743	4.072963	4.111883	4.170642
ZNF326	ENSG0000	-0.09348	5.173047	-0.96372	0.348332	0.469597	-6.79565	4.798758	4.599733	4.777019	5.015132	5.024245	5.033133	4.599263	4.747338	4.776822	5.808398	5.757239	5.852187	5.343978	5.363901	5.39964	5.669122	5.60153	5.713156
AGL	ENSG0000	-0.04332	4.872868	-0.57666	0.571523	0.680082	-7.01705	4.428132	4.634406	4.388298	4.88719	4.720591	4.824468	4.737903	4.790167	4.732845	5.096306	5.251956	5.201052	5.313474	5.320261	5.418515	4.914336	5.012228	4.958165
EXTL2	ENSG0000	0.510667	3.970262	3.726847	0.001611	0.006821	-1.62481	2.996191	2.90305	3.090013	4.350907	4.091068	4.427589	4.101117	4.128801	4.112876	4.13047	4.040487	4.175097	4.659362	4.569504	4.708971	4.185243	4.205799	4.382594
SLC30A7	ENSG0000	0.14686	5.527496	2.039958	0.056763	0.114596	-5.36638	4.833667	4.80064	4.636889	5.227586	5.212855	5.2875	5.162706	5.246342	5.216162	6.007276	6.059456	6.052717	6.12739	6.060794	6.12437	5.939365	5.987961	6.125399
ZNF281	ENSG0000	-0.0727	5.889466	-1.70012	0.106834	0.188298	-5.93171	6.29371	6.269775	6.135406	6.229828	6.116215	6.206137	6.106247	6.254423	6.185827	5.667877	5.762057	5.6178	5.626839	5.587692	5.652638	5.619586	5.603561	5.534225
ARPC5	ENSG0000	0.071287	7.561387	1.027867	0.318028	0.437903	-6.98487	7.755925	7.749339	7.758412	7.870985	7.840848	7.912186	7.86393	7.933391	7.89833	7.158383	7.136392	7.112454	7.571192	7.671878	7.603407	7.076606	7.184136	7.152985
ZNF496	ENSG0000	0.008085	5.130566	0.1563	0.877588	0.918323	-7.22357	4.846543	4.843609	4.908943	5.232173	5.221894	5.110498	4.968851	4.922558	4.813478	5.319175	5.307937	5.363329	5.47622	5.455925	5.384788	5.353134	5.394214	5.191165
IGSF8	ENSG0000	-0.19348	5.770011	-1.14259	0.268621	0.385178	-6.71064	5.98955	5.948154	5.99598	4.971905	4.801196	4.696497	5.925627	5.813157	6.043926	6.116785	6.018435	6.180741	6.162044	6.095271	6.106375	5.838454	5.917862	5.754064
PEA15	ENSG0000	-0.09549	7.572553	-1.22842	0.235574	0.347265	-6.78359	7.655237	7.57097	7.60604	7.281613	7.266567	7.250731	7.475831	7.363468	7.386545	7.715681	7.558085	7.681039	7.929624	7.885913	7.863121	7.657093	7.629605	7.670739
PEX19	ENSG0000	-0.1538	6.009656	-4.06479	0.000766	0.00377	-1.26275	6.157402	6.218461	6.104547	5.946944	5.962929	6.044692	5.913358	6.012346	6.038775	6.072047	6.135682	6.081709	6.011444	5.980438	6.022499	5.915499	6.032367	5.936917
NCSTN	ENSG0000	0.038118	8.111248	0.779414	0.446162	0.566826	-7.25485	7.898248	7.869078	7.890376	8.685249	8.557656	8.675735	7.902459	7.849817	7.916698	7.904974	7.928957	7.874218	8.422213	8.39116	8.424231	7.960602	7.940453	8.009325
FCRLB	ENSG0000	-0.83502	1.290578	-6.44584	5.28E-06	7.76E-05	4.268513	1.336422	1.226787	1.30847	0.934951	1.006428	1.055701	1.240874	0.824004	1.01237	3.255856	3.330936	3.555853	2.178139	2.169719	2.014873	2.639009	2.518186	2.629903
KLHDC9	ENSG0000	0.225397	0.65729	1.084342	0.292945	0.411653	-5.60349	0.814199	0.736739	0.898566	1.326771	1.556428	1.799787	0.670238	0.387194	0.629397	1.490718	1.672391	1.305813	2.738794	2.729118	2.618601	1.880661	1.956613	1.775544
C1orf74	ENSG0000	-0.28512	3.760996	-3.05407	0.007006	0.021884	-3.01682	4.416666	4.429669	4.531653	3.766043	3.574682	3.643939	4.023335	3.967564	3.808383	4.037631	3.709078	3.872611	3.395624	3.583837	3.454098	3.842237	3.765107	3.831562
FLVCR1	ENSG0000	0.217563	5.667125	3.157267	0.005603	0.018443	-3.18251	5.819295	5.798943	5.81496	5.667647	5.72937	5.688828	6.227647	6.225736	6.195117	5.685984	5.709818	5.631871	5.090337	5.026432	5.108223	5.682493	5.757443	5.687573
ATF3	ENSG0000	-1.02448	4.059406	-3.1423	0.005788	0.018946	-2.83782	6.035255	6.120531	6.071137	4.112999	3.722109	3.700636	4.437325	4.55497	4.372382	3.629659	3.398501	3.585074	3.416036	3.688714	3.843644	3.341669	3.520448	3.352387
RBM15	ENSG0000	0.019569	4.351066	0.265234	0.793932	0.856729	-7.01288	4.785446	4.733688	4.777019	4.605448	4.470555	4.48682	4.968851	5.028565	4.889843	4.337085	4.407337	4.289577	3.840269	3.745389	3.727354	4.21775	4.041704	4.305185
DENND2D	ENSG0000	0.092214	1.187844	0.909749	0.37533	0.497703	-6.56575	0.318509	0.106501	0.421314	0.258133	0.389229	0.3528	0.269385	0.387194	0.256032	4.809665	4.709571	4.66833	4.912595	4.847068	4.981384	4.805497	4.699246	4.874064
IER5	ENSG0000	-0.04813	7.133473	-0.96524	0.347592	0.468777	-7.03701	7.808421	7.877373	7.901507	6.75467	6.81811	6.680757	7.787846	7.65834	7.707832	7.106895	7.183841	7.288867	6.108702	6.134259	6.076316	7.36638	7.207696	7.143608
SNED1	ENSG0000	0.667574	3.366415	3.522173	0.002525	0.009775	-1.77511	3.236881	3.505362	3.347346	5.132645	5.079986	5.171943	4.339849	4.203129	4.313883	2.163418	2.267764	2.07201	4.191564	4.132949	3.880413	2.283004	2.315011	2.252429
BPNT1	ENSG0000	-0.14916	5.561091	-1.4415	0.16712	0.265895	-6.30398	5.417718	5.569905	5.458019	5.087795	4.782991	4.874612	5.498697	5.629937	5.392079	5.982583	5.994071	5.930545	5.977511	5.953629	5.955152	5.712133	5.694037	5.769665
SPATA17	ENSG0000	0.006239	1.26538	0.027846	0.9781	0.985643	-6.28857	1.681202	1.631689	2.018628	1.978268	1.2379	1.714252	1.074544	1.430416	2.047395	1.555182	1.777644	1.780195	2.225168	2.50126	2.058312	1.903678	1.878239	1.877799
C1orf115	ENSG0000	0.513475	2.510707	2.257393	0.037044	0.081864	-4.05395	4.044416	4.177623	4.145977	5.499001	5.458224	5.448454	4.544628	4.610649	4.613192	1.116489	1.029669	1.126631	1.121891	1.16289	1.209118	1.45147	1.645686	1.170016
BROX	ENSG0000	-0.06411	5.738392	-1.17219	0.25685	0.371667	-6.61896	6.143557	6.067143	6.084222	5.993618	5.876854	6.000211	6.146113	6.090306	6.01011	5.506075	5.504735	5.478369	5.508262	5.642809	5.568761	5.338427	5.449467	5.391714
NBPF20	ENSG0000	-0.22701	2.675044	-1.74082	0.09929	0.177806	-5.17697	2.850396	2.748839	2.900124	2.91067	2.991399	3.321269	2.513265	2.753138	2.616448	3.206534	3.232543	2.902498	2.902055	2.743101	2.76998	2.878584	2.741225	3.107809
ACP6	ENSG0000	-0.04571	5.458705	-0.48083	0.636598	0.73521	-7.20984	5.641082	5.546688	5.506038	4.59836	4.764552	4.803913	5.173034	5.348128	5.265504	5.866711	5.75079	5.765503	5.675625	5.646534	5.781349	5.951842	5.862958	5.936917
TFB2M	ENSG0000	-0.18732	5.986606	-2.07898	0.052639	0.107953	-5.31536	6.78109	6.744686	6.771358	6.159327	6.159196	6.057773	6.552364	6.591862	6.500674	5.564009	5.525662	5.705565	5.525587	5.593492	5.607658	5.505727	5.417494	5.442654
CNST	ENSG0000	0.153461	5.394959	2.61682	0.017759	0.045771	-4.22481	5.346988	5.482886	5.228093	5.800209	5.647884	5.688828	5.597858	5.711779	5.623012	5.293423	5.196089	5.236474	5.331496	5.421557	5.345877	5.297735	5.282007	5.214151
PPP1R21	ENSG0000	0.007126	4.794287	0.07436	0.941568	0.962241	-7.1567	4.758449	4.756352	4.676925	4.797189	4.70778	4.740428	4.504297	4.511753	4.585199	4.81954	4.709571	4.708717	5.487516	5.368419	5.46364	4.879929	4.769683	5.019105
PKDCC	ENSG0000	0.021571	1.246539	0.16053	0.874304	0.915684	-6.16095	2.165157	2.49222	2.326135	2.548252	2.633282	2.741673	2.340763	2.290412	2.34318	1.199504	1.300837	1.061592	1.154653	1.282615	1.456457	1.214313	1.206659	1.170016
B3GALNT2	ENSG0000	-0.01107	5.050369	-0.23534	0.816682	0.874324	-7.19087	5.019487	5.084762	5.134153	5.041505	4.966263	4.956049	5.093706	5.112925	5.112107	5.170202	5.097884	5.113515	5.202303	5.10974	5.220033	5.129758	5.021374	5.119922
MAPKAPK2	ENSG0000	-0.01682	6.800448	-0.4533	0.655909	0.752016	-7.38153	6.761961	6.684506	6.674569	6.361268	6.291721	6.422153	6.593315	6.61587	6.568371	7.146663	7.11207	7.149114	6.941858	6.892465	6.852145	7.217031	7.167755	7.199802
FCMR	ENSG0000	0.235581	-0.92897	1.18068	0.253549	0.368123	-5.59591	0.216396	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	1.964162	1.899254	2.25768	2.25569	2.549802	2.294605	2.135245	2.212266	2.549558
CAPN2	ENSG0000	1.054305	8.94709	14.4305	3.81E-11	9.68E-09	15.75039	8.38115	8.321101	8.379401	8.760211	8.795315	8.760518	9.108076	9.149311	9.094729	8.412834	8.457014	8.404972	9.292918	9.268619	9.317463	9.745394	9.71485	9.74117
MRPL55	ENSG0000	-0.37485	5.013283	-3.4955	0.002677	0.01026	-2.30724	6.083187	6.083368	6.26418	5.195063	5.253089	5.183924	5.620676	5.45466	5.602211	4.557665	4.602618	4.745417	4.222798	4.279275	4.431851	4.697684	4.629187	4.236277
OBSCN-AS1	ENSG0000	0.850645	1.106495	5.451838	3.91E-05	0.000367	2.368242	1.12723	1.118985	1.358564	1.791994	1.864131	1.714252	1.525136	1.658879	1.918715	1.315703	1.335727	1.219002	2.504718	2.250257	2.365487	2.013561	1.795362	1.703111
WDR26	ENSG0000	-0.1118	7.250282	-3.26927	0.004391	0.015174	-3.11433	7.400428	7.476529	7.45305	7.502737	7.480317	7.505873	7.388783	7.447094	7.358911	7.15968	7.166381	7.09935	7.051388	7.154888	7.133645	6.956542	6.955933	6.991305
REL	ENSG0000	0.010434	3.936198	0.069658	0.945257	0.964431	-6.88597	4.625314	4.760843	4.795321	4.041626	4.213935	4.473866	4.889651	4.831761	4.66091	3.50465	3.455132	3.269454	3.658044	3.614588	3.849837	3.350072	3.394711	3.31642
PUS10	ENSG0000	-0.263	2.448732	-1.77775	0.092847	0.16844	-5.07733	3.128595	3.100202	2.794903	2.577385	2.078331	2.374422	3.072345	2.801791	3.023464	3.002038	2.66072	2.766268	2.661114	2.533802	2.703134	2.35157	2.500854	2.549558
PEX13	ENSG0000	-0.14878	5.484513	-2.11315	0.049253	0.102455	-5.23866	5.180696	5.099019	5.033667	4.99368	4.825118	4.979151	5.277239	5.356295	5.197793	6.120784	6.109458	6.133064	5.886577	5.841114	5.921732	5.77121	5.798808	5.815479
KIAA1841	ENSG0000	-0.04099	2.933691	-0.32964	0.745589	0.821301	-6.61754	3.262728	3.222448	3.148134	3.142765	3.053471	3.016392	3.158032	3.250449	3.468658	2.868884	2.958081	3.077191	3.325419	3.38415	3.244428	2.831347	3.058015	2.668457
DISC1	ENSG0000	-0.57221	1.366591	-3.14356	0.005772	0.018912	-2.26379	2.780548	2.232543	2.248556	2.887595	2.520598	2.581827	1.917967	1.85606	1.727075	1.388276	1.435603	1.248523	1.99126	1.946191	1.876113	1.177011	0.975239	1.370407
CAPN13	ENSG0000	-0.12785	-0.06145	-0.9767	0.342046	0.462919	-6.2414	0.106501	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	3.805587	4.122698	3.696374	4.110387	4.073319	4.029733	3.493521	3.903444	3.734962
MEMO1	ENSG0000	0.017952	1.198288	0.094185	0.926033	0.951167	-6.18174	1.826927	2.283367	2.274882	2.181668	2.299368	2.132113	2.480375	2.108984	2.274723	1.352446	1.190799	1.49011	1.473091	1.528499	1.390007	1.482378	1.289746	0.872651
DPY30	ENSG0000	-0.29236	5.830498	-3.68489	0.001766	0.007324	-2.0751	6.266821	6.244347	6.119151	5.591153	5.554381	5.411567	5.83422	5.871301	5.866318	5.948488	5.958134	5.998365	5.802503	5.871668	5.855558	5.707235	5.766537	5.754064
TYW5	ENSG0000	0.234914	4.257705	3.03937	0.007231	0.022414	-3.14958	4.445163	4.574447	4.406272	4.254996	4.352066	4.178918	4.695544	4.734864	4.613192	4.076585	4.051023	4.025385	4.114557	4.372183	4.261115	4.306784	4.304002	4.255399
MAIP1	ENSG0000	-0.10846	4.524413	-1.10901	0.282454	0.399979	-6.49849	4.909255	5.106095	5.006431	4.290615	4.213935	4.045196	4.673889	4.771967	4.732845	4.588795	4.494836	4.621149	4.483553	4.442428	4.398437	4.530299	4.70304	4.587619
KCNF1	ENSG0000	0.218879	3.024717	1.86429	0.079166	0.149287	-4.97212	4.165822	4.204245	4.215584	3.647423	4.051057	3.572823	4.496094	4.316298	4.33084	2.100009	2.285719	2.53427	2.314863	2.250257	2.161508	2.597261	2.601856	2.397196
SLC66A3	ENSG0000	-0.13819	3.982723	-0.68787	0.500562	0.617541	-6.6458	4.785446	4.877086	4.790768	4.236852	4.368438	4.358792	4.384974	4.405576	4.534865	3.294134	3.278101	3.297971	4.126992	4.195307	4.199397	3.530961	3.32748	3.477085
ARL5A	ENSG0000	-0.09971	6.447156	-1.27782	0.218023	0.326909	-6.60457	6.596508	6.598061	6.626822	6.768946	6.649161	6.675109	6.755021	6.747438	6.696557	6.533567	6.517279	6.471835	5.983222	6.077446	6.080272	6.219429	6.175789	6.18811
LRATD1	ENSG0000	0.296084	2.912791	4.223861	0.000541	0.002864	-0.75797	0.587539	0.582935	0.421314	0.934951	1.373859	1.250575	1.074544	0.622068	0.925731	5.77326	6.039753	5.8878	6.770139	6.819276	6.805904	6.171633	6.226757	6.092105
CLHC1	ENSG0000	0.083071	1.674442	0.529142	0.603363	0.705964	-6.24753	1.755904	1.591918	1.744977	2.021307	2.117603	2.374422	1.648695	2.290412	1.38134	2.282443	2.212518	2.16783	2.371704	2.307842	2.513282	2.173627	2.146913	2.549558
PRORSD1P	ENSG0000	-0.16479	-0.28825	-0.74994	0.463264	0.58335	-5.82047	0.503316	0.316291	0.421314	0.395333	0.389229	0.746642	0.415731	0.726566	0.515351	1.555182	1.300837	1.653508	1.733794	1.897007	1.970087	1.214313	1.16325	1.370407
DUSP19	ENSG0000	-0.09844	0.613068	-0.21658	0.831046	0.884582	-6.00038	2.369288	2.356396	2.138168	1.978268	2.117603	1.993763	2.480375	2.290412	2.127218	0.269074	0.848253	0.958181	1.473091	0.986036	1.390007	0.393424	0.433238	0.999041
CFAP36	ENSG0000	-0.20197	5.355606	-3.10062	0.006335	0.020312	-3.19264	5.883176	5.83559	5.854773	5.946944	5.919145	6.015936	5.59402	5.543171	5.515873	4.86157	4.872886	4.828401	5.363378	5.375169	5.350253	4.796302	4.725598	4.802199
NUP35	ENSG0000	0.184982	4.867823	2.300744	0.033962	0.076478	-4.76583	4.69816	4.783088	4.647003	4.733909	4.635214	4.627987	5.198536	5.178875	5.174497	5.060666	4.942447	4.979091	4.980412	4.968095	5.025827	5.018176	4.965609	4.914724
CCDC138	ENSG0000	0.19743	3.337737	2.048682	0.055816	0.113085	-4.90617	3.454357	3.57841	3.454879	3.083078	2.970101	3.200652	3.988671	3.956862	3.60036	3.914031	3.722323	3.769472	2.770846	2.824271	2.858649	3.894879	3.772348	3.914098
FBXO41	ENSG0000	0.43455	3.414851	4.276239	0.000482	0.002621	-0.53759	1.719036	1.591918	1.667608	2.840308	2.299368	2.581827	1.867984	1.710758	2.239236	5.085433	5.000678	5.043664	5.280456	5.238714	5.173877	5.442295	5.547687	5.403191
WDCP	ENSG0000	0.00562	5.033322	0.08932	0.929843	0.953886	-7.21193	5.325688	5.181722	5.238162	5.15214	4.694855	5.068031	5.198536	5.298133	5.131593	5.071726	4.953722	5.058324	4.96202	4.913495	4.950015	5.075046	5.036489	5.102428
SMC6	ENSG0000	-0.13939	5.636943	-1.55159	0.13868	0.230158	-6.099	6.169409	6.146502	6.151479	6.248061	6.214581	6.242871	6.132946	6.194191	5.975483	5.449962	5.459973	5.388409	4.848959	4.888549	4.923833	5.20581	5.157568	5.239981
CCDC74A	ENSG0000	0.316485	0.485777	1.136284	0.271178	0.387752	-5.35099	2.320899	2.232543	2.166567	2.714828	3.295295	3.069023	1.966276	2.511284	2.274723	0.34397	0.259702	0.397516	1.121891	0.784432	0.812339	0.517985	0.759002	0.497646
H3-3A	ENSG0000	0.18526	7.75151	3.639899	0.00195	0.007937	-2.35421	7.5097	7.52749	7.494946	8.156271	8.120623	8.078121	7.781953	7.825757	7.754925	7.633161	7.572784	7.581609	7.840877	7.866881	7.826295	7.70865	7.667965	7.704757
COQ8A	ENSG0000	-0.72652	4.12496	-6.43403	5.40E-06	7.89E-05	4.016015	4.543331	4.584615	4.307715	3.487804	3.820593	3.776446	3.370387	3.214961	3.254305	4.762664	4.872886	4.840568	4.633447	4.671739	4.584502	4.365992	4.473517	4.299055
SLC16A14	ENSG0000	0.624922	4.404522	4.538896	0.000272	0.001653	0.0158	2.815895	3.169391	3.06005	4.392481	4.470555	4.434292	4.393833	4.212157	4.380548	4.812964	4.726103	4.881185	5.188526	5.22881	5.260115	5.163525	5.069195	5.073988
SGCB	ENSG0000	0.159064	5.162686	2.881834	0.010142	0.029416	-3.63439	5.027048	5.08834	5.180147	5.591153	5.74826	5.713835	5.131269	5.293887	5.107194	4.842324	4.890593	4.771071	5.284162	5.404061	5.4817	5.041713	5.066252	5.019105
SPATA18	ENSG0000	-0.85666	0.247441	-3.04748	0.007106	0.022118	-2.32369	3.643304	3.505362	3.586821	4.316764	4.213935	4.233737	3.137083	2.960209	2.82232	0.269074	0.259702	0.397516	0.352262	0.345231	0.335616	0.106501	0.106501	0.214669
NOSTRIN	ENSG0000	0.037311	-0.07072	0.129872	0.89815	0.932116	-5.9167	1.826927	1.708084	1.78216	1.519216	2.078331	1.993763	1.816207	1.85606	1.873138	0.7264	0.583785	0.397516	0.294634	0.484926	0.533283	0.326864	0.504542	0.805046
SGPP2	ENSG0000	0.3062	3.632742	3.689886	0.001747	0.007267	-1.66896	2.798329	2.935191	2.739267	3.633621	3.6964	3.711713	3.137083	3.26787	3.124172	3.77884	4.23323	3.919248	4.707079	4.596713	4.688381	4.098126	4.237539	4.376785
INHBB	ENSG0000	-0.20005	5.304755	-0.97093	0.34483	0.465978	-6.94064	4.538049	4.553894	4.616447	2.181668	2.366112	1.623325	2.779728	2.777669	2.530983	7.747497	7.74733	7.872442	7.617831	7.605017	7.577516	7.958199	7.818086	7.839684
BBS5	ENSG0000	-0.39214	3.147082	-2.6909	0.015205	0.040532	-3.58023	3.936145	3.863696	4.117166	3.020814	3.378481	3.119801	3.555458	3.160038	3.357206	3.145032	3.166245	3.109727	3.149671	3.213858	3.253801	3.123735	2.813204	3.107809
SMARCAD1	ENSG0000	0.13615	5.989661	2.666704	0.015998	0.042196	-4.23271	5.781799	5.896035	5.910407	6.036208	5.946666	5.986596	5.952856	5.943547	6.031013	5.905864	5.927012	5.855788	6.2781	6.3253	6.314389	6.004695	6.102991	6.036078
PDLIM5	ENSG0000	0.166379	8.027751	1.238678	0.231843	0.342937	-6.79495	7.504293	7.484697	7.482293	8.497019	8.376265	8.483935	8.060319	8.107986	8.09105	8.164929	8.153345	8.153419	8.053144	8.042884	8.146775	7.889958	7.947667	7.964518
RPRD2	ENSG0000	0.040038	6.45352	1.345522	0.195654	0.299903	-6.53777	6.550034	6.544374	6.443147	6.229828	6.261358	6.267477	6.524402	6.515521	6.530339	6.573994	6.580465	6.561304	6.319321	6.340326	6.325543	6.661395	6.624981	6.615597
CTSS	ENSG0000	-0.25222	5.741678	-1.5839	0.131143	0.220449	-6.13921	4.846543	5.081176	4.95851	4.797189	4.7142	4.740428	5.223595	5.289629	5.179186	6.551455	6.546428	6.502024	7.130205	7.072144	7.07471	6.029758	6.135644	6.059839
MSX1	ENSG0000	-0.7405	0.320362	-1.67559	0.111614	0.194636	-4.67048	4.702888	4.629503	4.647003	3.503067	3.656958	3.405543	3.891945	3.736817	3.844255	0.415169	0.106501	0.288049	0.106501	0.190544	0.106501	0.393424	0.358227	0.315289
PACRGL	ENSG0000	-0.38513	4.841429	-3.87751	0.001156	0.005254	-1.50821	5.187459	5.113136	4.994599	4.299384	4.400635	4.256608	4.659269	4.637703	4.542164	5.230663	5.160041	5.265644	5.182581	5.13912	5.231938	4.914336	4.996855	4.878182
LYSMD1	ENSG0000	-0.27132	4.275298	-4.93966	0.000115	0.000844	0.906017	4.381709	4.336476	4.16017	4.072648	4.030628	3.97338	4.068294	4.147745	4.00079	4.667452	4.709571	4.835713	4.499582	4.596713	4.444184	4.450484	4.414575	4.536426
SCNM1	ENSG0000	-0.15527	5.472503	-1.61018	0.125269	0.212862	-6.05052	5.460225	5.272573	5.293935	4.839889	4.789085	4.903882	5.131269	5.068879	5.052019	5.92276	5.776414	5.89715	6.138693	6.107484	6.106375	5.764939	5.773771	5.832557
VPS72	ENSG0000	-0.14909	6.586296	-2.20461	0.041145	0.088995	-5.21017	6.435391	6.329943	6.315808	5.85774	6.064398	5.940258	6.051319	6.107342	6.336161	7.110251	7.042493	7.074324	7.137906	7.108382	7.037208	6.951028	7.024249	6.921193
ERCC3	ENSG0000	0.21839	6.6218	3.92499	0.001042	0.00484	-1.64349	6.208169	6.221723	6.239328	6.624643	6.604936	6.740116	6.651719	6.656119	6.601937	6.73571	6.70911	6.687915	6.847322	6.822572	6.813054	6.811187	6.730986	6.759829
RNF149	ENSG0000	1.177626	5.35776	17.48745	1.63E-12	1.11E-09	18.92713	4.584905	4.594711	4.498524	5.85774	5.77614	5.870309	5.863212	5.975709	5.860491	4.61171	4.588222	4.601264	5.897506	5.933952	5.876944	5.655626	5.526431	5.575386
IWS1	ENSG0000	-0.23815	6.431465	-6.32181	6.73E-06	9.44E-05	3.495856	6.722924	6.770524	6.691769	6.676049	6.555743	6.614431	6.428516	6.461656	6.48561	6.420236	6.382987	6.495113	6.222205	6.222995	6.24324	6.202126	6.256754	6.225761
BOLA3	ENSG0000	0.181514	4.89323	3.704781	0.001691	0.00708	-1.87699	5.313374	5.29442	5.217952	4.898777	4.900234	4.798728	5.42715	5.412203	5.412136	4.896201	4.742447	4.783729	4.25337	4.205443	4.411058	5.004933	5.012228	5.01537
CDC42EP3	ENSG0000	-0.30956	6.810368	-2.50984	0.022177	0.054608	-4.65559	6.133086	6.013586	6.097189	5.918767	5.8095	5.937902	5.125963	5.155666	5.252213	7.655387	7.685698	7.716462	8.430389	8.457332	8.469682	7.683933	7.663103	7.703017
S100A11	ENSG0000	0.310553	8.879977	8.764918	8.26E-08	3.19E-06	7.849718	8.751187	8.785661	8.751602	8.943045	8.941659	8.934299	9.025344	8.940772	9.036161	8.627136	8.63301	8.590215	8.927769	9.01458	9.014938	8.986575	8.995104	8.997817
DHX57	ENSG0000	-0.04255	5.61128	-0.92083	0.369674	0.491483	-6.87153	5.641082	5.496413	5.623372	5.824713	5.661235	5.735705	5.539183	5.443204	5.485906	5.569872	5.579421	5.567446	5.848285	5.849217	5.947952	5.522553	5.549795	5.663916
S100A9	ENSG0000	0.019192	0.574574	0.04514	0.964507	0.976783	-5.95284	4.309146	4.204245	4.003689	2.688367	2.660129	2.605775	3.891945	4.030158	4.132351	0.190076	0.185134	0.230035	0.5125	0.26996	0.470356	0.393424	0.358227	0.497646
TGFA	ENSG0000	-0.01227	4.407995	-0.11902	0.90662	0.938308	-7.31181	3.300651	3.155816	3.443319	2.518519	2.299368	2.22781	2.376953	2.420731	2.530983	6.780215	6.951224	6.777342	5.47622	5.412836	5.354615	6.948263	6.982713	6.922191
CCNYL1	ENSG0000	0.131571	6.16981	0.673882	0.509201	0.624574	-7.13611	6.201502	6.213556	6.176132	7.141122	7.076608	7.010627	6.375839	6.4233	6.472298	5.970815	5.966507	6.056895	5.464835	5.489494	5.352435	5.992668	5.977034	6.088556

FZD5	ENSG0000	0.493071	5.927681	5.105276	8.09E-05	0.000642	1.06928	6.153953	6.325403	6.344057	6.937112	6.801626	6.760261	7.063352	7.005467	7.033402	5.057888	5.235883	5.127485	5.237136	5.203748	5.128745	5.312861	5.302159	5.174518
DCAF16	ENSG0000	-0.04259	5.701001	-0.96847	0.34602	0.467238	-6.86894	5.230664	5.253581	5.234814	5.529135	5.431202	5.45506	5.178171	5.319175	5.207006	6.195997	6.159004	6.047478	6.227027	6.227976	6.247937	6.013979	6.009569	6.183125
GNPDA2	ENSG0000	0.521141	5.065872	6.764378	2.86E-06	4.89E-05	4.575819	5.200891	5.191734	5.176661	5.573188	5.596688	5.631655	5.872748	5.910652	5.806958	4.417313	4.335892	4.362268	4.968945	4.959137	4.929692	4.67445	4.70304	4.7174
PAQR3	ENSG0000	-0.14381	4.810233	-2.86675	0.010474	0.030163	-3.68472	4.984965	4.953612	4.89628	4.199863	4.091068	4.146631	4.832157	4.976535	4.732845	5.409124	5.361828	5.304813	4.679202	4.686287	4.735974	5.278052	5.126826	5.164438
NIPAL1	ENSG0000	-0.31089	3.663668	-1.89328	0.074998	0.142845	-5.3625	4.351916	4.262405	4.208773	1.840866	1.996426	2.22781	3.219115	3.659726	3.681923	4.660143	4.765022	4.48516	3.855296	3.806595	3.939687	4.422866	4.547132	4.632189
ANTXR2	ENSG0000	0.717074	5.718005	5.284481	5.54E-05	0.000476	1.411273	5.682365	5.577561	5.676178	5.55133	5.221894	5.334836	6.908164	6.842069	6.871895	5.651384	5.639998	5.689511	4.933985	5.003379	5.236673	5.971038	5.798808	5.876446
HELQ	ENSG0000	-0.06446	3.135057	-0.54174	0.594835	0.698511	-6.60241	3.313074	2.935191	3.119366	3.123142	3.012388	3.391835	3.388228	3.302095	3.306673	3.403229	3.278101	3.48321	3.663745	3.568213	3.486261	2.935534	3.287607	3.352387
MRPS18C	ENSG0000	-0.17952	4.849639	-3.22794	0.004805	0.016349	-2.93254	5.038315	4.925889	4.840087	4.112999	4.276	4.315882	4.751751	4.722281	4.732845	5.342194	5.338363	5.40489	4.848959	4.934974	5.023089	5.221925	5.149249	5.259054
CGGBP1	ENSG0000	0.291135	6.039873	3.329972	0.003846	0.013655	-2.85629	5.966143	5.998455	5.904096	6.130133	6.140251	6.198283	6.602897	6.59359	6.541308	5.924286	5.9054	5.818136	5.916734	6.012542	5.873908	5.829467	5.901444	5.872323
ABRAXAS1	ENSG0000	-0.53022	3.640949	-4.24492	0.000516	0.00277	-0.40454	4.158957	4.342481	4.087767	3.674639	3.734793	3.818042	3.555458	3.564249	3.572114	3.651939	3.66174	3.754117	4.097807	4.011117	3.968435	3.236813	3.337278	3.421736
GPR155	ENSG0000	-0.19598	1.478493	-1.29067	0.213629	0.321777	-5.3803	2.548084	2.576149	2.558197	3.408969	3.574682	3.377995	2.226405	2.451551	2.408535	1.199504	1.07167	1.219002	1.446877	1.622273	1.51998	1.286141	0.871168	1.115245
PMVK	ENSG0000	0.441082	5.615722	6.49313	4.82E-06	7.24E-05	3.93024	5.135946	5.127117	5.086643	5.794018	5.806499	5.767901	5.687041	5.882654	5.741885	5.471	5.463921	5.66235	5.868176	5.926312	5.821296	5.863618	5.811165	5.717759
PBXIP1	ENSG0000	0.498296	6.658277	3.207627	0.005022	0.01694	-3.15964	5.853716	5.934306	5.918779	7.136235	7.253404	7.252628	6.257073	6.182756	6.1928	5.895008	5.919844	5.809496	8.408059	8.320932	8.305885	6.417342	6.52992	6.567956
CLDN1	ENSG0000	-0.55026	7.136306	-2.09758	0.05077	0.104951	-5.39099	8.935727	8.92722	8.929146	7.406588	7.358568	7.341777	8.087873	8.032276	8.03718	6.062376	6.031795	6.087847	6.618395	6.527691	6.548502	5.939365	5.87478	5.950669
PYGO2	ENSG0000	-0.06448	6.819679	-1.33041	0.200482	0.30543	-6.5991	6.516856	6.433424	6.443147	6.438717	6.442385	6.422153	6.660922	6.51187	6.513727	7.250691	7.199908	7.333458	7.215651	7.191044	7.179857	7.122703	7.043081	7.077993
HIPK1	ENSG0000	0.430736	5.98575	6.008111	1.26E-05	0.000152	2.886355	5.214199	5.224615	5.344527	5.694487	5.703792	5.757249	6.054115	6.030322	5.94552	6.265076	6.264627	6.147827	6.394967	6.408816	6.42638	6.384993	6.438428	6.48263
DCST2	ENSG0000	-0.16459	0.159358	-0.486	0.633006	0.732114	-5.90576	1.430644	0.582935	1.406977	1.457877	1.087782	1.623325	0.886508	1.001115	0.39151	1.073118	0.848253	0.807652	1.878105	1.681564	1.580823	0.837776	1.289746	0.999041
INAVA	ENSG0000	0.022746	4.00901	0.173933	0.863917	0.908705	-7.23039	2.526909	1.978677	2.166567	2.518519	2.811499	2.825643	1.525136	1.549165	1.620777	6.405012	6.341745	6.460843	5.988911	5.929373	5.857096	6.528878	6.524569	6.440088
LINC01116	ENSG0000	0.05996	1.119947	0.283488	0.780133	0.846006	-6.44321	1.069823	1.420874	1.30847	0.52061	1.2379	0.746642	0.415731	0.824004	1.0941	2.494552	2.388995	2.724859	2.930712	2.627242	2.870883	2.901634	2.813204	2.687355
YY1AP1	ENSG0000	0.259766	6.214069	4.932123	0.000117	0.000855	0.598977	5.866415	5.891946	5.887131	6.102842	6.084358	6.092086	6.346481	6.341331	6.306464	6.233415	6.279264	6.311497	6.487083	6.431661	6.397073	6.406303	6.345603	6.404842
KBTBD8	ENSG0000	-0.28775	1.843682	-2.7407	0.01369	0.037358	-3.41553	1.719036	1.883052	1.585853	1.022291	1.087782	1.310092	2.102195	1.760835	1.674905	3.376719	3.478738	3.470739	2.270712	2.48471	2.513282	3.218571	2.934355	3.050576
EOGT	ENSG0000	-0.14962	4.459893	-2.33368	0.031781	0.072461	-4.55797	4.842264	4.856254	4.986657	4.96641	4.894593	4.983728	4.799197	4.759705	4.66091	4.20268	4.278766	4.355501	4.126992	4.250194	4.134921	4.262954	4.178806	3.969186
NAXE	ENSG0000	0.144473	6.968221	2.653103	0.016461	0.043099	-4.34628	7.440613	7.446878	7.489336	7.541135	7.605594	7.523267	7.537086	7.462307	7.462563	6.257831	6.169921	6.255346	6.698346	6.666234	6.619099	6.490433	6.557426	6.434506
POGLUT1	ENSG0000	0.392668	4.442642	6.827322	2.54E-06	4.52E-05	4.739143	4.102823	3.96057	3.914407	4.440838	4.318753	4.365821	4.520565	4.511753	4.599264	4.505601	4.599033	4.491347	4.813494	4.866361	4.772296	4.736662	4.847164	4.832225
SLC22A15	ENSG0000	0.215841	0.086596	1.114481	0.280164	0.397448	-5.69859	0.587539	0.316291	0.421314	0.258133	0.625525	0.563119	0.415731	0.253663	0.256032	2.033684	2.212518	1.915176	2.579013	2.784257	2.465679	2.26534	2.665466	2.033602
IGFN1	ENSG0000	-0.80708	1.092217	-2.65307	0.016462	0.043099	-3.19185	3.911847	3.888531	4.167214	1.74141	2.520598	2.317553	2.779728	3.083395	2.981126	0.781331	1.112482	0.807652	0.701742	0.26996	0.470356	0.974502	0.975239	1.273688
ATP1A1	ENSG0000	-0.16646	9.404578	-1.39842	0.17948	0.280915	-6.69861	9.042398	9.06273	9.019496	9.30709	9.296363	9.328519	8.657202	8.596637	8.632832	9.904269	9.920852	9.89193	9.598927	9.622733	9.624075	9.952041	9.944544	9.921454
EIF4E3	ENSG0000	0.312874	1.65497	1.750937	0.097487	0.175317	-4.77962	3.27548	3.298545	3.231147	3.376187	3.502343	3.572823	3.474265	3.415864	3.289427	0.609835	0.89579	0.846782	1.420179	1.357245	1.209118	1.13872	1.329561	1.058313
LRRC58	ENSG0000	-0.16503	6.752857	-4.39681	0.000371	0.002123	-0.61255	7.295562	7.229213	7.283513	6.882719	6.86502	6.922796	7.189535	7.194975	7.13465	6.7331	6.654018	6.639292	6.187994	6.1514	6.111539	6.434237	6.403878	6.49609
FSTL1	ENSG0000	1.267368	3.091454	5.38402	4.50E-05	0.000408	2.199279	7.334929	7.413757	7.408415	7.995595	8.005611	8.004592	8.744628	8.602227	8.712225	0.483018	0.330605	0.397516	0.5125	0.416769	0.470356	0.326864	0.358227	0.409347
ELF3	ENSG0000	-0.88186	5.101919	-11.3408	1.74E-09	1.69E-07	12.02367	4.428132	4.236845	4.307715	4.171485	4.158524	3.991672	3.072345	2.981485	3.124172	6.582718	6.628743	6.753088	6.955868	6.933441	7.011884	5.94631	5.930863	5.834677
TMEM183A	ENSG0000	-0.01175	6.10135	-0.20338	0.841186	0.892573	-7.34409	6.553964	6.524706	6.486032	6.44268	6.379154	6.363663	6.727255	6.519163	6.582599	5.766469	5.684664	5.85938	5.764537	5.826412	5.761774	5.699035	5.659306	5.627686
IGFBP7	ENSG0000	3.265665	-0.46473	9.532194	2.42E-08	1.28E-06	7.779556	0.216396	0.661886	0.598525	2.063099	2.429905	2.346268	1.70672	2.069791	2.047395	0.190076	0.185134	0.106501	1.121891	1.16289	1.129895	0.884806	0.637375	0.659518
TRIM46	ENSG0000	0.510081	0.466676	3.2595	0.004486	0.015425	-2.21296	0.318509	0.410755	0.512639	0.258133	0.625525	0.563119	0.415731	0.253663	0.515351	2.543041	2.500824	2.314614	3.456014	3.131201	3.064395	2.807136	3.093137	2.912845
KRTCAP2	ENSG0000	-0.40785	1.194376	-1.69667	0.107494	0.189181	-4.90031	1.602421	1.277811	1.585853	2.103714	1.373859	2.098749	1.317361	1.430416	1.873138	1.964162	2.338281	1.73919	1.916818	1.897007	2.449456	1.286141	1.478665	1.775544
ARPC2	ENSG0000	0.497596	8.011063	14.17863	5.06E-11	1.22E-08	15.49104	7.66193	7.712143	7.675	8.000981	8.019932	8.014131	8.067949	8.120027	8.119386	7.807033	7.807214	7.84311	8.060726	8.135581	8.114986	8.40642	8.342805	8.394985
TSACC	ENSG0000	-0.78509	0.797032	-4.19389	0.000578	0.003015	-0.13077	1.990546	2.152784	1.921989	1.519216	1.006428	1.367251	1.525136	1.301009	1.244857	1.704765	1.699433	1.562415	1.336984	1.495836	1.129895	0.974502	1.478665	1.416439
CCT3	ENSG0000	0.068352	9.718543	2.912757	0.009493	0.027908	-4.03687	9.873573	9.851247	9.80997	9.704972	9.753417	9.727687	9.907861	9.89905	9.891298	9.647981	9.607043	9.601755	9.520384	9.514287	9.555505	9.715827	9.677372	9.706563
TMEM79	ENSG0000	0.642727	3.940782	6.739176	3.00E-06	5.06E-05	4.650079	3.337603	3.128277	3.359697	3.851999	3.878897	3.75519	4.174919	4.09991	4.279358	3.93235	3.913441	3.928397	4.718081	4.634714	4.62479	4.365992	4.400624	4.329449
SSR2	ENSG0000	0.350785	8.833183	7.061662	1.63E-06	3.17E-05	4.771756	8.258855	8.335472	8.324929	8.868032	8.786965	8.820908	8.834803	8.804534	8.867373	8.794618	8.776422	8.831365	9.233059	9.273746	9.259468	8.994135	8.959266	9.033332
RNF25	ENSG0000	-0.16086	5.661506	-3.47016	0.00283	0.010752	-2.52236	5.572986	5.452673	5.705507	5.312338	5.589722	5.484421	5.494585	5.484771	5.489686	6.031553	5.983108	5.985273	5.830653	5.821478	5.822871	5.785222	5.789916	5.800369
STK36	ENSG0000	-0.41182	4.872952	-5.78673	1.96E-05	0.000214	2.605395	4.837972	4.644161	5.002498	4.881362	4.70778	4.651187	4.393833	4.324646	4.3476	5.312197	5.265591	5.12947	5.508262	5.458046	5.522983	4.871197	4.860815	4.922721
ADORA1	ENSG0000	0.198493	-0.94576	0.779613	0.446048	0.566731	-5.82027	0.216396	0.215206	0.106501	0.258133	0.25478	0.3528	0.106501	0.253663	0.256032	1.732907	1.228418	1.839597	1.916818	1.652223	1.456457	1.65509	1.737342	1.58715
NEK10	ENSG0000	-0.81491	0.147519	-2.8079	0.011873	0.033334	-2.7709	2.526909	2.258179	2.492412	2.181668	2.299368	2.374422	1.648695	1.988058	2.087859	0.54782	0.462741	0.54756	0.828978	0.7293	0.593579	0.183756	0.2791	0.497646
CCDC141	ENSG0000	-0.71302	-0.46394	-2.84708	0.010923	0.031184	-2.69048	3.756787	3.547555	3.81026	1.978268	1.666451	1.623325	3.219115	2.938616	2.981126	0.54782	0.259702	0.230035	0.106501	0.106501	0.106501	0.183756	0.2791	0.214669
CIP2A	ENSG0000	0.037609	3.856722	0.185551	0.854933	0.902186	-7.02845	3.827767	3.855322	3.871922	3.605613	3.502343	3.744443	4.079318	4.040332	4.189248	4.812964	4.748933	4.86698	2.55467	2.888589	2.76998	4.515433	4.755137	4.840691
EOMES	ENSG0000	-0.3381	0.338072	-2.21404	0.040383	0.087719	-4.02317	0.947665	0.8079	1.028027	0.934951	0.92021	0.657796	0.886508	0.726566	0.629397	1.840286	1.945166	1.969371	1.27873	1.560439	1.355599	1.784732	1.613793	1.703111
CWC22	ENSG0000	-0.08192	5.638337	-1.05777	0.304563	0.423581	-6.78117	5.646	5.504468	5.638658	5.036268	5.044764	4.942007	5.37889	5.643348	5.552477	6.031553	6.015748	5.997278	5.93335	5.962621	5.909924	5.896979	5.9786	5.927013
AZI2	ENSG0000	0.26595	5.224519	5.68029	2.44E-05	0.000251	2.340748	5.128936	5.106095	5.11242	5.529135	5.510796	5.373711	5.452809	5.420016	5.526952	5.026968	5.105486	5.030978	5.284162	5.223832	5.208029	5.201172	5.214498	5.299535
TGFBR2	ENSG0000	0.64484	6.40372	12.66534	3.08E-10	4.77E-08	13.72002	5.578142	5.517795	5.508813	6.44268	6.448173	6.4069	6.386973	6.273954	6.399821	6.308968	6.254406	6.308872	7.177302	7.096857	7.093102	6.857604	6.759506	6.781977
ANKZF1	ENSG0000	-0.1714	4.842818	-1.91762	0.07165	0.137693	-5.48014	4.749336	4.599733	4.76778	4.218476	4.051057	4.170914	4.302704	4.050434	3.924645	5.435051	5.58849	5.496937	5.451713	5.320261	5.418515	5.52441	5.578995	5.528997
HDAC11	ENSG0000	-0.15907	2.987876	-1.43711	0.168349	0.267401	-5.81605	2.438959	2.425906	2.248556	2.518519	2.811499	2.629332	1.816207	1.367163	2.309357	4.01489	3.981119	3.848714	4.647902	4.557684	4.504317	3.962207	3.822043	3.969186
FBLN2	ENSG0000	0.082536	2.091366	0.943144	0.358463	0.4803	-6.88309	0.216396	0.410755	0.219246	0.106501	0.25478	0.106501	0.106501	0.253663	0.256032	7.016058	6.980457	7.118463	7.669399	7.570633	7.542573	7.222762	7.181419	6.983681
GLB1L	ENSG0000	0.174912	3.800627	2.081971	0.052334	0.107467	-4.79822	3.887134	3.804029	3.726899	4.881362	4.877535	4.913508	3.904396	4.09991	4.093134	3.246125	3.26005	3.339716	4.207266	3.927863	4.093761	3.218571	3.511821	3.410407
STT3B	ENSG0000	1.070295	7.449837	8.065317	2.69E-07	7.55E-06	6.729251	6.485643	6.65827	6.590601	8.238364	8.202809	8.283699	7.989768	8.066278	8.046834	6.845307	6.853789	6.881707	7.452695	7.50752	7.500379	7.524161	7.493284	7.643176
CHCHD4	ENSG0000	-0.49528	4.747115	-6.68742	3.31E-06	5.42E-05	4.41981	5.053202	5.081176	5.183625	4.63346	4.558804	4.543715	4.504297	4.332946	4.45204	5.29814	5.155166	5.288917	4.460809	4.541772	4.667494	4.820694	4.940116	4.934632
SGO2	ENSG0000	0.339426	3.865619	1.469618	0.159436	0.256652	-5.91033	3.928091	4.014214	3.922756	4.263984	3.956756	4.088331	4.591583	4.802174	4.66091	4.271447	4.34876	4.369004	2.412911	2.743101	2.528806	4.142342	4.353122	4.249053
SERPINI1	ENSG0000	0.062889	2.150882	0.303212	0.765308	0.835591	-6.36192	2.707144	2.513665	2.446827	3.441022	3.242978	3.510758	2.513265	2.511284	2.670735	1.964162	2.174476	2.198406	2.009285	1.793303	2.220059	2.247458	2.078458	2.226823
CLASP2	ENSG0000	0.605178	5.407376	10.91647	3.13E-09	2.61E-07	11.43229	5.135946	5.116644	5.052811	5.558653	5.607073	5.669075	5.646849	5.656635	5.696813	5.162464	5.160041	5.091284	5.370368	5.354823	5.46364	5.814363	5.657352	5.754064
SUCLG1	ENSG0000	-0.07484	6.103096	-1.21871	0.239148	0.351153	-6.63998	6.470473	6.472276	6.453268	6.009737	5.949389	5.97285	6.591391	6.567448	6.435535	6.059601	6.05815	6.178826	5.780368	5.801571	5.736926	5.879669	5.881493	5.952623
NUAK2	ENSG0000	-1.15799	5.335061	-4.27352	0.000485	0.002629	-0.61795	7.957314	7.678717	7.804884	5.316663	5.446705	5.435149	6.239981	6.256606	6.315012	4.553726	4.447768	4.615496	4.234338	4.169652	4.288734	4.026533	4.11758	4.037057
PRKCI	ENSG0000	0.061828	5.45378	0.726514	0.477142	0.596239	-7.04087	5.35902	5.349122	5.313116	5.072529	4.871804	4.942007	5.300979	5.306587	5.346947	5.625347	5.618907	5.670552	5.880469	5.967096	5.879974	5.745959	5.770158	5.767446
IFI16	ENSG0000	0.470234	5.788591	3.77987	0.001433	0.006221	-1.87521	4.522086	4.901694	4.66702	5.833796	5.754503	5.730269	5.147073	5.510612	5.107194	6.190934	6.223301	6.21011	6.345276	6.411007	6.344309	6.56181	6.630969	6.642477
AIM2	ENSG0000	0.416633	0.013859	4.904043	0.000124	0.000895	0.938083	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.399867	4.479316	4.595532	3.640803	3.629721	3.824901	4.838721	4.914163	4.934632
EIF5A2	ENSG0000	0.271371	3.90164	2.014142	0.05965	0.119291	-5.02018	3.765853	3.608619	3.648527	4.400654	4.368438	4.407292	4.254886	4.221128	4.396744	3.968304	3.997554	3.955502	3.762697	3.846002	3.615478	3.934535	3.903444	3.945834
RPL22L1	ENSG0000	0.282592	4.954095	3.636295	0.001965	0.007988	-1.94796	5.506933	5.564777	5.372225	5.901593	6.064398	5.997951	5.69064	5.80423	5.745052	4.065562	4.137605	4.186581	4.203356	4.349511	4.329194	4.469892	4.288934	4.472495
PPM1L	ENSG0000	-0.37276	2.857745	-3.10295	0.006303	0.020256	-2.68606	2.505419	2.576149	2.865896	3.20008	3.093416	3.548316	2.752438	2.568641	2.588518	3.294134	3.501964	3.240362	3.488503	3.599295	3.68641	2.75746	2.934355	2.830235
ICA1L	ENSG0000	-0.48545	1.376066	-1.97821	0.063888	0.125698	-4.50386	2.137484	2.068355	2.274882	1.791994	2.229385	1.714252	0.886508	1.710758	1.0941	2.01088	1.588084	2.136592	2.129525	2.148862	2.036756	2.013561	1.956613	1.973284
SNHG16	ENSG0000	-0.34168	7.16529	-6.54464	4.36E-06	6.71E-05	3.881959	7.742785	7.808011	7.703747	7.57041	7.51933	7.568144	7.259054	7.297141	7.209908	6.979821	6.932826	6.965758	6.765506	6.800174	6.71891	6.767938	6.780307	6.778676
RYBP	ENSG0000	-0.32967	5.706097	-5.51408	3.44E-05	0.000332	1.888387	5.121892	5.030008	5.130553	5.329563	5.248674	5.223158	4.926746	5.178875	4.978598	6.536564	6.52202	6.553934	6.440516	6.447761	6.366079	6.112353	6.023291	6.095646
PPP4R2	ENSG0000	-0.08043	6.260214	-1.43483	0.168988	0.268088	-6.3901	6.438229	6.495365	6.367183	6.211362	6.094235	6.188405	6.417699	6.659423	6.393781	6.427788	6.379856	6.321081	6.017022	6.091177	5.996216	6.18696	6.092904	6.25614
GTPBP8	ENSG0000	0.04747	3.933518	0.594827	0.559582	0.669702	-6.83276	3.520128	3.741788	3.544167	3.591402	3.517104	3.711713	3.828023	4.090149	3.783962	4.290508	4.47541	4.447471	4.36607	4.429515	4.232958	4.374256	4.211138	4.399883
NEPRO	ENSG0000	0.245118	5.227806	3.699819	0.001709	0.007139	-1.95165	5.1077	5.10962	5.20089	5.025739	5.14795	4.918297	5.223595	5.380521	5.404147	5.213289	5.110531	5.214204	5.421744	5.489494	5.489655	5.42251	5.465192	5.467465
SPICE1	ENSG0000	-0.08205	3.000033	-1.38272	0.184162	0.286107	-5.8561	2.833249	2.966631	2.848472	2.714828	2.57804	2.629332	2.637802	2.825515	2.697131	3.599408	3.68898	3.71764	3.563615	3.576046	3.525482	3.617041	3.659719	3.631427
CCDC191	ENSG0000	-0.18468	1.938812	-0.93805	0.361002	0.482838	-6.02299	1.927307	2.232543	2.326135	1.578054	2.03796	2.258349	1.588238	1.760835	2.165532	2.356666	2.531245	2.228347	3.091636	3.131201	3.244428	2.154563	2.37332	2.442395
NKX6-1	ENSG0000	0.335685	-0.59105	0.553444	0.58697	0.692242	-5.76205	0.587539	0.106501	0.323815	1.393812	1.817192	1.799787	0.548589	0.106501	0.629397	0.781331	0.848253	1.061592	1.121891	1.357245	1.355599	1.058946	1.072305	0.805046
CDS1	ENSG0000	-0.35861	4.027828	-2.23929	0.038406	0.08417	-4.93193	3.210562	3.07157	3.104764	2.21912	1.556428	2.196611	0.983587	1.15884	1.445026	6.487853	6.408817	6.436199	6.687192	6.68718	6.619099	6.321242	6.314938	6.216033
WDFY3	ENSG0000	-0.05315	5.755408	-0.61768	0.544753	0.656145	-7.15008	5.266237	5.015049	5.363051	5.737065	5.49597	5.921298	5.08826	5.122533	4.929347	6.141927	6.326647	5.938492	6.454562	6.369917	6.548502	6.213684	6.100116	6.090332
COX18	ENSG0000	-0.32127	4.004499	-3.94916	0.000988	0.004633	-1.12431	4.630287	4.584615	4.621585	4.375995	4.071202	4.079806	4.4712	4.273815	4.243986	3.956418	4.029873	3.91004	3.762697	3.806595	3.985412	3.658228	3.675254	3.611778
PTPN13	ENSG0000	0.122784	5.240837	0.842594	0.410838	0.53259	-6.92112	3.756787	3.568199	3.65856	5.171375	5.212855	5.366721	3.841036	3.833587	4.011347	6.169215	6.237208	6.067286	6.645301	6.542759	6.557045	6.219429	6.218828	6.224144
C3orf49	ENSG0000	0.88132	0.141615	3.605253	0.002104	0.008405	-1.26422	5.259834	5.24399	5.148462	4.778495	4.681813	4.67402	6.244885	5.879824	6.202046	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
C4orf36	ENSG0000	-0.21023	1.323015	-1.26089	0.223921	0.333784	-5.83649	1.12723	1.327092	1.499186	0.395333	0.730585	0.909432	0.782422	0.509405	0.629397	3.226465	3.136872	3.283783	3.325419	3.162755	3.353069	3.26375	3.116085	3.215882
THOC7	ENSG0000	-0.08053	6.049983	-1.90492	0.07338	0.140383	-5.64084	6.478767	6.377503	6.348712	6.187942	6.101599	6.087841	6.259498	6.271797	6.22717	5.93795	5.95112	5.929407	5.733698	5.898468	5.74193	5.918327	5.894824	5.960412
ATXN7	ENSG0000	0.095165	5.893915	1.00324	0.329433	0.449394	-6.81019	6.336934	6.244347	6.314222	6.450574	6.259165	6.37764	6.714937	6.738093	6.706336	5.608358	5.54629	5.536367	5.313474	5.236244	5.328241	5.329955	5.225092	5.308717
PSMD6	ENSG0000	-0.20997	6.496733	-4.93932	0.000115	0.000845	0.581598	6.332364	6.473645	6.415312	6.357074	6.302412	6.258063	6.079044	6.116987	6.128792	6.795307	6.775738	6.914306	6.714917	6.807679	6.707871	6.743427	6.650749	6.667675
PRICKLE2	ENSG0000	-0.45264	1.012469	-2.57144	0.01952	0.049333	-3.45021	1.430644	1.277811	1.202741	1.104644	1.087782	1.623325	0.548589	0.915275	0.925731	2.224158	2.074736	1.986992	2.661114	2.837366	2.716753	1.833493	2.006592	1.877799
ADAMTS9	ENSG0000	0.921202	-1.35471	2.045292	0.056182	0.113682	-4.03744	1.519087	1.226787	1.256574	3.408969	2.926537	3.364021	2.303642	2.029503	2.005764	0.106501	0.106501	0.16959	0.106501	0.190544	0.106501	0.183756	0.106501	0.106501
PPM1K	ENSG0000	0.640596	2.768873	2.597632	0.018484	0.047241	-3.77793	1.235614	1.631689	1.54317	3.255206	2.926537	3.231764	2.144798	2.389238	2.670735	3.688323	3.654848	3.579277	3.488503	3.375198	3.540876	4.000079	3.88352	4.223386
GMPS	ENSG0000	0.051402	6.576038	0.791591	0.439211	0.560294	-7.12662	6.755148	6.725287	6.740992	6.732178	6.616977	6.670859	6.621871	6.846424	6.744804	6.565216	6.596738	6.542807	6.133567	6.120934	6.257287	6.702994	6.637923	6.640054
TIPARP	ENSG0000	-0.35285	6.351014	-3.1476	0.005722	0.018786	-3.28396	6.831615	6.646185	6.727949	6.238973	6.184845	6.221718	6.437112	6.577961	6.449188	6.25662	6.349235	6.47418	6.478213	6.535747	6.446954	6.004695	5.954929	5.834677
CCNL1	ENSG0000	-0.10745	5.164061	-1.99815	0.061504	0.122193	-5.35369	5.015692	4.973094	4.966609	5.062262	5.079986	5.151751	4.920629	5.002785	5.092354	5.400378	5.49705	5.330922	5.472976	5.512128	5.534564	5.112574	5.227729	5.344873
PTX3	ENSG0000	-1.29178	1.415825	-2.16303	0.044665	0.094864	-4.14102	5.82147	5.496413	5.589687	1.022291	1.006428	1.188496	4.293266	4.332946	4.33084	0.88529	1.07167	1.027938	0.656707	0.837535	1.046067	0.884806	0.924142	0.315289
SLMAP	ENSG0000	-0.17421	6.032037	-1.79781	0.089504	0.163398	-5.83112	6.282699	6.316279	6.434415	5.573188	5.57921	5.669075	5.875913	6.070587	6.071932	6.097974	6.155347	6.136029	6.129452	6.143514	6.170875	6.135629	6.054811	6.092105
RPL9	ENSG0000	0.334098	9.554103	5.71448	2.28E-05	0.000239	2.038309	9.750526	9.733814	9.661203	10.12222	10.09168	10.05259	10.19974	10.24295	10.24274	9.098419	9.028307	8.995429	9.007278	9.108548	9.107989	9.153555	9.144363	9.270328
SMIM14	ENSG0000	-0.42466	6.664599	-2.69634	0.015032	0.040161	-4.25411	6.527556	6.50744	6.467605	6.257092	6.356762	6.225588	6.065248	6.143184	6.061811	6.876389	6.919232	6.903908	7.75368	7.864485	7.80374	6.420338	6.557426	6.531818
RPP14	ENSG0000	0.324669	4.134412	5.939403	1.44E-05	0.000169	3.028592	4.219602	4.136747	4.188143	3.875646	4.071202	3.982555	4.504297	4.256466	4.436456	4.222665	4.147458	4.104202	4.015478	4.10073	4.078019	4.489042	4.534411	4.557121
ABHD6	ENSG0000	0.617066	3.133724	6.252336	7.72E-06	0.000105	3.866584	3.249862	3.347134	3.204003	4.062381	3.99943	4.28655	3.80164	3.773871	3.796224	2.427256	2.531245	2.592986	3.236398	3.032175	2.965187	3.218571	2.972579	3.021085
CFAP20DC	ENSG0000	0.272786	2.527284	2.421284	0.026601	0.063094	-4.28689	1.826927	1.915637	1.744977	1.256461	1.373859	1.526279	0.983587	1.301009	1.564539	4.207702	4.107636	4.24267	4.046359	4.13825	4.242405	4.504182	4.563921	4.7174
RBM47	ENSG0000	0.042053	7.501057	0.443839	0.662605	0.757001	-7.4289	7.325763	7.397267	7.328979	7.732159	7.793133	7.787514	7.694141	7.718181	7.6482	7.566797	7.59905	7.607116	7.329876	7.300295	7.261109	7.356508	7.368039	7.354119
APBB2	ENSG0000	-0.05902	4.912822	-0.66787	0.512937	0.627922	-6.92333	5.699026	5.747832	5.828353	5.245847	5.342823	5.268872	5.519082	5.450851	5.375831	4.553726	4.494836	4.456986	4.17569	4.056619	3.979775	4.755763	4.714363	4.72199
IL17RE	ENSG0000	0.552924	0.247143	2.742535	0.013637	0.037265	-3.04318	0.587539	0.8079	0.598525	0.742604	0.92021	0.563119	0.670238	0.509405	0.515351	1.555182	1.467416	1.158083	2.399306	2.381211	2.330481	2.013561	1.878239	1.844513
IL17RC	ENSG0000	0.295458	4.052904	3.166117	0.005496	0.018155	-2.80234	3.572735	3.8803	4.042515	4.416862	4.600983	4.499659	3.928981	4.109604	3.82044	3.64455	3.830249	3.619375	4.769223	4.763781	4.869998	4.042177	4.106163	4.066226
CRELD1	ENSG0000	0.160303	4.631644	2.247373	0.037792	0.083157	-4.74248	5.045778	5.185067	5.234814	5.112883	5.109506	5.139498	5.515028	5.427787	5.375831	4.20268	4.045764	4.15185	4.163669	4.122289	4.25646	4.057652	4.140146	4.229846
PRRT3	ENSG0000	0.85652	1.742685	3.807943	0.001348	0.005939	-1.13832	1.336422	0.875715	1.744977	1.104644	1.307481	1.123626	1.459147	1.301009	1.244857	2.204194	2.372288	2.409144	4.17569	4.062207	4.134921	3.190769	3.215061	3.241681
PCOLCE2	ENSG0000	-0.09505	1.706221	-0.39907	0.694677	0.781478	-6.1432	3.911847	4.036608	3.783005	3.80351	3.656958	3.655458	3.733489	3.90213	3.572114	1.315703	0.848253	1.027938	0.46104	0.612281	0.707101	1.099384	1.289746	1.222783
U2SURP	ENSG0000	-0.2182	7.192237	-5.40982	4.27E-05	0.000392	1.518764	7.387271	7.385683	7.420257	6.617648	6.575269	6.642197	7.183162	7.235385	7.132234	7.647554	7.565913	7.615284	6.986332	7.092768	6.983293	7.386434	7.365048	7.426202
MTMR14	ENSG0000	-0.20231	5.42714	-2.7898	0.012338	0.034457	-3.93563	5.071598	4.973094	5.037516	4.833866	4.752128	4.72957	4.851577	4.819999	4.556652	6.049846	6.042395	6.028458	6.32473	6.331098	6.281546	5.918327	5.921123	5.84102
TTC14	ENSG0000	0.221177	5.385691	2.136887	0.047019	0.098832	-5.14489	4.992709	5.018804	5.018167	5.112883	5.296516	5.445139	5.535185	5.458458	5.591697	5.447841	5.40559	5.299534	5.84327	5.968584	5.962316	5.336314	5.435851	5.420236
CXCL3	ENSG0000	0.380098	2.240283	0.954265	0.352962	0.474319	-5.82747	5.331806	5.474709	5.633581	3.20008	3.295295	3.03415	5.973684	5.771015	5.983548	0.934589	0.848253	0.884879	0.828978	0.938214	1.08859	1.017342	0.816175	0.734116
CXCL5	ENSG0000	0.059821	2.358383	0.259667	0.798155	0.860048	-5.97119	9.982092	9.916849	9.921836	8.788904	8.724741	8.738685	10.02741	10.00722	9.982819	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MTHFD2L	ENSG0000	-0.33609	4.344687	-2.68897	0.015267	0.040666	-3.89271	5.200891	5.263109	5.217952	3.840029	4.020303	4.027574	4.974767	4.944392	4.819498	4.412971	4.335892	4.362268	4.041988	3.890658	4.051393	4.005409	4.128907	4.029672
CXCL1	ENSG0000	0.068689	4.550904	0.519259	0.610093	0.711808	-6.34141	8.447801	8.590723	8.537597	8.218275	8.168743	8.083461	8.545375	8.570111	8.62383	1.278001	1.467416	1.305813	1.573426	1.428204	1.08859	1.354562	1.737342	1.504318
RCHY1	ENSG0000	0.102398	4.7645	1.172531	0.256718	0.371562	-6.50044	4.590018	4.501192	4.537101	4.161901	4.13	4.537503	4.845133	4.814082	4.825493	5.228194	4.992502	5.020321	5.160571	5.014952	5.178806	5.072509	5.101177	5.044977
GYG1	ENSG0000	0.22165	5.181904	3.835964	0.001267	0.005662	-1.62454	5.121892	5.204977	5.152017	5.350809	5.292232	5.363212	5.342749	5.510612	5.420081	4.883704	4.910981	5.072837	5.278599	5.310903	5.365463	5.067422	5.121165	5.239981
HPS3	ENSG0000	0.481598	5.315225	4.955092	0.000111	0.000824	0.778978	4.615318	4.682536	4.574673	5.626427	5.518152	5.553773	5.319693	5.298133	5.342774	5.393783	5.374467	5.342946	5.571804	5.520271	5.596651	5.715389	5.755617	5.560088
TM4SF18	ENSG0000	0.727598	1.951778	3.026996	0.007427	0.022902	-2.52349	3.936145	3.657602	4.02711	3.999198	4.120365	4.121933	4.765467	4.734864	4.680887	1.423238	0.748206	1.061592	0.656707	0.784432	1.08859	0.884806	0.924142	0.872651
TOPBP1	ENSG0000	0.036403	5.973596	0.342888	0.735772	0.81376	-7.34755	5.572986	5.585177	5.549817	5.643745	5.305047	5.697212	5.814563	5.767957	5.745052	6.683492	6.746055	6.634409	5.78168	5.871668	5.771595	6.641849	6.560566	6.596979
RYK	ENSG0000	-0.11891	5.880499	-1.61053	0.125193	0.212784	-6.10371	6.052028	5.988917	5.980067	5.346585	5.3917	5.535187	5.733141	5.822029	5.875015	6.115449	6.078893	6.092941	6.03363	6.107484	6.021128	6.010007	6.041387	6.08143
SNRK	ENSG0000	-0.39595	4.504919	-7.59205	6.19E-07	1.48E-05	6.150613	4.71698	4.710662	4.86196	4.181007	4.167908	4.162865	4.393833	4.576102	4.527529	5.082702	5.016893	5.039448	4.279599	4.394504	4.385705	4.515433	4.617172	4.637057
UCN	ENSG0000	0.083173	0.293884	0.411522	0.685692	0.775043	-5.96477	1.12723	1.002471	1.585853	1.634586	1.373859	1.310092	1.160105	1.491012	1.0941	0.934589	0.941811	1.094478	1.121891	1.077171	1.355599	0.974502	1.289746	0.872651
ZNF513	ENSG0000	-0.0377	4.643116	-0.55147	0.58829	0.693111	-6.99268	4.044416	3.944869	4.042515	4.456603	4.607895	4.518705	4.4712	4.194045	4.132351	5.04952	5.032928	5.079012	5.511428	5.493636	5.46364	4.853574	4.971913	4.82371
SLC4A1AP	ENSG0000	-0.30032	5.946927	-4.59333	0.000242	0.001509	-0.1062	6.213149	6.180419	6.093496	5.707722	5.582723	5.569081	5.961819	5.916187	5.931692	6.243231	6.128238	6.296559	5.93453	6.022609	6.055029	5.889791	5.849327	5.904981
PLB1	ENSG0000	-0.29971	-0.33859	-0.77463	0.448913	0.569609	-5.9814	0.947665	1.118985	1.028027	0.106501	0.106501	0.461789	0.106501	0.253663	0.256032	1.814181	2.032826	1.933468	1.644349	1.282615	1.695314	1.970607	2.146913	2.507643
KIAA1143	ENSG0000	0.216526	4.98812	4.227747	0.000536	0.002845	-0.74573	4.659767	4.778666	4.611291	5.12773	5.054916	5.085168	5.009762	5.03875	5.026224	5.093595	4.953722	4.972471	5.246665	5.324918	5.264758	5.122419	5.054421	5.201061
KIF15	ENSG0000	0.092042	3.280775	0.440315	0.665106	0.759306	-6.8174	3.85351	3.505362	3.431666	2.933382	3.151334	2.825643	3.719464	3.999201	4.042563	4.417313	4.278766	4.231625	1.973006	1.766169	1.695314	4.254026	4.123255	4.18401
WDR43	ENSG0000	-0.04602	7.593575	-0.94526	0.357413	0.479163	-7.08813	8.0207	8.07693	7.999976	7.315508	7.314886	7.331043	7.913281	8.019476	7.961621	7.566308	7.591401	7.556381	7.177801	7.199309	7.137448	7.501708	7.569563	7.573145
ZDHHC3	ENSG0000	0.139086	6.04887	3.119248	0.006084	0.019736	-3.3276	5.699026	5.796758	5.880717	5.910205	5.741991	5.832753	6.130298	6.00976	5.975483	6.265076	6.210434	6.285031	6.220272	6.187642	6.201469	6.282253	6.314938	6.342128
CDCP1	ENSG0000	0.164613	6.397953	0.858556	0.402207	0.523928	-7.11142	6.365544	6.302485	6.295057	4.132759	4.139571	4.146631	6.477256	6.357695	6.377552	7.33458	7.220473	7.300805	6.900203	6.841381	6.898444	7.555838	7.447652	7.528649
LZTFL1	ENSG0000	-0.28876	4.236697	-4.20129	0.000568	0.002984	-0.66878	4.02189	3.983805	3.931056	4.281793	4.040879	4.096805	3.440463	3.698786	3.771595	4.619268	4.570022	4.684621	5.140267	5.160118	5.11852	4.361843	4.460128	4.341429

FYCO1	ENSG0000	1.533779	4.819727	16.35897	4.91E-12	2.18E-09	17.82444	3.397161	3.61855	3.55495	4.904536	4.801196	4.992837	4.651903	4.519046	4.404775	4.19764	4.318554	4.087963	6.297483	6.276858	6.299759	5.805224	5.919494	5.853623
CCR1	ENSG0000	0.032745	0.094955	0.178642	0.860273	0.906345	-6.37027	0.667115	0.875715	0.756332	0.258133	0.389229	0.2349	0.415731	0.253663	0.515351	2.338465	2.42184	2.314614	1.689764	1.738515	1.320349	2.479639	2.500854	2.830235
ELP6	ENSG0000	-0.2427	4.886045	-4.58175	0.000248	0.001541	0.018084	5.200891	5.247194	5.234814	4.281793	4.573001	4.57438	4.932837	5.048863	4.940438	5.27918	5.200828	5.227237	4.607058	4.739573	4.735974	5.049474	5.012228	4.973643
DTX3L	ENSG0000	0.270702	6.362083	4.748379	0.000173	0.001167	0.164221	5.291568	5.218099	5.30675	5.733834	5.800478	5.770552	5.601686	5.599299	5.526952	7.133529	7.133297	7.091735	7.196113	7.199943	7.208457	7.341308	7.385262	7.362227
ZNF148	ENSG0000	0.354752	5.483598	6.328178	6.65E-06	9.36E-05	3.619061	5.200891	5.137514	5.152017	5.619441	5.492239	5.711078	5.650549	5.711779	5.706591	5.36934	5.463921	5.336087	5.682663	5.68869	5.591116	5.575473	5.611658	5.603018
SMIM12	ENSG0000	-0.14312	5.343626	-3.24152	0.004665	0.015952	-2.96502	5.194191	5.278849	5.322611	5.087795	5.14795	5.227023	5.08826	4.992342	5.057123	5.719774	5.613586	5.738449	5.531835	5.53642	5.511308	5.629975	5.59133	5.57792
ZMYM6	ENSG0000	0.121753	3.177466	0.904348	0.378108	0.500454	-6.34701	3.454357	3.370829	3.511328	3.103249	2.85862	3.152687	3.647218	3.564249	3.771595	3.123934	3.250939	3.172678	3.332595	3.591587	3.486261	3.254827	3.317614	3.079476
TPRA1	ENSG0000	-0.3637	5.583915	-2.04982	0.055694	0.112894	-5.29535	6.377422	6.317804	6.278888	5.591153	5.847955	5.657664	5.821145	5.599299	5.537947	5.093595	5.092794	5.187779	5.884137	5.829692	5.726866	5.182472	4.996855	5.06679
YEATS2	ENSG0000	0.14951	5.548208	2.532778	0.02115	0.052556	-4.45278	4.798758	4.765319	4.857612	5.392386	5.375591	5.428451	4.819063	4.860754	4.860948	5.991347	6.047666	5.862963	6.299316	6.280458	6.375769	6.172818	6.171688	6.125399
ZC3H12A	ENSG0000	0.818719	4.925183	5.588875	2.94E-05	0.000292	2.320309	5.864307	5.848305	5.819438	6.112826	6.373081	6.263719	6.920476	6.988491	6.930084	3.629659	3.682218	3.501717	3.714069	3.629721	3.665494	3.6717	3.72088	3.621636
MEAF6	ENSG0000	-0.18844	5.878326	-2.76349	0.013045	0.035988	-4.04706	5.525735	5.480165	5.571218	5.259393	5.321958	5.45506	5.198536	5.368459	5.363523	6.359482	6.3081	6.503555	6.607343	6.619621	6.642478	6.144111	6.225439	6.337649
SNIP1	ENSG0000	-0.33958	4.773859	-4.44075	0.000337	0.001968	-0.27001	4.744758	4.86879	4.808898	4.333937	4.267295	4.28655	4.235306	4.61746	4.475104	5.305186	5.191334	5.265644	5.200343	5.23377	5.239034	5.018176	4.917433	4.914724
DNALI1	ENSG0000	0.3058	0.281354	1.211016	0.24201	0.354479	-5.97821	0.318509	0.410755	0.756332	0.106501	0.106501	0.106501	0.415731	0.387194	0.106501	2.817246	3.195032	2.974933	4.015478	3.933972	4.056758	3.227721	3.37582	3.444131
POLR2H	ENSG0000	0.037054	6.037857	0.615418	0.546209	0.65741	-7.21438	5.734094	5.792378	5.579162	5.499001	5.157403	5.538302	5.605504	5.727605	5.588176	6.475414	6.521073	6.528588	6.547695	6.456275	6.534151	6.616821	6.593644	6.615597
CAMK2N2	ENSG0000	0.395421	0.131291	1.515455	0.147533	0.241448	-4.93431	0.742531	1.002471	0.898566	1.688986	1.864131	1.669505	1.317361	1.082132	1.244857	0.781331	1.112482	0.884879	1.054048	0.938214	1.046067	1.250674	0.975239	0.659518
LIPH	ENSG0000	0.298244	5.004179	1.705426	0.105823	0.186747	-5.80527	5.487883	5.463733	5.41428	4.626508	4.301803	4.407292	5.821145	5.822029	5.860491	4.678347	4.768219	4.703397	4.851459	5.037822	4.873042	4.888608	5.006099	4.930673
TMEM41A	ENSG0000	1.212313	5.851656	8.834487	7.37E-08	2.94E-06	8.201739	5.282121	5.281977	5.126945	6.594678	6.512199	6.548001	6.848198	6.904661	6.91751	5.190639	5.174568	5.180139	5.586887	5.48534	5.54032	5.996688	5.798808	5.868189
RPN1	ENSG0000	0.174517	8.293179	2.08707	0.051818	0.106661	-5.54368	8.028254	8.075128	8.01616	8.53464	8.498916	8.485953	8.189302	8.28044	8.237059	8.331487	8.295817	8.361726	8.182887	8.198145	8.204405	8.480532	8.482359	8.480082
SENP2	ENSG0000	0.071927	5.611926	0.979121	0.340879	0.461735	-6.83815	5.580713	5.501788	5.443586	5.412733	5.321958	5.280077	5.843949	5.749473	5.640119	5.707417	5.778001	5.743641	5.801211	5.83786	5.807042	5.62479	5.678704	5.809023
HEYL	ENSG0000	0.014137	0.476081	0.03112	0.975527	0.983746	-6.24222	1.430644	0.8079	1.54317	0.106501	1.437317	0.830331	1.074544	0.622068	1.171446	1.352446	1.725977	1.538714	2.162115	2.288901	2.257813	1.926335	1.513652	1.626848
IFT122	ENSG0000	-0.51576	4.592014	-4.19138	0.000581	0.003028	-0.71757	5.149863	5.312885	5.350729	4.54774	4.720591	4.777799	4.402637	4.677356	4.613192	4.525848	4.532919	4.421787	4.758606	4.763781	4.649854	4.098126	4.211138	4.261717
RFC4	ENSG0000	-0.20765	4.643686	-2.31088	0.033276	0.075339	-4.74786	5.184082	5.328095	5.359981	4.112999	4.1957	4.009735	4.883375	5.033666	4.84333	5.27918	5.113047	5.232786	3.507651	3.695921	3.586098	5.15875	5.057388	5.1812
RPL39L	ENSG0000	0.159598	4.163729	1.458074	0.162556	0.260466	-6.0687	3.819083	3.920993	3.93931	3.181227	3.242978	3.27721	3.490873	3.646467	3.832397	4.652797	4.68948	4.830842	4.955062	4.968095	5.060955	5.085149	5.063304	4.926702
BAP1	ENSG0000	-0.18862	6.417942	-4.55639	0.000262	0.001604	-0.2433	6.090422	6.090521	6.038856	6.238973	6.210046	6.121455	6.040078	5.767957	5.760779	6.843694	6.868756	6.816676	7.028923	6.963613	6.935317	6.722543	6.669292	6.640054
TKT	ENSG0000	0.070068	9.886593	1.959973	0.066141	0.129367	-5.85575	10.43827	10.38973	10.45538	10.00131	10.15985	9.995807	10.55428	10.47054	10.51728	9.614102	9.441224	9.55895	9.2388	9.200099	9.178275	9.616467	9.568756	9.589636
PRKCD	ENSG0000	0.181535	4.381539	2.062129	0.054385	0.110816	-5.25116	2.762544	2.819419	2.739267	3.041869	3.378481	2.924168	1.816207	2.290412	2.202855	6.073423	5.949713	6.069355	6.821413	6.816799	6.805107	6.343508	6.348028	6.276563
RFT1	ENSG0000	-0.31522	4.92718	-4.89168	0.000127	0.000915	0.658581	5.030813	4.95753	4.998554	4.316764	4.384626	4.440963	4.544628	4.583078	4.534865	5.702088	5.664221	5.71749	4.818614	4.763781	4.759194	5.428474	5.380064	5.575386
SFMBT1	ENSG0000	-0.0767	4.395273	-1.37923	0.185217	0.287355	-6.2174	3.887134	3.920993	3.801232	3.933121	3.47236	3.689474	3.555458	3.619579	3.771595	5.27918	5.21026	5.306568	5.15451	5.054739	5.146464	5.246891	5.269267	5.21089
GNL3	ENSG0000	-0.17037	7.425608	-4.53588	0.000274	0.001662	-0.3807	7.510374	7.54842	7.482293	7.023002	7.087775	7.193606	7.443134	7.435578	7.326517	7.722714	7.720354	7.712164	7.358722	7.349684	7.400542	7.494619	7.477864	7.530612
PBRM1	ENSG0000	0.515816	6.029974	10.84201	3.48E-09	2.82E-07	11.27266	5.611213	5.559632	5.579162	5.904469	5.907988	5.921298	6.153955	6.15961	6.06688	5.904318	5.967898	5.816905	6.370771	6.435972	6.462195	6.343508	6.383925	6.406268
UVSSA	ENSG0000	-0.42138	4.752437	-6.74607	2.96E-06	5.02E-05	4.55465	5.504227	5.536248	5.483639	4.584077	4.688349	4.71863	5.038289	5.023446	5.229787	4.832603	4.869913	4.803754	4.344933	4.259953	4.346819	4.485232	4.372311	4.439435
TASOR	ENSG0000	-0.08448	6.480355	-1.28004	0.217259	0.32615	-6.61626	6.375943	6.308632	6.392951	6.576757	6.499248	6.56337	6.119658	6.19874	6.183495	6.658951	6.744433	6.621069	6.560741	6.591879	6.541823	6.61595	6.655652	6.73847
ARHGEF3	ENSG0000	-0.58977	4.411206	-3.52023	0.002536	0.009812	-2.18318	4.12413	3.976101	3.897563	4.746789	4.65537	4.549901	2.607661	2.623806	2.892531	5.307527	5.258789	5.324005	5.396285	5.381888	5.352435	4.994249	4.993761	4.898598
SLBP	ENSG0000	0.100782	7.087949	1.059134	0.303957	0.423069	-6.94034	7.164589	7.112843	7.115238	6.94132	6.987996	6.929928	7.141693	7.185839	7.085539	7.342592	7.277666	7.339043	6.522814	6.561622	6.583303	7.476982	7.487246	7.527994
LRPAP1	ENSG0000	0.271095	8.011485	4.841285	0.000142	0.000999	0.278179	8.31127	8.319961	8.414606	8.858051	9.006841	8.89536	8.722824	8.640348	8.7223	7.185365	7.205224	7.327851	7.530816	7.468599	7.438539	7.467358	7.454984	7.3519
UBXN7	ENSG0000	0.73997	5.264924	11.22375	2.04E-09	1.91E-07	11.87479	4.538049	4.604738	4.542529	5.28169	5.244245	5.341983	5.440037	5.506949	5.37174	4.948139	5.147822	4.95243	5.903542	5.906256	5.866291	5.65732	5.583118	5.654343
RNF168	ENSG0000	-0.007	4.279834	-0.05697	0.955212	0.970928	-7.1036	3.701161	3.608619	3.638424	4.041626	4.1009	4.096805	4.011872	4.324646	4.151567	4.92393	5.064472	5.052059	4.499582	4.472117	4.531543	4.790139	4.762428	4.680149
PIGX	ENSG0000	-0.05606	4.560166	-0.84991	0.406869	0.528792	-6.70686	5.027048	4.965333	4.925655	4.910272	4.900234	4.899045	4.819063	5.150979	5.082376	4.447347	4.36574	4.428251	4.059394	4.1851	4.311352	4.32395	4.211138	4.223386
MELTF	ENSG0000	0.246885	4.730754	0.724272	0.478482	0.597547	-6.59877	5.817116	5.869251	5.910407	7.799383	8.02058	7.842719	6.304819	6.050595	6.181159	2.966925	3.023743	3.305013	2.88263	2.985883	3.010124	3.218571	2.95995	2.944608
S100P	ENSG0000	-0.66078	8.046165	-4.97686	0.000106	0.000795	0.523527	8.272039	8.228088	8.199552	7.367511	7.582096	7.493892	7.189535	7.234278	7.278159	9.112545	8.993394	8.939397	7.668336	7.773311	7.744305	8.601827	8.5992	8.664242
ABLIM2	ENSG0000	-0.12035	1.012775	-0.53446	0.599757	0.702784	-6.09482	1.12723	1.002471	0.512639	1.978268	1.864131	1.919272	0.782422	1.231675	0.925731	1.865926	2.053933	2.021603	2.371704	2.671787	2.756856	1.65509	1.766644	1.877799
EXO5	ENSG0000	0.048619	2.784129	0.615151	0.546382	0.657551	-6.7357	2.021155	2.283367	2.274882	1.457877	1.498102	2.132113	2.01302	2.324112	1.962896	4.232554	4.331577	4.324649	3.762697	3.568213	3.658454	4.446571	4.377068	4.274271
C1orf50	ENSG0000	0.066664	2.908605	0.72495	0.478077	0.597093	-6.44855	2.668993	2.819419	2.830836	2.97776	2.970101	2.741673	3.072345	3.002451	2.846105	3.265521	3.26005	3.262236	3.416036	3.479115	3.470269	3.374993	3.356678	2.944608
ERMAP	ENSG0000	0.269315	3.034263	2.678165	0.015617	0.041438	-3.51152	3.17016	3.417081	3.322321	4.041626	3.808643	4.036412	3.66196	3.736817	3.759121	2.47802	2.792142	2.510098	3.091636	3.04352	3.177059	2.611312	2.585506	2.687355
ZNF691	ENSG0000	0.09748	3.398556	1.074185	0.297346	0.416308	-6.28868	3.085796	3.100202	2.94999	3.376187	2.926537	3.377995	3.507292	3.302095	3.357206	3.950439	3.866492	3.774554	3.762697	3.806595	4.067427	3.787601	3.85652	3.823043
AIMP1	ENSG0000	-0.26075	6.426294	-5.93374	1.46E-05	0.000171	2.694986	6.722924	6.779404	6.669617	6.20204	6.168576	6.282413	6.443525	6.421356	6.441402	6.573994	6.580465	6.615415	6.289208	6.341475	6.369317	6.349808	6.389822	6.345106
SGMS2	ENSG0000	0.049768	5.310838	0.525421	0.605893	0.708226	-7.13345	4.284124	4.318312	4.195052	5.472108	5.287935	5.411567	4.56045	4.603806	4.570996	5.839468	5.89374	5.82305	6.331909	6.201634	6.238527	5.708869	5.733527	5.876446
METAP1	ENSG0000	0.015894	6.320132	0.38513	0.704788	0.789671	-7.36004	5.977894	6.130976	6.015627	5.851791	5.891089	5.911724	6.056907	6.18505	6.162335	6.696055	6.683097	6.727109	6.578959	6.57341	6.666362	6.634128	6.667352	6.694778
DNAJB14	ENSG0000	0.000507	5.498479	0.005997	0.995283	0.996682	-7.28374	5.533718	5.541478	5.47515	5.78468	5.575689	5.691628	5.882222	5.862728	5.696813	5.558123	5.479606	5.408164	5.408221	5.499826	5.471694	5.08263	5.314612	5.299535
H2AZ1	ENSG0000	0.206248	7.681789	2.082625	0.052268	0.107377	-5.51855	7.73126	7.75554	7.676852	7.540211	7.48783	7.508258	8.054046	8.156728	8.175027	7.964784	7.896826	7.913912	6.836636	6.961372	6.931672	7.931149	7.93401	7.952363
SLC9B2	ENSG0000	-0.09673	3.372016	-0.99	0.335681	0.456517	-6.24605	4.036946	4.249682	4.294909	3.80351	3.855857	4.018682	4.358069	4.299455	3.968647	3.123934	3.15652	3.093551	2.862939	2.657091	2.930541	3.053433	2.799093	2.84714
BDH2	ENSG0000	0.254258	2.573479	2.163724	0.044605	0.094803	-4.4728	2.165157	2.179863	1.888281	2.605941	2.926537	2.605775	2.303642	2.255906	2.127218	2.804042	2.741	2.883807	3.979357	4.13825	4.083285	2.924322	3.034117	3.254409
PGRMC2	ENSG0000	0.296632	6.886346	4.394896	0.000372	0.002128	-0.58286	7.097051	7.061896	7.068033	8.242348	8.119415	8.140931	7.530072	7.504254	7.539343	5.928855	5.995435	5.972061	6.56912	6.595738	6.62091	6.055679	6.063691	6.109724
CDC25A	ENSG0000	-0.18891	5.327511	-1.19619	0.247597	0.361509	-6.6132	5.914086	5.839841	5.787794	4.881362	4.770725	4.531264	5.605504	5.810187	5.605699	6.267483	6.167502	6.289476	3.663745	3.752319	3.734067	6.073551	5.961279	6.065267
ZNF589	ENSG0000	0.68948	3.323627	6.780296	2.77E-06	4.81E-05	4.801226	2.589523	2.76681	2.248556	3.376187	3.260629	3.321269	3.507292	3.384264	3.543305	3.666603	3.447177	3.647349	3.894617	3.86531	3.892464	4.156784	4.005291	3.992166
PLXNB1	ENSG0000	0.285195	4.947136	3.133771	0.005896	0.019216	-3.16741	3.249862	3.405656	3.148134	4.479932	4.662026	4.57438	3.523527	2.916694	3.389938	5.967858	5.965115	5.792059	6.90743	6.855128	6.835855	6.165694	6.277259	6.27968
CCDC51	ENSG0000	-0.36567	5.093353	-4.60498	0.000236	0.001477	0.030421	5.406168	5.544085	5.366116	4.803367	4.621619	4.72957	4.772276	4.802174	4.687485	5.62347	5.461948	5.596435	4.989521	4.9104	4.903135	5.382106	5.440404	5.437082
SHISA5	ENSG0000	0.064933	7.776359	0.938126	0.360964	0.482833	-7.11284	7.435651	7.425118	7.344599	7.694429	7.677986	7.681642	7.46956	7.365493	7.496775	8.069532	8.065784	8.114868	7.959773	7.885913	7.920155	8.153882	8.183207	8.15475
SPRY1	ENSG0000	0.116163	2.955555	1.193588	0.248589	0.362512	-6.34362	1.602421	2.283367	1.921989	1.022291	1.307481	1.623325	2.102195	2.029503	1.620777	4.68196	4.916753	4.737631	4.750591	4.707838	4.801349	4.865346	4.965609	4.890466
APEH	ENSG0000	-0.04867	6.921227	-0.83692	0.413935	0.535776	-7.13662	6.637833	6.686868	6.637006	6.367536	6.418997	6.423838	6.540447	6.59359	6.571941	7.249474	7.222805	7.382132	7.462542	7.418286	7.391018	7.300699	7.279969	7.225887
INTU	ENSG0000	-0.31308	3.516475	-2.52336	0.021566	0.053356	-4.07045	3.397161	3.59862	3.618004	2.933382	3.093416	3.216292	3.219115	3.232814	2.670735	4.20268	4.045764	3.872611	4.35554	4.317159	4.368551	3.749992	3.876817	3.914098
RNF123	ENSG0000	-0.25886	5.274987	-4.2883	0.00047	0.002564	-0.63758	5.596044	5.51514	5.560557	5.491368	5.60362	5.532066	5.452809	5.310795	5.37991	5.269607	5.097884	5.204822	5.379059	5.23377	5.39964	4.922811	4.92395	4.771534
HSPA4L	ENSG0000	0.138211	5.948657	1.071103	0.298691	0.417453	-6.78035	5.696657	5.745568	5.579162	6.412686	6.198646	6.38976	5.891633	5.891111	5.923331	6.085751	6.067262	6.024198	5.741807	5.752296	5.781349	6.02845	6.18124	6.121931
MFSD8	ENSG0000	-0.17197	4.25268	-2.06676	0.053899	0.110031	-5.05246	4.381709	4.312206	4.429894	4.152252	3.878897	4.027574	4.339849	4.38177	4.33084	4.472601	4.57368	4.437893	4.441025	4.537767	4.480563	4.23146	4.178806	4.341429
ABHD18	ENSG0000	0.582757	2.941215	5.668245	2.50E-05	0.000256	2.699795	2.609804	2.61635	2.399755	3.376187	3.295295	3.432575	3.352323	3.160038	3.044176	2.708071	3.002186	2.957162	3.46257	3.68147	3.290693	3.245848	3.440885	3.254409
MON1A	ENSG0000	0.454373	4.025795	6.838284	2.48E-06	4.44E-05	4.825419	3.792713	3.61855	3.819232	4.031135	4.091068	3.936085	4.479546	4.194045	4.296723	4.065562	4.024536	4.15575	4.155599	4.045377	4.139984	4.454386	4.419196	4.365096
MST1R	ENSG0000	0.305136	3.564744	2.968406	0.008425	0.025386	-3.49424	2.609804	2.125186	2.351095	1.578054	1.556428	1.188496	1.525136	1.549165	1.50602	5.98551	6.065964	5.920264	5.482686	5.308554	5.361134	6.391114	6.441838	6.399121
RAD54L2	ENSG0000	0.137321	5.055353	2.723834	0.014186	0.038362	-4.00239	4.933595	4.804995	4.89628	4.619522	4.688349	4.662649	5.228555	4.949799	5.036597	5.41565	5.399419	5.27464	5.152484	5.13912	5.227188	5.496293	5.368165	5.513196
TEX264	ENSG0000	-0.37268	5.69615	-8.55481	1.17E-07	4.03E-06	7.718556	5.903856	5.981241	5.922947	5.540275	5.667864	5.625812	5.628203	5.636658	5.559688	5.895008	5.9054	5.959843	5.759221	5.757473	5.706532	5.471474	5.549795	5.575386
DUSP7	ENSG0000	-0.25798	5.643853	-1.46174	0.16156	0.259104	-6.28626	6.473243	6.37604	6.509779	5.142425	5.49969	5.294884	5.414148	5.404348	5.541593	5.725037	5.718106	5.885453	4.912595	4.92887	4.920894	6.255663	6.122955	6.030539
POC1A	ENSG0000	0.10289	3.317028	0.508475	0.617478	0.71829	-6.73001	3.84498	3.608619	4.050156	3.273122	3.47236	3.27721	3.733489	4.09991	4.093134	4.01489	3.780465	3.928397	1.99126	2.039797	1.801384	3.967679	4.041704	3.770842
PPM1M	ENSG0000	0.484755	2.269152	3.862319	0.001196	0.005396	-0.92304	2.833249	2.693541	2.681399	3.376187	3.362223	3.168853	3.115825	3.102941	3.406029	1.732907	1.699433	2.038602	2.300295	2.039797	2.416453	1.992244	2.33471	2.06284
WDR82	ENSG0000	0.364683	7.474403	11.79388	9.46E-10	1.08E-07	12.51576	7.125504	7.243723	7.119784	7.282719	7.342083	7.328346	7.510861	7.53875	7.609638	7.487973	7.478847	7.475986	7.570813	7.55734	7.559206	7.8134	7.795163	7.851252
PITX2	ENSG0000	-0.63544	1.823029	-4.51358	0.000288	0.001731	0.271757	0.667115	0.736739	0.756332	1.688986	1.087782	1.526279	0.983587	0.915275	0.925731	4.037631	3.981119	4.12026	4.089359	4.051009	3.985412	3.298901	3.287607	3.387478
C4orf3	ENSG0000	0.319545	6.292676	8.261682	1.92E-07	5.90E-06	7.133292	5.446195	5.509814	5.50047	5.759481	5.827376	5.814886	5.760796	5.905096	5.791729	6.714696	6.825684	6.649702	6.951796	7.051924	7.03177	6.998574	7.012066	7.088694
PRSS12	ENSG0000	-0.20545	3.385876	-0.71751	0.482542	0.601277	-6.53865	3.603403	3.768792	3.688245	2.999448	2.926537	3.152687	3.586698	3.384264	3.453254	3.246125	3.381904	3.232997	4.486773	4.573423	4.606616	3.053433	3.215061	3.176297
NDST3	ENSG0000	0.542902	-1.02474	1.813556	0.086954	0.160135	-4.59716	0.216396	0.106501	0.106501	0.52061	0.512209	0.106501	0.106501	0.106501	0.106501	1.116489	1.300837	1.277453	2.791825	3.183414	2.795875	1.571317	1.766644	1.739782
HMGB2	ENSG0000	-0.34431	5.784165	-2.05663	0.054967	0.111729	-5.41233	6.177924	6.148217	6.03501	5.112883	5.079986	5.055043	5.704947	5.839612	5.729151	6.99006	6.881357	6.926344	4.43437	4.438137	4.377153	6.602824	6.615953	6.547417
SAP30	ENSG0000	-0.0181	2.625716	-0.06539	0.948603	0.966864	-6.57382	3.026682	2.636038	2.514675	3.753334	3.502343	3.231764	3.238915	3.351955	3.044176	2.843296	3.223257	3.093551	2.225168	2.169719	2.014873	2.300453	2.585506	2.79582
MAD2L1	ENSG0000	-0.25572	4.947517	-1.40857	0.176503	0.277292	-6.29381	5.45743	5.463733	5.417238	4.359318	4.352066	4.386706	5.141824	5.396449	5.287386	6.058212	5.969287	6.106104	3.266686	3.065945	3.299771	5.72834	5.690219	5.724636
ANXA5	ENSG0000	-0.12511	8.398762	-1.63885	0.11912	0.204795	-6.27119	9.158168	9.153255	9.101075	8.837126	8.749172	8.781368	8.707362	8.743577	8.746988	7.901879	7.862843	8.009423	7.76963	7.732275	7.735133	8.08884	8.075736	8.108616
MAP9	ENSG0000	-0.57133	5.948225	-6.16107	9.25E-06	0.000121	3.226332	6.236163	6.22335	6.295057	6.067345	5.949389	6.051247	5.272444	5.416115	5.165072	6.151081	6.233744	6.156613	6.080206	6.262366	6.20992	5.892671	5.908034	5.940859
GUCY1A1	ENSG0000	0.385789	0.504355	3.463619	0.002871	0.010864	-2.06956	0.318509	0.106501	0.219246	0.106501	0.25478	0.2349	0.269385	0.253663	0.256032	3.681119	3.836353	3.809637	4.241981	4.264807	4.213876	4.171084	4.047684	4.122853
FBXO8	ENSG0000	0.48211	3.442759	4.063263	0.000769	0.003782	-0.7653	2.867343	2.784561	2.5366	3.661095	3.867423	4.071231	3.617275	3.535768	3.306673	3.367773	3.695711	3.172678	4.245787	4.335734	4.464508	3.637781	3.628139	3.698167
CEP44	ENSG0000	0.052973	3.445396	0.733731	0.472841	0.592424	-6.54782	3.747663	3.7235	3.995797	3.57705	3.502343	3.666886	3.733489	3.946081	3.783962	3.411958	3.470912	3.45816	3.197622	3.272884	3.281558	3.415594	3.511821	3.707454
HPGD	ENSG0000	-0.09363	3.063	-0.70463	0.490322	0.607899	-6.78638	1.791852	1.631689	1.406977	2.291228	2.299368	2.064596	1.317361	1.710758	1.50602	5.093595	5.296913	5.166672	4.502766	4.561635	4.468538	5.015537	5.104049	5.184529
TMEM144	ENSG0000	0.980043	6.01999	4.324132	0.000434	0.002409	-0.42995	7.653406	7.67753	7.666325	8.767339	8.570096	8.684898	8.99583	8.975316	9.024482	3.666603	3.981119	3.886761	3.794228	3.86531	3.773698	3.307556	3.603991	3.591857
GASK1B	ENSG0000	1.953643	5.266013	8.673458	9.60E-08	3.56E-06	8.145492	6.962565	6.990086	6.940216	9.308991	9.233791	9.210243	9.051471	9.065558	9.057011	2.18395	2.053933	2.213454	2.579013	2.686334	2.633039	2.625227	2.518186	2.374055
NAA15	ENSG0000	-0.07177	7.371857	-2.01484	0.05957	0.119148	-5.60187	7.658283	7.661409	7.595634	7.424735	7.328548	7.372638	7.544065	7.633355	7.483567	7.359614	7.373127	7.358635	7.044849	7.035684	7.068748	7.347617	7.207696	7.358547
IL15	ENSG0000	0.579174	2.484481	2.850095	0.010853	0.031016	-3.07076	3.397161	3.370829	3.408073	2.661411	2.787348	2.961768	4.13321	4.212157	4.073118	1.91588	2.032826	1.951531	2.270712	2.23054	2.014873	2.211015	2.101639	2.06284
FAM160A1	ENSG0000	-0.07289	1.758002	-0.40345	0.691511	0.77927	-6.80749	1.384302	1.883052	0.898566	0.258133	0.625525	0.563119	1.240874	0.387194	0.735084	4.156676	4.061483	3.999574	4.238165	4.179969	4.293286	4.194605	4.100421	3.969186
ARFIP1	ENSG0000	0.182919	5.893927	3.404403	0.003269	0.011987	-2.67473	5.754732	5.820613	5.835003	6.112826	5.960231	6.066428	6.09271	6.152593	6.109268	5.689578	5.78433	5.709551	6.082337	5.990731	5.996216	5.838454	5.739082	5.806864
ICE1	ENSG0000	0.004649	6.46434	0.062714	0.950706	0.968176	-7.43044	6.711239	6.810059	6.752747	6.502759	6.319354	6.521493	6.602897	6.562162	6.612377	6.308968	6.334216	6.114145	6.442175	6.435972	6.410754	6.439169	6.393349	6.389056
HHIP	ENSG0000	0.624595	-1.38081	1.705687	0.105773	0.186693	-4.54847	1.681202	1.744817	1.54317	3.290819	3.151334	3.405543	1.816207	2.147141	2.588518	0.106501	0.106501	0.106501	0.106501	0.26996	0.106501	0.106501	0.106501	0.106501
ANAPC10	ENSG0000	-0.24302	4.256866	-2.10963	0.049592	0.102995	-4.9461	5.310279	5.306756	5.284248	4.132759	3.967543	4.170914	4.87074	4.933517	4.973208	4.01489	4.056262	4.054926	3.799417	3.717329	3.600863	3.945668	4.029668	3.930053
ABCE1	ENSG0000	-0.1137	7.972757	-3.11994	0.006075	0.019716	-3.49019	8.525254	8.511665	8.505649	8.007685	8.014091	8.000646	8.33899	8.364829	8.3422	7.810751	7.760631	7.781964	7.455574	7.505471	7.523327	7.732147	7.682931	7.756006
OTUD4	ENSG0000	-0.38009	6.691421	-8.83565	7.35E-08	2.94E-06	8.100569	7.171428	7.102266	7.165352	6.569526	6.52138	6.66232	6.686381	6.722383	6.701455	6.829103	6.814132	6.786805	6.467659	6.492942	6.532227	6.509315	6.469946	6.502774
LSM6	ENSG0000	-0.46417	4.186361	-3.59192	0.002166	0.008603	-2.0335	5.034569	4.949684	4.904734	3.237064	3.278066	3.292047	4.164604	4.030158	4.189248	4.759247	4.644965	4.729802	3.918659	4.154036	4.093761	4.598895	4.504286	4.422617
TMEM184	ENSG0000	0.419335	6.385062	6.192959	8.68E-06	0.000115	3.244156	6.136585	6.090521	6.131809	6.635072	6.625516	6.672277	6.815607	6.821569	6.722489	6.153685	6.064665	6.06106	6.454562	6.456275	6.560825	6.255663	6.286139	6.312003
PRMT9	ENSG0000	0.071231	3.31188	0.681605	0.504421	0.620367	-6.5475	3.026682	3.273623	3.044832	3.815786	3.643567	3.666886	3.474265	3.232814	3.453254	3.479955	3.605665	3.543997	3.587808	3.445301	3.525482	3.470581	3.467897	3.455199
ITGA2	ENSG0000	-0.26569	5.787409	-2.40127	0.02771	0.065041	-4.78131	6.099415	6.056225	6.117333	4.316764	4.368438	4.537503	5.697811	5.636658	5.598715	6.498138	6.683097	6.439403	5.759221	5.828053	5.872388	6.444083	6.37919	6.393378
MOCS2	ENSG0000	0.444372	5.51973	6.801422	2.66E-06	4.70E-05	4.594967	5.901801	5.942235	5.887131	6.438717	6.198646	6.304531	6.475171	6.519163	6.557606	4.75239	4.692848	4.69538	4.96202	4.974036	4.935528	4.953468	4.90101	4.918728
EDIL3	ENSG0000	0.262641	6.352225	2.982659	0.008171	0.024725	-3.62604	5.237197	5.164879	5.159101	6.55861	6.395223	6.592126	5.83747	5.764893	5.94827	6.510383	6.437209	6.454523	7.714045	7.761337	7.711519	6.438184	6.539501	6.489376
TMEM161	ENSG0000	-0.07369	4.999655	-0.92716	0.366472	0.488367	-6.77157	5.100552	5.147837	5.155563	4.827817	4.831037	4.777799	5.32896	5.306587	5.256657	5.112462	5.110531	5.168603	5.034222	4.994639	5.003776	4.84468	4.917433	4.906683
ELOVL7	ENSG0000	0.673127	3.550567	5.049785	9.09E-05	0.000705	1.300176	3.385444	2.870177	2.558197	3.898911	3.759832	3.982555	3.705302	3.351955	3.373665	3.64455	3.626949	3.519989	3.932895	3.987816	3.916269	4.240529	4.258317	4.216898
NDUFAF2	ENSG0000	-0.28996	5.047009	-5.06981	8.72E-05	0.000682	1.095179	5.968108	6.043381	5.86564	5.222985	5.244245	5.341983	5.498697	5.771015	5.673738	4.92393	4.78725	4.885889	4.135224	4.215509	4.288734	4.616418	4.517274	4.72199
LMBRD2	ENSG0000	0.349913	4.359092	2.467005	0.024222	0.058549	-4.30738	3.65311	3.896716	3.947516	4.857809	4.694855	4.927828	4.622059	4.677356	4.606245	4.261822	4.471494	4.466439	4.301707	4.630959	4.584502	4.446571	4.377068	4.353311
NIPBL	ENSG0000	-0.14281	6.55273	-1.83568	0.083478	0.15526	-5.82883	6.45374	6.457138	6.466178	6.218315	6.261358	6.396641	6.524402	6.491623	6.52298	6.784423	6.87988	6.701987	6.79503	6.874314	6.905894	6.505558	6.422408	6.574316
RNF180	ENSG0000	-0.35762	-1.9792	-1.30145	0.209998	0.317078	-5.03678	2.438959	1.81559	1.818408	1.326771	1.164793	1.575618	1.389995	1.710758	1.674905	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ADGRV1	ENSG0000	-0.23274	0.878617	-0.80906	0.42936	0.550885	-5.68196	3.156438	3.085957	3.162305	4.464421	4.368438	4.610338	2.779728	3.002451	3.00245	0.415169	0.695454	0.34382	0.701742	0.7293	0.335616	0.457048	0.358227	0.315289
SLC25A46	ENSG0000	0.358016	6.346179	5.538442	3.27E-05	0.000319	1.887905	5.885257	5.930325	5.982065	6.508442	6.358812	6.372415	6.54244	6.480459	6.506283	6.219807	6.222136	6.242565	6.666043	6.769759	6.658445	6.446045	6.346816	6.426093
STARD4	ENSG0000	0.731335	5.141094	3.496744	0.00267	0.010239	-2.28593	6.046458	6.01922	5.99598	5.938549	5.856685	5.899666	7.165166	7.34717	7.170416	4.553726	4.606195	4.512795	3.141522	3.223865	3.116699	4.226905	4.495561	4.359215
PGGT1B	ENSG0000	-0.21547	5.737901	-5.09763	8.22E-05	0.00065	1.007017	5.717835	5.783578	5.717553	5.540275	5.419464	5.394483	5.570773	5.673074	5.612649	6.097974	6.118253	6.211047	5.779056	5.814873	5.726866	5.812844	5.87814	5.91704
F2RL2	ENSG0000	1.041761	1.575367	3.861783	0.001197	0.005401	-0.76224	6.038999	6.182094	6.086081	5.67103	5.684306	5.622881	7.178043	7.167391	7.155026	0.190076	0.259702	0.34382	0.234608	0.190544	0.106501	0.326864	0.19538	0.214669
CCDC112	ENSG0000	0.114168	3.177146	0.913441	0.373439	0.495888	-6.39721	2.9807	2.870177	2.933559	3.237064	2.520598	2.825643	2.696258	2.777669	2.846105	3.651939	3.501964	3.419749	4.260913	4.190213	4.306856	3.762638	3.659719	3.761956
ANKRD33B	ENSG0000	-1.44528	4.408106	-4.13638	0.000655	0.003328	-0.7531	7.544358	7.468316	7.520613	3.851999	4.009905	4.000731	5.753932	5.679597	5.523269	3.584041	3.722323	3.748962	3.039964	3.162755	3.075009	3.272618	3.287607	2.975687
CMBL	ENSG0000	0.334941	2.09143	1.027717	0.318097	0.437956	-5.51249	6.435391	6.450203	6.484623	6.493236	6.42096	6.391483	6.817254	6.843522	6.755833	0.190076	0.330605	0.230035	0.562188	0.612281	0.533283	0.257084	0.19538	0.214669
C5orf63	ENSG0000	-0.142	3.04115	-1.1808	0.2535	0.368091	-6.04495	2.917019	3.182839	2.900124	3.21869	2.71237	3.069023	2.957542	3.122225	3.084728	3.496465	3.547323	3.195594	3.557503	3.68147	3.6725	2.968656	3.356678	3.228839
PRRC1	ENSG0000	-0.17662	7.172954	-3.36607	0.003555	0.012811	-2.90063	7.2567	7.332375	7.292399	7.523468	7.499956	7.467996	7.015369	7.097252	6.963088	7.139454	7.145024	7.076898	7.141997	7.103648	7.166893	7.027678	7.004399	7.045406
F2RL1	ENSG0000	0.072345	5.065496	1.259552	0.224392	0.334346	-6.60434	2.609804	2.655462	2.579475	2.766336	2.881616	2.064596	3.072345	2.894433	2.82232	7.893333	7.835678	7.877765	7.261493	7.266202	7.319737	7.910701	7.931586	7.879771
AGGF1	ENSG0000	0.019301	5.887693	0.367464	0.717685	0.800002	-7.26081	6.119004	6.130976	6.18657	6.340176	6.212315	6.182445	6.202659	6.212301	6.206646	5.627223	5.510473	5.486135	5.805085	5.881184	5.781349	5.559256	5.453977	5.542033
WDR41	ENSG0000	0.136669	5.004115	1.859946	0.079808	0.150258	-5.47881	5.672757	5.642269	5.477985	5.740289	5.568621	5.722075	5.620676	5.801241	5.605699	4.332495	4.269773	4.190389	4.580176	4.749998	4.635585	4.418877	4.568087	4.382594
NDUFS4	ENSG0000	-0.07172	5.743755	-1.28003	0.217265	0.32615	-6.47917	6.374462	6.539156	6.403429	6.049263	6.056841	6.148201	6.364618	6.347489	6.287046	5.259969	5.263327	5.349772	5.158554	5.277664	5.255457	5.299906	5.289597	5.194471
SPINK1	ENSG0000	-1.88188	-0.10475	-7.63878	5.69E-07	1.38E-05	6.205183	1.642349	1.81559	1.987129	0.635873	0.106501	0.2349	0.886508	1.001115	0.735084	2.409929	2.727926	2.638296	0.407676	0.671977	0.335616	1.320757	1.206659	0.999041
ESM1	ENSG0000	2.881487	-0.28477	6.656976	3.51E-06	5.68E-05	4.295162	3.313074	3.676739	3.533304	3.944346	3.457132	3.689474	6.44139	6.411592	6.437493	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GRPEL2	ENSG0000	-0.24561	5.628562	-1.89045	0.075397	0.143432	-5.63187	6.227986	6.03969	6.040775	4.949796	4.86605	4.983728	5.574674	5.885479	5.961941	5.888767	5.768456	5.843749	5.647128	5.681447	5.576251	5.609121	5.670976	5.654343
ARSK	ENSG0000	0.441988	2.289855	3.42811	0.003103	0.011532	-1.86235	2.27083	2.448351	2.37563	3.181227	3.112982	2.825643	2.884002	3.023117	2.588518	2.338465	2.23117	1.896649	2.591031	2.756951	2.604018	2.229352	2.410923	2.59029
RHOBTB3	ENSG0000	-0.61983	7.940583	-3.6938	0.001732	0.007223	-2.24408	8.375238	8.376284	8.351069	7.990189	7.911683	7.931857	7.671554	7.758794	7.763537	7.800815	7.877347	7.774056	8.567483	8.581212	8.629196	7.200861	7.232192	7.25151
GPX8	ENSG0000	0.774287	5.114028	8.161018	2.28E-07	6.65E-06	7.185913	5.429176	5.504468	5.347631	6.55861	6.3444	6.430558	6.116986	6.328935	6.242934	3.512789	3.668598	3.712353	5.036421	4.869552	5.020346	4.353508	4.268595	4.286716

TIGD6	ENSG0000	-0.03807	3.620093	-0.40569	0.689892	0.778308	-6.72607	4.186225	4.101775	4.1812	4.254996	4.040879	3.97338	4.079318	4.203129	4.198517	3.303547	3.204502	3.353367	3.532792	3.470735	3.571181	3.011667	3.32748	3.364179
SERINC5	ENSG0000	-0.61314	5.420549	-6.02699	1.21E-05	0.000148	3.001354	5.015692	5.130591	4.98267	5.400559	5.226392	5.268872	4.552561	4.696781	4.66091	6.391835	6.329896	6.320212	5.802503	5.814873	5.77648	5.65393	5.605589	5.603018
CASP3	ENSG0000	-0.10106	6.107033	-1.70657	0.105606	0.186458	-5.96784	6.553964	6.381882	6.409383	6.046662	6.19406	6.204178	6.487637	6.595316	6.508148	6.089837	6.134444	6.138002	5.651439	5.741888	5.631222	5.830969	5.837294	5.886702
PRIMPOL	ENSG0000	-0.68243	3.160032	-6.19452	8.65E-06	0.000115	3.718515	4.296689	4.262405	4.249168	3.181227	2.881616	3.216292	3.507292	3.431409	3.389938	3.376719	3.322263	3.413246	2.791825	3.032175	2.689384	3.001034	2.908298	2.928814
ERAP1	ENSG0000	0.229974	7.054805	6.266521	7.51E-06	0.000103	3.322251	7.025253	7.014736	6.996669	7.17725	7.135191	7.231619	7.230905	7.114207	7.190297	6.862126	6.909132	6.856764	6.976057	6.974767	7.016709	7.175079	7.125263	7.176583
ERAP2	ENSG0000	0.257304	2.738208	2.370329	0.029509	0.068297	-4.22299	1.927307	1.81559	2.248556	2.518519	2.686486	2.629332	2.340763	2.290412	2.165532	3.744695	3.584062	3.380287	3.746669	3.544454	3.658454	3.743628	3.772348	3.753014
CMYA5	ENSG0000	0.24475	0.504609	1.058069	0.304429	0.423518	-5.58147	0.947665	1.277811	0.898566	1.256461	1.373859	1.623325	1.074544	0.509405	1.171446	1.315703	1.369793	1.061592	1.776519	1.622273	1.876113	1.512637	1.645686	1.58715
EGFLAM	ENSG0000	2.478922	1.026213	8.550196	1.18E-07	4.05E-06	7.096542	4.640181	4.852052	4.701394	7.295924	7.175294	7.269593	7.240759	7.183546	7.209908	0.106501	0.106501	0.106501	0.171976	0.190544	0.106501	0.183756	0.19538	0.106501
CFAP97	ENSG0000	0.205509	6.131647	2.834333	0.011224	0.031864	-3.8875	6.45374	6.440439	6.41679	6.547611	6.480541	6.526206	6.464699	6.59704	6.417788	5.449962	5.542561	5.548285	6.0834	6.130274	6.076316	5.898412	5.839019	5.85153
RICTOR	ENSG0000	-0.1392	5.295253	-2.47697	0.023732	0.057661	-4.52876	5.2241	5.191734	5.258094	4.740363	4.842803	4.772519	5.131269	5.237527	5.117003	5.774953	5.752405	5.669188	5.479457	5.562284	5.592963	5.522553	5.599495	5.536833
TENT2	ENSG0000	0.079544	6.078762	0.693002	0.497414	0.614605	-7.13785	6.255601	6.208634	6.37481	5.762655	5.800478	5.928437	6.428516	6.397811	6.331956	5.907408	5.928441	5.880747	6.190958	6.287632	6.221909	5.906981	6.004966	5.998741
EBF1	ENSG0000	0.068038	1.083491	0.146424	0.885262	0.923653	-6.06231	3.408783	2.870177	3.013906	4.272916	3.99943	3.907468	3.370387	3.178579	3.437684	0.781331	1.07167	1.094478	0.352262	0.26996	0.404558	0.393424	0.759002	0.580851
ANKRA2	ENSG0000	-0.51213	4.009794	-4.62327	0.000227	0.001433	0.346461	4.785446	4.756352	4.542529	4.263984	4.030628	4.393601	4.034706	4.175703	4.011347	3.87668	3.919204	3.977706	4.033205	4.10073	4.189664	3.545669	3.562824	3.641153
UBLCP1	ENSG0000	-0.14226	6.405616	-1.37952	0.185131	0.287298	-6.4766	6.819693	6.826218	6.78859	6.340176	6.054313	6.213949	6.575907	6.570961	6.4988	6.26025	6.320129	6.254437	6.420449	6.455213	6.454087	6.225151	6.194777	6.346593
UTP15	ENSG0000	-0.34629	5.506691	-4.66897	0.000205	0.001327	0.138317	6.43397	6.46679	6.397451	5.388282	5.47722	5.334836	5.882222	5.962395	5.961941	5.46891	5.29248	5.427652	4.810927	4.847068	4.929692	5.240125	5.157568	5.262209
TLR3	ENSG0000	0.277561	1.12712	0.826272	0.419787	0.541333	-5.77067	2.707144	2.935191	2.5366	2.605941	2.762786	2.697781	2.933443	3.063581	2.697131	0.781331	0.398185	0.726056	1.524131	1.357245	1.51998	0.738851	0.975239	0.659518
NSA2	ENSG0000	-0.15197	7.195647	-4.31689	0.000441	0.002439	-0.83471	7.350832	7.351109	7.326622	7.196155	7.055276	7.218088	7.1245	7.189271	7.159779	7.305009	7.228618	7.264238	7.153186	7.139112	7.203024	7.089838	7.143528	7.206367
GFM2	ENSG0000	-0.28236	6.198662	-3.70562	0.001688	0.007071	-2.06242	6.656233	6.761589	6.674569	6.248061	6.170911	6.212	6.232593	6.361757	6.265158	6.063762	6.014403	6.130093	6.09716	6.144832	6.164677	5.939365	5.906389	5.900939
CCDC127	ENSG0000	-0.12255	5.190768	-1.75309	0.097107	0.174787	-5.74789	5.237197	5.24399	5.194009	5.472108	5.383668	5.227023	5.286782	5.293887	5.351109	5.384942	5.27461	5.380097	5.130006	5.093459	5.025827	5.026064	5.098298	5.059556
FOXQ1	ENSG0000	-1.77785	0.096167	-4.75363	0.000171	0.001156	0.966444	4.381709	4.457599	4.476008	2.457149	2.03796	1.919272	2.858632	2.451551	2.643847	0.54782	0.583785	0.639567	0.106501	0.106501	0.106501	0.393424	0.2791	0.734116
CSF2	ENSG0000	-1.27193	-0.59797	-2.12028	0.048572	0.101414	-4.17567	1.927307	2.332462	2.194417	0.106501	0.106501	0.106501	0.106501	0.106501	0.515351	1.676063	1.644832	1.896649	0.982856	0.671977	0.862212	1.833493	1.581179	1.775544
SEPTIN8	ENSG0000	0.174666	5.879169	1.632137	0.120536	0.206718	-6.04252	6.244294	6.168638	6.214041	5.806374	5.989635	5.857899	6.114309	6.150246	6.06688	5.409124	5.4757	5.429264	5.929806	5.884342	5.982187	5.85035	5.873097	5.838909
SHROOM1	ENSG0000	0.054402	3.445141	0.688473	0.500192	0.617335	-6.68902	3.19722	3.235413	3.119366	3.041869	3.151334	3.051692	3.115825	2.916694	3.181386	4.242376	4.10258	4.144017	3.691919	3.752319	3.760608	4.349322	4.283876	4.170642
UQCRQ	ENSG0000	-0.04092	7.328706	-1.22368	0.237313	0.349237	-6.76301	7.37325	7.399428	7.34071	7.397428	7.45371	7.367395	7.385456	7.34512	7.430473	7.367489	7.328353	7.34802	7.22773	7.299112	7.251784	7.267812	7.215022	7.285238
GJB7	ENSG0000	2.142237	0.600655	6.340979	6.48E-06	9.15E-05	3.806284	1.561356	1.420874	1.453818	3.290819	3.502343	3.391835	2.957542	3.102941	2.869505	0.106501	0.462741	0.34382	1.154653	1.120667	0.910419	0.738851	1.289746	0.659518
SLC35A1	ENSG0000	0.08937	2.950009	0.966029	0.347207	0.468388	-6.26339	2.568952	2.784561	2.720234	2.887595	2.835252	2.784269	2.908934	2.938616	3.064594	3.294134	3.322263	3.305013	3.714069	3.68147	3.799527	3.307556	3.337278	3.202807
GRIK2	ENSG0000	-0.18453	0.356131	-1.13731	0.27076	0.387347	-6.05011	0.318509	0.215206	0.219246	0.258133	0.512209	0.2349	0.269385	0.106501	0.106501	3.938405	3.907656	3.886761	3.074617	3.329589	3.263113	3.818209	3.815048	3.770842
CGAS	ENSG0000	-0.21744	1.743955	-1.55968	0.136758	0.227845	-5.90309	0.587539	0.8079	0.598525	0.395333	0.389229	0.563119	0.415731	0.106501	0.106501	5.855556	5.691415	5.820595	4.818614	4.875912	4.810905	5.75548	5.629711	5.607985
CITED2	ENSG0000	-0.86125	5.730051	-7.49507	7.37E-07	1.69E-05	5.850357	6.426843	6.455753	6.427097	5.684481	5.667864	5.587238	5.719113	5.535999	5.703339	5.814994	5.916967	6.076575	5.880469	5.860486	5.750232	5.124869	5.121165	4.910709
TBXT	ENSG0000	1.349059	4.321094	6.172415	9.04E-06	0.000119	3.64503	9.377711	9.374128	9.450904	11.19017	11.14015	11.08877	10.81133	10.70033	10.78599	0.269074	0.330605	0.449284	0.407676	0.484926	0.651457	0.457048	0.504542	0.315289
CREBRF	ENSG0000	-0.2594	2.586828	-1.79302	0.090294	0.164689	-5.10282	1.894617	1.780637	1.987129	2.91067	2.549605	2.675323	2.058296	2.220554	2.274723	2.978724	3.365114	3.312021	4.294375	4.363157	4.179864	2.706012	2.784842	2.944608
DCBLD1	ENSG0000	-0.1053	4.197585	-1.13255	0.272702	0.389499	-6.44604	4.014302	3.829904	3.96379	3.921807	3.912781	3.897801	3.539581	3.82184	3.655245	4.829349	4.902278	4.972471	4.489986	4.363157	4.320301	4.838721	4.780497	5.004109
SFXN1	ENSG0000	0.729198	7.185914	8.540224	1.20E-07	4.11E-06	7.569916	7.139522	7.266007	7.106103	7.618504	7.54926	7.582546	8.096716	8.084827	8.000558	6.723489	6.680555	6.647626	6.422132	6.466846	6.451034	7.22219	7.167068	7.318954
PDSS2	ENSG0000	0.415913	3.592391	4.414033	0.000357	0.002059	0.019176	4.145127	4.281283	3.971859	4.367681	4.284653	4.48682	4.6145	4.637703	4.680887	2.868884	2.829342	2.902498	3.173846	3.292034	3.317756	3.103995	3.104657	3.006111
STXBP5	ENSG0000	0.011852	4.686473	0.094747	0.925594	0.950897	-7.08387	4.574623	4.527784	4.671981	5.543969	5.379635	5.54451	4.7858	4.814082	4.831463	4.641707	4.595438	4.527922	4.612964	4.585115	4.591911	4.454386	4.367537	4.359215
IL31RA	ENSG0000	-0.46097	0.350014	-1.46934	0.159511	0.256714	-5.26384	1.519087	1.670392	1.358564	0.258133	0.389229	0.2349	0.983587	0.824004	0.735084	2.078238	1.875739	1.718241	2.044674	1.738515	1.749324	1.759719	1.613793	1.81044
RAET1E	ENSG0000	0.427453	1.591541	1.455124	0.163361	0.261432	-5.37143	1.519087	1.631689	1.706811	2.457149	2.264801	2.22781	1.389995	1.549165	1.620777	2.320032	2.469748	1.896649	1.667235	1.681564	1.970087	2.706012	2.696248	2.975687
DAGLB	ENSG0000	-0.43146	4.494704	-3.61566	0.002056	0.008246	-1.9583	5.233934	4.976959	5.116065	4.59836	4.628433	4.271657	4.528631	4.59002	4.801363	4.501517	4.369954	4.512795	4.63635	4.450973	4.554478	4.042177	4.211138	4.073428
KIAA0895	ENSG0000	-0.04934	4.014716	-0.64944	0.524498	0.637953	-6.72753	4.674285	4.457599	4.476008	4.254996	4.240862	4.473866	4.235306	4.489649	4.355908	3.723813	3.947677	3.759253	3.708564	3.688714	3.773698	3.806044	3.870083	3.984547
STK17A	ENSG0000	0.194899	6.483985	2.111523	0.049409	0.102675	-5.31508	7.444853	7.460055	7.481587	6.773673	6.693695	6.683573	7.906333	7.859186	7.818674	5.844313	5.803151	5.89715	5.26928	5.460164	5.308139	5.757061	5.762906	5.849434
TRA2A	ENSG0000	0.25648	6.330267	2.417725	0.026795	0.063374	-4.77565	6.333889	6.347962	6.227583	6.023033	5.868245	6.029279	6.822184	6.866575	6.932863	6.366236	6.343889	6.34006	6.237578	6.311289	6.208716	6.238791	6.335861	6.44842
GALNT10	ENSG0000	0.357948	7.039135	1.186769	0.2512	0.365533	-6.79192	6.801072	6.83689	6.856623	7.557676	7.561773	7.472887	7.073036	7.065227	7.001986	7.343163	7.266972	7.245144	5.925066	5.834598	5.822871	7.756454	7.748194	7.760474
SAP30L	ENSG0000	0.421989	4.460283	5.860374	1.69E-05	0.000192	2.886129	4.252223	4.318312	4.394314	5.268353	5.379635	5.230878	4.938902	4.690335	4.801363	3.920163	3.953305	3.809637	4.555854	4.777434	4.670996	4.349322	4.151298	4.080593
RPS14	ENSG0000	0.266159	9.51223	7.15002	1.38E-06	2.78E-05	4.909089	9.498882	9.452036	9.437856	9.690045	9.708708	9.633813	9.825551	9.780779	9.788788	9.284166	9.246555	9.150689	9.449747	9.512757	9.51552	9.379711	9.435843	9.465814
COG5	ENSG0000	-0.2831	5.593498	-3.16885	0.005464	0.018098	-3.10882	6.224702	6.221723	6.176132	5.996317	5.773069	5.875244	5.897874	5.865591	5.650287	5.269607	5.258789	5.216073	5.431803	5.564254	5.517157	5.02081	5.123998	5.171166
BMT2	ENSG0000	0.030338	3.064303	0.288118	0.776645	0.843314	-6.67919	2.668993	2.636038	2.758051	3.740513	3.426184	3.321269	2.779728	2.676938	2.981126	3.226465	3.439177	3.325935	3.799417	3.839509	3.747398	3.063688	3.467897	3.410407
SLU7	ENSG0000	-0.34789	5.91225	-3.93151	0.001027	0.004786	-1.55333	5.93634	5.873404	5.922947	5.456512	5.458224	5.490866	5.490461	5.666521	5.534291	6.34246	6.263495	6.247143	6.336378	6.519589	6.457132	5.881119	5.943748	6.05439
RP9	ENSG0000	-0.01173	3.991515	-0.12921	0.898663	0.932444	-6.94901	4.664623	4.383825	4.370098	4.161901	3.912781	4.036412	4.402637	4.504423	4.599264	3.901688	3.70241	4.059098	3.799417	3.799921	3.693316	3.894879	3.903444	3.734962
PTTG1	ENSG0000	0.134911	5.310501	0.888132	0.386529	0.508247	-6.88412	6.341489	6.402146	6.304671	5.087795	5.152684	5.055043	6.670066	6.626038	6.663472	5.636563	5.608245	5.545315	2.949505	3.193633	2.858649	5.580838	5.467424	5.481066
CAMLG	ENSG0000	-0.04112	5.243897	-0.75539	0.460075	0.580668	-6.95292	5.253402	5.204977	5.108765	5.346585	5.20376	5.230878	5.141824	5.174263	5.150819	5.200749	5.270107	5.341234	5.642804	5.57015	5.549863	5.249139	5.184958	5.268497
BMPER	ENSG0000	0.831564	1.291916	2.025873	0.058322	0.117145	-4.17148	5.237197	5.31594	5.248163	7.092759	6.970674	7.026239	6.232593	6.078014	6.276143	0.269074	0.259702	0.230035	0.171976	0.26996	0.263213	0.106501	0.106501	0.106501
RELL2	ENSG0000	0.398261	3.185301	2.960561	0.008569	0.025711	-3.11787	2.080492	2.125186	2.018628	3.487804	3.295295	3.432575	2.884002	2.753138	2.798137	3.838337	3.682218	3.779618	4.234338	4.15926	4.139984	3.989359	4.100421	3.779675
KCNK5	ENSG0000	-0.27681	3.208659	-2.4434	0.025424	0.060797	-4.38453	2.744313	2.693541	2.558197	1.326771	1.164793	1.669505	2.545421	2.650616	2.501332	5.035466	4.842882	4.947938	4.493192	4.488812	4.440084	4.61293	4.718118	4.637057
ZNF12	ENSG0000	-0.01806	5.711177	-0.21847	0.829594	0.883624	-7.30328	5.938346	5.996553	5.901987	5.797117	5.57216	5.671913	5.597858	5.801241	5.667077	5.552212	5.593905	5.513751	5.829386	5.821478	5.867817	5.772774	5.672912	5.742817
SLC29A4	ENSG0000	0.371805	2.470427	3.761917	0.001491	0.006424	-1.15295	2.649532	2.9974	2.720234	3.619685	3.722109	3.733615	3.115825	3.023117	3.124172	1.840286	1.967585	1.877881	2.749557	2.743101	2.906973	2.211015	2.315011	2.033602
STEAP1	ENSG0000	0.130236	3.904736	0.469327	0.644638	0.742299	-6.97834	3.236881	3.347134	2.982302	3.999198	3.6964	3.711713	3.158032	3.415864	3.124172	5.281564	5.162472	5.260219	3.228726	3.263212	3.396027	5.380055	5.329416	5.385942
CDCA7L	ENSG0000	-0.5245	5.230711	-5.23238	6.18E-05	0.000519	1.354746	5.814934	5.814146	5.769395	4.591236	4.621619	4.610338	4.666597	4.981823	4.819498	5.788424	5.747555	5.815673	5.071159	5.085249	4.97856	5.64029	5.556102	5.523749
MIOS	ENSG0000	0.072006	5.343453	1.007975	0.327218	0.447186	-6.74202	5.626225	5.509814	5.390399	5.268353	5.49597	5.394483	5.422829	5.484771	5.566863	5.109782	5.142905	5.185873	5.436806	5.390798	5.532641	5.289021	5.292118	5.299535
ELAPOR2	ENSG0000	0.243856	3.254043	1.713291	0.10434	0.184633	-5.29757	2.867343	2.655462	2.794903	4.209199	4.081169	4.407292	3.457463	3.160038	3.104585	3.102524	3.269103	3.133657	3.799417	3.964133	3.78667	3.053433	3.256961	3.30423
USP49	ENSG0000	-0.0315	2.673203	-0.17085	0.866301	0.909951	-6.62974	3.100204	2.853456	3.029452	2.425456	2.333126	2.581827	2.752438	3.002451	2.697131	2.763691	2.877496	2.756026	3.339736	3.544454	3.494191	2.935534	2.921385	2.706008
SYTL3	ENSG0000	-0.18177	1.383541	-1.22163	0.238071	0.350071	-5.79414	1.642349	1.118985	1.453818	0.934951	1.006428	0.830331	0.782422	1.001115	1.01237	2.930935	2.779525	2.756026	2.902055	3.077028	3.126936	2.625227	2.799093	2.990979
HEY1	ENSG0000	-0.56759	2.91788	-2.13656	0.047049	0.098867	-4.64699	2.629805	2.125186	2.194417	2.97776	3.378481	3.405543	2.303642	2.290412	2.697131	4.182415	4.305413	4.136142	3.18974	3.243672	2.930541	3.324713	3.431768	3.466183
ZNF704	ENSG0000	-0.7104	4.183033	-6.65425	3.53E-06	5.70E-05	4.438748	4.199669	4.401188	4.1812	3.791129	4.081169	4.130213	3.219115	2.916694	3.340558	5.012691	5.137972	4.918395	4.665059	4.707838	4.595601	4.489042	4.605057	4.483349
FABP5	ENSG0000	-0.41051	5.997349	-7.53455	6.86E-07	1.60E-05	5.864787	6.695905	6.746952	6.643335	5.803295	5.757614	5.743822	6.230122	6.276108	6.39781	6.343601	6.281503	6.395543	5.07758	5.107039	5.13383	5.969675	5.856159	5.938889
CHMP4C	ENSG0000	-0.24905	4.247073	-1.05442	0.306048	0.425355	-6.65291	4.10996	4.080378	4.153091	2.457149	2.490996	2.164723	1.966276	2.069791	1.826075	5.79678	5.801592	5.779474	6.255623	6.288824	6.257287	5.764939	6.044381	5.904981
BRI3	ENSG0000	-0.15902	6.099747	-1.82715	0.084803	0.157028	-5.75658	6.590142	6.633998	6.500048	6.665914	6.562874	6.481604	6.151346	6.124179	6.143263	5.76817	5.625972	5.90644	5.784299	5.788145	5.827587	5.936577	5.837294	5.868189
LMTK2	ENSG0000	-0.21914	6.169263	-1.35141	0.193797	0.297651	-6.44515	6.323181	6.380424	6.299872	7.168901	7.086539	7.135154	6.351036	6.379897	6.190479	6.037207	6.110718	6.06002	5.629755	5.720844	5.620394	5.742772	5.541343	5.661529
CTSB	ENSG0000	0.223319	8.942402	3.074544	0.006702	0.021233	-3.64076	8.873394	8.88259	8.849002	9.42622	9.409962	9.440329	9.362767	9.359681	9.403558	8.646452	8.605352	8.63089	8.799469	8.810792	8.806244	8.548514	8.590009	8.574147
DLC1	ENSG0000	0.76887	0.015139	4.230189	0.000533	0.002834	-0.04165	4.973272	4.83937	4.974661	4.619522	4.607895	4.772519	5.743574	5.653324	5.706591	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ADCY1	ENSG0000	-0.08291	4.057048	-0.68337	0.50333	0.619601	-6.86841	3.836399	3.667203	3.93931	3.376187	3.410458	3.678224	3.315502	3.521314	3.528681	5.085433	5.135498	5.022459	3.904282	3.964133	4.083285	5.156356	5.027439	5.109451
SUN3	ENSG0000	-1.02924	-0.5544	-2.61608	0.017786	0.045802	-3.2286	1.12723	1.327092	0.898566	0.258133	0.106501	0.3528	0.670238	0.726566	0.106501	1.423238	1.644832	1.49011	1.018891	1.120667	1.17005	1.058946	1.2488	1.115245
HNF4G	ENSG0000	-0.2452	2.050516	-0.92133	0.369423	0.491241	-6.2979	0.814199	1.061904	1.028027	2.21912	2.117603	2.317553	0.886508	0.253663	0.39151	4.125171	4.152359	4.178935	4.063713	4.10615	4.209066	4.036981	4.059571	4.136669
PEX2	ENSG0000	-0.01746	5.559391	-0.16625	0.869872	0.912409	-7.28978	5.485141	5.51514	5.402389	5.286108	5.446705	5.522662	5.431459	5.535999	5.489686	5.524305	5.471785	5.57329	6.136645	6.206689	6.128197	5.486798	5.489561	5.507891
RAD21	ENSG0000	0.178245	7.801215	4.412425	0.000358	0.002065	-0.69198	7.073513	7.070061	7.054799	7.09402	7.051479	7.071012	7.372071	7.414223	7.360976	8.479234	8.501387	8.49759	8.250988	8.29773	8.263306	8.551022	8.537321	8.613273
MED30	ENSG0000	-0.39205	3.331658	-3.51771	0.00255	0.009848	-2.07888	3.443098	3.382531	3.431666	2.181668	2.299368	2.196611	2.340763	2.825515	2.892531	4.337085	4.487097	4.512795	3.95166	4.10615	4.013272	4.293774	4.242761	4.051715
TNFRSF11E	ENSG0000	0.6436	1.09512	2.476783	0.023741	0.057673	-3.46719	3.223781	3.182839	3.190238	3.714523	3.441741	3.510758	3.904396	3.924273	3.844255	0.781331	0.640699	0.76743	0.352262	0.345231	0.335616	0.738851	0.572487	0.805046
EN2	ENSG0000	0.09924	1.578573	0.526649	0.605057	0.70754	-6.09265	3.026682	2.870177	3.029452	2.999448	2.948483	3.136338	3.277716	2.916694	2.530983	1.158593	1.112482	1.126631	1.218025	1.320413	1.046067	1.681967	1.368306	1.170016
KCNV1	ENSG0000	0.420426	0.57109	3.171977	0.005427	0.018013	-2.60196	0.318509	0.215206	0.421314	0.395333	0.25478	0.2349	0.269385	0.106501	0.39151	3.446357	3.612795	3.325935	3.884887	3.745389	3.824901	4.005409	3.829005	3.856822
SPIDR	ENSG0000	-0.2135	5.392416	-2.93258	0.009099	0.026965	-3.63422	5.093368	5.161486	5.176661	4.827817	4.675247	4.869675	4.944941	4.877874	4.895553	5.89967	5.962327	5.894818	6.050049	6.048178	6.143404	5.747551	5.692129	5.77188
ORC5	ENSG0000	-0.09081	5.320722	-1.52819	0.144362	0.237403	-6.09713	5.801771	5.803303	5.891391	5.452586	5.383668	5.448454	5.764215	5.679597	5.566863	5.046721	5.100422	5.145251	5.096674	4.976997	5.044848	5.09768	5.089629	5.063177
DNAAF5	ENSG0000	-0.29627	6.443644	-4.31909	0.000439	0.00243	-0.7538	6.88979	6.926554	6.970733	6.414705	6.480541	6.36717	6.560254	6.427182	6.361138	6.391835	6.333137	6.52633	6.312986	6.172221	6.284978	6.391114	6.302487	6.183125
OSGIN2	ENSG0000	-0.51256	7.030348	-3.28994	0.004198	0.014665	-3.01438	8.305064	8.337729	8.344481	7.427738	7.480317	7.514597	7.993415	8.092181	7.971116	6.422397	6.382987	6.456896	6.326528	6.378901	6.374696	5.614363	5.657352	5.720055
DEFB1	ENSG0000	-0.30913	0.571692	-1.27236	0.219914	0.329362	-5.22491	6.770995	6.804633	6.80449	5.388282	5.180767	5.341983	6.44139	6.442606	6.524823	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SUN1	ENSG0000	-0.28248	6.839105	-4.27466	0.000484	0.002627	-0.90102	7.592925	7.643283	7.559281	6.464286	6.508511	6.540255	7.096287	7.161578	7.159779	6.835607	6.900419	6.85856	6.267841	6.261152	6.229054	6.744224	6.77761	6.747502
OXR1	ENSG0000	-0.18708	5.387306	-3.52596	0.002504	0.009705	-2.40305	4.584905	4.658672	4.739702	4.272916	4.500575	4.447604	4.536652	4.68386	4.505294	6.429938	6.348167	6.40786	6.322028	6.365404	6.382194	6.146525	6.145437	6.249797
TMEM74	ENSG0000	-0.04478	-0.05423	-0.22483	0.824722	0.880087	-6.12545	0.667115	0.661886	0.598525	0.635873	0.625525	0.461789	1.074544	0.726566	0.39151	1.732907	1.529011	1.718241	1.308151	1.2438	1.284217	1.571317	1.878239	1.273688
FAM86FP	ENSG0000	-0.35903	0.121784	-1.34444	0.195997	0.3003	-5.28289	1.18244	1.173893	0.598525	0.258133	0.92021	0.830331	0.670238	0.622068	0.833554	1.704765	1.467416	1.49011	1.733794	1.495836	1.749324	1.354562	1.442809	1.322858
GPER1	ENSG0000	1.237716	1.420548	4.642204	0.000218	0.001386	0.732497	0.882475	1.226787	1.358564	1.888135	1.556428	1.367251	2.981245	2.825515	2.748518	1.840286	1.8028	2.409144	1.524131	1.495836	1.801384	2.368215	2.429363	2.419973
TMEM184/	ENSG0000	-0.3583	5.438476	-1.86384	0.079232	0.149371	-5.67408	5.504227	5.517795	5.581801	4.072648	4.1957	4.170914	4.723921	4.332946	4.45204	6.081653	6.118253	6.182654	6.499889	6.385602	6.463205	6.152543	6.132834	6.06165
NOS3	ENSG0000	-0.42905	2.043021	-4.5187	0.000284	0.001716	0.084325	0.742531	0.8079	0.598525	0.742604	0.730585	0.830331	1.160105	0.387194	0.629397	4.710546	4.692848	4.842989	5.538057	5.434541	5.339289	4.249541	4.338561	4.399883
MICALL2	ENSG0000	0.241891	5.421142	2.852097	0.010807	0.030921	-3.76912	5.313374	5.181722	5.594921	5.400559	5.593209	5.331249	5.764215	5.420016	5.673738	5.104407	5.29248	5.332646	5.669971	5.479087	5.650865	5.537346	5.502682	5.362617
INTS1	ENSG0000	-0.10437	7.985293	-1.54833	0.13946	0.231129	-6.38344	8.219389	8.266489	8.419039	7.928642	8.166989	7.977314	8.202596	8.020761	8.158499	7.727967	7.820362	7.881597	7.965843	7.882364	7.88251	7.839373	7.809313	7.673111
CDK5	ENSG0000	-0.19317	4.807104	-2.53928	0.020867	0.052015	-4.29057	5.060589	5.059469	4.998554	4.591236	4.56592	4.662649	4.864381	4.796183	4.866774	4.954128	4.875852	4.968042	4.973543	4.956139	5.009321	4.871197	4.725598	4.675424
SLC4A2	ENSG0000	-0.11634	7.798649	-1.46252	0.161349	0.258882	-6.47782	7.856953	7.813966	7.854277	8.463277	8.628189	8.451264	7.810351	7.65006	7.701327	7.564352	7.509731	7.602122	7.829825	7.723926	7.707688	7.510169	7.476756	7.345222
FASTK	ENSG0000	0.150998	6.100211	3.396217	0.003328	0.012169	-2.68816	6.224702	6.266621	6.307862	6.818591	6.899228	6.853225	6.540447	6.459763	6.474207	5.508112	5.533197	5.583462	6.054396	5.871668	5.983596	5.60386	5.613675	5.617869
TMUB1	ENSG0000	-0.02957	5.269758	-0.45296	0.656152	0.752098	-7.14154	5.163648	5.185067	5.241504	5.444703	5.532753	5.425089	5.093706	5.098392	5.252213	5.208286	5.231258	5.478369	5.463201	5.458046	5.418515	5.410507	5.370553	5.070394
PHAX	ENSG0000	-0.28874	6.498544	-6.20386	8.49E-06	0.000114	3.234653	6.682802	6.635221	6.615279	6.144804	6.11379	6.196313	6.205178	6.273954	6.338259	6.811892	6.805602	6.821595	6.586483	6.612974	6.634428	6.610714	6.546909	6.636412
ALDH7A1	ENSG0000	-0.16354	6.122169	-1.33296	0.199661	0.304538	-6.45483	6.648901	6.633998	6.62042	6.576757	6.591051	6.710052	6.739468	6.74433	6.883434	5.747627	5.618907	5.709551	5.9855	5.912457	5.939265	5.161139	5.203826	5.191165
FOXK1	ENSG0000	0.197521	6.018497	1.649609	0.116878	0.201953	-6.01787	6.543459	6.450203	6.494458	6.307949	6.285268	6.338872	7.162576	7.078863	7.033402	5.58539	5.719758	5.666457	5.338642	5.277664	5.319341	5.500074	5.266706	5.417409
COX6C	ENSG0000	-0.12992	6.849206	-2.36113	0.030065	0.069245	-4.92118	7.215934	7.305732	7.162711	7.003011	6.899228	6.934663	6.989306	7.128582	7.22132	6.667178	6.694063	6.687915	6.664622	6.628123	6.690721	6.57352	6.474393	6.580647
OSR2	ENSG0000	0.396605	1.219314	1.457691	0.16266	0.260515	-5.19342	1.384302	1.631689	1.62731	1.791994	2.078331	1.799787	2.186178	2.108984	2.202855	1.158593	1.403073	1.49011	2.25569	2.48471	2.23906	1.099384	1.613793	1.416439
YWHAZ	ENSG0000	0.086504	10.27281	2.710013	0.014605	0.039212	-4.49912	9.849389	9.836299	9.809688	9.793368	9.757114	9.76389	9.808675	9.855242	9.811241	10.7194	10.68586	10.66306	10.63227	10.69737	10.69204	10.80711	10.84735	10.90403
FZD6	ENSG0000	-0.31225	6.481564	-4.24262	0.000519	0.002781	-0.94062	6.538177	6.545676	6.502835	6.009737	5.965622	6.044692	6.278754	6.107342	6.138455	6.94039	6.833334	6.77924	6.839787	6.829142	6.865198	6.533497	6.608892	6.613129
CTHRC1	ENSG0000	0.726125	2.036865	7.711016	5.00E-07	1.25E-05	6.31794	0.106501	0.316291	0.323815	0.742604	0.25478	0.2349	0.548589	0.509405	0.629397	5.678768	5.789058	5.765503	6.134593	6.227976	6.218323	6.429288	6.489849	6.355481
SLC25A32	ENSG0000	-0.05019	6.290588	-1.20708	0.243482	0.356342	-6.69035	6.443889	6.443236	6.361052	5.974582	6.00018	6.057773	6.536452	6.440687	6.395797	6.489916	6.481699	6.505084	6.04022	6.123609	6.170875	6.381922	6.345603	6.381823
DCAF13	ENSG0000	-0.11549	7.359084	-3.28512	0.004242	0.014787	-3.11764	6.72525	6.851701	6.771358	6.633339	6.559313	6.624723	6.621871	6.590132	6.603683	8.165897	8.058948	8.081424	8.079243	8.095267	8.089694	8.029256	8.024349	8.040434
TP53INP1	ENSG0000	0.006608	3.933368	0.017002	0.986627	0.99129	-6.75289	4.679091	4.817982	4.781616	5.272812	5.248674	5.313181	4.8959	4.981823	4.934903	2.338465	2.727926	2.382761	4.726277	4.837324	4.688381	2.317694	2.233409	2.200755
INTS8	ENSG0000	0.055776	5.564656	0.722403	0.479602	0.598631	-7.06551	4.917414	5.018804	4.998554	5.380038	5.334513	5.397916	4.986526	4.922558	4.849226	6.073423	6.09553	6.091924	5.995707	6.056601	6.064381	6.224008	6.157931	6.198027
VIRMA	ENSG0000	-0.26966	6.869281	-6.49957	4.76E-06	7.20E-05	3.789195	6.37001	6.320848	6.339387	6.396431	6.278786	6.430558	6.040078	6.070587	6.015365	7.629423	7.692864	7.611028	7.463768	7.529875	7.522842	7.387455	7.346975	7.451986
GEM	ENSG0000	-0.05563	3.012323	-0.29124	0.774297	0.841889	-6.55554	4.559062	4.548709	4.553323	4.072648	4.061165	4.170914	4.606901	4.690335	4.694053	2.736149	2.841532	2.627101	1.597456	1.357245	1.129895	2.384669	2.295039	2.06284
PDP1	ENSG0000	-0.60691	5.174582	-8.21542	2.08E-07	6.25E-06	7.12476	4.387594	4.366251	4.301326	3.290819	3.709312	3.744443	3.423261	3.698786	3.389938	6.959124	6.837144	6.926915	6.72654	6.685371	6.68467	6.366472	6.333415	6.470408
TMEM67	ENSG0000	-0.05293	4.562879	-0.54204	0.594632	0.698388	-6.99941	4.029438	3.968357	4.102541	4.052041	4.13	4.130213	4.154215	4.307901	4.05282	4.968993	5.077414	4.959141	5.609219	5.558335	5.572511	4.743057	4.936897	4.973643
WASHC5	ENSG0000	0.172207	6.1932	2.597747	0.01848	0.047238	-4.36876	6.023964	5.994648	5.999931	6.888543	6.754132	6.781444	6.402418	6.425243	6.401828	5.850748	5.960931	5.834045	6.366407	6.351779	6.309903	5.827964	5.833837	5.845233
RPP25L	ENSG0000	-0.24172	4.465643	-4.07691	0.000746	0.003694	-0.98303	4.615318	4.495815	4.43574	4.43289	4.478119	4.358792	4.283766	4.157125	4.305329	4.703453	4.682721	4.855034	4.8288	4.615839	4.677975	4.434767	4.609106	4.607598
FAM219A	ENSG0000	0.104522	4.041867	1.29681	0.211556	0.319025	-6.03059	5.149863	5.10962	4.998554	4.759555	5.008661	4.965334	5.233498	5.058905	5.220718	3.246125	3.313538	3.035461	3.24403	3.223865	3.206318	3.43152	3.277464	3.202807
SNAPC3	ENSG0000	0.655117	4.917031	7.67548	5.33E-07	1.31E-05	6.291601	5.060589	4.965333	4.946277	5.380038	5.138434	5.268872	5.701383	5.862728	5.612649	4.382206	4.107636	4.289577	4.8288	4.718494	4.772296	4.664377	4.864208	4.865793
MYORG	ENSG0000	-0.35452	3.584216	-1.59741	0.128095	0.216564	-5.71371	3.541402	3.516026	3.745844	2.999448	3.053471	3.168853	1.459147	1.605065	1.826075	4.438829	4.588222	4.554757	5.119672	5.060335	5.143946	4.616418	4.656838	4.627304
NUDT2	ENSG0000	-0.22635	3.743523	-2.94345	0.008889	0.026471	-3.233	3.783815	3.804029	3.987862	3.827958	3.808643	3.878271	3.457463	3.798055	3.586306	3.851231	3.901847	4.132188	4.002038	4.132949	4.01878	3.830273	3.620134	3.906054
TMEM65	ENSG0000	0.941836	5.273128	10.32531	7.32E-09	5.14E-07	10.57147	3.87042	4.087546	4.138828	5.218368	5.190008	5.211499	5.08826	5.122533	5.102264	5.349028	5.485444	5.396673	5.797326	5.924779	5.958022	6.226292	6.284874	6.243427
PSIP1	ENSG0000	-0.21303	5.807678	-2.07072	0.053488	0.109333	-5.33938	5.98179	6.002253	5.99598	5.860706	5.842105	5.855404	5.559008	5.761822	5.588176	6.123444	6.069855	6.130093	5.297059	5.4665	5.475705	6.067194	5.93732	6.006286
CCDC171	ENSG0000	-0.32219	2.468866	-2.38125	0.028862	0.067158	-4.29298	2.245129	2.448351	2.049454	0.934951	1.666451	1.367251	1.459147	1.231675	2.005764	4.276236	4.002991	4.04234	3.675081	3.858903	3.773698	3.912008	4.041704	3.744016
UBAP1	ENSG0000	0.11685	6.673447	2.632373	0.017191	0.044616	-4.40172	5.975942	6.006041	6.03501	6.225234	6.11379	6.265599	6.29303	6.269636	6.247406	7.1993	7.124594	7.138312	7.293104	7.356522	7.342976	7.158429	7.21834	7.138467
SYK	ENSG0000	-0.50003	1.795691	-3.99821	0.000887	0.004242	-1.12519	0.742531	0.316291	0.756332	0.52061	0.512209	0.657796	0.106501	0.387194	0.106501	5.69674	5.726347	5.701568	5.479457	5.375169	5.51521	5.273642	5.25383	5.359675
ABCA1	ENSG0000	0.077807	3.927505	0.795884	0.436776	0.557888	-6.72581	3.465529	3.405656	3.39613	2.97776	3.531716	3.377995	3.33403	3.415864	3.181386	4.346223	4.732663	4.503642	4.959705	5.032138	4.96721	4.787047	4.613145	4.587619
NFIL3	ENSG0000	0.481445	5.193655	2.820544	0.011558	0.032617	-3.77627	4.450796	4.724521	4.531653	6.044055	5.634408	5.882614	5.539183	5.396449	5.424038	5.004057	5.113047	5.285361	5.160571	5.15751	5.095248	5.306398	5.282007	5.207621
LETM2	ENSG0000	0.131153	1.790457	0.684663	0.502535	0.618892	-6.38744	1.642349	1.327092	1.78216	1.326771	1.556428	1.623325	1.588238	1.301009	1.564539	3.340597	3.195032	3.400153	1.897591	2.307842	1.900186	3.724364	3.347011	3.387478
METTL2B	ENSG0000	-0.02634	5.220142	-0.43928	0.665841	0.759793	-7.14735	5.291568	5.343146	5.356903	5.199754	5.114368	5.171943	5.414148	5.5324	5.33439	5.309864	5.193714	5.271048	5.240955	5.268024	5.212843	5.080106	5.217154	5.123395
FXN	ENSG0000	-0.35825	3.898905	-3.23666	0.004715	0.01608	-2.57898	5.135946	5.073976	5.137743	4.640378	4.529983	4.434292	4.56045	4.459641	4.633836	3.358771	3.175905	3.400153	3.236398	3.243672	3.186878	3.123735	3.529023	3.31642
ALDH1A1	ENSG0000	0.244731	2.939055	0.682416	0.503921	0.619966	-5.77529	9.078774	9.080128	9.011934	9.339867	9.330713	9.278413	9.303772	9.349745	9.355686	0.190076	0.398185	0.230035	0.171976	0.416769	0.186984	0.106501	0.106501	0.214669

KDM1B	ENSG0000	0.006847	4.291259	0.098236	0.922863	0.949255	-7.15519	3.593253	3.741788	3.783005	3.181227	3.410458	3.419122	3.774765	3.711575	3.586306	5.107097	5.092794	5.254774	5.248563	5.185942	5.171406	5.064871	5.235609	5.236778
HGSNAT	ENSG0000	0.659199	6.330949	8.698535	9.21E-08	3.45E-06	7.963691	6.469086	6.352432	6.427097	7.836005	7.810463	7.855884	7.333456	7.248608	7.277066	4.960093	5.157605	5.045767	6.130482	6.114225	6.119251	5.363548	5.365774	5.502565
RASEF	ENSG0000	-0.53427	3.239806	-5.78985	1.95E-05	0.000213	2.571427	2.080492	1.708084	1.78216	1.256461	0.92021	1.188496	0.983587	0.726566	0.515351	6.626504	6.632255	6.653155	5.724181	5.799899	5.786202	6.138057	6.196124	6.248207
GKAP1	ENSG0000	-0.62764	1.789557	-4.2091	0.000559	0.002942	-0.13242	3.443098	3.286138	3.489013	2.740812	2.85862	2.885561	2.884002	2.702788	2.697131	1.646779	1.435603	1.538714	1.446877	1.652223	1.695314	1.387593	1.289746	1.170016
KIF27	ENSG0000	-0.31762	2.228194	-2.16892	0.04415	0.094095	-4.35913	2.744313	2.596389	2.739267	2.393052	2.398361	2.22781	2.340763	2.147141	2.408535	2.543041	2.674414	2.396013	2.892375	3.04352	2.76998	2.539649	2.254246	2.252429
C9orf64	ENSG0000	-0.34199	5.089749	-6.93695	2.06E-06	3.84E-05	4.84243	5.525735	5.587707	5.429007	4.667726	4.70778	4.55606	5.043928	5.098392	5.097318	5.497899	5.448064	5.567446	4.74791	4.872735	4.829829	5.295562	5.222451	5.217405
HNRNPK	ENSG0000	0.104993	9.497884	1.297261	0.211404	0.318864	-6.82517	9.161822	9.211211	9.167569	9.691295	9.626012	9.633995	9.306707	9.326811	9.333772	9.664855	9.619817	9.618722	9.484089	9.533398	9.50734	9.675961	9.687342	9.74864
AL353743.	ENSG0000	-0.06566	1.111231	-0.34618	0.733341	0.811828	-6.08942	2.649532	2.513665	2.621113	2.021307	2.549605	2.455733	2.752438	2.596487	2.723053	1.199504	1.228418	0.993481	1.088368	1.032323	0.862212	0.738851	1.206659	0.872651
SVEP1	ENSG0000	0.037317	3.204284	0.205788	0.839334	0.891073	-6.55157	4.219602	4.360345	4.44736	5.299283	5.114368	5.445139	4.164604	4.389749	4.151567	2.056133	1.899254	2.021603	2.270712	2.363215	2.382676	2.300453	2.124453	2.59029
ANKS6	ENSG0000	-0.12964	6.055718	-1.98566	0.062987	0.124394	-5.51383	6.027737	6.110011	6.140783	5.845818	5.95482	5.942611	5.781194	6.004573	5.934468	6.114112	6.187935	6.089887	6.411158	6.374416	6.336612	6.04666	6.057777	6.045263
FBP1	ENSG0000	0.121008	1.836341	1.321967	0.203221	0.308876	-6.02147	0.41387	0.661886	0.756332	1.182548	0.730585	0.909432	0.670238	0.622068	0.925731	4.327889	4.374156	4.282459	4.34138	4.472117	4.381435	4.454386	4.473517	4.299055
PGAP4	ENSG0000	-0.12725	-0.43565	-0.5539	0.586662	0.692021	-5.79956	4.117062	4.12982	3.863273	4.797189	4.813207	4.761901	3.988671	3.724251	3.924645	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZHX1	ENSG0000	0.125963	6.139779	1.881425	0.076678	0.145391	-5.72617	5.549554	5.512479	5.47515	5.667647	5.473441	5.611097	5.970727	5.929932	5.953754	6.73484	6.72153	6.683193	6.549236	6.626238	6.539908	6.640993	6.635939	6.641266
DYNLT3	ENSG0000	0.629979	5.333118	9.869366	1.45E-08	8.69E-07	9.908521	5.217507	5.211553	5.197454	6.092789	5.965622	6.004722	5.919505	5.965067	5.923331	4.73162	4.699561	4.740231	5.079714	5.180814	5.110805	5.182472	5.279468	5.187851
METTL27	ENSG0000	-0.64394	1.577309	-2.77024	0.01286	0.035581	-3.03959	3.408783	3.382531	3.489013	2.577385	2.155834	2.258349	2.340763	2.650616	2.846105	1.315703	1.265082	1.46518	1.473091	1.428204	1.488568	1.387593	1.2488	1.222783
MID1IP1	ENSG0000	0.024839	5.838236	0.288735	0.776181	0.843003	-7.25335	6.365544	6.484546	6.604939	6.622897	6.766539	6.687786	6.526418	6.429119	6.502546	5.1779	5.19846	5.318796	5.100883	5.009177	4.989822	5.477239	5.19577	5.154286
SHOC1	ENSG0000	-1.58223	0.709614	-5.98857	1.31E-05	0.000157	3.405226	1.18244	1.420874	0.898566	0.52061	0.25478	0.3528	0.106501	0.253663	0.515351	3.394446	3.463043	3.276636	3.629193	3.520297	3.707028	2.115663	2.254246	2.174206
KIAA1958	ENSG0000	-0.2514	3.555139	-3.48804	0.002721	0.0104	-2.14043	2.867343	3.07157	3.013906	3.142765	3.053471	3.27721	2.724622	2.871824	3.064594	4.561593	4.616873	4.405499	4.386902	4.279275	4.406863	4.245042	4.258317	4.197255
PTCHD1	ENSG0000	0.723581	-1.73193	2.538094	0.020919	0.052115	-3.21422	1.286899	1.508929	1.358564	2.714828	2.71237	2.741673	2.058296	1.945386	1.918715	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PCDH19	ENSG0000	-0.90849	0.674212	-3.09639	0.006393	0.020435	-2.46602	0.41387	0.661886	0.323815	0.742604	0.512209	0.746642	0.983587	0.387194	0.833554	2.763691	2.687979	2.422156	3.894617	3.793216	4.051393	1.571317	1.67689	1.703111
PIGA	ENSG0000	0.155758	4.283608	1.546553	0.139886	0.23162	-5.91187	4.186225	4.087546	4.188143	4.367681	4.13	4.170914	4.034706	4.019913	3.90213	4.573314	4.609763	4.557708	4.287006	4.321825	4.338034	4.847651	4.884398	4.969789
VEGFD	ENSG0000	-0.28424	-1.08579	-0.65987	0.517938	0.632729	-5.6099	1.959273	1.551021	2.079636	1.519216	1.498102	1.526279	1.70672	1.901414	1.620777	0.34397	0.259702	0.16959	0.106501	0.26996	0.263213	0.106501	0.2791	0.214669
STRBP	ENSG0000	-0.06178	5.618008	-1.10282	0.285058	0.402746	-6.724	5.291568	5.355074	5.254791	5.097883	5.1432	5.234723	5.277239	5.174263	5.202407	6.089837	6.00495	5.973166	6.228951	6.258721	6.155956	5.94631	5.959694	6.039759
CLDN3	ENSG0000	0.471888	3.003851	2.781572	0.012555	0.03494	-3.87004	0.814199	1.327092	1.406977	0.841981	0.512209	0.984419	0.886508	0.509405	0.735084	5.335326	5.723056	5.943013	7.288498	7.29852	7.248271	6.463577	6.344388	5.742817
GAPVD1	ENSG0000	0.026214	6.71798	0.344318	0.734715	0.812907	-7.39812	6.713584	6.734449	6.697862	6.679412	6.625516	6.762926	6.880069	6.821569	6.893457	6.696948	6.634008	6.54801	6.977775	6.921961	6.94258	6.557281	6.523497	6.567956
CARD19	ENSG0000	-0.1742	5.255683	-2.38157	0.028843	0.067141	-4.69602	5.531062	5.435922	5.533555	4.863733	5.019069	4.849758	5.120637	4.976535	5.067277	5.565966	5.43203	5.564514	5.194447	5.243641	5.29458	5.60386	5.589281	5.420236
WNK2	ENSG0000	-0.16585	3.53566	-1.08171	0.294082	0.412712	-6.23014	4.252223	4.495815	4.58523	3.921807	4.051057	3.9455	4.057185	3.956862	4.33084	3.113269	3.70241	3.501717	2.717023	2.770668	2.294605	3.552967	3.603991	3.267027
ATP7A	ENSG0000	0.162072	4.26775	1.24154	0.23081	0.341661	-6.20435	3.983545	3.8803	3.755225	5.097883	4.911451	5.118843	4.599263	4.428995	4.505294	4.071084	4.274276	4.083875	4.549709	4.627193	4.635585	3.889124	3.896833	3.930053
ZNF367	ENSG0000	-0.3426	3.985408	-1.98168	0.063468	0.125049	-5.25166	4.473109	4.517206	4.458888	3.255206	3.34578	3.432575	3.953155	4.109604	4.122646	5.255126	5.14044	5.320535	2.399306	2.433888	2.743612	4.914336	4.981317	4.96205
NLGN4Y	ENSG0000	0.207584	2.64088	1.338536	0.197874	0.30233	-5.50089	4.165822	4.094678	4.242513	5.499001	5.274966	5.435149	4.393833	4.282412	4.436456	1.028404	1.435603	1.219002	1.916818	1.560439	1.826726	1.177011	1.645686	1.115245
HDX	ENSG0000	-0.13077	2.232997	-0.94088	0.359587	0.481535	-6.09337	2.416107	2.283367	2.37563	2.548252	1.953662	2.581827	1.816207	2.357042	2.005764	2.955028	2.646894	2.497858	2.995443	3.04352	3.032078	2.794876	2.500854	2.724423
NDUFB6	ENSG0000	-0.08754	4.843196	-1.07545	0.296795	0.415781	-6.54695	5.32262	5.221361	5.033667	5.333837	5.176125	5.175948	5.109925	5.447033	5.383978	4.619268	4.722812	4.687318	4.571104	4.557684	4.602954	4.349322	4.40994	4.4056
NOL6	ENSG0000	-0.00935	7.177397	-0.20293	0.841531	0.892873	-7.50046	6.797761	6.790427	6.853351	6.6693	6.840289	6.768241	6.734246	6.670928	6.587899	7.579929	7.558085	7.597111	7.722606	7.566216	7.632889	7.719636	7.645959	7.651621
AQP3	ENSG0000	-0.2591	3.295237	-2.92924	0.009164	0.027125	-3.25837	3.397161	3.335139	3.359697	2.661411	2.737798	2.904994	2.832807	2.981485	2.643847	4.242376	4.029873	4.213027	3.611602	3.393046	3.629946	4.072963	4.128907	3.930053
TRMT10B	ENSG0000	0.454985	3.7714	6.85634	2.40E-06	4.33E-05	4.876455	3.662849	3.382531	3.443319	3.325575	3.441741	3.472196	3.941119	4.030158	4.011347	4.03198	4.035189	3.848714	4.002038	4.13825	4.013272	4.340914	4.353122	4.359215
VCP	ENSG0000	0.077762	8.954222	2.995725	0.007945	0.024158	-3.80915	9.235461	9.282432	9.239512	9.240351	9.270734	9.261788	9.342893	9.324472	9.320302	8.593238	8.570989	8.604199	8.674961	8.619381	8.646866	8.71147	8.622676	8.669895
PIGO	ENSG0000	-0.01661	5.920373	-0.30755	0.762057	0.83319	-7.30516	6.241047	6.079778	6.149702	6.05186	6.108926	6.089965	6.344198	6.143184	6.291384	5.874627	5.832457	5.840118	5.72145	5.491566	5.58556	5.700678	5.761087	5.706224
STOML2	ENSG0000	-0.45216	7.414357	-4.28861	0.000469	0.002563	-0.93399	7.626907	7.667999	7.643775	6.398473	6.584058	6.401779	6.88636	6.865145	6.881997	8.051139	7.985666	8.06207	7.707505	7.711534	7.649405	7.875114	7.822017	7.807117
BRWD3	ENSG0000	-0.25343	5.502133	-1.85112	0.081126	0.152098	-5.64044	5.618738	5.745568	5.703085	5.380038	5.185395	5.538302	5.431459	5.506949	5.359397	5.411303	5.595705	5.351474	6.082337	6.046769	5.997611	5.246891	5.190374	5.243178
SLITRK5	ENSG0000	0.866128	2.35671	5.636862	2.67E-05	0.000269	2.728763	3.17016	2.870177	3.090013	3.77864	4.091068	4.018682	3.988671	4.119235	3.856018	1.423238	1.588084	1.696985	1.689764	1.681564	1.876113	1.85727	1.878239	1.877799
MELK	ENSG0000	-0.00737	4.396056	-0.03294	0.974095	0.982859	-7.16508	4.605251	4.691972	4.492928	4.40878	3.978251	4.162865	4.583863	4.651042	4.505294	5.33303	5.231258	5.375087	3.108457	2.925848	2.703134	5.302073	5.222451	5.362617
ARMC3	ENSG0000	-0.50555	-0.60317	-1.04394	0.310736	0.430442	-5.63734	1.12723	0.8079	0.756332	0.106501	0.389229	0.106501	0.106501	0.106501	0.39151	1.490718	1.467416	1.387696	1.973006	2.084417	2.257813	1.250674	1.613793	1.775544
OTUD1	ENSG0000	-0.44507	1.759847	-3.47057	0.002828	0.010745	-1.65846	3.373632	3.472886	3.28395	2.887595	2.835252	3.03415	2.752438	3.063581	3.162566	1.555182	1.699433	1.653508	1.186687	1.282615	1.002253	1.320757	1.2488	1.416439
ARHGAP12	ENSG0000	0.108632	5.931368	0.890673	0.385201	0.507063	-6.90413	5.660656	5.734195	5.767078	7.058302	6.909054	7.071012	6.025902	6.060626	5.926124	5.571821	5.425972	5.634668	5.961398	5.921708	6.064381	5.452087	5.394214	5.588012
HECTD2	ENSG0000	0.251301	3.530479	1.404344	0.177738	0.278832	-5.71272	4.522086	4.490417	4.400306	5.350809	5.162106	5.234723	4.845133	4.825892	4.929347	2.722179	2.829342	2.592986	2.314863	2.250257	2.559363	2.597261	2.447571	2.549558
FBXO33	ENSG0000	0.230647	3.907265	2.367345	0.029688	0.0686	-4.42836	3.249862	3.182839	3.176339	4.009923	4.091068	3.97338	3.879385	3.999201	3.681923	4.261822	4.228596	4.190389	4.607058	4.467913	4.500385	4.262954	4.184245	4.197255
INTS6L	ENSG0000	0.202175	2.877963	1.524279	0.145329	0.238505	-5.60155	2.526909	2.448351	2.399755	3.041869	2.762786	3.119801	2.832807	2.676938	2.869505	3.552807	3.612795	3.203153	3.197622	3.320292	3.234995	3.743628	3.337278	3.477085
SPTSSA	ENSG0000	0.339464	6.582713	2.299295	0.034061	0.076628	-4.99991	6.372979	6.279197	6.35026	7.281613	7.224465	7.306593	6.983449	7.019677	7.041151	6.431012	6.387151	6.393892	6.117038	6.212983	6.179507	6.310517	6.490947	6.396253
WRN	ENSG0000	-0.42103	4.731398	-6.17444	9.01E-06	0.000119	3.423001	5.190829	5.234335	5.211151	4.727426	4.739596	4.72957	4.512454	4.61746	4.497806	4.911672	4.976009	4.902234	4.524863	4.645922	4.588211	4.681127	4.729324	4.749225
MARCHF8	ENSG0000	-0.42864	3.638679	-4.44511	0.000334	0.001953	0.113976	4.901049	5.055819	5.018167	5.015132	4.911451	4.889321	4.56045	4.389749	4.355908	2.868884	2.646894	2.806521	2.842976	2.824271	2.95373	2.611312	2.711397	2.778299
CFL2	ENSG0000	-0.11574	6.034762	-1.71816	0.10343	0.183456	-5.96125	5.667929	5.71581	5.656289	5.860706	5.620805	5.596232	5.83422	5.798247	5.842866	6.533567	6.44222	6.478858	6.48467	6.438123	6.464215	6.196311	6.137047	6.275002
SUGT1	ENSG0000	0.007613	5.86787	0.201592	0.842563	0.893502	-7.34711	5.761547	5.79457	5.717553	5.70112	5.657909	5.705548	5.781194	5.876989	5.770134	6.157584	6.00495	6.025264	6.015908	5.993658	6.011491	6.072282	6.01263	6.019396
GTF2A1	ENSG0000	0.205528	5.59913	2.856148	0.010714	0.030698	-3.81909	5.636146	5.404699	5.511583	5.250376	5.084948	5.408166	5.879071	6.007169	5.953754	5.89345	5.9083	5.726697	5.2599	5.404061	5.422676	5.857736	5.87478	5.859884
ZCCHC24	ENSG0000	1.216391	3.322945	6.174653	9.00E-06	0.000119	3.673169	2.245129	2.332462	2.641489	4.122913	4.120365	4.10523	3.853933	3.89093	3.844255	3.013555	3.136872	3.225594	3.360948	3.495729	3.421201	3.877544	4.005291	3.945834
PGM2L1	ENSG0000	-1.35444	6.567308	-16.6751	3.58E-12	1.82E-09	18.20192	7.53908	7.584333	7.591058	7.544827	7.29789	7.517756	6.344198	6.241253	6.245172	6.494033	6.499118	6.347752	6.683689	6.649626	6.754835	4.969919	5.077988	5.167806
SLC16A9	ENSG0000	-0.59977	3.602286	-2.70711	0.014695	0.039417	-3.77962	3.562366	3.417081	3.638424	2.605941	2.57804	2.697781	1.966276	2.389238	1.564539	4.581075	4.748933	4.48516	5.506677	5.646534	5.591116	4.267397	4.318914	4.335451
INPPL1	ENSG0000	0.285644	6.945053	5.035286	9.38E-05	0.00072	0.76694	6.527556	6.498057	6.518068	7.395385	7.547464	7.397718	6.983449	6.91299	6.972573	6.698733	6.754138	6.63371	7.297695	7.275854	7.300081	6.770288	6.868259	6.881744
GJB2	ENSG0000	1.158074	0.691456	4.094094	0.000719	0.003578	-0.37274	0.882475	0.875715	1.54317	0.742604	1.087782	1.055701	0.886508	1.301009	0.629397	1.555182	1.467416	1.46518	1.667235	1.710321	1.51998	3.011667	2.726388	2.59029
CRYL1	ENSG0000	0.301442	3.919405	3.040049	0.007221	0.022402	-3.05618	4.081197	4.12982	4.255791	3.921807	4.177232	3.982555	4.215456	4.365678	4.497806	3.488234	3.626949	3.652879	4.011012	3.981932	4.083285	3.877544	4.065478	3.881648
REEP3	ENSG0000	-0.02092	6.205235	-0.43334	0.670067	0.762769	-7.25935	6.806574	6.685688	6.748056	7.019026	6.932643	6.956945	6.711398	6.747438	6.741637	5.72153	5.58849	5.579111	5.577856	5.760913	5.721809	5.62479	5.534971	5.63013
SKA3	ENSG0000	-0.0232	3.391873	-0.12033	0.905597	0.93759	-6.94105	3.86199	3.804029	3.83701	2.999448	2.926537	3.069023	3.953155	4.109604	4.151567	4.553726	4.314187	4.503642	1.878105	1.871771	1.749324	4.302461	4.156841	4.170642
MICU2	ENSG0000	0.041004	5.541391	0.907946	0.376256	0.498791	-6.8978	5.263039	5.281977	5.241504	5.342348	5.4273	5.391041	5.208612	5.323347	5.375831	5.764766	5.889343	5.810733	5.732343	5.868482	5.833849	5.92115	5.784554	5.864042
DDIAS	ENSG0000	0.370778	4.00057	2.585633	0.018952	0.048203	-4.16658	3.819083	3.657602	3.648527	3.162124	3.012388	3.335661	4.348988	4.212157	4.279358	5.21079	5.064472	5.043664	2.995443	3.152313	2.99902	5.400428	5.324498	5.290293
PCF11	ENSG0000	-0.13065	5.931012	-2.35911	0.030188	0.069472	-4.83263	5.801771	5.81846	5.81496	5.904469	5.893919	5.842864	5.69064	5.854103	5.800886	6.296058	6.2759	6.20353	5.957922	5.940035	5.953715	6.031066	6.060737	6.056209
PKNOX2	ENSG0000	-0.29342	-1.33674	-0.92463	0.36775	0.489565	-5.80045	0.106501	0.106501	0.106501	0.106501	0.106501	0.3528	0.106501	0.106501	0.106501	2.494552	2.267764	2.396013	1.018891	1.393161	1.209118	2.192442	1.878239	1.973284
LRR1	ENSG0000	0.049401	3.934375	0.511742	0.615236	0.716443	-6.92009	4.232739	4.12286	4.087767	3.619685	3.362223	3.216292	4.348988	4.273815	4.372382	4.604112	4.487097	4.771071	3.251622	3.109775	3.096004	4.647431	4.580516	4.488745
RPL36AL	ENSG0000	0.05559	7.228208	1.837041	0.083269	0.154974	-5.89164	7.226645	7.193119	7.163592	7.111553	7.168297	7.089176	7.297325	7.19725	7.279252	7.33458	7.294945	7.266945	7.192173	7.213189	7.215669	7.317402	7.321902	7.403525
DNAAF2	ENSG0000	-0.04714	4.82243	-0.78988	0.440183	0.561131	-6.91439	4.226185	4.389636	4.208773	4.072648	3.956756	4.113606	4.274204	4.221128	4.279358	5.556156	5.531317	5.586355	5.588386	5.677811	5.656176	5.533662	5.597458	5.374327
DEPP1	ENSG0000	-1.4856	1.492748	-3.15542	0.005625	0.0185	-2.34115	3.999005	3.7953	3.871922	1.256461	1.373859	1.526279	1.317361	1.001115	1.244857	1.840286	2.053933	2.07201	1.667235	1.495836	1.639204	1.992244	2.190809	2.003758
ZNF22	ENSG0000	-0.36791	2.715416	-4.35494	0.000406	0.002283	-0.20132	1.959273	1.780637	1.667608	1.978268	2.193078	1.919272	1.240874	1.430416	1.50602	4.472601	4.45968	4.530928	4.290695	4.210485	4.338034	4.208537	4.178806	4.129778
KLHDC2	ENSG0000	-0.03973	4.646319	-0.26048	0.797538	0.859644	-7.14198	4.073915	4.256058	4.174224	4.092964	3.784444	3.926609	4.31208	4.349405	4.542164	5.101711	5.040879	5.047868	5.707717	5.774593	5.808633	4.796302	5.018332	4.969789
NEMF	ENSG0000	-0.06437	5.883692	-1.46233	0.161399	0.258933	-6.30359	5.770583	5.745568	5.783216	5.797117	5.839171	5.875244	5.764215	5.871301	5.770134	6.028718	6.130724	6.152715	5.955599	6.026902	5.946508	5.940756	5.969178	5.991156
RPUSD4	ENSG0000	0.091986	5.335418	2.328481	0.032117	0.073085	-4.81916	5.230664	5.130591	5.251481	4.910272	4.894593	4.969954	5.396627	5.38452	5.269907	5.725037	5.643484	5.673276	5.380791	5.313248	5.343684	5.783672	5.726088	5.678157
ARF6	ENSG0000	0.233032	7.087482	5.267683	5.74E-05	0.000489	1.218842	6.380377	6.356888	6.493057	6.390287	6.391222	6.394924	6.460489	6.520981	6.48939	7.589098	7.656671	7.711171	7.647626	7.660871	7.699566	8.037734	7.956435	7.955777
TTC8	ENSG0000	-0.32087	4.834929	-4.80639	0.000153	0.001058	0.573456	5.370952	5.349122	5.277754	5.087795	5.075006	5.155812	4.99237	5.013152	4.940438	4.61171	4.706242	4.681918	4.843945	4.824228	4.823548	4.340914	4.419196	4.461559
TMEM63C	ENSG0000	-0.72919	0.062119	-3.19007	0.005218	0.017465	-2.46822	0.106501	0.215206	0.106501	0.635873	0.25478	0.3528	0.106501	0.106501	0.106501	4.03198	4.157244	3.946523	3.296351	3.292034	3.272365	3.374993	3.287607	3.328509
AKR1E2	ENSG0000	-0.40481	0.502529	-2.55424	0.02023	0.0508	-3.48887	0.882475	0.661886	0.829201	0.841981	0.730585	0.563119	0.670238	0.915275	0.629397	2.558849	2.437987	2.136592	1.667235	2.06228	1.775589	2.095813	1.795362	2.033602
KBTBD6	ENSG0000	0.714235	5.540813	3.873266	0.001167	0.005291	-1.52627	5.650902	5.738755	5.610509	6.97318	6.777308	6.99711	6.843356	6.799278	6.76522	4.703453	4.692848	4.72456	4.63635	4.689902	4.591911	4.723786	4.683969	4.832225
SSX5	ENSG0000	-0.32966	-0.33768	-2.79068	0.012315	0.034406	-3.41728	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.082065	4.082178	4.324649	3.318207	2.888589	3.244428	3.859998	3.842828	3.707454
FAAH2	ENSG0000	-0.31949	1.691837	-2.62517	0.017452	0.045177	-3.53492	1.384302	1.420874	1.453818	1.688986	1.373859	1.575618	0.983587	1.15884	0.833554	2.856146	3.166245	2.855308	3.436163	3.243672	3.608189	2.706012	2.881762	2.742606
NUDT5	ENSG0000	-0.01947	6.358461	-0.4604	0.650906	0.747468	-7.2924	6.689964	6.758225	6.71599	6.72406	6.755688	6.850722	6.688182	6.722383	6.686711	6.038616	6.034453	6.131084	5.954437	5.932427	5.953715	6.08995	6.018732	6.043431
BEND7	ENSG0000	0.208726	-0.74793	0.933447	0.363306	0.485147	-5.50997	3.128595	3.298545	3.597291	4.112999	4.158524	4.053927	3.490873	3.619579	3.421943	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ATP5F1C	ENSG0000	-0.03599	7.072803	-0.49498	0.62678	0.726382	-7.35636	7.490686	7.544519	7.42173	7.379966	7.273104	7.240251	7.590075	7.583788	7.450976	6.725241	6.704946	6.739507	6.761524	6.929624	6.884182	6.632407	6.552177	6.611893
PRPF18	ENSG0000	0.207755	2.512375	2.147353	0.046063	0.09724	-4.43264	2.707144	2.950996	2.848472	3.103249	3.073582	2.805104	2.957542	3.002451	3.00245	2.392392	2.303453	2.592986	2.626498	2.756951	2.618601	2.568742	2.799093	2.507643
TAF3	ENSG0000	0.198844	4.172786	2.391855	0.028246	0.066006	-4.41824	4.315334	4.360345	4.424025	4.152252	4.400635	4.279122	4.902122	4.61746	4.764393	4.232554	4.002991	4.104202	3.845296	4.039723	3.799527	4.240529	4.035699	4.073428
VDAC2	ENSG0000	-0.21696	7.595978	-4.92768	0.000118	0.000862	0.498167	8.792529	8.864449	8.748964	8.32035	8.32633	8.277655	8.476683	8.489798	8.487279	6.886603	6.803266	6.930903	6.417077	6.377781	6.358497	6.774196	6.796379	6.769838
COMTD1	ENSG0000	0.707525	3.375642	3.892912	0.001118	0.005106	-1.04734	3.100204	3.196163	3.511328	4.619522	4.97698	4.454215	3.647218	3.535768	3.844255	2.356666	2.531245	2.826234	3.60569	3.552417	3.578659	3.711377	3.404065	3.050576
PDZD8	ENSG0000	0.216747	5.76028	3.302764	0.004082	0.014332	-2.79384	6.632887	6.635221	6.644597	6.876873	6.873648	6.946433	6.928119	7.100902	6.896307	4.667452	4.81224	4.808717	4.726277	4.682664	4.735974	4.758922	4.744131	4.844905
ZNF503	ENSG0000	0.471907	2.930654	2.079904	0.052544	0.107806	-4.53088	3.756787	3.777682	3.979882	4.821743	5.07001	4.662649	4.154215	4.413424	4.270596	1.865926	1.945166	2.183199	1.916818	1.681564	1.851631	2.400938	2.254246	2.326628
ABRAXAS2	ENSG0000	-0.03507	5.156118	-0.48376	0.634562	0.733371	-7.09227	5.715497	5.630049	5.625931	5.268353	5.239802	5.380668	5.701383	5.740142	5.822029	4.977839	4.959326	4.92298	4.71259	4.743056	4.788509	4.922811	4.592839	4.840691
QSOX2	ENSG0000	0.11425	6.287836	2.244847	0.037983	0.083495	-5.08849	6.782207	6.770524	6.833562	6.025677	6.145011	6.055601	6.898859	6.973969	6.838194	6.144548	6.126994	6.144887	5.78822	5.618361	5.620394	6.302962	6.202839	6.265602
FAM204A	ENSG0000	-0.03233	5.033882	-0.4496	0.658527	0.753849	-7.08103	5.391599	5.474709	5.37527	5.392386	5.084948	5.230878	5.555064	5.404348	5.552477	4.766072	4.854958	4.838143	4.890883	4.760348	4.832959	4.667743	4.710599	4.656368
NSD1	ENSG0000	0.026153	7.346395	0.582686	0.567547	0.67696	-7.33896	7.807872	7.786701	7.843324	7.496077	7.528466	7.625643	7.823524	7.795295	7.795956	7.153186	7.171219	6.973514	6.68439	6.70515	6.753184	7.230748	7.101024	7.131584
PRDX3	ENSG0000	-0.00098	7.851658	-0.02054	0.983845	0.989891	-7.5262	8.746615	8.782075	8.705471	8.828443	8.771274	8.730199	8.838457	8.927473	8.868462	7.011757	7.009784	7.053046	6.842932	6.902624	6.864433	6.851698	6.90825	6.829536
ENOX2	ENSG0000	0.239549	4.263889	3.671574	0.001819	0.007508	-1.86123	4.252223	4.383825	4.301326	3.944346	3.670226	4.062605	4.376062	4.365678	4.497806	4.373294	4.532919	4.563592	4.028794	4.210485	4.165038	4.805497	4.725598	4.882289
GHITM	ENSG0000	0.033284	7.840342	0.92624	0.366935	0.488801	-7.08751	8.788087	8.802365	8.718717	8.62243	8.615814	8.656158	8.846949	8.881529	8.853138	6.955397	6.977008	7.042551	6.886249	6.840569	6.911827	7.007899	6.955138	6.906148
SNAPC4	ENSG0000	-0.18176	5.723558	-2.61268	0.017913	0.046039	-4.3515	5.313374	5.214829	5.251481	4.720913	4.782991	4.735009	4.825625	4.670823	4.807433	6.549478	6.641	6.683869	6.559212	6.504276	6.577716	6.628094	6.661514	6.489376
PMPCA	ENSG0000	0.048796	7.165547	0.927901	0.366097	0.488049	-7.06694	7.201808	7.284837	7.240746	6.969064	7.133995	7.031774	7.183162	7.147529	7.168059	7.058374	7.099436	7.135352	7.253953	7.249767	7.237092	7.288727	7.228247	7.254681
ENTR1	ENSG0000	0.152289	6.529735	3.1966	0.005144	0.01726	-3.21017	6.106569	6.245949	6.267462	6.578559	6.584058	6.510435	6.456267	6.469207	6.500674	6.626504	6.504877	6.679811	6.769478	6.73432	6.813846	6.706271	6.674133	6.598228
AK8	ENSG0000	-1.21354	0.602287	-3.19699	0.00514	0.017255	-2.09241	1.959273	1.465573	1.54317	1.933905	2.117603	2.164723	0.269385	0.726566	0.256032	1.388276	0.986408	1.387696	2.479079	2.398985	2.257813	1.058946	1.329561	1.115245
SPACA9	ENSG0000	-0.56783	3.713931	-3.28786	0.004217	0.014724	-2.44274	4.381709	4.406929	4.569365	4.122913	4.009905	4.045196	3.705302	3.578282	3.946814	3.737768	3.204502	3.543997	4.076593	4.148793	4.013272	3.113899	3.347011	2.975687
TSC1	ENSG0000	0.187911	5.519492	2.735808	0.013832	0.037647	-4.01548	5.517707	5.430295	5.332045	5.664257	5.651233	5.894815	5.863212	5.882654	5.722741	5.445717	5.421918	5.424422	5.482686	5.415021	5.475705	5.386197	5.424405	5.499895
HPRT1	ENSG0000	0.961455	5.764857	14.74735	2.68E-11	7.33E-09	16.2036	4.896929	4.965333	4.870617	5.691159	5.773069	5.757249	5.958837	5.986272	5.991568	5.610256	5.691415	5.63047	5.999094	5.949112	6.012871	6.54818	6.487651	6.466311
BORCS5	ENSG0000	0.078842	2.971754	0.6298	0.536972	0.649079	-6.45764	2.798329	3.142112	2.99819	3.70135	3.560502	3.678224	3.277716	3.285084	3.199964	3.047564	3.013005	3.085394	3.108457	3.152313	2.883013	2.855159	3.081525	2.896697
DIPK1B	ENSG0000	0.099918	3.322536	0.744794	0.466294	0.58618	-6.44096	3.919992	3.704977	3.717332	4.072648	4.071202	3.982555	3.219115	3.550079	3.721038	2.620402	2.924094	2.966075	3.46257	3.445301	3.290693	3.366734	3.277464	3.162857
ZMYND19	ENSG0000	-0.19821	5.735594	-2.58976	0.01879	0.047885	-4.37462	6.027737	6.059873	6.087938	5.400559	5.589722	5.37022	5.646849	5.730749	5.735532	6.154986	6.056844	6.144887	5.298892	5.152279	5.181264	6.09995	6.079832	5.936917
STOX1	ENSG0000	0.160144	2.696228	1.276384	0.21852	0.327619	-5.69009	3.325391	3.382531	3.334887	4.092964	3.878897	3.964146	3.33403	3.564249	3.498982	1.98771	2.095243	1.858866	2.529911	3.065945	2.730245	2.26534	2.124453	1.942153
DDX21	ENSG0000	-0.14028	8.997051	-2.76632	0.012968	0.035829	-4.28705	9.688111	9.694598	9.691445	9.04856	9.011409	9.027284	9.511853	9.566087	9.543333	8.736948	8.709203	8.743544	8.397618	8.415376	8.408844	8.604244	8.566771	8.637162
BMS1	ENSG0000	-0.19961	7.032723	-5.48165	3.67E-05	0.00035	1.693967	7.357594	7.420158	7.429807	6.854734	6.784952	6.922796	7.131137	7.108174	7.095496	7.15968	7.149934	7.151557	6.678066	6.697091	6.735731	7.036817	7.015884	7.06631
STK32C	ENSG0000	-0.24703	4.225522	-2.03308	0.05752	0.115828	-5.01973	5.440544	5.507143	5.522611	4.502891	4.462952	4.506036	5.228555	5.112925	5.169792	3.730807	3.478738	3.834184	3.53901	3.622174	3.290693	3.617041	3.603991	3.509302
JCAD	ENSG0000	-0.55207	3.269256	-3.60634	0.002099	0.008392	-1.80755	3.249862	3.260998	3.586821	2.955742	3.012388	3.306732	2.446718	2.420731	2.846105	4.327889	4.374156	4.382382	3.24403	3.131201	3.272365	4.01601	3.961615	3.930053
FUNDC2	ENSG0000	0.3248	5.880259	2.836998	0.01116	0.03172	-3.83995	5.638616	5.661609	5.581801	6.633339	6.615263	6.629111	6.328113	6.265306	6.344535	5.56205	5.465891	5.674636	5.769833	5.784769	5.758486	5.503845	5.564469	5.534225
PIP4P1	ENSG0000	0.321164	5.102173	3.836096	0.001267	0.005662	-1.65503	4.339825	4.389636	4.345467	4.759555	4.883243	4.696497	5.066264	4.987092	5.202407	5.554185	5.514285	5.515269	5.471352	5.57015	5.519102	5.629975	5.589281	5.617869
METTL17	ENSG0000	-0.17691	5.748698	-2.06428	0.054159	0.110451	-5.36653	5.864307	5.779158	5.75544	5.036268	4.86605	4.98829	5.672555	5.578506	5.643517	6.21732	6.18435	6.243482	6.005843	6.013985	6.000398	6.073551	6.042884	6.026834
NDRG2	ENSG0000	0.256313	-1.37854	0.900805	0.379937	0.50211	-5.47482	2.051128	2.125186	2.109199	2.766336	2.787348	2.697781	2.186178	2.568641	2.376228	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ARHGEF40	ENSG0000	0.49495	0.560144	1.496921	0.152254	0.247439	-4.92128	2.965042	3.085957	3.334887	5.156973	5.407631	5.215396	3.457463	3.521314	3.69508	0.106501	0.259702	0.288049	0.352262	0.26996	0.593579	0.326864	0.19538	0.214669
NSMF	ENSG0000	0.418118	6.216885	7.312852	1.03E-06	2.18E-05	5.476536	6.32931	6.293215	6.493057	6.964937	7.1718	6.921604	6.751579	6.71922	6.793019	5.286319	5.281337	5.493859	6.155989	6.116912	6.126922	5.833967	5.856159	5.703906
ZNF219	ENSG0000	0.868358	2.179198	2.956886	0.008636	0.025864	-2.66216	3.541402	3.846899	3.947516	5.587578	5.891089	5.59324	4.702691	4.62424	4.694053	0.88529	0.941811	0.726056	0.869014	0.986036	0.910419	0.930351	1.16325	0.734116
CASP7	ENSG0000	0.905197	6.620883	4.927764	0.000118	0.000862	0.67247	7.216761	7.135498	7.15653	8.895402	8.725138	8.80903	8.375224	8.375415	8.39203	5.021274	4.936777	5.020321	5.267409	5.178243	5.257788	5.367692	5.240838	5.243178
BTNL9	ENSG0000	-0.73158	-1.57855	-2.67168	0.015831	0.041858	-2.98392	2.438959	2.308123	2.37563	2.021307	2.398361	2.288255	1.317361	1.809233	1.962896	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CCDC186	ENSG0000	0.236454	4.194215	2.280055	0.035402	0.078971	-4.61147	3.603403	3.417081	3.443319	4.584077	4.789085	4.633822	4.164604	3.978187	4.322386	4.187508	4.278766	4.197974	4.973543	4.956139	4.909079	4.142342	4.128907	4.292899
METTL3	ENSG0000	-0.31146	6.084051	-4.61515	0.000231	0.001451	-0.09172	5.397444	5.355074	5.469462	5.622938	5.593209	5.532066	4.932837	5.083711	4.940438	7.081129	7.000301	7.047808	6.933623	6.779969	6.85907	6.783533	6.765868	6.790741
SALL2	ENSG0000	0.694468	-0.32385	1.732027	0.100879	0.180097	-4.67017	0.106501	0.582935	0.106501	1.104644	1.006428	1.055701	0.415731	0.622068	0.256032	1.073118	1.498542	1.360915	2.178139	2.23054	2.161508	1.681967	1.289746	1.370407
TRUB1	ENSG0000	-0.43431	5.518433	-7.75791	4.60E-07	1.17E-05	6.373807	6.372979	6.426375	6.422689	6.059623	5.93572	5.986596	6.01446	6.154936	6.123935	5.319175	5.191334	5.285361	4.902986	4.859959	4.804542	4.647431	4.740443	4.726565
ZFYVE1	ENSG0000	-0.24408	3.905156	-2.16782	0.044246	0.094228	-4.75106	3.710582	3.526613	3.607684	4.281793	3.832443	4.088331	3.440463	3.446787	3.421943	4.009149	4.051023	4.029643	5.086097	5.131167	5.087406	3.717885	3.842828	3.823043
HSPA12A	ENSG0000	-0.3008	-0.26633	-1.66576	0.113582	0.197215	-4.69492	4.620325	4.691972	4.66702	4.784753	4.537243	4.713128	4.225415	4.373746	4.380548	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
UBTD1	ENSG0000	0.388443	3.543456	3.006745	0.007758	0.023738	-2.97513	3.509372	3.704977	3.576275	4.218476	4.343809	4.170914	4.068294	3.856799	3.890739	2.749986	2.817048	3.085394	4.046359	4.195307	4.139984	3.43152	3.160915	3.176297
E2F7	ENSG0000	-0.45371	4.551515	-2.07144	0.053414	0.109253	-5.17486	5.636146	5.469231	5.695796	4.367681	4.110665	4.194794	5.026946	4.877874	4.758139	5.497899	5.421918	5.45798	2.28558	2.48471	2.513282	5.344748	5.190374	5.246367
ARHGAP42	ENSG0000	-0.12556	3.082591	-0.86024	0.401305	0.522993	-6.43753	1.894617	2.152784	1.921989	2.81607	2.904251	3.152687	2.480375	2.511284	2.959482	3.997596	3.992097	3.804677	4.742532	4.450973	4.602954	3.39137	3.659719	3.650813

ISCA2	ENSG0000	0.210331	4.456916	2.288764	0.034789	0.077958	-4.73785	3.662849	3.494617	3.359697	4.171485	4.360275	4.440963	3.474265	3.592179	3.681923	4.963066	5.135498	5.060406	5.455005	5.564254	5.345877	5.406484	5.282007	5.161062
OTOGL	ENSG0000	0.47646	-0.1732	1.647389	0.117338	0.202409	-4.65513	2.245129	2.232543	2.326135	1.840866	2.117603	2.098749	2.832807	2.753138	2.560038	0.269074	0.259702	0.449284	0.294634	0.190544	0.404558	0.393424	0.19538	0.580851
LARGE2	ENSG0000	0.586456	2.173412	4.060298	0.000774	0.003801	-0.77142	1.561356	1.708084	1.146821	0.934951	1.307481	1.123626	1.240874	1.658879	1.314712	3.275122	3.463043	3.353367	4.323482	4.381153	4.324754	4.057652	3.980496	3.937965
PACSIN3	ENSG0000	-0.33758	5.210885	-2.63483	0.017103	0.044419	-4.17958	5.862195	5.942235	5.957896	4.938614	5.044764	4.923071	5.104539	5.063901	5.102264	5.213289	5.160041	5.229089	5.081845	5.112436	4.958638	5.325701	5.279468	5.227124
TTC7B	ENSG0000	0.484279	2.217983	2.090664	0.051458	0.106077	-4.29853	4.315334	4.429669	4.526184	4.464421	4.1957	4.386706	4.889651	4.583078	4.726452	0.483018	0.695454	0.958181	0.982856	1.282615	1.046067	1.599785	1.329561	1.322858
SLC39A13	ENSG0000	0.003463	4.543093	0.048742	0.961677	0.975489	-7.03363	4.811948	4.724521	4.844488	5.1079	5.3593	5.171943	4.883375	4.651042	4.687485	4.071084	4.002991	4.059098	4.687622	4.804359	4.775553	4.137495	4.123255	4.051715
PSMC3	ENSG0000	-0.20016	6.758591	-3.17343	0.00541	0.017965	-3.28113	7.093455	7.003411	6.990725	6.730558	6.916032	6.906017	6.804024	6.906053	6.945304	6.972464	6.754138	6.938848	6.350588	6.36201	6.322206	6.605459	6.689514	6.614364
TC2N	ENSG0000	0.351554	3.439739	4.052353	0.000788	0.003857	-0.90267	2.218961	2.674627	2.514675	3.20008	3.073582	3.119801	3.027514	2.728183	3.044176	4.14101	4.296585	4.100159	4.352013	4.398927	4.419411	4.353508	4.534411	4.472495
CPSF2	ENSG0000	-0.12557	7.073105	-3.8641	0.001191	0.005382	-1.82927	6.967485	6.920546	6.837983	6.684442	6.714657	6.741468	6.843356	6.805256	6.863179	7.516585	7.50015	7.432035	7.210792	7.252825	7.27958	7.301783	7.31262	7.333273
MOAP1	ENSG0000	0.16188	5.343698	1.113241	0.280682	0.398023	-6.59711	5.362012	5.433112	5.169662	5.845818	5.719831	5.921298	5.93476	6.068104	6.007476	5.026968	5.097884	5.060406	5.343978	5.277664	5.483693	4.654234	4.79123	4.675424
IFI27L1	ENSG0000	0.023677	3.137694	0.259526	0.798262	0.860099	-6.73086	3.223781	3.286138	3.431666	3.325575	3.033076	3.321269	3.219115	3.477062	3.681923	3.420635	3.414909	3.451828	3.013417	3.009215	3.032078	3.470581	3.225651	3.352387
IFI27	ENSG0000	0.648267	3.891347	10.84253	3.48E-09	2.82E-07	11.26074	0.667115	0.8079	0.898566	0.934951	1.006428	0.909432	0.983587	0.726566	0.735084	8.115682	8.035927	8.042717	7.629167	7.725248	7.702135	8.742522	8.698995	8.740583
CLMN	ENSG0000	0.258098	4.396712	1.342511	0.196608	0.300977	-6.25311	4.036946	4.065935	3.906009	3.487804	3.616407	3.405543	3.115825	3.351955	3.437684	4.803043	4.77459	4.681918	6.081272	5.950619	6.044267	5.280253	5.284541	5.344873
PTER	ENSG0000	0.014362	4.590956	0.254733	0.801902	0.862912	-7.06171	4.917414	4.843609	4.870617	4.784753	4.825118	4.879531	5.043928	5.023446	4.99996	4.549776	4.439772	4.431472	4.369563	4.394504	4.27038	4.276243	4.442079	4.38838
CACNB2	ENSG0000	1.218256	-0.81762	2.724867	0.014155	0.038314	-2.91297	2.021155	2.125186	1.987129	4.54774	4.284653	4.447604	3.072345	3.3682	3.406029	0.106501	0.185134	0.106501	0.106501	0.190544	0.106501	0.106501	0.106501	0.106501
HACD1	ENSG0000	0.566867	3.948764	4.766623	0.000167	0.001133	0.722335	4.48962	4.589672	4.363979	5.222985	5.059965	5.139498	5.178171	5.188055	5.141238	2.881509	3.086546	3.305013	3.031169	3.203781	3.186878	3.290193	3.562824	3.202807
ARL5B	ENSG0000	0.484963	5.367701	7.647291	5.60E-07	1.36E-05	6.172884	5.337898	5.08834	5.155563	5.772136	5.700562	5.778475	5.747035	5.9217	5.860491	4.933056	5.035583	5.005268	5.32071	5.412836	5.303633	5.338427	5.331868	5.233567
SMCO4	ENSG0000	-0.17433	3.331696	-2.21603	0.040224	0.087453	-4.63236	2.744313	3.027527	2.94999	3.041869	3.170134	2.865864	3.115825	2.825515	2.846105	4.156676	4.14254	4.213027	3.899458	3.976023	3.910354	3.889124	4.071361	3.848451
CEP295	ENSG0000	-0.26713	4.496542	-3.51374	0.002572	0.00992	-2.26076	4.399293	4.517206	4.424025	3.898911	3.844198	4.279122	4.445869	4.307901	4.270596	5.235589	5.310132	5.180139	4.260913	4.557684	4.519937	4.877024	4.864208	4.95427
TAF1D	ENSG0000	-0.22035	6.078678	-2.71737	0.014381	0.038774	-4.14114	6.460736	6.522063	6.45902	6.080123	5.916364	5.942611	6.081788	6.161941	6.190479	6.074798	6.006304	5.948645	6.03363	6.138233	6.093383	5.85035	5.879817	5.973944
ABTB2	ENSG0000	-0.68141	5.223954	-4.3243	0.000434	0.002409	-0.56297	5.741006	5.765816	5.826129	5.325276	5.399687	5.211499	4.235306	4.373746	4.388669	5.411303	5.438064	5.543827	5.474599	5.331874	5.374084	5.408497	5.289597	5.239981
R3HCC1L	ENSG0000	0.12698	4.053959	1.687203	0.109329	0.19177	-5.52366	4.772011	4.538284	4.691656	4.701197	4.831037	4.809079	4.528631	4.922558	4.84333	3.42926	3.447177	3.445469	3.635009	3.644697	3.707028	3.508614	3.68296	3.55117
AMOTL1	ENSG0000	-0.11551	6.008719	-1.3221	0.203178	0.308876	-6.48666	5.752454	5.708855	5.774017	6.386177	6.3444	6.293514	6.116986	5.824975	5.819027	6.249332	6.159004	6.038	6.192931	6.195291	6.305403	5.74914	5.811165	5.855713
HTRA1	ENSG0000	1.498295	0.587637	5.110262	8.00E-05	0.000637	1.642342	4.965424	5.030008	5.144898	7.003011	7.087775	7.088114	6.504093	6.546187	6.631323	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CEP57	ENSG0000	-0.18516	4.788751	-2.58035	0.019162	0.048597	-4.2385	4.961483	4.893538	4.772407	4.263984	4.240862	4.440963	4.4712	4.504423	4.364168	5.22076	5.179378	5.199163	4.973543	5.046305	5.143946	5.15875	5.126826	5.217405
TCP11L2	ENSG0000	0.304358	2.058121	2.042916	0.05644	0.11409	-4.42717	2.369288	1.849715	2.248556	3.633621	3.426184	3.722706	2.226405	2.184314	2.34318	1.457372	1.699433	1.718241	2.930712	2.925848	2.80865	1.784732	1.878239	2.252429
SPRED1	ENSG0000	0.094018	5.820625	2.502247	0.022527	0.055292	-4.5463	5.853716	5.932317	5.891391	5.684481	5.63102	5.634569	5.991301	5.986272	5.994232	5.934924	5.959533	5.841329	5.722816	5.574066	5.61495	5.964211	5.972326	6.06165
GPR176	ENSG0000	0.42069	2.243405	1.938129	0.068934	0.133533	-4.72121	2.526909	2.425906	2.274882	2.740812	2.299368	2.557474	2.957542	2.702788	2.723053	2.033684	1.752042	2.328504	2.930712	3.120528	3.290693	2.432936	2.500854	2.119598
JAM3	ENSG0000	1.30941	-0.41987	5.011904	9.86E-05	0.00075	1.436818	3.236881	3.260998	3.443319	4.93299	4.900234	4.809079	4.709802	4.511753	4.654189	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GLB1L3	ENSG0000	-0.40192	-0.27452	-1.91233	0.072366	0.138797	-4.62412	0.587539	0.316291	0.679585	0.258133	0.25478	0.106501	0.415731	0.509405	0.256032	2.37464	2.267764	2.104662	1.797417	1.738515	1.876113	1.85727	1.795362	2.174206
ADAMTS15	ENSG0000	0.517449	2.882366	2.384984	0.028644	0.066793	-4.20165	1.642349	1.508929	1.499186	3.487804	3.329147	3.216292	2.412257	2.029503	1.826075	3.576295	3.654848	3.779618	4.199436	4.011117	3.974116	4.226905	3.986735	4.007286
GPT2	ENSG0000	0.440766	6.361365	4.401302	0.000367	0.002109	-0.60479	6.29371	6.183767	6.203801	5.077635	5.305047	5.331249	6.386973	6.497174	6.393781	6.658034	6.598534	6.675063	6.514162	6.470003	6.531263	7.315257	7.222311	7.203088
RAB8B	ENSG0000	0.508596	3.756403	6.260004	7.60E-06	0.000104	3.762015	3.041689	3.07157	2.865896	4.218476	4.071202	4.079806	3.719464	3.773871	3.513908	3.751589	3.854512	3.652879	4.489986	4.553723	4.67449	4.067877	4.059571	4.197255
IKBIP	ENSG0000	0.315404	4.207599	3.804052	0.001359	0.005975	-1.29773	5.87482	5.957964	5.843823	6.213684	6.028789	6.085714	6.182352	6.269636	6.271759	2.543041	2.590228	2.447834	2.542344	2.875953	2.689384	2.611312	2.568968	2.760563
RPUSD2	ENSG0000	-0.30456	4.42754	-4.51263	0.000288	0.001734	-0.02466	5.023273	4.988492	5.041355	4.199863	4.318753	4.202668	4.765467	4.61746	4.613192	4.68196	4.447768	4.604122	4.147483	4.235431	4.024267	4.336692	4.288934	4.4056
HIF1AN	ENSG0000	-0.18002	6.862368	-3.58051	0.002221	0.008783	-2.41925	7.059757	6.969865	6.977762	6.684442	6.672424	6.797129	6.909708	6.843522	6.852943	7.026754	6.972165	6.934881	6.944788	6.871134	6.939679	6.731415	6.7384	6.826343
NDUFB8	ENSG0000	-0.07167	1.586417	-0.43397	0.669623	0.762507	-6.173	2.798329	2.61635	2.469799	2.425456	2.398361	2.455733	2.637802	2.825515	2.846105	1.52331	1.8028	1.46518	1.644349	1.738515	1.390007	1.250674	1.406038	1.322858
ZFYVE19	ENSG0000	-0.24901	5.245071	-2.32865	0.032106	0.073072	-4.81538	5.078891	5.188404	5.141325	4.400654	4.600983	4.194794	4.591583	4.709588	4.73921	5.913568	5.776414	5.834045	5.990046	5.981913	5.870866	5.664076	5.746454	5.749576
SPINT1	ENSG0000	0.037646	6.305937	0.199719	0.844006	0.894504	-7.48341	4.837972	4.729112	4.844488	2.91067	3.132285	2.652511	4.143751	4.050434	4.042563	8.596831	8.568699	8.625802	9.057138	8.981969	8.981304	8.828292	8.812228	8.818186
FBN1	ENSG0000	-0.11568	5.03964	-0.72411	0.478579	0.597563	-6.79153	5.093368	5.31594	5.297149	6.900119	6.716257	7.02513	5.418495	5.192623	5.478316	4.146251	4.506366	4.213027	5.014278	5.032138	4.866948	3.912008	3.772348	3.797179
BRD7	ENSG0000	-0.08365	6.689838	-2.29686	0.034228	0.076936	-5.03317	6.895997	6.900337	6.898496	6.6194	6.654177	6.718313	6.825462	6.866575	6.803687	6.681689	6.654018	6.732995	6.539191	6.576342	6.520626	6.515866	6.595687	6.678341
CKB	ENSG0000	0.128068	7.169194	1.503666	0.150522	0.245324	-6.39306	6.044597	6.07798	6.181361	7.09402	7.151839	6.952282	6.302469	6.112173	6.381626	7.56533	7.599499	7.899736	8.210661	8.155323	8.170476	7.85717	7.838497	7.665387
TRMT61A	ENSG0000	0.006682	6.065478	0.091168	0.928396	0.953088	-7.39853	5.655787	5.694843	5.771708	5.636843	5.745129	5.522662	5.704947	5.567996	5.619566	6.312469	6.328814	6.503555	6.810532	6.665316	6.723134	6.572622	6.469946	6.288989
BTRC	ENSG0000	-0.44126	5.075691	-9.44217	2.79E-08	1.41E-06	9.276058	5.872723	5.920324	5.86564	5.72735	5.644527	5.807161	5.37889	5.396449	5.451432	4.835851	4.68948	4.727183	4.555854	4.557684	4.6463	4.365992	4.372311	4.399883
POLL	ENSG0000	-0.05077	4.531922	-0.81983	0.423351	0.545041	-6.72658	4.749336	4.747329	4.715879	4.827817	4.900234	4.713128	4.730929	4.644388	4.647437	4.252132	4.357275	4.431472	4.734427	4.671739	4.653399	4.37837	4.318914	4.249053
BAG5	ENSG0000	-0.36725	6.399668	-6.87164	2.33E-06	4.22E-05	4.559676	6.285853	6.349454	6.347162	5.781554	5.885412	5.801988	5.620676	5.80423	5.830996	7.067381	7.045131	7.0341	6.696956	6.754308	6.748219	6.839067	6.774008	6.862127
DPCD	ENSG0000	0.132447	4.169644	1.720835	0.102934	0.182786	-5.56071	4.02189	4.043996	4.275483	4.416862	4.447623	4.480358	4.154215	3.868266	4.132351	3.93235	3.975599	4.050743	4.601127	4.693507	4.705559	4.276243	4.145732	4.305185
LARP6	ENSG0000	0.022874	3.898895	0.205136	0.839836	0.891539	-6.85756	4.145127	4.268725	4.087767	4.707799	4.681813	4.78306	3.928981	4.194045	3.935772	3.50465	3.640966	3.543997	4.006532	3.688714	3.6725	3.698273	3.772348	3.725851
API5	ENSG0000	-0.28923	6.898219	-6.42752	5.47E-06	7.97E-05	3.665808	7.632494	7.632297	7.651959	6.990882	6.946341	7.056966	7.239531	7.371549	7.232643	6.755564	6.714091	6.693292	6.287362	6.384488	6.294092	6.464545	6.515967	6.539638
ZNF319	ENSG0000	-0.04982	5.009668	-0.81872	0.423969	0.54564	-6.84256	5.451823	5.24399	5.417238	5.375899	5.383668	5.155812	5.282018	5.306587	5.243285	4.899309	4.842882	4.885889	4.693208	4.693507	4.558265	4.950708	4.843731	4.784756
HPS6	ENSG0000	-0.19525	4.945059	-2.45963	0.024592	0.059266	-4.41217	5.857962	5.811984	5.99598	5.363409	5.565074	5.316813	5.601686	5.462247	5.50844	4.373294	4.340194	4.545867	4.294375	4.264807	4.302347	4.489042	4.469068	4.394143
SENP8	ENSG0000	-0.55811	2.49158	-4.43494	0.000341	0.001989	0.178892	3.114469	2.982098	3.06005	2.605941	2.333126	2.374422	2.058296	2.255906	2.309357	2.943032	2.935512	3.101662	2.940139	3.054776	3.075009	2.731965	2.755911	2.724423
NOLC1	ENSG0000	-0.36632	8.743451	-8.50742	1.27E-07	4.27E-06	7.417156	9.450679	9.458616	9.432567	8.780317	8.859704	8.83459	8.983046	8.957644	8.930616	8.723861	8.657996	8.737538	8.112716	8.048525	8.084779	8.487928	8.438937	8.467496
ALKBH3	ENSG0000	-0.10074	4.111557	-1.1084	0.282708	0.400219	-6.31571	4.772011	4.809337	5.018167	4.803367	4.470555	4.460795	4.956946	5.033666	4.745547	3.75845	3.836353	3.7997	3.532792	3.479115	3.615478	3.560228	3.554448	3.455199
COPS2	ENSG0000	0.445326	7.383551	10.05465	1.09E-08	6.98E-07	10.00875	6.944712	6.933532	6.907989	7.342274	7.153021	7.271466	7.523024	7.492261	7.469279	7.363557	7.383585	7.280853	7.615258	7.686425	7.656048	7.671414	7.68149	7.690778
GABRB3	ENSG0000	0.539678	5.031021	4.616209	0.00023	0.001449	0.19265	5.042051	5.041126	5.094055	6.388234	6.377132	6.370669	5.907184	5.951655	5.88653	4.167027	4.157244	4.124247	4.745223	4.875912	4.782046	4.137495	4.333674	4.122853
SGPL1	ENSG0000	-0.09138	6.50732	-1.94088	0.068576	0.133064	-5.64605	6.903204	6.881904	6.850072	6.316613	6.450097	6.463697	6.649872	6.727114	6.661798	6.462866	6.426122	6.468703	6.279029	6.23046	6.275807	6.476108	6.462131	6.442871
FRS2	ENSG0000	-0.32159	5.638182	-6.4971	4.78E-06	7.21E-05	3.930172	6.110133	5.977387	6.069258	5.598277	5.3917	5.532066	5.628203	5.679597	5.640119	5.795112	5.78433	5.751395	5.482686	5.518239	5.459595	5.507606	5.53284	5.567757
CCT2	ENSG0000	-0.17893	8.66097	-4.71054	0.000188	0.001245	-0.07363	8.894731	8.867315	8.817447	8.712998	8.682806	8.701315	8.622766	8.608224	8.645595	8.779941	8.706706	8.73705	8.432478	8.445621	8.46767	8.619748	8.578695	8.642921
PCBD1	ENSG0000	0.180487	6.020403	1.894128	0.074879	0.142657	-5.62402	6.62668	6.61304	6.550756	6.369619	6.397219	6.417087	6.570057	6.67583	6.714435	5.33073	5.221963	5.267448	5.812803	5.764345	5.718428	5.60737	5.547687	5.603018
ARIH1	ENSG0000	0.285386	6.831928	4.689551	0.000197	0.001283	0.029507	6.819693	6.930546	6.905885	7.291536	7.084063	7.23258	7.329999	7.327574	7.323343	6.434229	6.382987	6.331464	6.772119	6.751716	6.769611	6.520526	6.518123	6.490722
CLMP	ENSG0000	0.551412	0.406663	1.850245	0.081258	0.152224	-4.43767	5.075249	5.03743	4.85325	5.156973	5.226392	5.327654	5.665257	5.550308	5.497217	0.106501	0.106501	0.16959	0.234608	0.106501	0.186984	0.106501	0.106501	0.106501
COX11	ENSG0000	0.371924	4.878381	5.829428	1.80E-05	0.0002	2.763532	5.449012	5.466485	5.522611	5.615935	5.690831	5.807161	5.952856	5.991525	5.96466	3.980092	4.14254	4.054926	4.222798	4.215509	4.104162	4.236002	4.247965	4.190648
ZNF202	ENSG0000	0.022284	4.647976	0.263191	0.795481	0.858011	-7.12347	4.820675	4.629503	4.641955	4.152252	4.293254	4.315882	4.673889	4.819999	4.819498	4.829349	4.860959	4.801266	4.841432	4.794321	4.975731	4.874113	4.850589	4.731125
FAM227B	ENSG0000	-0.20333	1.258488	-0.6208	0.542742	0.654443	-6.10312	2.296082	2.152784	2.399755	1.326771	1.006428	1.188496	1.762502	1.760835	1.918715	1.704765	1.435603	1.653508	2.062048	2.517623	2.312654	1.599785	1.766644	1.58715
STXBP4	ENSG0000	0.543362	3.536164	5.135668	7.58E-05	0.00061	1.570161	3.792713	3.608619	3.783005	4.667726	4.688349	4.761901	4.420085	4.413424	4.482711	2.966925	2.877496	2.776437	3.213258	3.223865	3.281558	3.103995	2.99751	3.079476
CUL5	ENSG0000	-6.86E-05	6.012848	-0.00175	0.998627	0.998977	-7.38211	5.979843	6.000355	6.099032	6.007062	5.879712	5.928437	6.15656	6.065615	6.074452	6.112774	6.125748	6.053763	6.017022	5.993658	6.029337	6.016621	6.024808	6.079643
WBP1L	ENSG0000	0.037083	5.427425	0.687625	0.500713	0.617567	-6.99817	5.440544	5.585177	5.399401	5.946944	5.986987	6.011461	5.609312	5.535999	5.719525	5.021274	5.085124	5.153077	5.551958	5.646534	5.557452	5.015537	5.069195	4.99276
BORCS7	ENSG0000	0.090906	3.90013	0.833559	0.415776	0.537777	-6.40059	5.030813	5.120143	5.251481	5.622938	5.338674	5.584228	5.282018	5.388507	5.274297	2.843296	2.779525	2.53427	2.949505	2.925848	3.167173	2.400938	2.665466	2.59029
PLEKHF1	ENSG0000	-0.25572	1.831868	-1.56323	0.135922	0.22669	-5.51999	0.742531	1.118985	1.202741	1.022291	1.006428	1.055701	1.389995	0.622068	1.38134	3.437834	3.390227	3.658388	4.615908	4.476309	4.523816	3.333216	3.182818	3.121769
TMEM100	ENSG0000	1.480364	-1.16761	2.562614	0.019881	0.050083	-3.191	1.384302	1.591918	1.146821	4.342447	4.368438	4.480358	2.752438	2.848856	2.82232	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ANAPC16	ENSG0000	0.354472	6.617907	6.768805	2.83E-06	4.86E-05	4.41622	7.354593	7.425825	7.335247	7.719964	7.691876	7.696355	7.797892	7.851263	7.821676	5.473087	5.459973	5.390066	5.842013	5.798226	5.861701	5.6708	5.688306	5.588012
SMPD1	ENSG0000	0.530433	4.78743	3.619003	0.002041	0.008209	-1.91283	4.165822	4.275018	4.249168	6.462335	6.504813	6.442243	4.980658	4.922558	5.121883	3.944434	3.780465	4.182763	5.28231	5.280064	5.156493	4.142342	4.258317	4.136669
APBB1	ENSG0000	0.632527	0.479654	2.112993	0.049268	0.102471	-4.01599	2.27083	2.232543	2.166567	3.083078	3.48743	3.459109	2.340763	2.728183	2.869505	0.415169	0.462741	0.288049	0.5125	0.345231	0.593579	0.738851	0.433238	0.734116
NUDT13	ENSG0000	0.692291	1.357038	3.884437	0.001139	0.005186	-0.75959	2.483604	2.125186	2.248556	2.791417	2.737798	2.741673	3.094248	3.043491	2.748518	1.239286	0.941811	0.76743	1.365252	1.528499	1.456457	1.13872	1.16325	1.273688
TRIM44	ENSG0000	0.04155	7.307606	0.622929	0.541375	0.653236	-7.31598	7.425675	7.513588	7.467389	7.217131	7.179939	7.278932	7.590075	7.549475	7.600927	7.197407	7.191599	7.153997	7.250168	7.325491	7.289867	7.208391	7.182778	7.084245
ILK	ENSG0000	-0.00706	5.883471	-0.096	0.924615	0.950196	-7.33062	6.044597	6.067143	5.994	6.168929	6.152121	6.096318	6.000029	5.862728	5.920533	5.524305	5.4835	5.649959	6.182047	6.115569	6.173346	5.64029	5.647541	5.637437
TAF10	ENSG0000	0.3938	5.584714	7.231187	1.19E-06	2.46E-05	5.392891	5.504227	5.384472	5.555197	6.279424	6.3444	6.233295	5.952856	5.827914	5.912107	4.829349	5.064472	5.000938	5.689666	5.866886	5.711642	5.416521	5.292118	5.239981
TPP1	ENSG0000	0.328736	5.583558	4.210118	0.000557	0.002938	-0.90629	3.952119	4.073175	4.080323	5.213737	5.199191	5.35617	4.8959	4.80814	4.801363	6.254195	6.215126	6.146848	7.110509	7.020694	7.062095	6.337182	6.341957	6.343617
CYB5A	ENSG0000	0.143003	5.839012	1.225885	0.236503	0.348347	-6.57339	5.786261	5.680694	5.628485	6.049263	5.973671	6.018168	6.23506	6.219034	6.181159	5.608358	5.72963	5.597869	6.167071	6.167044	6.112827	5.416521	5.5519	5.453733
USP54	ENSG0000	-0.12723	4.898286	-1.10449	0.284353	0.401989	-6.48164	5.207561	5.03743	4.990634	6.069909	5.859584	6.100538	4.944941	4.877874	4.956916	4.637991	4.521599	4.29666	4.790225	4.934974	4.788509	4.374256	4.451131	4.274271
RAG1	ENSG0000	0.126943	0.216904	0.736078	0.471448	0.591146	-6.34326	0.216396	0.106501	0.219246	0.395333	0.106501	0.3528	0.269385	0.509405	0.256032	3.265521	3.365114	3.305013	3.259174	3.436722	3.308792	3.423579	3.182818	3.291935
IFTAP	ENSG0000	0.344902	1.650736	1.836033	0.083424	0.155204	-4.69545	2.780548	2.730641	2.848472	3.083078	2.633282	2.532704	2.696258	3.285084	2.798137	1.388276	1.029669	1.126631	1.644349	1.560439	1.456457	1.45147	1.581179	1.665483
ATP9B	ENSG0000	-0.06677	3.641625	-0.9683	0.346103	0.467238	-6.3435	4.12413	4.087546	4.109872	4.190466	4.240862	4.249025	4.122591	3.84524	3.867685	3.275122	3.339557	3.445469	3.551365	3.503965	3.517722	3.350072	3.356678	3.509302
PPFIBP2	ENSG0000	-1.05966	1.528569	-5.36941	4.64E-05	0.000418	2.208882	2.526909	2.513665	1.954926	1.933905	1.864131	2.164723	1.074544	1.15884	1.445026	2.444376	2.388995	2.396013	2.193986	2.039797	2.161508	1.419885	2.101639	2.174206
CYB5R2	ENSG0000	-1.43977	-0.98323	-3.27466	0.00434	0.015032	-1.8889	4.664623	4.724521	4.58523	1.840866	1.498102	1.422231	3.33403	3.083395	3.271973	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SERPINB7	ENSG0000	-0.21052	-0.16621	-0.84088	0.41177	0.533506	-5.74247	1.286899	1.277811	1.256574	0.52061	0.625525	0.746642	0.886508	0.622068	0.925731	1.352446	1.369793	1.188864	0.745413	0.484926	0.404558	1.681967	1.329561	1.370407
GARRE1	ENSG0000	-0.34528	3.76656	-3.14292	0.00578	0.018925	-2.90362	3.397161	3.209365	3.296854	3.181227	3.188693	3.069023	3.050103	3.250449	3.406029	4.5772	4.580969	4.472706	4.858933	4.934974	5.025827	4.147172	3.999132	4.274271
SERPINB8	ENSG0000	0.61088	4.548002	8.579972	1.12E-07	3.92E-06	7.947184	5.485141	5.651972	5.690917	5.583994	5.371535	5.425089	6.232593	6.326859	6.145661	3.358771	3.348126	3.489405	3.091636	3.213858	3.253801	3.940112	3.779553	4.022248
TUB	ENSG0000	1.050829	-0.86649	4.092214	0.000722	0.00359	-0.31739	2.483604	2.674627	2.739267	3.898911	4.149079	4.121933	3.632324	3.711575	3.628063	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
IDH3A	ENSG0000	0.216781	6.555901	3.287328	0.004222	0.014734	-3.01036	6.583748	6.571467	6.530413	6.894342	6.850524	6.854475	6.934204	6.947185	6.921714	6.443838	6.359867	6.360483	6.223171	6.148776	6.323319	6.483766	6.43501	6.428903
WDR72	ENSG0000	0.245175	4.716163	2.865741	0.010497	0.030216	-3.35817	6.54082	6.468163	6.398948	6.895788	6.801626	6.807492	6.670066	6.703301	6.7289	2.527059	2.766797	2.796562	3.091636	3.401888	3.421201	2.924322	2.934355	3.021085
ZMAT1	ENSG0000	-0.15456	-0.44042	-0.42819	0.673745	0.765121	-5.79842	2.949211	2.870177	3.075109	3.162124	3.033076	3.485165	2.480375	2.568641	3.064594	0.106501	0.106501	0.230035	0.234608	0.26996	0.263213	0.183756	0.106501	0.214669
XRRA1	ENSG0000	0.223764	3.754456	3.056153	0.006974	0.021846	-2.88012	4.957532	4.843609	4.870617	4.778495	4.807214	4.942007	5.162706	5.002785	4.99996	2.620402	2.701418	2.776437	2.812503	2.901116	2.858649	2.957699	3.034117	3.035906
TRIM66	ENSG0000	-0.77626	3.385032	-6.49994	4.75E-06	7.20E-05	4.304478	4.044416	3.983805	3.914407	3.688057	3.630051	4.154771	2.908934	3.351955	3.064594	3.520882	3.866492	3.48321	3.422776	3.544454	3.754018	2.946659	3.127424	3.065099
RNF169	ENSG0000	-0.3044	4.524065	-5.29979	5.37E-05	0.000464	1.610307	4.758449	4.584615	4.48167	4.142539	3.978251	4.027574	4.376062	4.175703	4.396744	5.21079	5.21026	5.005268	4.543538	4.642195	4.546874	4.874113	4.805418	4.849107
RPL27A	ENSG0000	-0.06472	8.875876	-1.78777	0.091164	0.165957	-6.07658	9.248658	9.265546	9.223973	9.073057	9.058208	9.013923	9.160599	9.159265	9.18405	8.665969	8.605129	8.602592	8.558904	8.65518	8.626267	8.550566	8.551858	8.620359
DENND2B	ENSG0000	-0.0125	3.261195	-0.13535	0.893881	0.929115	-6.76624	3.325391	3.042358	3.25779	3.605613	3.588725	3.620621	3.219115	2.981485	2.915195	3.358771	3.517242	3.432666	3.599754	3.779712	3.615478	3.485915	3.644015	3.410407
PRTG	ENSG0000	-0.28747	4.442924	-2.09235	0.051289	0.105811	-4.90085	5.465799	5.610278	5.571218	5.720837	5.745129	5.711078	5.42715	5.514266	5.420081	3.914031	4.077032	3.685623	3.173846	3.301515	3.396027	3.094024	3.267249	3.466183
CENPN	ENSG0000	0.246226	4.529809	1.312968	0.206172	0.312494	-6.27125	4.876148	4.980813	4.946277	4.59836	4.621619	4.690911	5.515028	5.412203	5.355259	4.874259	4.78725	4.925267	2.930712	3.077028	2.870883	4.908658	4.729324	4.819433
AKIP1	ENSG0000	0.284068	3.962642	3.431794	0.003078	0.011463	-2.15748	4.855064	4.969219	4.844488	4.892995	4.789085	4.854763	5.120637	5.03875	5.097318	2.918737	3.065914	2.911754	3.395624	3.193633	3.335521	3.374993	3.297679	3.387478
ATMIN	ENSG0000	0.071178	6.909296	1.82006	0.085919	0.158599	-5.89856	6.587588	6.556048	6.509779	6.617648	6.41309	6.45713	6.604805	6.563926	6.610642	7.259182	7.171219	7.256086	7.35344	7.324329	7.343525	7.319008	7.30889	7.340753
C16orf46	ENSG0000	-0.97656	0.735521	-3.82004	0.001312	0.005815	-0.91131	1.561356	1.420874	1.62731	1.256461	0.625525	0.984419	0.782422	0.509405	0.735084	1.91588	2.074736	1.896649	2.371704	2.612083	2.449456	1.419885	1.547811	1.504318
TMEM41B	ENSG0000	0.147733	5.183837	1.389596	0.1821	0.283923	-6.24916	5.460225	5.466485	5.426074	5.554996	5.3917	5.448454	5.925627	6.035417	5.937239	4.977839	4.896447	4.98568	4.808355	4.837324	4.778803	4.762075	4.641102	4.740203
PKD1L2	ENSG0000	0.225964	2.273752	1.264716	0.222578	0.332443	-5.74183	2.109269	2.596389	2.5366	2.255624	2.117603	2.317553	2.724622	2.825515	3.023464	2.444376	2.485369	2.447834	2.902055	2.985883	2.883013	2.597261	2.585506	2.226823
LEO1	ENSG0000	0.060601	5.849093	0.905118	0.377711	0.500115	-6.89606	6.209831	6.24755	6.288611	6.543927	6.397219	6.443905	6.382529	6.405702	6.287046	5.413478	5.407641	5.513751	5.250459	5.345687	5.271695	5.306398	5.53284	5.526375
ZNF143	ENSG0000	0.143875	4.030199	1.560047	0.136672	0.227728	-5.77463	3.86199	3.786518	3.83701	4.479932	4.327153	4.454215	4.045989	4.060466	4.16108	4.177304	3.953305	4.144017	4.222798	3.987816	4.27038	4.189932	4.111883	4.080593
TMX3	ENSG0000	0.306936	5.55493	2.896133	0.009837	0.028735	-3.65071	5.93634	5.916304	5.906203	6.37999	6.137866	6.363663	6.606711	6.526419	6.474207	5.082702	5.069663	4.842989	4.936342	4.847068	4.891173	4.939614	4.79479	4.969789
WEE1	ENSG0000	-0.85479	5.032198	-10.2179	8.58E-09	5.85E-07	10.44283	5.220808	5.237561	5.281005	4.96641	5.019069	5.059385	4.090259	4.109604	4.198517	5.733768	5.747555	5.764226	5.274879	5.203748	5.326021	5.085149	5.003024	5.11644
MAPK7	ENSG0000	0.20401	4.406552	1.868944	0.078483	0.148235	-5.41673	3.919992	3.936954	4.080323	4.63346	4.726954	4.656929	4.034706	3.999201	3.979442	4.468423	4.637993	4.679211	4.831335	4.704269	4.695277	4.908658	4.933671	4.7671
PRKCB	ENSG0000	0.784825	0.598303	3.13377	0.005896	0.019216	-2.18356	5.451823	5.455446	5.46661	6.497053	6.478657	6.455483	6.300115	6.225736	6.269562	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
HDGFL3	ENSG0000	-0.11753	0.347917	-0.72561	0.477679	0.596701	-5.72838	5.834455	5.727328	5.70066	5.869565	5.818465	5.906913	5.555064	5.676339	5.629879	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MCM7	ENSG0000	-0.1655	7.807025	-1.5583	0.137085	0.22831	-6.38781	8.12258	8.075579	8.072118	7.023002	7.092711	7.066704	7.850318	7.91554	7.790603	8.621502	8.523545	8.608296	6.836636	6.823395	6.801117	8.467074	8.477383	8.491887
CCDC68	ENSG0000	-0.00704	4.21385	-0.03352	0.973639	0.982677	-6.86326	5.443372	5.303682	5.460888	5.772136	5.703792	5.683212	5.570773	5.682848	5.760779	3.463254	3.524821	3.81458	2.529911	2.549802	2.906973	3.011667	2.854728	2.912845
ZNF3	ENSG0000	0.238019	5.605093	3.213105	0.004963	0.01679	-3.05611	5.319544	5.281977	5.217952	5.452586	5.371535	5.468184	5.555064	5.575011	5.541593	5.520274	5.581239	5.655479	6.21154	6.205427	6.111539	5.766509	5.825159	5.78729
ZSCAN21	ENSG0000	-0.06325	3.46919	-0.53142	0.601819	0.70462	-6.67478	3.662849	3.768792	3.726899	3.441022	3.560502	3.608819	3.423261	3.798055	3.437684	3.42926	3.295928	3.567612	3.879997	3.896925	3.951255	3.538334	3.571152	3.228839
RIMKLB	ENSG0000	0.434383	-0.02004	2.582377	0.019081	0.048479	-3.20921	4.945613	4.976959	5.018167	4.569652	4.681813	4.849758	5.36994	5.404348	5.451432	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
BEAN1	ENSG0000	1.175072	1.911663	5.873035	1.65E-05	0.000188	3.188547	1.681202	2.009193	1.453818	3.237064	2.948483	2.904994	2.545421	2.540248	2.34318	1.646779	1.752042	1.562415	2.162115	2.23054	2.312654	2.432936	2.726388	2.706008
TK2	ENSG0000	0.019896	5.081859	0.28613	0.778142	0.844683	-7.10947	6.077737	6.083368	6.050332	5.5623	5.620805	5.657664	6.309508	6.147896	6.233947	4.412971	4.555295	4.503642	4.15964	3.993677	4.109334	4.32821	4.288934	4.311289
TMED3	ENSG0000	0.356738	7.263787	7.864611	3.81E-07	1.00E-05	6.383792	7.168867	7.223531	7.245746	7.949683	8.001024	7.941299	7.691449	7.65089	7.683285	6.630249	6.645352	6.760151	7.240186	7.173079	7.150678	6.921729	6.938337	6.915194
SEC11C	ENSG0000	0.271206	4.846859	2.702468	0.014839	0.039721	-3.88773	5.606174	5.567343	5.544416	5.875441	5.745129	5.855404	5.729647	5.666521	5.757647	3.980092	3.924944	4.071539	3.879997	4.005327	3.81227	4.280646	4.446612	4.577525
TMEM135	ENSG0000	0.777958	4.725762	6.682292	3.34E-06	5.46E-05	4.449564	4.309146	4.210824	4.235828	5.082724	5.084948	5.106307	5.523124	5.525174	5.37174	4.430262	4.403231	4.338442	4.704315	4.853528	4.715769	4.780845	4.633169	4.793504
IQCD	ENSG0000	-0.1949	2.64033	-1.67805	0.111127	0.193993	-5.57367	2.021155	1.947501	1.921989	1.634586	1.087782	1.475193	1.70672	1.15884	1.01237	4.513734	4.283241	4.48516	4.63635	4.573423	4.599282	4.271827	4.442079	4.329449
NDEL1	ENSG0000	-0.07278	6.238616	-1.21063	0.242153	0.354651	-6.67434	6.179621	6.124021	6.160332	6.125209	5.899563	5.968239	6.09271	6.078014	6.176476	6.426711	6.359867	6.421694	6.566839	6.521619	6.618192	6.318033	6.32359	6.290535
CENPV	ENSG0000	0.002869	4.437529	0.037238	0.970717	0.981119	-7.00906	5.451823	5.427474	5.544416	5.142425	4.950037	5.097889	5.431459	5.348128	5.660384	3.968304	3.942027	3.886761	3.165832	3.253475	3.299771	3.934535	3.910024	3.922098
RRAD	ENSG0000	-0.20885	2.28643	-0.51429	0.613488	0.714933	-6.78258	3.672523	3.704977	3.607684	0.395333	0.25478	0.563119	1.160105	0.726566	0.925731	4.037631	3.848485	4.171248	4.15964	4.122289	4.174939	4.426844	4.283876	4.066226
CIAO2B	ENSG0000	-0.18998	6.762059	-3.04722	0.00711	0.022126	-3.54756	7.210964	7.231642	7.263932	6.633339	6.727407	6.543358	6.937237	6.930873	7.001986	6.690684	6.6305	6.801818	6.543063	6.5287	6.475274	6.633268	6.644843	6.538338
HSP90B1	ENSG0000	0.454494	10.15277	8.634488	1.02E-07	3.67E-06	7.573283	10.36298	10.37011	10.35233	10.87611	10.69038	10.82177	10.72248	10.76741	10.7558	9.431231	9.452942	9.389903	9.603198	9.686197	9.65015	9.914111	9.924574	10.0035
BLCAP	ENSG0000	-0.19079	6.77961	-2.09935	0.050596	0.104654	-5.41699	6.455142	6.405017	6.377849	6.35076	6.30028	6.44058	5.931722	5.746369	5.85464	7.412771	7.358886	7.443648	7.30501	7.274651	7.270374	7.440065	7.486145	7.445063

ATF7IP2	ENSG0000	-0.16669	1.961954	-1.46159	0.161599	0.259137	-5.34243	2.438959	2.403106	2.351095	2.840308	2.660129	2.741673	2.480375	2.389238	2.202855	2.30136	1.899254	2.004401	2.529911	2.326537	2.449456	1.809319	1.956613	1.81044
BEX3	ENSG0000	-0.28272	1.90656	-1.13091	0.273372	0.390262	-5.39033	8.638172	8.667766	8.66312	9.046283	8.978123	8.924216	8.349842	8.316465	8.387985	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
COG1	ENSG0000	0.181902	5.204979	3.430222	0.003089	0.011496	-2.55221	4.433832	4.569336	4.537101	4.821743	4.795153	4.884435	4.512454	4.357565	4.520155	5.612151	5.691415	5.580563	6.167071	6.144832	6.142143	5.940756	5.833837	5.940859
PLEKHA7	ENSG0000	-0.54562	3.854566	-8.04959	2.76E-07	7.70E-06	6.891132	1.430644	1.591918	1.499186	1.978268	2.490996	2.132113	1.648695	1.301009	1.674905	6.64606	6.661772	6.702654	6.816303	6.838128	6.797116	6.019258	6.170318	6.084997
ZNF606	ENSG0000	0.11711	2.755998	1.263153	0.223125	0.333051	-6.2412	1.430644	1.374745	1.921989	1.256461	1.437317	1.367251	1.240874	1.001115	0.833554	4.845549	4.84591	4.748003	5.286012	5.308554	5.250784	5.007591	4.949728	5.084719
B2M	ENSG0000	0.346212	9.898545	5.438285	4.02E-05	0.000376	1.430369	9.769102	9.78748	9.694191	10.36031	10.28168	10.2698	10.22292	10.24281	10.22698	9.651441	9.598763	9.533506	9.60755	9.742643	9.784237	9.743402	9.797138	9.888533
ZNF592	ENSG0000	-0.15601	6.189665	-4.6475	0.000215	0.001374	-0.04185	5.731782	5.639833	5.731878	5.506594	5.296516	5.428451	5.555064	5.543171	5.556087	7.056287	7.006405	7.054613	6.675951	6.679929	6.710426	6.883163	6.858936	6.90312
GOLM2	ENSG0000	0.288665	7.209099	3.384905	0.003411	0.012416	-2.85334	7.106003	7.143257	7.146763	7.847261	7.678807	7.753079	7.755565	7.789275	7.691514	6.831546	6.827217	6.819138	7.065994	7.089351	7.042626	6.748203	6.815783	6.800538
NNMT	ENSG0000	0.751471	-0.05431	2.489797	0.023113	0.056476	-3.37193	3.952119	4.115866	4.087767	6.041444	6.084358	6.070736	4.758625	4.87219	4.751857	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AP1G1	ENSG0000	0.17045	7.333291	2.532758	0.021151	0.052556	-4.64481	7.043074	7.072773	7.116148	7.484589	7.304287	7.363888	7.479997	7.535158	7.418625	7.417655	7.457225	7.375458	7.294483	7.313241	7.344073	7.354943	7.361452	7.429012
SLFN5	ENSG0000	-0.49356	6.736441	-3.78509	0.001417	0.006168	-1.9521	6.887715	6.958181	6.927826	6.69611	6.670775	6.672277	5.925627	5.902309	5.822029	6.821752	6.897502	6.770999	7.421064	7.41556	7.448266	6.684838	6.810517	6.786366
CATSPER2	ENSG0000	-0.22674	0.60512	-0.993	0.334258	0.454798	-5.64295	1.384302	1.118985	1.54317	1.519216	1.373859	1.880533	1.160105	1.605065	0.925731	1.457372	1.616737	1.219002	1.473091	1.077171	1.390007	1.099384	1.2488	1.504318
ZNF667-AS	ENSG0000	-0.13333	0.679245	-2.68459	0.015408	0.040981	-3.97144	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.483477	5.52755	5.579111	5.992313	6.009653	6.051003	5.365622	5.370553	5.408895
BMERB1	ENSG0000	-0.24058	1.904951	-1.12207	0.277011	0.39442	-5.51346	5.485141	5.39028	5.335175	4.999073	5.024245	4.946703	5.178171	5.048863	5.188519	0.609835	0.524532	0.54756	0.352262	0.345231	0.651457	0.393424	0.924142	0.659518
MARF1	ENSG0000	0.103402	5.395469	1.645334	0.117764	0.202991	-5.92078	5.278958	5.331118	5.387386	5.772136	5.830334	5.872779	5.506885	5.58547	5.602211	5.057888	5.097884	5.070772	5.717343	5.697694	5.751886	5.105146	4.981317	5.11644
SAAL1	ENSG0000	-0.20875	3.960422	-3.42614	0.003117	0.011572	-2.31287	4.302931	4.281283	4.201929	3.54791	3.588725	3.711713	3.904396	3.90213	3.946814	4.295234	4.340194	4.398932	3.970183	3.940055	3.939687	4.21775	4.357943	4.136669
PPIB	ENSG0000	0.342673	9.390648	6.575533	4.11E-06	6.45E-05	3.799846	9.254708	9.235814	9.226926	9.868949	9.817054	9.838741	9.586434	9.583367	9.631302	9.08637	9.007157	9.007621	9.274289	9.283347	9.302441	9.33926	9.346943	9.381659
LDHC	ENSG0000	0.000975	0.059276	0.005787	0.995448	0.996708	-6.24661	0.41387	0.316291	0.512639	0.52061	0.512209	0.563119	0.415731	0.726566	0.735084	2.163418	2.115463	2.038602	1.755315	1.710321	1.722572	2.034568	1.956613	1.775544
CIAO2A	ENSG0000	0.064167	5.93211	1.423684	0.172145	0.272127	-6.35595	5.924244	5.865087	5.796906	6.017729	5.943937	6.059941	5.760796	5.948957	5.788664	5.946988	5.929869	5.886627	6.002473	6.0857	6.105081	6.083665	6.039887	6.028687
FAM111A	ENSG0000	0.133713	4.534238	1.219809	0.238742	0.35081	-6.42909	3.911847	3.61855	3.618004	4.122913	4.009905	4.202668	4.302704	4.316298	4.305329	5.291059	5.39529	5.336087	4.836392	4.913495	4.873042	5.151556	5.322033	5.326909
PCLAF	ENSG0000	-0.24162	3.23136	-1.15328	0.264325	0.380435	-6.13742	4.158957	4.136747	4.07284	3.441022	3.502343	3.335661	4.215456	3.879643	4.207726	3.980092	3.824119	3.81458	1.621093	1.738515	1.580823	3.366734	3.476789	3.31642
KIF7	ENSG0000	-0.47142	0.243655	-1.67142	0.112445	0.195765	-5.05397	0.667115	0.106501	0.323815	0.258133	1.006428	0.563119	0.106501	0.253663	0.515351	2.650221	2.575707	2.786535	3.850304	3.629721	3.509921	2.494877	2.054898	2.119598
LDHD	ENSG0000	-0.1176	1.387427	-0.654	0.521626	0.635908	-5.96903	3.249862	2.982098	3.029452	2.933382	3.188693	2.605775	3.027514	3.023117	3.143496	1.199504	0.89579	1.305813	0.982856	1.032323	0.862212	0.789161	0.975239	1.115245
PEX11A	ENSG0000	0.264218	3.258991	3.266403	0.004419	0.015258	-2.42533	2.815895	2.853456	2.700947	3.714523	3.808643	3.632327	3.094248	3.214961	3.306673	3.294134	3.373534	3.141546	4.126992	4.164465	4.040604	3.341669	3.503143	3.31642
TMEM170A	ENSG0000	-0.07937	4.511077	-0.98254	0.339239	0.460345	-6.65081	4.85081	4.852052	4.753809	4.092964	3.956756	4.018682	4.402637	4.519046	4.534865	4.724629	4.836805	4.753161	4.43437	4.54975	4.504317	4.762075	4.971913	4.857474
MESP1	ENSG0000	-0.15298	0.61332	-0.33587	0.740967	0.817665	-6.02942	2.218961	2.125186	2.326135	1.104644	1.2379	1.422231	1.588238	1.549165	1.50602	0.609835	0.986408	0.639567	1.689764	1.897007	1.580823	1.177011	1.118494	0.805046
RBPMS2	ENSG0000	0.648261	0.516019	1.743276	0.098849	0.177207	-4.5671	3.262728	3.450822	3.408073	4.40878	4.318753	4.096805	4.185161	4.080322	4.141991	0.269074	0.259702	0.54756	0.294634	0.26996	0.186984	0.257084	0.2791	0.106501
NAV2	ENSG0000	-0.46638	4.392569	-3.63344	0.001978	0.008018	-2.05272	2.568952	2.71221	2.830836	3.533117	3.546181	3.776446	3.050103	3.214961	2.616448	6.245675	6.287085	6.048527	5.947442	5.860486	6.026606	5.546516	5.522142	5.708538
ANKDD1A	ENSG0000	0.357262	0.201999	1.777778	0.092843	0.16844	-4.57147	1.384302	1.061904	1.499186	1.634586	1.666451	1.526279	1.762502	1.367163	1.674905	0.7264	0.89579	0.76743	1.018891	0.612281	0.910419	0.884806	0.924142	0.805046
C18orf54	ENSG0000	-0.156	1.926552	-0.59783	0.557618	0.667936	-6.25785	3.026682	2.836538	2.933559	2.791417	2.366112	2.675323	2.858632	2.801791	2.869505	2.679436	2.500824	2.382761	0.907968	0.888753	0.862212	2.211015	2.37332	2.326628
DCTN5	ENSG0000	0.201044	7.493829	3.591954	0.002166	0.008603	-2.44915	7.444147	7.463503	7.466675	7.401507	7.212045	7.400288	7.743488	7.764175	7.769769	7.462464	7.423158	7.39539	7.551722	7.436149	7.491493	7.519046	7.532194	7.561029
TERF2IP	ENSG0000	-0.12594	6.167955	-3.1837	0.00529	0.017659	-3.21516	6.048317	6.009818	5.988045	5.740289	5.710229	5.643273	5.997126	6.020078	5.99689	6.651599	6.596738	6.736906	6.2781	6.301873	6.30653	6.465512	6.458768	6.452569
PLK1	ENSG0000	1.016284	4.942563	4.083827	0.000735	0.003645	-1.03044	5.259834	5.198371	5.183625	5.521661	5.654575	5.510028	6.536452	6.500862	6.526664	4.738576	4.602618	4.69538	2.902055	2.997596	2.795875	5.332078	5.104049	5.133766
CLPX	ENSG0000	-0.16351	5.955559	-3.27214	0.004364	0.015101	-2.97945	6.152226	6.192103	6.124589	5.7878	5.921921	5.820014	5.922569	5.946255	5.822029	6.035795	5.974832	6.090906	6.013678	5.927843	6.030701	5.972399	5.922751	5.972018
ZBTB39	ENSG0000	-0.12172	4.958241	-1.41029	0.176003	0.276751	-6.24304	5.156772	4.988492	5.204319	4.40878	4.343809	4.393601	4.920629	4.825892	4.889843	5.24783	5.294698	5.243822	5.170617	5.098907	5.246096	5.269218	5.143675	5.271631
NEMP1	ENSG0000	-0.38146	4.851416	-3.71854	0.00164	0.00691	-1.89958	5.194191	5.106095	5.05661	4.263984	4.167908	4.233737	4.716879	4.960553	4.831463	5.919702	5.737805	5.8255	4.055062	4.028349	4.078019	5.299906	5.447207	5.406045
NAB2	ENSG0000	-0.17853	4.560712	-1.09018	0.290436	0.408762	-6.58925	3.476616	3.676739	3.511328	4.281793	4.318753	4.121933	3.853933	3.999201	3.990155	5.831356	5.686355	5.765503	5.007568	4.922739	4.882136	5.42251	5.428995	5.19777
VPS39	ENSG0000	0.253482	6.525498	4.121897	0.000676	0.003411	-1.17517	6.442476	6.440439	6.398948	6.962178	6.980027	7.009506	6.760168	6.683964	6.699824	5.978182	6.081465	5.981981	6.92237	6.779969	6.930942	6.209072	6.220153	6.276563
STAT6	ENSG0000	0.106184	7.235245	1.497623	0.152073	0.247265	-6.39699	7.249446	7.260468	7.289174	7.198501	7.327502	7.223902	7.417301	7.315058	7.342282	7.043704	7.019206	6.961308	7.443196	7.435611	7.498409	7.074706	7.176651	7.136749
PATL1	ENSG0000	0.079673	6.914388	1.45788	0.162608	0.260515	-6.44673	6.606636	6.73102	6.740992	6.489409	6.3444	6.552629	6.906617	6.904661	6.88487	7.394718	7.392416	7.331304	6.821413	6.752581	6.789886	7.376184	7.30889	7.35781
ATP23	ENSG0000	-0.04135	2.344654	-0.44566	0.661314	0.756129	-6.50666	2.416107	2.206444	2.351095	2.325974	2.229385	2.374422	2.340763	2.420731	2.274723	2.868884	3.106888	3.101662	2.872818	2.714997	2.618601	2.946659	2.854728	3.107809
ELFN2	ENSG0000	-0.07871	3.373348	-0.85617	0.40349	0.525168	-6.86475	1.286899	1.744817	1.78216	1.182548	1.556428	1.623325	0.782422	1.15884	1.171446	6.381872	6.421054	6.484297	5.739109	5.668682	5.668493	6.516799	6.413172	6.259301
STX3	ENSG0000	-0.56772	5.362698	-8.17542	2.22E-07	6.54E-06	7.037796	4.707601	4.629503	4.657046	3.977507	3.709312	3.733615	4.19533	4.504423	4.482711	6.958379	6.948409	6.999249	6.249001	6.285244	6.394957	6.313743	6.264477	6.393378
MRPL16	ENSG0000	-0.10582	5.58124	-1.86299	0.079358	0.14955	-5.66754	5.797357	5.883735	5.693359	5.156973	5.212855	5.167927	5.672555	5.640007	5.616111	5.707417	5.864171	5.890143	5.52402	5.388576	5.549863	5.824952	5.761087	5.673426
PIP4K2C	ENSG0000	0.0118	6.583698	0.35342	0.728001	0.807213	-7.38087	6.474626	6.415023	6.478973	6.710974	6.660839	6.715565	6.33962	6.427182	6.407834	6.565216	6.595838	6.546525	6.860415	6.832416	6.835855	6.65038	6.638913	6.630321
MTMR10	ENSG0000	0.614612	4.23447	2.501147	0.022579	0.055389	-4.11603	5.370952	5.211553	5.183625	4.821743	4.813207	4.745826	6.264336	6.29959	6.393781	3.376719	3.390227	3.532043	3.24403	3.088026	3.225499	3.16242	2.854728	3.135595
YWHAB	ENSG0000	0.305301	8.634522	10.08686	1.04E-08	6.75E-07	9.998638	8.563451	8.570721	8.524629	8.749852	8.71717	8.716173	8.814329	8.845722	8.806922	8.357422	8.344811	8.369304	8.64573	8.711385	8.664982	8.658324	8.698044	8.730369
C15orf48	ENSG0000	0.518867	6.033301	2.409973	0.027222	0.064134	-4.7089	6.143557	6.213556	6.097189	6.227533	6.039053	6.106845	6.570057	6.544401	6.634741	4.980776	5.152722	5.245653	6.565317	6.655183	6.679463	5.74914	5.718611	5.713156
TSC22D4	ENSG0000	0.100081	5.209183	1.232513	0.23408	0.345493	-6.48901	4.95357	4.999934	5.137743	5.142425	5.185395	4.927828	4.926746	4.889176	5.092354	5.055104	5.301333	5.451648	5.609219	5.726134	5.684176	5.600342	5.456227	5.353773
DIS3L	ENSG0000	-0.04829	5.369999	-0.56196	0.581282	0.68747	-7.08189	5.578142	5.637393	5.494882	5.941353	5.87112	5.940258	5.61311	5.656635	5.526952	5.218274	5.254237	5.249309	4.998573	4.974036	5.020346	5.14915	5.054421	5.140638
CCNDBP1	ENSG0000	-0.03304	5.13202	-0.64119	0.52972	0.642845	-6.96536	5.118357	5.214829	5.1197	5.815573	5.723018	5.796796	4.998191	5.228657	5.291723	4.839091	4.758608	4.81613	5.441792	5.412836	5.426825	4.805497	4.687803	4.661156
SMAD3	ENSG0000	-0.7152	8.314863	-4.23721	0.000525	0.002802	-1.10042	9.30533	9.232181	9.323687	7.554932	7.546565	7.568906	8.029388	7.988286	8.010459	8.587711	8.571904	8.535319	8.176919	8.082262	8.152111	8.369178	8.354612	8.36742
MAP1A	ENSG0000	1.749569	3.386673	5.693741	2.37E-05	0.000246	2.822739	4.158957	4.418344	4.388298	6.892894	6.897819	7.053705	6.344198	6.131335	6.143263	1.490718	1.467416	1.439812	1.838325	1.738515	1.667532	1.708352	1.737342	1.322858
RCCD1	ENSG0000	-0.20322	4.593282	-2.76118	0.013109	0.036129	-3.79456	4.95357	4.791891	4.929803	4.827817	4.662026	4.604407	4.825625	4.753535	4.99996	4.699893	4.739193	4.838143	4.211164	4.363157	4.297823	4.345124	4.559742	4.382594
AKTIP	ENSG0000	-0.03953	4.389289	-0.40348	0.691492	0.77927	-7.0382	4.410898	4.412648	4.307715	3.898911	3.808643	3.786958	4.111894	4.09991	4.122646	4.721121	4.620414	4.808717	4.876225	4.907298	4.972896	4.758922	4.73304	4.946447
MAPRE2	ENSG0000	0.02738	5.143719	0.35539	0.72655	0.806064	-7.131	5.075249	5.007511	4.970641	5.759481	5.532753	5.677574	5.272444	5.360361	5.300358	4.977839	4.945274	5.074898	5.392856	5.292003	5.31263	4.823714	4.854006	4.72199
EVA1C	ENSG0000	1.216458	3.565139	10.15304	9.44E-09	6.26E-07	10.25191	5.030813	4.897622	5.108765	6.50655	6.415061	6.36892	6.239981	6.232407	6.30432	1.239286	1.265082	1.562415	2.112949	2.363215	2.014873	1.833493	1.795362	2.033602
MARS1	ENSG0000	-0.08318	8.521382	-1.25906	0.224565	0.33457	-6.81749	8.755461	8.706981	8.68721	7.964231	8.078949	8.067382	8.67002	8.610786	8.658246	8.728673	8.645666	8.716401	8.474647	8.418647	8.459592	8.59433	8.593335	8.628326
MBD6	ENSG0000	0.131926	5.88528	1.611427	0.124997	0.212526	-6.08038	5.708461	5.736477	5.933314	5.927278	6.015855	5.875244	6.187456	6.147896	6.323509	5.904318	5.853677	5.848577	5.970627	5.839488	5.872388	5.736375	5.780968	5.726921
CNPY4	ENSG0000	0.466996	1.832572	2.881879	0.010142	0.029416	-2.83931	1.826927	2.179863	2.351095	3.342644	3.630051	3.523386	2.480375	2.290412	2.643847	1.278001	1.588084	1.413989	2.25569	2.21055	2.18129	1.627702	1.851139	1.703111
PDIA3	ENSG0000	0.482587	9.465237	9.280014	3.60E-08	1.72E-06	8.694416	9.671775	9.700892	9.669133	10.43084	10.28856	10.37578	10.02866	10.07374	10.09935	8.532242	8.530385	8.526685	9.018029	9.095493	9.041562	9.107675	9.086172	9.139211
NUDT21	ENSG0000	0.906108	7.218175	13.88919	7.06E-11	1.55E-08	15.17793	6.299965	6.384795	6.395953	6.90874	6.940877	6.988027	7.467464	7.555694	7.529277	7.096779	7.108922	7.146176	7.612313	7.631101	7.611632	7.82022	7.770966	7.849156
NKX3-1	ENSG0000	-0.44566	3.837478	-4.27785	0.000481	0.002613	-0.4887	4.226185	3.99909	4.050156	3.21869	3.207016	3.419122	3.388228	3.40015	3.162566	4.839091	4.827642	4.753161	3.768	3.453829	3.707028	4.54867	4.559742	4.510131
SGSM1	ENSG0000	0.143709	-0.0562	0.520905	0.60897	0.711064	-5.81465	1.602421	1.708084	1.744977	1.519216	1.437317	1.250575	1.917967	2.147141	1.777424	0.88529	0.462741	0.54756	0.352262	0.7293	0.651457	0.393424	0.637375	0.580851
DUSP18	ENSG0000	-0.04507	2.143665	-0.31534	0.756237	0.829374	-6.34043	2.917019	2.674627	2.579475	3.359513	3.093416	3.216292	2.480375	2.777669	2.34318	1.732907	2.155072	1.780195	2.439743	2.269709	2.574402	1.970607	1.851139	2.174206
TEF	ENSG0000	0.248684	3.491343	2.951261	0.008741	0.026134	-3.26133	2.780548	2.49222	2.830836	3.123142	3.188693	3.136338	3.094248	3.214961	2.82232	4.20268	4.23323	4.32118	4.126992	4.303069	4.223448	4.485232	4.414575	4.416967
PBX3	ENSG0000	0.204296	4.210942	2.343422	0.031162	0.07138	-4.56851	3.792713	3.872022	3.688245	4.152252	4.284653	4.053927	3.66196	3.999201	4.042563	4.592639	4.517806	4.635187	4.454245	4.569504	4.512148	4.793224	4.769683	4.865793
PHB	ENSG0000	-0.17307	7.89736	-4.27018	0.000489	0.002646	-0.98728	8.340768	8.294247	8.333565	7.831478	7.962448	7.874486	8.129569	8.039901	8.079182	7.855835	7.74814	7.856353	7.634621	7.575526	7.570501	7.74136	7.691551	7.707074
SNRPD1	ENSG0000	-0.27884	6.459927	-3.54801	0.002386	0.009333	-2.45654	7.03466	7.055514	6.951481	5.988204	6.031362	6.038106	6.489704	6.649488	6.711201	6.549478	6.578646	6.655912	6.140739	6.232939	6.194185	6.437198	6.453147	6.397688
PIP5KL1	ENSG0000	0.06449	2.234422	0.429899	0.672522	0.764159	-6.4887	1.959273	1.670392	2.221741	2.291228	2.660129	1.993763	1.160105	1.760835	1.962896	2.790717	2.980302	2.796562	3.640803	3.544454	3.494191	3.171932	2.947209	3.050576
TMEM92	ENSG0000	0.919541	1.521866	4.042199	0.000805	0.003933	-0.54199	1.430644	2.009193	1.706811	1.256461	1.437317	1.188496	1.917967	2.147141	1.873138	1.676063	1.752042	1.759838	2.902055	2.50126	2.433049	2.448672	2.711397	2.81313
FAM102A	ENSG0000	-0.58871	6.582789	-6.92234	2.12E-06	3.93E-05	4.650735	6.78444	6.843256	6.831347	6.257092	6.274449	6.27683	5.872748	5.859858	5.809985	7.151884	7.005728	7.118463	6.83411	6.735195	6.751531	6.780427	6.820157	6.773159
ACSF2	ENSG0000	0.120851	3.861428	0.889183	0.385979	0.507853	-6.64354	3.011517	2.90305	2.99819	3.083078	2.970101	3.119801	3.027514	3.122225	3.044176	4.391063	4.532919	4.494431	5.74987	5.764345	5.706532	4.55958	4.648991	4.602629
GOLGA2	ENSG0000	0.199021	6.336584	3.205996	0.00504	0.016979	-3.15974	5.779563	5.82919	5.918779	6.578559	6.660839	6.609997	6.161755	6.191911	6.265158	6.294879	6.384029	6.358792	6.71903	6.704257	6.701035	6.409322	6.355279	6.473133
TRUB2	ENSG0000	-0.06019	6.382682	-0.92662	0.366744	0.488607	-6.98997	6.303082	6.276063	6.24932	6.112826	6.230343	6.148201	6.369117	6.239047	6.325625	6.567171	6.465052	6.547268	6.729941	6.691694	6.747389	6.353992	6.40737	6.447035
COQ4	ENSG0000	-0.1056	5.452066	-2.27463	0.035789	0.079584	-4.91462	5.217507	5.272573	5.316288	5.384166	5.454395	5.253794	5.032629	5.078784	5.207006	5.671517	5.625972	5.804535	5.853284	5.826412	5.849389	5.694092	5.6177	5.593031
SLC27A4	ENSG0000	0.071454	5.724358	0.753747	0.461035	0.58152	-7.06437	5.443372	5.318988	5.3383	5.491368	5.661235	5.605169	5.490461	5.344028	5.216162	6.151081	6.068559	6.198812	5.903542	5.83623	5.726866	6.360246	6.269604	6.132312
URM1	ENSG0000	-0.27481	6.834562	-7.6388	5.69E-07	1.38E-05	5.982546	6.795549	6.840077	6.755086	6.660819	6.763447	6.649416	6.55434	6.405702	6.571941	7.160975	7.094988	7.178648	7.069756	7.03923	7.068748	6.947571	6.848696	6.853786
CERCAM	ENSG0000	0.674899	5.790514	5.197488	6.66E-05	0.000549	1.295617	5.53637	5.507143	5.623372	6.585745	6.749451	6.626187	6.244885	6.065615	6.204348	4.707004	4.669105	4.554757	6.616927	6.554701	6.489229	5.375946	5.336761	5.329918
DOLPP1	ENSG0000	0.822094	4.984418	5.233296	6.17E-05	0.000518	1.405328	3.952119	3.628412	3.783005	4.772209	4.807214	4.979151	5.502797	5.323347	5.220718	5.24783	5.35971	5.322271	5.210117	5.263181	5.210438	5.731559	5.665153	5.671054
ENDOG	ENSG0000	0.042595	4.383398	0.656399	0.520117	0.634582	-6.8235	4.473109	4.691972	4.706239	4.647264	4.733289	4.622128	4.4712	4.519046	4.66091	4.119853	4.181422	4.331562	4.305359	4.367677	4.311352	4.442647	4.304002	4.280507
PRRX2	ENSG0000	0.18725	-0.84735	0.83876	0.412929	0.534765	-5.58232	3.19722	3.182839	3.522358	3.605613	3.878897	3.485165	3.474265	3.214961	3.668646	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
C15orf39	ENSG0000	-0.22476	6.642868	-1.46452	0.160807	0.258216	-6.3978	6.188076	6.234694	6.364121	6.776816	6.85634	6.740116	6.182352	5.962395	5.970082	7.235404	7.166381	7.265592	6.768817	6.572431	6.623624	7.078504	6.918076	6.945926
SP2	ENSG0000	0.081177	4.799309	1.325093	0.202203	0.30769	-6.27741	4.925527	5.05216	4.970641	4.93299	4.795153	4.803913	5.162706	4.960553	5.160337	4.678347	4.665681	4.684621	4.766576	4.80769	4.79173	4.780845	4.769683	4.632189
PRR15L	ENSG0000	-0.05472	-0.31487	-0.57232	0.574396	0.682329	-6.53046	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.45483	3.517242	3.439082	4.512278	4.344933	4.338034	3.366734	3.422593	3.328509
COQ7	ENSG0000	0.053631	4.335162	0.68332	0.503363	0.619601	-6.71198	5.093368	5.188404	5.251481	5.15214	5.1432	5.155812	5.29153	5.348128	5.367637	3.446357	3.682218	3.759253	3.623353	3.703092	3.767168	3.455083	3.595851	3.530388
GPRC5B	ENSG0000	-0.22231	1.249916	-1.35685	0.192097	0.295598	-5.34358	1.959273	1.947501	2.194417	2.21912	2.155834	2.064596	1.70672	1.549165	1.445026	1.457372	1.616737	1.631268	1.755315	1.846087	1.488568	1.65509	1.766644	1.58715
CRK	ENSG0000	0.06978	7.086236	1.822301	0.085565	0.158089	-5.8841	7.657674	7.698163	7.670669	7.342274	7.325407	7.362132	7.821884	7.773353	7.758062	6.649755	6.626102	6.666886	6.491098	6.454151	6.435675	6.666451	6.683765	6.679522
FBXO22	ENSG0000	-0.17976	6.236853	-3.7258	0.001614	0.006827	-2.01989	6.783324	6.877775	6.795426	6.33805	6.375108	6.408603	6.540447	6.558627	6.607167	6.062376	5.955333	6.030584	5.878019	5.826412	5.860167	5.914083	5.946952	5.870258
TBC1D2B	ENSG0000	0.0637	5.168377	1.179743	0.253911	0.368538	-6.6084	4.730936	4.897622	4.686762	4.152252	4.343809	4.241401	4.520565	4.657666	4.700591	6.010153	5.996798	5.93282	5.612171	5.4665	5.507395	6.170447	6.110153	6.118454
HDHD2	ENSG0000	-0.08974	4.923636	-1.2477	0.228599	0.339266	-6.41728	4.659767	4.756352	4.879222	4.845887	4.888929	4.662649	4.950956	4.819999	4.956916	5.138995	5.265591	5.176304	5.166607	5.246098	5.217641	4.942395	5.075063	4.853297
ZNF91	ENSG0000	0.015559	1.910997	0.17118	0.866048	0.909951	-6.94593	0.667115	1.002471	0.898566	0.52061	0.730585	0.563119	0.886508	0.824004	0.515351	4.417313	4.447768	4.379049	4.931624	4.774033	4.885155	4.515433	4.455636	4.347382
IGF2	ENSG0000	-0.0932	-0.85713	-0.29481	0.77161	0.839896	-6.01029	0.318509	0.316291	0.421314	0.635873	0.389229	0.2349	0.106501	0.387194	0.106501	1.52331	0.986408	1.277453	1.524131	1.495836	1.456457	1.387593	1.406038	1.58715
RNF214	ENSG0000	-0.24788	4.810253	-4.01357	0.000858	0.00413	-1.21822	4.816318	4.495815	4.696533	4.254996	4.335505	4.330328	4.339849	4.316298	4.339245	5.319175	5.34694	5.399966	5.370368	5.399654	5.290032	5.144327	5.193075	5.1812
CDK12	ENSG0000	0.02757	7.38288	0.788497	0.44097	0.561895	-7.2037	7.503616	7.52221	7.545831	7.395385	7.368776	7.458163	7.626231	7.65006	7.632899	7.411139	7.350914	7.306079	7.116758	7.115118	7.140609	7.297987	7.279969	7.331773
DUS2	ENSG0000	-0.60005	4.865282	-5.36106	4.72E-05	0.000422	1.723873	5.895619	5.912273	5.826129	4.555081	4.795153	4.707606	4.845133	4.825892	5.057123	4.936085	4.899366	5.005268	4.287006	4.372183	4.440084	4.717304	4.617172	4.832225
POP5	ENSG0000	0.239566	4.688022	4.006312	0.000871	0.004181	-1.16711	4.10996	4.360345	4.332993	4.851861	4.905853	4.997371	4.6145	4.722281	4.549426	4.652797	4.692848	4.748003	5.182581	5.076992	5.103047	4.891489	4.826442	4.806527
ENGASE	ENSG0000	0.221975	4.629472	2.462635	0.024441	0.058952	-4.46292	3.349713	3.222448	3.359697	4.325376	4.392653	4.233737	3.80164	3.506713	3.844255	5.422146	5.579421	5.416316	5.79343	5.766058	5.787815	5.55381	5.657352	5.65194
ATP5MG	ENSG0000	0.011774	7.074849	0.259121	0.798569	0.860303	-7.46483	7.129899	7.09961	6.999632	7.047933	7.023321	7.112348	7.172906	7.288631	7.224726	7.168078	7.108291	7.107428	6.988605	6.997549	7.037208	7.038118	6.993597	7.008313
TBC1D16	ENSG0000	0.317854	6.056732	2.929017	0.009169	0.027132	-3.7342	4.620325	4.50655	4.55869	5.740289	5.899563	5.702775	5.167879	4.976535	5.010523	6.841273	6.908408	6.809266	7.21856	7.162062	7.174315	7.11471	7.115332	7.008313
TEPSIN	ENSG0000	0.165734	4.415662	1.705654	0.105779	0.186693	-5.64372	4.375799	4.342481	4.441562	4.654117	4.668652	4.393601	4.420085	4.474723	4.444269	4.146251	4.152359	4.201752	5.016508	4.811013	5.000996	4.469892	4.367537	4.347382
MYO5B	ENSG0000	-0.30565	5.049024	-2.18726	0.042582	0.091451	-5.11349	4.265068	4.150501	4.249168	3.123142	3.207016	2.961768	3.219115	3.318907	2.937508	6.723489	6.676308	6.673703	7.023944	7.016382	7.078671	6.572622	6.616959	6.520007
ACAA2	ENSG0000	0.043997	4.339993	0.509299	0.616913	0.717867	-6.73125	5.970071	5.898074	5.957896	5.839819	5.719831	5.90932	6.108939	5.996758	6.031013	3.196464	3.166245	3.203153	2.694919	2.596763	2.743612	3.063688	2.95995	3.162857
STIM1	ENSG0000	-0.28853	5.451946	-3.86698	0.001183	0.005353	-1.61343	5.5935	5.557053	5.41428	5.375899	5.317749	5.30589	4.974767	5.07384	5.102264	5.632834	5.592102	5.622036	5.916734	5.940035	5.940717	5.467617	5.549795	5.374327
RRM1	ENSG0000	-0.19362	6.120656	-1.32244	0.203067	0.308865	-6.52482	6.830535	6.8891	6.753917	6.120268	6.187154	6.16038	6.610516	6.814177	6.69	6.453384	6.394409	6.441801	4.555854	4.588991	4.663983	6.127097	6.225439	6.116712
TRIM68	ENSG0000	-0.0911	3.139208	-0.95426	0.352967	0.474319	-6.2156	3.633432	3.732673	3.947516	3.827958	3.832443	3.689474	3.719464	3.685883	3.681923	2.843296	2.865607	2.911754	2.760241	2.985883	3.010124	2.625227	2.696248	3.107809
FN3K	ENSG0000	0.048597	3.848665	0.612115	0.548343	0.65902	-6.74874	3.944154	3.99909	3.987862	3.791129	4.040879	4.009735	3.733489	3.913244	4.063004	3.87036	3.860515	4.059098	4.068019	3.846002	3.713835	4.042177	4.059571	4.080593
IRGQ	ENSG0000	-0.3632	5.329055	-6.3699	6.13E-06	8.76E-05	3.732995	5.575566	5.627592	5.790077	5.472108	5.539998	5.435149	5.193472	5.281075	5.092354	5.389369	5.419887	5.38509	5.394571	5.280064	5.290032	5.215041	5.006099	5.201061
ZNF226	ENSG0000	0.009019	4.331617	0.108269	0.915016	0.943606	-7.08804	4.226185	4.14364	4.195052	4.236852	3.832443	4.018682	3.953155	3.946081	4.08316	4.600298	4.616873	4.557708	4.91976	4.919664	4.920894	4.537676	4.829917	4.771534
ZNF180	ENSG0000	1.244508	3.311216	9.744202	1.75E-08	9.92E-07	9.806822	2.345296	2.448351	2.351095	3.57705	3.643567	3.523386	3.953155	3.711575	3.437684	3.17611	3.381904	3.180357	3.60569	3.606961	3.727354	4.280646	4.140146	4.341429
ZNF668	ENSG0000	-0.23797	4.244518	-2.80472	0.011953	0.033547	-3.60907	4.630287	4.663476	4.844488	4.392481	4.668652	4.34463	4.520565	4.166444	4.45204	4.071084	4.195737	4.300188	4.218931	4.034047	4.139984	4.222335	3.992947	3.945834
ZNF646	ENSG0000	-0.36126	5.205388	-5.63287	2.69E-05	0.00027	2.227931	5.304069	5.188404	5.3383	5.236746	4.950037	4.979151	4.80585	4.670823	4.732845	5.493793	5.56479	5.587799	5.631211	5.423729	5.570637	5.351042	5.322033	5.277879
VKORC1	ENSG0000	0.400068	2.889603	2.746965	0.013509	0.03701	-3.33285	3.530804	3.439663	3.466347	4.227693	3.99943	4.194794	3.66196	3.773871	3.957772	2.320032	2.320972	2.198406	2.28558	2.21055	2.399663	2.568742	2.868308	2.48622
SMG8	ENSG0000	-0.36514	5.773821	-4.47333	0.000314	0.001862	-0.36771	6.282699	6.206989	6.262537	4.851861	5.003429	4.992837	5.801308	5.851216	5.703339	6.326388	6.186741	6.258977	5.558094	5.59927	5.594809	5.971038	5.906389	6.083215
TPM4	ENSG0000	0.187487	9.297747	2.937795	0.008998	0.026704	-3.95623	9.60767	9.602689	9.5827	9.276884	9.314433	9.301509	9.647196	9.630004	9.684631	8.914649	8.866604	8.96171	9.067121	9.117298	9.137402	9.239321	9.231336	9.219708
RAB8A	ENSG0000	0.189299	5.854528	4.449702	0.00033	0.001937	-0.40133	5.895619	5.887846	5.884996	5.92161	5.910785	5.699996	6.111626	6.030322	5.956488	5.785068	5.727989	5.818136	5.75121	5.731404	5.738596	6.031066	6.027836	5.932963
GPX4	ENSG0000	-0.04355	7.945558	-0.77369	0.449452	0.569921	-7.25836	7.785201	7.773428	7.893034	7.968361	8.219263	7.940122	7.878992	7.806514	7.929975	8.034983	7.947757	8.141666	8.042789	8.023321	8.015529	7.986774	7.907536	7.833866
MIDN	ENSG0000	0.025531	7.068751	0.234481	0.817336	0.874827	-7.46808	7.063438	7.050938	7.107019	7.373752	7.395984	7.325645	7.229669	7.048944	7.257245	7.054197	7.108922	7.246973	6.619129	6.647769	6.661969	7.200861	7.071243	6.976016
KLHL26	ENSG0000	0.496783	4.078065	3.252033	0.004559	0.015637	-2.54643	4.740165	4.446492	4.734969	5.329563	5.651233	5.373711	5.238424	5.348128	5.404147	3.196464	3.146729	3.400153	3.236398	3.120528	3.137101	3.39949	3.287607	3.149291
GATAD2A	ENSG0000	-0.18721	6.633007	-3.05995	0.006917	0.021735	-3.51962	6.787781	6.649821	6.770202	6.206709	6.310908	6.178459	6.402418	6.403733	6.373466	6.854942	6.855293	6.983424	6.861035	6.742175	6.767977	6.853177	6.843549	6.822074
MVD	ENSG0000	0.006018	4.407799	0.074931	0.941121	0.96206	-7.07931	4.345883	4.452056	4.44736	4.254996	4.392653	4.337497	4.637058	4.397684	4.45204	4.391063	4.439772	4.629588	4.818614	4.54975	4.684921	4.54867	4.460128	4.341429
CDT1	ENSG0000	0.075258	4.753635	0.374221	0.712741	0.796184	-7.15459	5.282121	5.309824	5.47515	4.43289	4.70778	4.233737	5.233498	5.078784	5.424038	5.274401	5.307937	5.504604	3.116795	2.863205	2.833866	5.655626	5.629711	5.483771
TRAPPC2L	ENSG0000	-0.09775	5.29045	-1.37237	0.187304	0.289723	-6.32991	4.945613	5.011285	5.197454	5.26388	5.36339	5.313181	5.071794	5.093515	5.112107	5.598832	5.5776	5.726697	5.455005	5.379652	5.473701	5.440329	5.465192	5.423057
ANKRD11	ENSG0000	-0.03179	7.411696	-0.38972	0.701455	0.787206	-7.44197	8.010247	7.979636	8.077737	7.332696	7.401961	7.390843	7.972133	7.924493	8.009143	7.04721	7.102605	7.090207	7.066532	6.978466	6.97198	7.084811	7.102461	7.031608
SPATA33	ENSG0000	-0.07836	3.648233	-0.86947	0.396374	0.517941	-6.48824	3.454357	3.846899	3.773804	3.944346	4.081169	3.807755	3.761137	3.535768	3.468658	3.716784	3.907656	3.804677	3.714069	3.779712	3.86826	3.678389	3.842828	3.753014
RSKR	ENSG0000	-0.13497	2.115807	-0.58676	0.564869	0.674669	-6.32545	1.959273	1.915637	1.954926	2.577385	2.737798	3.051692	1.966276	1.945386	1.564539	2.894025	3.076267	2.546206	2.529911	2.398985	2.647333	2.479639	2.799093	2.896697
PROCA1	ENSG0000	0.368794	0.141081	1.088704	0.291069	0.409451	-5.38564	1.602421	1.551021	1.921989	2.255624	2.264801	2.22781	1.917967	2.069791	2.274723	0.834246	0.748206	0.34382	0.294634	0.612281	0.593579	0.393424	0.759002	0.580851
RPL13	ENSG0000	-0.01944	9.870414	-0.46564	0.64722	0.744376	-7.57344	10.03414	10.0852	10.12747	10.07593	10.1768	9.961997	9.977649	9.968621	10.03079	9.581948	9.635654	9.676201	9.710554	9.816003	9.800017	9.738309	9.685545	9.613606
ZNF641	ENSG0000	0.511034	1.739318	1.874545	0.077669	0.146989	-4.57819	3.408783	3.450822	3.443319	3.827958	3.844198	4.036412	4.011872	3.868266	3.655245	0.54782	0.799097	0.499259	1.548989	1.681564	1.550722	0.789161	0.816175	1.115245

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RNF187	ENSG0000	0.191974	7.335494	2.452359	0.024962	0.059944	-4.77824	7.563332	7.596945	7.593021	7.723226	7.846703	7.764427	7.84629	7.718181	7.907544	6.674452	6.651423	6.801195	7.403282	7.259529	7.301776	6.894698	6.841829	6.825277
HOOK3	ENSG0000	0.259644	4.784691	2.550438	0.02039	0.051112	-4.26023	4.029438	4.17089	4.255791	5.137544	4.836932	5.041937	4.681143	4.877874	4.633836	4.960093	5.05665	4.881185	5.162586	5.250999	5.097852	4.980783	4.943327	5.11295
MAPK1IP1	ENSG0000	-0.18377	7.709263	-5.06623	8.78E-05	0.000686	0.769281	8.06911	8.075128	8.036017	8.041399	7.973193	7.994423	7.981712	7.901657	7.997242	7.622388	7.528702	7.57689	7.414739	7.372353	7.375539	7.281606	7.299522	7.356335
DDIT4	ENSG0000	0.332417	6.995467	2.383463	0.028732	0.066945	-4.66661	9.552747	9.634082	9.592218	9.668208	9.679276	9.592463	9.643951	9.651111	9.689364	3.744695	4.013804	3.928397	4.515435	4.398927	4.440084	4.983487	4.933671	4.950363
RBPJ	ENSG0000	0.451706	6.666623	6.46071	5.13E-06	7.60E-05	3.752844	6.455142	6.519415	6.419743	6.932892	6.81811	6.96391	7.117833	7.194975	7.175119	6.281841	6.406768	6.32455	6.645301	6.64125	6.706165	6.577998	6.514889	6.571775
LMBRD1	ENSG0000	0.559487	5.006146	5.133875	7.61E-05	0.000612	1.260844	4.538049	4.457599	4.288462	5.743505	5.465853	5.727543	5.473848	5.25073	5.346947	4.497421	4.620414	4.463295	5.562678	5.61266	5.657942	4.687772	4.857415	4.735671
ZCCHC4	ENSG0000	-0.16155	4.191086	-2.23853	0.038464	0.084259	-4.70386	4.888652	4.852052	4.725456	4.062381	4.204846	4.249025	4.80585	4.722281	4.895553	4.222665	4.152359	4.24267	3.708564	3.752319	3.693316	3.97313	3.910024	3.87342
TTC39C	ENSG0000	0.250755	4.04517	3.086877	0.006526	0.020799	-2.807	5.082524	5.158086	5.183625	6.120268	6.239272	6.204178	5.29153	5.450851	5.431918	2.510897	2.546219	2.369387	3.074617	3.338827	3.361763	2.666185	2.552239	2.724423
GLYCTK	ENSG0000	0.081051	1.598922	0.63192	0.535618	0.648084	-6.19371	1.959273	1.708084	1.987129	1.791994	1.718467	1.799787	2.01302	2.389238	2.309357	2.204194	2.193623	2.409144	1.776519	1.993753	1.851631	2.154563	2.101639	2.14716
GNG4	ENSG0000	1.262957	2.678528	7.822024	4.11E-07	1.06E-05	6.706277	2.320899	2.61635	2.514675	4.082842	4.13	4.045196	4.111894	3.833587	3.69508	1.964162	2.095243	1.73919	2.661114	2.770668	2.497588	2.448672	2.696248	2.507643
UBTD2	ENSG0000	0.115178	4.858446	2.11814	0.048775	0.101714	-5.09066	4.595114	4.429669	4.307715	4.772209	4.877535	4.849758	4.528631	4.547856	4.640652	4.948139	5.110531	5.079012	5.384248	5.357098	5.501506	5.146741	5.057388	5.252725
POLR2J3	ENSG0000	-0.19424	2.399903	-1.42938	0.170526	0.270016	-5.64213	1.959273	1.915637	2.166567	2.181668	2.193078	2.098749	1.966276	2.540248	2.530983	3.246125	3.398501	3.210672	3.181815	3.536446	3.370406	2.831347	3.034117	2.84714
NKIRAS2	ENSG0000	-0.45905	6.601038	-8.28093	1.86E-07	5.78E-06	7.153162	6.833772	6.794813	6.913236	6.283849	6.323559	6.335295	6.502046	6.349536	6.338259	6.950162	6.929975	6.918904	6.762852	6.739561	6.675109	6.49707	6.45989	6.489376
DNAJC7	ENSG0000	-0.11856	7.028218	-3.3317	0.003832	0.013615	-2.9708	7.350832	7.388588	7.321895	6.996285	6.944977	6.986888	7.172906	7.167391	7.177464	7.06669	6.954735	7.04097	6.782638	6.726423	6.74573	6.943412	6.909892	7.037143
IRF2BP2	ENSG0000	-0.0785	6.946727	-1.50395	0.15045	0.245263	-6.3652	6.630407	6.712594	6.778276	7.102813	7.060324	7.081724	6.732502	6.567448	6.627897	7.07839	7.127086	7.119462	7.25867	7.127165	7.207251	7.023744	7.05129	6.973132
NT5DC2	ENSG0000	0.207958	5.920852	3.023343	0.007486	0.023048	-3.46232	6.247534	6.274494	6.286995	6.538381	6.603208	6.557242	6.499996	6.444522	6.541308	5.42646	5.393221	5.470561	5.377325	5.347976	5.227188	5.705599	5.595419	5.507891
SMIM4	ENSG0000	-0.31521	3.791513	-2.3716	0.029433	0.068187	-4.33392	4.25866	4.15733	4.542529	3.887325	4.071202	3.828257	3.988671	3.833587	4.189248	3.637124	3.682218	3.769472	3.899458	4.045377	4.098971	3.538334	3.494411	3.241681
COA6	ENSG0000	0.077061	5.945855	0.95122	0.354463	0.47579	-6.84503	7.050513	6.986256	6.921591	6.477868	6.478657	6.453835	7.209741	7.258446	7.150258	5.172773	5.125563	5.285361	4.912595	4.941053	4.912042	5.102661	5.104049	5.011626
KIF5C	ENSG0000	-0.14829	1.040967	-0.77218	0.450323	0.570752	-6.08402	1.069823	0.940485	1.088647	1.578054	1.307481	1.123626	0.548589	0.726566	0.629397	2.574485	2.618839	2.369387	2.399306	2.381211	2.312654	2.652661	2.37332	2.706008
MGAT2	ENSG0000	0.564011	5.588116	5.140838	7.50E-05	0.000606	1.151587	5.082524	5.256764	5.130553	6.023033	6.130685	6.09843	5.940817	5.842522	5.956488	5.367097	5.270107	5.456399	5.414998	5.468605	5.497567	5.75548	5.737233	5.724636
BMI1	ENSG0000	0.114247	4.90574	2.033844	0.057435	0.11569	-5.17622	5.476884	5.559632	5.576519	5.558653	5.383668	5.458352	5.67619	5.689327	5.673738	4.430262	4.260723	4.246333	4.414217	4.390067	4.342433	4.357681	4.451131	4.323421
THAP11	ENSG0000	0.319801	6.029304	5.338321	4.95E-05	0.000438	1.492817	5.675165	5.765816	5.785507	6.064776	6.013255	6.075031	6.264336	6.187341	6.079477	6.049846	5.983108	6.138988	6.05331	5.984858	5.993421	6.358164	6.279802	6.18645
MMADHC	ENSG0000	-0.16068	7.302121	-2.55011	0.020404	0.051129	-4.60457	7.777377	7.832216	7.717009	7.245768	7.17413	7.185683	7.619638	7.724504	7.702142	7.27721	7.168802	7.246516	6.929487	6.981418	6.998705	6.992548	6.966231	7.072613
PDHB	ENSG0000	0.039819	6.366388	0.930242	0.364917	0.486794	-6.98314	6.237793	6.224976	6.149702	6.307949	6.256968	6.300868	6.325801	6.357695	6.365259	6.494033	6.409841	6.505849	6.491899	6.638447	6.569296	6.413338	6.439566	6.430305
PXK	ENSG0000	1.11628	3.590308	7.8315	4.04E-07	1.05E-05	6.725862	2.744313	2.836538	2.865896	4.495279	3.967543	4.330328	4.302704	4.405576	4.093134	3.216534	3.339557	3.117748	3.799417	3.946112	3.805912	3.928936	3.910024	3.840032
PCMTD1	ENSG0000	-0.70655	4.850234	-8.74363	8.55E-08	3.27E-06	8.163601	4.688657	4.691972	4.662041	5.400559	5.379635	5.359696	4.330652	4.273815	4.482711	5.109782	5.167323	5.121514	5.628298	5.627813	5.654408	4.180538	4.178806	4.341429
KCTD6	ENSG0000	0.105625	3.746293	1.484506	0.155486	0.251487	-5.83097	3.952119	3.829904	3.995797	3.647423	3.855857	3.828257	4.011872	4.138304	4.243986	3.737768	3.805572	3.955502	3.691919	3.495729	3.615478	3.877544	3.757829	3.937965
MPLKIP	ENSG0000	-0.44657	5.117301	-4.65413	0.000212	0.001359	0.144723	5.49062	5.485601	5.544416	4.720913	4.70778	4.586466	4.799197	4.928048	4.825493	5.309864	5.485444	5.580563	5.315286	5.32724	5.248442	5.28245	5.190374	5.063177
ACOX2	ENSG0000	0.117706	2.636065	0.650461	0.523854	0.637387	-6.44563	4.399293	4.538284	4.363979	2.633943	2.787348	2.481849	4.622059	4.474723	4.72003	3.002038	2.924094	3.026968	0.5125	0.612281	0.812339	3.053433	2.868308	2.928814
IRF2	ENSG0000	0.148983	4.359783	2.766111	0.012973	0.03583	-3.74281	3.86199	4.115866	3.931056	4.440838	4.56592	4.460795	4.057185	4.265167	4.207726	4.430262	4.45968	4.53991	4.92689	4.837324	4.935528	4.574001	4.592839	4.577525
ARF4	ENSG0000	-0.00924	8.225817	-0.26844	0.791507	0.85471	-7.55486	8.193166	8.193626	8.13993	8.120844	8.002992	8.119257	8.179089	8.094623	8.061512	8.303905	8.310965	8.306437	8.361238	8.365683	8.360589	8.373307	8.310216	8.35713
SEPTIN2	ENSG0000	0.405054	8.964307	11.06972	2.53E-09	2.24E-07	11.45101	8.850939	8.928219	8.904329	9.545272	9.478971	9.504037	9.346034	9.420824	9.374208	8.437626	8.44058	8.387248	8.829423	8.878079	8.852474	8.706365	8.734417	8.794142
FILIP1L	ENSG0000	-0.86097	-0.5912	-2.98288	0.008167	0.024719	-2.7384	0.216396	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.763691	2.865607	2.435052	3.90909	3.90938	4.029733	1.992244	1.737342	1.81044
MFSD2A	ENSG0000	0.299079	2.900582	1.412213	0.175445	0.276117	-5.88196	1.927307	1.883052	1.818408	2.325974	2.686486	2.652511	3.027514	2.777669	2.892531	4.299944	4.223947	4.271716	2.949505	3.04352	2.730245	4.32821	4.263465	4.150354
DTYMK	ENSG0000	-0.17178	5.53534	-1.88771	0.075784	0.14413	-5.63215	5.82147	5.848305	5.810467	5.199754	5.221894	5.059385	5.847177	5.830848	5.889394	6.137986	6.025131	6.149784	4.627624	4.718494	4.76248	5.797564	5.766537	5.731481
TAP1	ENSG0000	0.277483	6.574866	4.241536	0.00052	0.002785	-0.95703	6.482897	6.468163	6.535866	6.216001	6.319354	6.217839	6.55434	6.434915	6.534004	6.637711	6.578646	6.698649	6.52673	6.498105	6.569296	7.138555	7.11034	7.110736
ING5	ENSG0000	-0.09911	5.239349	-1.89748	0.07441	0.14199	-5.54084	5.465799	5.398948	5.347631	5.1079	5.171467	5.179942	5.228555	5.331655	5.197793	5.36934	5.397356	5.45798	5.045184	4.979952	5.267074	5.304237	5.356168	5.406045
ATG4B	ENSG0000	-0.15495	6.213901	-1.75653	0.096503	0.173855	-5.91532	6.467698	6.423545	6.519445	5.830775	5.927456	5.904501	6.389189	6.291095	6.319266	6.25055	6.277022	6.338345	6.35588	6.190196	6.334405	6.175184	6.110153	6.107972
BDKRB2	ENSG0000	0.483966	-0.94051	1.055364	0.30563	0.424898	-5.3314	1.791852	1.978677	1.921989	2.766336	2.460774	2.784269	2.226405	2.184314	2.471058	0.269074	0.106501	0.230035	0.106501	0.190544	0.106501	0.257084	0.2791	0.106501
MLKL	ENSG0000	0.106346	4.128692	1.006837	0.32775	0.447697	-6.46303	4.842264	4.765319	4.866295	4.54774	4.529983	4.440963	4.883375	4.753535	4.732845	3.914031	3.695711	3.986493	3.213258	3.263212	3.186878	4.345124	3.967936	4.014786
RFWD3	ENSG0000	0.027258	6.411001	0.289842	0.775347	0.842548	-7.41441	6.330838	6.252341	6.232628	5.878371	5.888253	6.094204	6.042896	6.126568	6.19743	6.963584	6.972165	6.932609	6.164057	6.135585	6.205097	7.152435	6.991271	7.164833
RHOH	ENSG0000	-0.08127	0.439878	-0.29844	0.768888	0.83783	-5.93811	5.899743	5.846194	5.837213	4.654117	4.485643	4.745826	5.882222	5.727605	5.633301	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.19538	0.106501
COG7	ENSG0000	-0.04937	5.547077	-0.4377	0.666968	0.760578	-7.16432	6.160843	6.224976	6.203801	5.842822	5.859584	5.817452	6.042896	6.073067	6.028417	4.874259	4.997958	5.005268	5.451713	5.404061	5.384788	4.980783	5.112633	4.985143
CDC40	ENSG0000	-0.1033	4.733318	-1.31246	0.206341	0.312684	-6.29908	4.679091	4.738249	4.817878	4.562385	4.515354	4.55606	4.536652	4.928048	4.962367	4.968993	4.899366	4.950186	4.902986	5.029288	4.944238	4.697684	4.740443	4.7671
STIP1	ENSG0000	0.065159	8.933251	1.21173	0.241744	0.354234	-6.90589	8.567669	8.591038	8.559514	8.571305	8.592047	8.568242	8.712682	8.579734	8.604785	9.409328	9.338394	9.358306	9.062408	9.010431	9.018379	9.449684	9.401959	9.459129
HR	ENSG0000	0.521229	4.880031	1.789798	0.090827	0.165471	-5.48746	4.888652	4.747329	5.018167	6.779953	6.981358	6.799727	6.034424	5.740142	5.978177	4.13047	4.166964	4.209279	4.097807	4.11155	4.14503	3.617041	3.916575	3.631427
RAB31	ENSG0000	0.874281	6.646313	6.203694	8.50E-06	0.000114	3.349004	7.884267	7.892799	7.799794	8.2981	8.131456	8.213837	8.908898	8.972331	8.928877	4.581075	4.627471	4.569452	5.396285	5.361637	5.348066	5.080106	5.030462	5.091828
REEP4	ENSG0000	-0.02877	5.16767	-0.33453	0.741958	0.81844	-7.19773	5.082524	5.077581	5.045184	5.227586	5.14795	5.110498	5.157514	4.997573	5.146036	5.47933	5.461948	5.586355	4.938696	5.032138	4.975731	5.450134	5.435851	5.408895
TNXB	ENSG0000	-0.87883	0.94527	-4.18159	0.000593	0.003083	-0.15188	2.27083	2.308123	2.469799	1.393812	1.612488	1.919272	1.240874	1.491012	1.38134	1.423238	1.467416	1.413989	1.621093	1.393161	1.580823	1.058946	1.289746	1.273688
BMP1	ENSG0000	-0.05781	6.101046	-0.55915	0.583154	0.689106	-7.24109	5.496078	5.39028	5.443586	5.573188	5.806499	5.657664	4.688362	4.843429	4.872576	6.539555	6.581374	6.689934	7.45146	7.353107	7.412099	6.86422	6.774909	6.846449
ATXN2L	ENSG0000	-0.36527	7.923047	-4.35488	0.000406	0.002283	-0.80585	8.735121	8.696471	8.836352	7.603536	7.629565	7.64816	8.299467	8.162561	8.300844	7.878844	7.859101	7.910453	7.455163	7.390236	7.353912	7.634051	7.697269	7.639542
PHYHIP	ENSG0000	-0.41723	0.351018	-1.30239	0.209686	0.316708	-5.25708	2.218961	1.978677	2.018628	1.182548	1.006428	0.984419	1.389995	1.367163	1.50602	0.781331	0.986408	0.884879	1.018891	0.837535	1.550722	1.177011	0.871168	0.805046
POLR3D	ENSG0000	-0.17705	6.351388	-2.71761	0.014373	0.038772	-4.1822	6.188076	6.314753	6.291837	6.396431	6.393224	6.422153	6.341911	6.087856	6.251865	6.616154	6.632255	6.658664	6.374253	6.306589	6.335509	6.355036	6.383925	6.302841
FEN1	ENSG0000	-0.11252	6.55407	-0.67031	0.511418	0.626538	-7.26153	6.279537	6.291664	6.304671	5.529135	5.769991	5.754573	6.184906	6.269636	6.202046	7.849021	7.722828	7.882774	5.79343	5.750567	5.730227	7.668057	7.631597	7.689607
CAVIN2	ENSG0000	0.494713	5.200382	5.117731	7.88E-05	0.000629	1.344417	6.555272	6.495365	6.534505	7.324127	7.350349	7.216145	7.14432	7.138087	7.166879	3.520882	3.381904	3.187996	3.970183	3.878039	3.910354	3.552967	3.32748	3.291935
MTCL1	ENSG0000	-0.22339	5.701365	-1.36392	0.1899	0.29288	-6.28611	7.13865	7.071869	7.323472	6.631604	6.768082	6.789308	6.600985	6.711283	6.693282	4.359822	4.256177	4.303708	4.96664	5.01783	4.981384	4.602417	4.482376	4.617485
GBX2	ENSG0000	-0.73574	0.987302	-3.07519	0.006693	0.021213	-2.42927	2.392887	2.55562	2.558197	1.256461	1.953662	1.575618	2.01302	2.108984	1.727075	1.940223	2.074736	2.055402	0.5125	0.550009	0.707101	1.809319	1.2488	1.370407
HEXIM2	ENSG0000	-0.1187	2.51665	-0.84764	0.408098	0.530099	-6.16184	3.498536	3.196163	3.204003	3.083078	3.441741	3.119801	2.884002	3.196885	2.981126	2.558849	2.249583	2.396013	2.193986	2.451029	2.036756	2.583072	2.585506	2.200755
FNTA	ENSG0000	0.18589	6.040494	2.745488	0.013552	0.03709	-4.11489	5.544295	5.523092	5.469462	5.259393	5.279302	5.363212	5.597858	5.599299	5.703339	6.477494	6.556631	6.406224	6.748839	6.711387	6.817011	6.663925	6.707569	6.739602
SERINC2	ENSG0000	0.303808	5.090118	5.344839	4.89E-05	0.000433	1.630109	4.192962	4.275018	4.326715	4.753186	4.900234	4.918297	4.606901	4.482206	4.549426	5.326119	5.267851	5.413061	6.296566	6.1514	6.101192	5.682493	5.643597	5.590523
TRAPPC11	ENSG0000	0.035159	5.79089	0.684607	0.50257	0.618892	-7.06619	5.975942	6.050734	6.036935	6.331652	6.267918	6.415394	6.025902	6.073067	6.1928	5.382723	5.473744	5.399966	5.506677	5.603108	5.761774	5.410507	5.35134	5.472921
COL3A1	ENSG0000	1.224342	1.750063	2.978729	0.00824	0.024914	-2.48362	6.298404	6.178742	6.293448	7.130104	7.123181	7.101862	7.453763	7.465142	7.418625	0.106501	0.106501	0.106501	0.46104	0.345231	0.470356	0.183756	0.106501	0.409347
ING2	ENSG0000	0.407567	3.913678	2.338402	0.03148	0.071923	-4.50234	3.288121	3.59862	3.39613	4.290615	3.99943	4.130213	3.941119	4.060466	3.935772	4.242376	4.382523	4.286022	3.557503	3.793216	3.629946	4.545014	4.625193	4.536426
CDKN2AIP	ENSG0000	0.405257	4.735166	6.765935	2.85E-06	4.88E-05	4.591822	4.702888	4.538284	4.600923	4.87551	4.764552	4.894191	5.104539	5.219733	5.160337	4.505601	4.525382	4.681918	4.753268	4.627193	4.749288	4.817667	4.850589	4.86164
SNRNP48	ENSG0000	0.234018	4.20301	2.046483	0.056053	0.113453	-5.08805	4.102823	4.150501	3.947516	3.955484	4.040879	4.330328	4.651903	4.825892	4.626988	4.421642	4.494836	4.554757	3.804587	3.915568	4.040604	4.454386	4.473517	4.311289
TMEM223	ENSG0000	-0.12262	4.625838	-1.65676	0.115409	0.199778	-5.85296	4.029438	3.96057	4.034833	3.977507	4.186495	3.9455	3.761137	3.736817	3.655245	5.198228	5.39529	5.577658	5.580873	5.76263	5.682442	5.436388	5.370553	5.201061
SLC20A2	ENSG0000	-0.24116	6.353854	-3.12565	0.006001	0.019517	-3.36789	5.263039	5.102561	5.064177	5.122798	5.157403	5.127141	4.932837	4.987092	4.934903	7.582347	7.559931	7.578343	8.143645	8.130603	8.153989	7.352853	7.33541	7.309074
TMUB2	ENSG0000	-0.00389	5.341997	-0.06197	0.95129	0.968568	-7.23603	5.633672	5.480165	5.536278	5.691159	5.60362	5.762585	5.665257	5.619796	5.683673	5.093595	4.978771	5.099408	5.389419	5.347976	5.3633	4.928434	4.962447	4.985143
STAT3	ENSG0000	-0.35124	7.48393	-5.40886	4.27E-05	0.000393	1.538521	8.066819	8.106339	8.132301	8.328941	8.366619	8.326211	7.530072	7.466086	7.559265	6.893632	6.919232	6.862742	7.285728	7.33994	7.32586	6.79435	6.813152	6.755359
ZSWIM1	ENSG0000	-0.18262	3.882042	-2.5678	0.019668	0.04967	-4.0947	3.623492	3.516026	3.607684	3.54791	3.517104	3.292047	3.19904	2.916694	3.181386	4.58494	4.591835	4.560653	4.690417	4.697103	4.72927	4.522885	4.596923	4.439435
ADAM9	ENSG0000	0.179579	9.068693	1.38935	0.182174	0.283923	-6.66671	8.899887	8.967843	8.860184	9.803035	9.721909	9.809233	9.234578	9.270127	9.276937	8.897852	8.854625	8.880659	8.714468	8.695966	8.744008	8.888304	8.864619	8.903743
AXIN2	ENSG0000	1.506831	0.85964	2.759008	0.01317	0.036233	-2.98851	0.216396	0.8079	0.898566	2.633943	2.787348	2.605775	1.588238	1.710758	1.50602	1.616888	1.369793	1.360915	1.621093	1.077171	1.355599	2.135245	1.878239	2.174206
NDUFS5	ENSG0000	-0.20156	7.163296	-3.43646	0.003047	0.011364	-2.74825	7.622547	7.683455	7.555259	7.221752	7.214311	7.325645	7.376546	7.351262	7.417633	6.938126	7.029232	6.962422	7.005541	6.971801	7.004269	6.790496	6.819283	6.84013
ZNF30	ENSG0000	0.998888	2.602643	6.783056	2.76E-06	4.80E-05	4.877492	2.080492	1.465573	2.109199	2.840308	2.460774	2.652511	3.115825	3.160038	3.271973	2.856146	2.792142	2.86487	3.236398	3.141796	2.930541	3.508614	3.413359	3.398988
LRATD2	ENSG0000	-0.56287	6.365439	-13.1343	1.73E-10	2.97E-08	14.29053	5.575566	5.501788	5.565897	5.072529	5.07001	4.992837	4.7858	4.883536	4.789145	7.995962	7.971523	8.013997	7.395165	7.494146	7.420966	7.510637	7.499297	7.49954
SLC16A4	ENSG0000	0.927557	3.319044	4.706605	0.000189	0.001252	0.897898	8.032955	8.109424	8.086124	9.11464	8.979789	9.07095	8.970147	9.049279	9.004144	0.269074	0.259702	0.34382	0.407676	0.484926	0.404558	0.576451	0.433238	0.214669
IL7R	ENSG0000	-0.80223	4.149242	-6.74928	2.94E-06	5.00E-05	4.473472	3.603403	3.439663	3.533304	1.634586	1.612488	1.956998	2.696258	2.676938	2.376228	6.466013	6.47975	6.374777	5.936886	5.929373	5.890527	5.697389	5.770158	5.644707
TMEM208	ENSG0000	-0.32074	6.263306	-8.77681	8.10E-08	3.16E-06	8.056242	6.860467	6.8187	6.811251	6.681091	6.628918	6.60555	6.532447	6.500862	6.528503	6.106066	5.958134	6.086826	5.967173	5.907809	5.9276	5.753898	5.731671	5.694596
LRP1B	ENSG0000	0.632301	0.030407	2.074087	0.05314	0.108828	-4.02338	2.109269	1.508929	1.667608	3.041869	3.053471	3.152687	2.446718	2.147141	2.239236	0.34397	0.330605	0.230035	0.46104	0.550009	0.651457	0.686723	0.19538	0.315289
AHCYL1	ENSG0000	-0.17025	7.534597	-2.10155	0.050379	0.104265	-5.4633	7.998758	8.028405	7.934395	7.370635	7.30535	7.279863	7.910197	7.934755	7.901171	7.531683	7.485174	7.500732	7.253008	7.309134	7.287587	7.239256	7.264004	7.236351
DNAJC21	ENSG0000	-0.11483	5.904676	-1.95537	0.066721	0.130236	-5.54953	5.979843	6.000355	5.961952	5.667647	5.684306	5.727543	5.736627	5.839612	5.776337	5.981118	6.055536	6.035885	6.141761	6.071917	6.132014	6.019258	5.864653	6.05439
PKIG	ENSG0000	-0.2014	3.647912	-1.83278	0.083927	0.155931	-5.16779	4.645102	4.287521	4.492928	4.740363	4.888929	4.702062	4.215456	4.175703	4.103038	2.966925	3.044983	3.210672	3.125084	3.141796	3.053703	3.083983	2.985098	3.135595
NPNT	ENSG0000	0.524584	0.890745	1.661429	0.114458	0.198276	-5.18543	0.318509	0.215206	0.421314	1.393812	1.2379	1.310092	0.106501	0.622068	0.515351	3.024981	3.023743	3.133657	2.95881	3.141796	3.106389	3.52355	3.659719	3.477085
FAM178B	ENSG0000	0.572493	-0.9724	3.382552	0.003429	0.012465	-1.8865	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	2.356666	2.338281	2.104662	2.162115	2.433888	2.416453	2.539649	2.921385	2.742606
SEMA4C	ENSG0000	-0.06297	5.715922	-0.69434	0.496597	0.613819	-7.12662	5.565217	5.466485	5.618241	4.857809	5.094821	4.946703	5.310366	4.87219	4.99996	6.291335	6.287085	6.34006	6.074867	6.123609	6.132014	6.539021	6.431584	6.485333
CNNM3	ENSG0000	0.178925	4.918626	2.662379	0.016144	0.04251	-4.06891	4.688657	4.604738	4.795321	4.845887	5.124043	4.864722	5.099133	4.944392	4.962367	4.880563	4.976009	5.068705	5.208167	5.029288	5.158989	5.180117	5.060349	4.922721
GSTM4	ENSG0000	0.199909	2.729673	0.819198	0.423704	0.545446	-6.01768	5.004246	5.03743	4.95851	5.097883	5.166794	5.127141	5.277239	5.27247	5.287386	0.834246	1.265082	1.248523	1.548989	1.897007	1.801384	0.884806	1.16325	0.734116
TET2	ENSG0000	0.659181	4.480925	7.727212	4.86E-07	1.23E-05	6.411198	3.623492	3.547555	3.489013	4.517996	4.310303	4.512384	4.606901	4.389749	4.585199	4.438829	4.637993	4.453822	5.27674	5.306201	5.348066	5.03391	5.012228	4.836464
CXXC4	ENSG0000	-0.00539	1.892982	-0.01463	0.988489	0.992671	-6.46976	0.587539	0.940485	1.256574	3.103249	2.811499	2.481849	1.70672	1.809233	1.727075	2.966925	3.295928	2.948194	2.862939	3.098942	2.689384	2.334732	2.585506	2.830235
TCTN2	ENSG0000	-0.12674	3.939493	-1.58526	0.130833	0.220084	-5.63008	4.321496	4.401188	4.307715	4.971905	4.933626	4.761901	4.090259	4.119235	4.112876	3.536933	3.26005	3.439082	4.114557	4.051009	4.029733	3.245848	3.595851	3.432977
SHOX2	ENSG0000	0.365263	1.922286	1.771847	0.093853	0.170026	-4.75266	3.919992	3.983805	3.717332	4.510463	4.628433	4.493254	4.393833	4.397684	4.33084	0.934589	0.986408	1.094478	1.054048	0.784432	0.957066	0.837776	0.759002	0.580851
PPIP5K1	ENSG0000	-0.18815	3.930951	-2.67593	0.015691	0.041563	-3.77333	4.172655	4.12286	4.1812	4.325376	4.462952	4.48682	4.205428	4.080322	4.08316	3.920163	3.992097	3.829308	4.015478	3.946112	3.856005	3.691675	3.612085	3.509302
TSPAN5	ENSG0000	0.224803	4.472009	1.474531	0.158124	0.254992	-6.00114	4.212988	4.12286	4.124423	4.927344	4.675247	4.884435	5.015513	4.894793	4.940438	4.517783	4.558991	4.700729	4.207266	4.420842	4.440084	4.271827	4.395944	4.394143
ABHD15	ENSG0000	0.084422	4.232333	0.79396	0.437866	0.559058	-6.64406	4.456406	4.324392	4.357835	5.1029	4.998178	5.059385	4.393833	4.365678	4.270596	3.666603	3.975599	4.012537	4.126992	4.089828	4.228211	4.166333	4.005291	4.022248
ZBTB5	ENSG0000	-0.20092	4.649735	-3.26367	0.004445	0.015327	-2.8	4.473109	4.34846	4.314076	4.325376	4.515354	4.28655	4.143751	4.019913	3.783962	5.138995	5.167323	5.089246	5.349295	5.377412	5.367623	5.018176	5.039493	5.048636
CHTF8	ENSG0000	0.116793	7.475994	3.169119	0.005461	0.018091	-3.36791	7.293996	7.237292	7.262288	6.998979	6.973352	6.992576	7.291411	7.34512	7.360976	7.731894	7.718703	7.773104	7.722265	7.670506	7.656048	7.907857	7.882659	7.902693
ADAL	ENSG0000	-0.13489	3.773971	-1.5952	0.128591	0.217159	-5.58112	4.905158	4.696667	4.711067	4.392481	4.544465	4.434292	4.512454	4.61746	4.633836	3.196464	3.034402	3.318995	3.213258	3.213858	3.225499	3.143207	3.225651	3.065099
LCMT2	ENSG0000	-0.20697	4.948475	-3.67872	0.00179	0.007402	-1.91001	5.531062	5.567343	5.56856	5.227586	5.296516	5.223158	5.253102	5.219733	5.346947	4.674725	4.712893	4.904554	4.464081	4.420842	4.613913	4.684453	4.695442	4.557121
SNTB2	ENSG0000	-0.07844	4.343152	-0.85474	0.404258	0.525878	-6.73683	4.610293	4.584615	4.662041	4.092964	4.13	4.045196	4.792514	4.583078	4.570996	4.793054	4.933933	4.830842	3.60569	3.599295	3.629946	4.697684	4.70304	4.670683
ZNF507	ENSG0000	-0.03275	5.224819	-0.4907	0.629745	0.729333	-7.15067	5.194191	5.120143	5.152017	4.88719	4.662026	4.997371	5.356409	5.327507	5.021009	5.6347	5.586681	5.46271	5.293386	5.347976	5.345877	5.461813	5.339201	5.575386
STX18	ENSG0000	-0.18418	5.539031	-2.38567	0.028604	0.066733	-4.71196	6.038999	6.03599	6.019525	5.479843	5.266255	5.404757	5.794634	5.80423	5.800886	5.481405	5.363942	5.649959	5.387698	5.336493	5.296849	5.336314	5.405901	5.380146
ZBTB49	ENSG0000	-0.20456	3.10338	-2.0177	0.059245	0.118581	-4.9202	3.071243	3.057038	3.270929	2.714828	2.429905	2.581827	3.050103	2.676938	2.748518	3.77884	3.675424	3.769472	3.799417	3.637228	3.837423	3.52355	3.579432	3.779675
GFM1	ENSG0000	-0.0079	6.736504	-0.15392	0.879433	0.919659	-7.46945	6.432547	6.389152	6.394453	6.352868	6.214581	6.324512	6.570057	6.629411	6.598441	7.189813	7.164563	7.196745	6.969167	7.00119	7.00635	7.013861	7.026522	7.039902
DDX19A	ENSG0000	-0.21139	4.369315	-3.38267	0.003428	0.012465	-2.46723	4.271448	4.366251	4.363979	4.440838	4.204846	4.337497	4.079318	4.212157	4.459769	4.592639	4.735932	4.737631	4.645023	4.634714	4.602954	4.485232	4.343431	4.411295
ATOH8	ENSG0000	0.226402	1.530576	0.822049	0.422122	0.543754	-5.81705	2.021155	1.744817	1.853768	3.815786	4.276	4.10523	2.412257	2.324112	2.616448	1.278001	0.89579	0.807652	2.717023	2.850343	2.782986	0.789161	0.759002	0.580851
ANKRD49	ENSG0000	0.038015	3.99958	0.578609	0.570235	0.679028	-6.86829	3.397161	3.439663	3.454879	3.77864	3.394558	3.744443	3.632324	3.773871	3.641718	4.513734	4.613322	4.542892	4.739835	4.770624	4.769032	4.454386	4.49118	4.577525
USP39	ENSG0000	0.425638	6.075399	7.323631	1.01E-06	2.15E-05	5.470828	5.907956	5.71581	5.780922	6.152084	5.984333	6.140024	6.43067	6.419408	6.329849	5.928855	5.939825	6.074516	6.015908	6.081579	6.064381	6.267911	6.201498	6.321106
TNIP2	ENSG0000	-0.46127	6.145325	-3.44983	0.002959	0.011121	-2.6103	7.040275	7.023171	7.026027	6.085203	6.036494	6.015936	6.215207	6.097632	6.145661	5.954476	5.874589	6.015638	5.969477	5.91709	5.906957	5.932386	5.914593	5.834677
C2orf68	ENSG0000	0.03264	4.942526	0.55925	0.583087	0.68909	-7.08341	3.96004	4.281283	4.1812	4.290615	4.439897	4.337497	4.283766	4.299455	4.05282	5.589243	5.584869	5.629067	6.051137	6.031182	6.061715	5.520693	5.701643	5.654343
TMEM150A	ENSG0000	-0.03438	4.681251	-0.32524	0.748858	0.824073	-7.05828	4.674285	4.574447	4.59048	4.714371	4.917027	4.884435	4.944941	4.511753	4.934903	4.634266	4.54415	4.606974	5.202303	5.068687	5.239034	4.414877	4.414575	4.433851
RNF181	ENSG0000	0.119291	5.772258	2.341062	0.031311	0.071652	-4.83792	5.590951	5.562207	5.683566	5.650615	5.754503	5.719334	5.605504	5.525174	5.609178	5.788424	5.737805	5.762948	6.112876	6.150089	6.175814	6.011333	5.945351	6.006286
VAMP5	ENSG0000	-0.16317	-0.48066	-0.44708	0.660305	0.75546	-6.0819	0.587539	0.106501	0.512639	0.52061	0.106501	0.461789	0.106501	0.387194	0.515351	1.840286	1.616737	1.759838	2.329284	2.06228	2.433049	1.599785	1.613793	1.546329
LRRC28	ENSG0000	-0.37993	3.101509	-3.36672	0.00355	0.012799	-2.16716	3.710582	3.676739	3.678418	3.674639	3.093416	3.510758	3.423261	3.141256	3.236418	3.08079	3.023743	3.254982	3.332595	3.233802	3.137101	2.831347	2.741225	3.065099
MAT2A	ENSG0000	0.200775	9.415399	4.927241	0.000118	0.000862	0.36692	9.892581	9.844652	9.82675	9.855076	9.774495	9.834788	10.12357	10.12183	10.11075	8.864851	8.84652	8.77479	8.913333	8.903205	8.940715	8.914746	8.970524	9.006073
ZNF608	ENSG0000	-0.62314	3.409977	-4.29604	0.000462	0.002531	-0.41501	2.438959	2.356396	2.600444	2.325974	2.299368	2.455733	2.186178	2.147141	1.826075	4.692747	4.771408	4.719298	5.992313	5.858882	5.906957	4.031767	4.156841	4.216898
SLC35G2	ENSG0000	0.725311	2.76237	3.664848	0.001846	0.007602	-1.38431	3.836399	3.983805	3.863273	4.325376	4.416469	4.146631	4.772276	4.819999	4.758139	1.98771	2.155072	1.986992	1.392977	1.282615	1.423614	2.075685	2.006592	2.003758
LETM1	ENSG0000	0.191771	7.118026	5.723877	2.23E-05	0.000236	2.204113	7.304145	7.337645	7.400217	7.241224	7.303223	7.227766	7.529067	7.497809	7.468322	6.858139	6.837905	6.882295	6.779359	6.702469	6.689858	7.106674	7.069775	7.085136
TMEM129	ENSG0000	0.042216	6.060791	0.445065	0.661735	0.756451	-7.28175	5.677569	5.76358	5.741349	5.830775	6.11136	5.73299	5.853613	5.755661	5.779429	6.054035	6.108198	6.16921	6.872775	6.770613	6.861371	6.196311	6.196124	6.030539
PPIC	ENSG0000	0.412995	5.579624	8.644858	1.01E-07	3.63E-06	7.898295	5.227386	5.204977	5.16263	5.966346	5.921921	5.857899	5.65424	5.567996	5.591697	5.12579	5.203192	5.332646	6.118076	6.082954	6.11025	5.685817	5.607615	5.582975
CEP120	ENSG0000	-0.19954	4.894698	-2.28913	0.034763	0.077924	-4.76876	5.611213	5.564777	5.610509	4.720913	4.819175	4.756563	5.300979	5.408281	5.355259	4.762664	4.748933	4.801266	4.53734	4.592857	4.527685	4.581158	4.576385	4.749225
STXBP6	ENSG0000	0.169218	2.429874	0.59449	0.559802	0.669909	-6.27527	3.96004	3.82133	4.050156	2.633943	3.132285	2.697781	4.057185	4.194045	4.296723	1.646779	1.699433	1.858866	1.878105	2.06228	2.294605	1.833493	1.878239	1.504318
TM4SF20	ENSG0000	0.297346	-1.39155	1.494957	0.152762	0.248119	-4.85021	2.438959	2.356396	2.514675	2.21912	2.549605	2.629332	2.376953	2.871824	2.77354	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MFF	ENSG0000	-0.12151	7.159312	-1.24683	0.228909	0.33962	-6.63204	8.761705	8.749966	8.768492	8.580328	8.556764	8.576218	8.401814	8.410643	8.421023	5.540318	5.542561	5.525857	5.999094	6.050991	5.976538	5.700678	5.735381	5.8578
LGALS9	ENSG0000	0.041555	2.446883	0.266311	0.793116	0.856054	-6.99467	0.814199	0.316291	1.088647	1.634586	1.953662	1.422231	0.548589	0.509405	0.39151	5.300492	5.205552	5.147212	5.436806	5.520271	5.430962	5.267	5.35134	5.233567
CPLX1	ENSG0000	0.732092	1.942556	4.356702	0.000405	0.002277	0.036121	0.882475	1.061904	1.028027	2.457149	2.193078	2.098749	1.160105	1.001115	1.314712	2.47802	2.766797	2.974933	3.825085	3.852467	3.945482	3.6717	3.503143	3.162857
PXDC1	ENSG0000	-0.33204	3.109321	-1.04032	0.312368	0.432132	-6.12577	4.172655	3.741788	4.034833	2.955742	3.242978	3.335661	3.507292	3.672864	3.162566	2.558849	2.561038	2.845681	3.983922	3.644697	3.862146	2.583072	2.552239	2.724423
E2F6	ENSG0000	0.253777	5.554685	4.147329	0.00064	0.00326	-1.0055	5.738706	5.706529	5.683566	5.901593	5.664554	5.812316	6.087259	6.053109	5.978177	5.35583	5.176975	5.437298	5.184566	5.093459	5.191054	5.518831	5.389513	5.590523
FEM1B	ENSG0000	-0.0927	6.403778	-2.44589	0.025295	0.060571	-4.72239	6.416805	6.427787	6.470455	6.254839	6.434631	6.370669	6.355578	6.361757	6.325625	6.513428	6.556631	6.456896	6.377726	6.535747	6.475274	6.412335	6.386287	6.451187
COMMD8	ENSG0000	0.171913	4.872498	2.764805	0.013009	0.035909	-3.81331	5.038315	4.99613	5.025938	5.320976	5.212855	5.283793	5.296262	5.298133	5.300358	4.501517	4.399113	4.612661	4.895737	4.919664	4.820398	4.591826	4.617172	4.499478

ATP5ME	ENSG0000	-0.16348	6.869607	-3.52418	0.002514	0.009738	-2.54192	7.106003	7.064623	7.048137	6.727312	6.758797	6.745516	6.865814	6.872281	6.965804	6.993699	6.945588	6.881707	6.754194	6.890895	6.900683	6.77965	6.81403	6.76762
UQCRFS1	ENSG0000	-0.08513	6.573733	-2.28796	0.034845	0.078059	-5.0192	7.065275	7.072773	7.064264	6.94132	6.928508	6.880476	6.868994	6.952582	6.95217	6.245675	6.195078	6.268014	6.166067	6.157939	6.230242	6.287732	6.138449	6.20296
COL4A3	ENSG0000	0.820113	0.475245	2.304822	0.033685	0.076021	-3.70804	0.667115	1.061904	1.256574	2.21912	2.460774	2.532704	1.160105	1.301009	1.564539	0.415169	0.89579	0.34382	2.479079	2.549802	2.513282	0.837776	0.924142	0.659518
MAP2K1	ENSG0000	0.895495	6.422934	13.58615	1.01E-10	2.05E-08	14.8516	6.141817	6.086949	5.992018	6.384118	6.497388	6.453835	7.085392	7.08379	7.046293	6.048447	6.22097	6.100044	6.015908	6.076066	5.983596	6.932261	6.902486	6.88584
HNRNPH1	ENSG0000	0.161713	8.743148	2.277622	0.035575	0.079218	-5.23446	8.48293	8.465644	8.501823	8.69774	8.595963	8.72645	8.796904	8.760983	8.773976	8.998542	8.957266	8.906643	8.581858	8.571939	8.634811	8.984552	8.951911	9.049855
IRS1	ENSG0000	0.055877	7.255601	0.687003	0.501096	0.617755	-7.2757	7.220063	7.07818	7.141407	7.038798	7.077854	7.047161	6.901967	6.785736	6.927299	7.23171	7.281586	7.327851	7.699894	7.604539	7.606154	7.654127	7.603961	7.550746
MECP2	ENSG0000	0.068096	6.409334	0.743098	0.467294	0.586967	-7.15491	6.837001	6.850648	6.857712	5.884211	6.101599	5.865358	7.036735	7.105754	6.949428	6.358354	6.458142	6.358792	5.962555	5.95963	6.032063	6.345611	6.313698	6.41763
UPF3A	ENSG0000	-0.04365	4.762059	-0.74835	0.464202	0.584014	-6.87221	4.654895	4.835117	4.835673	4.681208	4.770725	4.72957	4.576101	4.825892	4.929347	4.832603	4.854958	4.972471	4.878679	4.856747	5.000996	4.799373	4.79479	4.86164
ACTBL2	ENSG0000	-0.30069	0.02636	-1.39546	0.180354	0.282005	-5.57952	0.318509	0.410755	0.421314	0.106501	0.106501	0.3528	0.269385	0.253663	0.106501	2.83033	2.85362	2.93917	3.646572	3.329589	3.586098	2.706012	2.813204	2.48622
AR	ENSG0000	-0.50423	1.757153	-1.83703	0.08327	0.154974	-4.51752	5.391599	5.452673	5.408347	5.996317	5.856685	6.166432	4.902122	5.007978	4.860948	0.483018	0.259702	0.639567	0.352262	0.484926	0.470356	0.326864	0.19538	0.580851
VXN	ENSG0000	-1.15039	-0.00597	-3.18872	0.005233	0.017513	-2.09038	1.861169	1.374745	1.453818	1.182548	1.006428	0.461789	0.415731	0.824004	0.629397	1.158593	0.986408	1.158083	1.420179	1.357245	1.639204	0.884806	0.816175	0.734116
HSPBAP1	ENSG0000	-0.4365	2.007463	-2.73277	0.013921	0.037795	-3.35889	2.080492	2.332462	2.018628	1.393812	1.307481	1.840725	2.01302	2.108984	2.005764	2.966925	3.146729	2.87437	2.940139	3.131201	2.870883	2.539649	2.500854	2.507643
CHST14	ENSG0000	0.169808	4.201757	1.648095	0.117192	0.202249	-5.60513	4.896929	4.976959	4.831244	5.259393	5.185395	5.063714	4.926746	4.690335	4.889843	3.294134	3.30476	3.45816	3.640803	3.622174	3.713835	3.859998	3.863317	3.761956
PARM1	ENSG0000	-0.14103	3.620891	-0.57309	0.573886	0.682007	-6.6572	3.300651	3.472886	3.133821	4.59836	4.529983	4.639633	2.186178	2.029503	1.727075	3.709722	3.830249	3.680217	4.924518	4.888549	4.897167	3.967679	4.162364	4.249053
CSNK1G1	ENSG0000	-0.29371	5.943968	-4.06795	0.000761	0.003753	-1.26023	5.970071	5.987002	6.009761	5.529135	5.610519	5.602196	5.494585	5.539589	5.304656	6.320605	6.352433	6.195026	6.341723	6.343771	6.319977	6.188132	6.168947	6.157942
FAM110B	ENSG0000	-0.29351	-1.50282	-0.85492	0.404163	0.525804	-5.48867	2.021155	1.947501	1.954926	3.123142	2.926537	2.741673	1.648695	1.367163	1.826075	0.106501	0.106501	0.106501	0.106501	0.106501	0.263213	0.106501	0.106501	0.106501
ARMC4	ENSG0000	-0.80318	0.172673	-2.89422	0.009878	0.028817	-2.63824	1.719036	1.591918	1.818408	2.063099	1.768674	1.714252	1.240874	1.231675	1.0941	0.88529	0.89579	1.027938	0.610222	0.784432	0.862212	0.326864	0.924142	0.872651
AFAP1L2	ENSG0000	-0.31899	2.48596	-1.33932	0.197624	0.302013	-5.90182	2.021155	2.152784	1.853768	2.103714	2.117603	2.429135	0.670238	0.824004	0.39151	4.212707	4.292151	4.324649	4.207266	4.10073	4.093761	4.289412	4.263465	4.365096
ZNF354A	ENSG0000	0.256286	4.141272	2.109665	0.049589	0.102995	-4.96441	3.774862	3.676739	3.801232	4.052041	3.656958	3.733615	3.941119	4.060466	3.890739	4.177304	4.247042	4.24267	5.100883	5.12584	5.143946	4.507942	4.391248	4.572451
ATF5	ENSG0000	0.331737	5.520561	4.763221	0.000168	0.00114	0.338344	5.910002	5.86717	5.83942	5.657452	5.763816	5.569081	6.108939	6.191911	6.247406	5.21079	5.069663	5.44688	4.907798	4.774033	4.663983	5.59858	5.58723	5.567757
UBE2V2	ENSG0000	0.026443	6.866614	0.545525	0.592287	0.696495	-7.3391	6.689964	6.751471	6.683194	6.42876	6.403191	6.45713	6.844972	6.965986	6.897731	7.219952	7.222805	7.215085	6.889294	6.880653	6.949806	7.136735	7.093094	7.10196
ZBTB43	ENSG0000	-0.50914	4.920212	-10.5183	5.53E-09	4.08E-07	10.88423	5.111261	5.003727	4.954444	4.63346	4.56592	4.531264	4.504297	4.62424	4.505294	5.642139	5.52755	5.426038	5.14231	5.076992	5.123642	5.002269	4.981317	5.102428
CPT1C	ENSG0000	0.356745	2.873535	2.738483	0.013754	0.037485	-3.76845	1.861169	1.591918	1.954926	1.022291	1.373859	1.123626	1.867984	2.108984	2.127218	4.299944	4.463628	4.466439	5.053895	5.07975	4.998211	4.826728	4.695442	4.753714
PCSK9	ENSG0000	-0.39368	-1.19979	-1.49795	0.151988	0.247232	-4.8599	3.142584	2.693541	3.013906	3.237064	3.012388	3.119801	2.102195	2.623806	2.723053	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
XPO6	ENSG0000	-0.24127	7.255515	-2.75572	0.013262	0.036443	-4.19414	7.472804	7.439194	7.50749	7.37479	7.345188	7.390843	6.984915	6.957958	6.981997	7.36861	7.363649	7.374621	7.099509	6.985835	7.070075	7.37258	7.331739	7.354119
MN1	ENSG0000	-0.13892	0.665058	-0.48704	0.632284	0.731451	-5.87157	5.948335	6.000355	6.160332	6.069909	6.30028	6.137973	5.991301	5.786207	5.819027	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.183756	0.106501	0.106501
APEX2	ENSG0000	-0.35714	5.912093	-8.71567	8.95E-08	3.37E-06	7.968459	6.320107	6.268199	6.232628	5.884211	5.902377	5.902086	5.80795	5.879824	5.88653	6.185853	6.056844	6.071422	5.747188	5.608847	5.69969	5.799099	5.802349	5.809023
NSMCE1	ENSG0000	-0.23417	6.008626	-3.28255	0.004266	0.014832	-2.94386	6.718262	6.61304	6.764407	6.183212	6.198646	6.206137	6.15916	6.263136	6.357005	5.757935	5.698134	5.762948	5.703571	5.554375	5.507395	5.785222	5.705431	5.647122
CCDC126	ENSG0000	-0.06049	2.653873	-0.36618	0.718624	0.80051	-6.51161	3.156438	2.730641	3.090013	2.81607	3.033076	2.998412	3.258446	3.415864	3.421943	2.763691	2.741	2.776437	2.760241	2.888589	2.95373	2.368215	2.465551	2.200755
NPIPB12	ENSG0000	-0.4293	-0.07535	-1.72344	0.102452	0.182244	-4.62421	1.12723	1.226787	1.30847	1.182548	1.2379	0.984419	1.240874	1.001115	1.50602	1.073118	0.986408	0.76743	0.907968	0.837535	1.209118	0.517985	0.572487	0.659518
RAB3B	ENSG0000	0.668049	4.538658	3.281276	0.004278	0.014861	-1.98416	9.630649	9.671978	9.642211	10.76575	10.65787	10.81577	10.32124	10.35277	10.30575	0.415169	0.583785	0.683459	0.562188	0.612281	0.533283	0.457048	0.69947	0.734116
CD2BP2	ENSG0000	-0.10561	7.144421	-2.7839	0.012493	0.0348	-4.13165	7.134281	6.980492	6.986749	6.9497	7.051479	7.008383	6.833623	6.944479	6.835226	7.323634	7.313661	7.407709	7.435301	7.348541	7.363143	7.300157	7.268492	7.305256
RGS14	ENSG0000	0.946645	3.223379	4.974794	0.000107	0.000797	1.154951	1.561356	2.283367	1.853768	3.425084	3.643567	3.377995	2.832807	2.596487	2.501332	3.723813	3.748453	3.728156	4.211164	4.148793	4.040604	4.694387	4.551348	4.551975
TBC1D10B	ENSG0000	0.117587	5.562879	0.857726	0.402653	0.524222	-6.94304	4.925527	4.980813	5.041355	5.707722	5.842105	5.669075	5.300979	5.127313	5.062209	5.928855	5.946895	6.018854	5.741807	5.637204	5.716735	6.056963	6.084202	5.927013
LMAN2	ENSG0000	0.169393	8.090176	4.617028	0.00023	0.001449	-0.23157	8.162173	8.158747	8.196542	8.464252	8.548704	8.464831	8.324585	8.356202	8.402595	7.693029	7.659256	7.844319	7.970738	7.93509	7.895667	7.89571	7.875952	7.875143
RAB24	ENSG0000	0.87819	1.191286	3.70254	0.001699	0.007103	-1.1279	1.519087	1.670392	1.921989	2.063099	2.333126	2.196611	2.376953	2.069791	2.471058	0.781331	1.112482	1.061592	2.079215	1.846087	1.970087	1.708352	1.737342	1.058313
PRELID1	ENSG0000	-0.15209	8.00735	-4.64977	0.000214	0.001369	-0.17011	8.134004	8.198186	8.124179	7.764185	7.848893	7.757763	7.970653	7.906531	7.937606	8.194322	8.139527	8.225011	7.910569	7.921703	7.932609	8.138804	8.072807	8.059598
THBS3	ENSG0000	-0.21462	4.080148	-1.82898	0.084518	0.156621	-5.2577	4.302931	4.275018	4.37619	5.156973	5.185395	5.387592	4.068294	3.90213	4.16108	3.560679	3.398501	3.203153	4.86884	4.704269	4.826692	3.218571	3.193646	3.398988
CA5B	ENSG0000	0.122605	2.12843	1.148826	0.266107	0.382575	-5.74834	2.568952	2.596389	2.720234	3.06262	3.112982	3.231764	2.779728	2.801791	2.77354	1.940223	2.115463	1.951531	2.112949	2.10622	2.200805	2.095813	2.101639	1.844513
SLC50A1	ENSG0000	0.304762	6.714368	3.572684	0.00226	0.008907	-2.40507	6.943714	6.974705	6.949439	6.992235	6.81662	6.94056	7.433501	7.343066	7.445148	6.240783	6.141856	6.25807	6.485475	6.481518	6.567418	6.399235	6.298731	6.41196
EFNA1	ENSG0000	0.717359	7.470514	3.016612	0.007595	0.023339	-3.62168	8.057159	7.974329	8.021514	8.371143	8.302564	8.36882	9.440972	9.340255	9.515097	6.254195	6.349235	6.296559	6.633727	6.720251	6.704457	6.172818	6.075448	6.076062
CXCL10	ENSG0000	0.492182	-1.45843	1.579568	0.132132	0.22159	-4.91781	0.106501	0.316291	0.106501	0.258133	0.106501	0.106501	0.269385	0.106501	0.106501	1.116489	1.300837	1.188864	1.420179	1.393161	1.923865	1.286141	1.851139	1.546329
NPIPB3	ENSG0000	-0.35512	1.56165	-2.06233	0.054363	0.110788	-4.42214	1.755904	1.883052	1.78216	2.21912	1.864131	2.132113	1.762502	1.082132	1.50602	2.650221	2.355385	2.088428	2.209661	2.288901	2.18129	2.211015	2.054898	2.174206
SH3TC2	ENSG0000	-0.25691	2.740376	-1.06131	0.302996	0.422268	-6.32513	3.520128	3.676739	3.678418	0.841981	1.006428	1.422231	2.752438	2.290412	2.530983	3.681119	3.767745	3.914651	3.436163	3.301515	3.253801	3.836267	3.800954	3.914098
ZRSR2	ENSG0000	0.162943	3.755905	1.707263	0.105475	0.186317	-5.54694	3.313074	3.439663	3.431666	3.308302	3.820593	3.678224	3.747379	3.491964	3.924645	3.926269	4.209911	4.175097	4.203356	4.331113	4.024267	4.103106	4.094656	4.353311
NMD3	ENSG0000	0.837054	6.290635	20.01312	1.72E-13	1.75E-10	21.19492	5.493352	5.607787	5.472309	6.137487	6.175571	6.127672	6.311847	6.349536	6.222635	6.126099	6.210434	6.174987	6.679473	6.691694	6.700179	7.01914	6.988942	7.10196
ADRB2	ENSG0000	-1.05143	1.631691	-5.65231	2.58E-05	0.000262	2.529449	1.681202	1.277811	1.146821	0.395333	0.25478	0.2349	0.269385	0.726566	0.256032	4.889966	4.755391	4.92983	4.907798	4.689902	4.732626	4.175819	3.800954	3.814473
B3GALNT1	ENSG0000	0.418036	-0.41441	5.168997	7.07E-05	0.000576	1.678517	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.17611	3.086546	3.445469	3.840269	3.884362	3.773698	3.6717	3.612085	3.56145
GPRIN1	ENSG0000	-0.13059	4.155396	-1.06123	0.303031	0.422275	-6.5434	3.530804	3.568199	3.707702	3.456785	3.89028	3.828257	2.832807	3.083395	3.104585	5.115138	5.110531	5.278222	4.853955	4.718494	4.929692	5.323569	5.168587	5.037632
MRPL1	ENSG0000	-0.2135	4.922997	-3.18309	0.005297	0.017668	-3.03386	5.288426	5.231103	5.144898	4.272916	4.258538	4.460795	4.908318	5.03875	5.015776	5.358091	5.24967	5.36838	4.8288	4.882244	4.759194	5.085149	5.08382	5.274758
NR0B1	ENSG0000	-0.46772	0.510227	-1.70193	0.106489	0.187782	-4.6667	6.661101	6.783823	6.830237	5.041505	5.317749	5.155812	6.366869	6.171229	6.284872	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PGM2	ENSG0000	0.066892	6.309415	1.622706	0.12255	0.209438	-6.13752	6.074092	6.070765	6.097189	6.095309	6.046703	6.051247	6.29303	6.284691	6.211233	6.503253	6.514426	6.580293	6.451269	6.555692	6.537992	6.506498	6.52992	6.505438
STK32A	ENSG0000	0.439311	0.5212	3.719519	0.001637	0.006899	-1.54038	0.216396	0.215206	0.106501	0.106501	0.25478	0.3528	0.269385	0.106501	0.256032	3.75845	4.035189	3.914651	4.470601	4.509412	4.535391	4.249541	4.40994	4.286716
MINAR1	ENSG0000	1.257029	1.098624	6.070189	1.11E-05	0.000138	3.511778	1.681202	1.118985	0.829201	2.143217	2.078331	2.402038	2.26554	2.255906	2.274723	1.028404	1.152172	1.219002	1.776519	1.681564	1.826726	1.571317	1.930959	1.546329
SLC33A1	ENSG0000	0.251475	5.155497	2.552323	0.020311	0.050957	-4.31042	5.064268	5.018804	5.123327	5.677771	5.539998	5.541409	5.448564	5.575011	5.463015	5.009819	5.123069	5.005268	4.763924	4.941053	4.888167	5.036515	5.138081	5.19777
SNUPN	ENSG0000	0.012269	4.215521	0.191175	0.850591	0.899429	-6.98628	4.605251	4.619648	4.681852	4.510463	4.455308	4.279122	4.420085	4.784126	4.751857	4.065562	4.082178	4.029643	3.965575	3.903166	3.991027	4.057652	4.094656	4.022248
CRADD	ENSG0000	-0.14454	2.662287	-1.41207	0.175487	0.276139	-5.58109	3.756787	3.888531	3.871922	3.21869	3.053471	3.168853	3.690999	3.672864	3.924645	2.543041	2.405511	2.497858	1.897591	2.127698	1.900186	2.524879	2.190809	2.091498
SIN3A	ENSG0000	-0.18699	6.387825	-3.82998	0.001284	0.005717	-1.8329	5.881091	5.904176	5.884996	6.152084	6.216843	6.217839	5.578564	5.636658	5.500968	6.897522	6.929261	6.884647	7.080453	7.078362	7.08918	6.791268	6.759506	6.84013
ARL13B	ENSG0000	0.171166	3.464906	1.61393	0.124451	0.211875	-5.54344	3.65311	3.505362	3.565652	3.944346	3.784444	3.888069	4.164604	3.956862	3.681923	3.411958	3.406729	3.590847	3.303673	3.310934	3.186878	3.366734	3.603991	3.410407
PTK2	ENSG0000	-0.35411	7.709357	-6.06553	1.12E-05	0.000139	2.863594	8.411073	8.404898	8.423091	7.568598	7.55553	7.572708	7.893899	7.872771	7.861607	7.717002	7.671258	7.690817	7.261962	7.211933	7.227015	7.561277	7.485595	7.50953
PTAFR	ENSG0000	0.52702	0.664736	2.263668	0.036582	0.081058	-4.33971	0.814199	0.499412	0.898566	0.395333	0.512209	0.2349	0.106501	0.726566	0.256032	3.294134	3.509623	3.312021	2.25569	2.148862	2.18129	4.271827	3.974229	3.906054
PTPN9	ENSG0000	-0.0091	5.368513	-0.13134	0.897003	0.931468	-7.2079	5.93634	5.869251	5.863473	6.183212	6.180215	6.111035	5.639419	5.810187	5.773239	4.637991	4.796672	4.888235	5.005325	4.950123	4.900154	4.925625	4.887736	4.965925
NPR1	ENSG0000	0.27478	0.383242	0.600308	0.556006	0.66643	-5.75251	3.385444	3.516026	3.443319	3.647423	3.426184	3.391835	3.841036	3.550079	3.668646	0.106501	0.330605	0.288049	0.352262	0.416769	0.470356	0.106501	0.572487	0.315289
CXCL8	ENSG0000	0.778189	7.161111	5.258621	5.85E-05	0.000496	1.238098	8.484647	8.444515	8.492389	7.160503	7.118349	6.962751	9.707947	9.69544	9.723273	6.437439	6.335294	6.393892	4.886014	4.827513	4.879111	6.486627	6.615953	6.560288
SCN9A	ENSG0000	0.384493	2.183411	1.681293	0.110487	0.193112	-5.05084	2.609804	2.853456	2.982302	2.81607	2.835252	3.119801	3.219115	3.446787	2.981126	1.646779	1.725977	1.538714	2.649667	2.627242	2.604018	1.833493	1.737342	1.973284
RASSF6	ENSG0000	0.653124	0.442907	2.93639	0.009025	0.026773	-2.7239	0.41387	0.940485	0.512639	0.635873	1.006428	1.123626	0.782422	0.824004	0.833554	1.865926	1.875739	2.021603	1.689764	1.428204	1.456457	2.464239	2.410923	2.350536
SDC2	ENSG0000	1.196772	4.856562	2.464049	0.02437	0.058831	-4.36837	3.84498	3.855322	3.81026	6.686114	6.584058	6.687786	5.077304	4.971227	5.155586	4.443094	4.344483	4.563592	4.093589	4.034047	3.945482	5.518831	5.422105	5.486471
MMGT1	ENSG0000	0.721965	5.644448	7.533826	6.87E-07	1.60E-05	5.939222	5.449012	5.393175	5.420189	6.211362	6.059364	6.09843	6.475171	6.544401	6.447246	5.060666	5.133021	5.091284	5.517738	5.464391	5.477706	5.467617	5.467424	5.383047
TM2D2	ENSG0000	-0.02162	5.324254	-0.33351	0.742714	0.818895	-7.26315	4.829349	4.813666	4.739702	4.701197	4.782991	4.751204	4.8959	4.87219	4.732845	6.096621	6.089154	6.204472	5.588386	5.603108	5.640184	6.122199	6.092904	5.996849
PLEKHA2	ENSG0000	0.206035	3.369891	2.281483	0.035301	0.078819	-4.62574	2.461454	2.470453	2.300736	2.393052	2.787348	2.5075	1.966276	1.988058	1.962896	4.545816	4.634494	4.379049	5.05823	5.096185	5.161481	4.777733	4.874338	4.853297
CLIC4	ENSG0000	0.172342	7.451458	5.828621	1.80E-05	0.0002	2.398773	7.856953	7.818281	7.807704	7.635917	7.561773	7.660361	7.978771	7.977076	7.993919	7.10958	7.113327	7.164198	6.872775	6.867149	6.915523	7.296357	7.296386	7.359284
METTL15	ENSG0000	-0.24158	3.936037	-2.85385	0.010767	0.030826	-3.3636	5.128936	5.095468	5.134153	4.88719	4.621619	4.788301	4.779054	4.837607	4.776822	3.303547	3.241771	3.290894	2.911671	3.320292	3.106389	3.032701	3.307681	3.31642
MUC15	ENSG0000	0.043416	-0.7485	0.184169	0.856001	0.902799	-6.40729	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.30136	2.193623	2.286428	4.531115	4.569504	4.527685	2.034568	2.410923	2.302316
ZEB2	ENSG0000	0.479761	1.428843	2.111926	0.04937	0.102613	-4.03881	4.859306	4.95753	5.05661	5.626427	5.326156	5.490866	5.360933	5.466025	5.412136	0.269074	0.185134	0.288049	0.46104	0.26996	0.404558	0.257084	0.2791	0.497646
PCBP1	ENSG0000	-0.00433	8.656546	-0.12105	0.905032	0.937309	-7.61133	8.764535	8.774045	8.719316	8.60441	8.666348	8.527292	8.853385	8.771327	8.819366	8.718374	8.62179	8.766524	8.497973	8.452818	8.415906	8.630568	8.659022	8.621587
HINT1	ENSG0000	0.012318	7.83221	0.353949	0.727611	0.80699	-7.47409	8.528254	8.552383	8.505996	8.452015	8.40928	8.428365	8.479286	8.595344	8.533331	7.255549	7.215213	7.281745	7.032233	7.029992	7.010503	7.322749	7.237434	7.241155
DTWD2	ENSG0000	0.52163	3.353957	6.157191	9.32E-06	0.000122	3.644277	3.633432	3.547555	3.454879	3.898911	4.1009	3.907468	4.023335	3.967564	3.924645	2.804042	2.991286	2.756026	3.205461	3.445301	3.234995	3.181381	3.503143	3.410407
CLIC3	ENSG0000	-0.52447	1.872764	-2.55988	0.019994	0.050324	-3.82199	1.18244	1.327092	1.088647	0.934951	1.307481	0.657796	1.160105	1.001115	0.833554	3.349712	3.569479	3.70172	4.929259	4.843827	4.914999	3.152846	3.009816	2.990979
INO80E	ENSG0000	-0.13295	5.771628	-1.6122	0.124828	0.212365	-6.06357	6.326249	6.326918	6.286995	5.514147	5.681033	5.677574	6.124988	5.981	6.09693	5.610256	5.592102	5.689511	5.559624	5.574066	5.503472	5.561067	5.665153	5.615405
DFFB	ENSG0000	-0.12903	3.179939	-1.22028	0.238567	0.350625	-6.06534	3.476616	3.608619	3.477724	2.714828	2.835252	2.741673	3.370387	3.26787	3.357206	3.520882	3.463043	3.561745	3.429485	3.568213	3.353069	3.478269	3.366281	3.509302
NFU1	ENSG0000	0.202165	4.627732	3.359148	0.003609	0.012967	-2.52115	4.941618	5.077581	4.938064	5.16659	5.075006	5.068031	5.296262	5.21525	5.359397	4.20268	4.223947	4.314216	4.126992	4.15926	4.279586	4.361843	4.237539	4.376785
ANTXR1	ENSG0000	1.541626	2.04504	5.435619	4.04E-05	0.000377	2.250607	7.92328	8.034445	7.926113	9.950889	9.78139	9.85538	9.526779	9.518212	9.52848	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CKAP2L	ENSG0000	0.575564	3.63659	2.929641	0.009156	0.027107	-3.30798	4.165822	4.080378	4.109872	3.840029	3.112982	3.560621	4.96291	4.900389	4.912549	4.114515	4.132653	4.046548	1.878105	1.819936	1.695314	4.357681	4.30899	4.347382
C15orf40	ENSG0000	-0.3382	4.895692	-3.93081	0.001029	0.004789	-1.40375	4.85081	4.95753	4.887776	4.532944	4.478119	4.256608	4.411387	4.357565	4.647437	5.326119	5.336211	5.378429	5.479457	5.460164	5.40806	5.031299	5.045483	5.19777
RAMAC	ENSG0000	-0.13824	5.09031	-2.28903	0.034771	0.077929	-4.87044	4.559062	4.629503	4.476008	4.227693	4.376555	4.308605	4.274204	4.474723	4.404775	5.839468	5.840072	5.870103	5.954437	6.059398	6.003179	5.777454	5.727952	5.699258
APLF	ENSG0000	-0.24652	0.311679	-0.84235	0.410973	0.532668	-5.70165	1.642349	2.009193	1.499186	1.393812	1.164793	1.123626	0.983587	1.231675	1.445026	0.88529	0.640699	1.061592	1.420179	1.282615	1.129895	1.13872	0.871168	0.93723
BOLA2B	ENSG0000	-0.07093	1.604985	-0.4357	0.668389	0.761639	-6.49867	1.384302	1.374745	1.202741	1.256461	1.556428	0.563119	1.074544	1.367163	0.925731	3.024981	3.065914	3.001185	3.422776	3.436722	3.106389	3.083983	3.046116	2.896697
HIC2	ENSG0000	-0.21885	3.355892	-3.89671	0.001109	0.005072	-1.19359	3.420312	3.439663	3.359697	2.81607	2.970101	2.904994	3.137083	3.302095	3.124172	4.026306	4.051023	3.977706	3.663745	3.637228	3.693316	3.848182	3.757829	3.865145
LUZP1	ENSG0000	-0.48654	6.351122	-4.98181	0.000105	0.000788	0.688397	6.787781	6.572745	6.635737	5.971842	5.986987	5.97285	5.817858	5.749473	5.745052	6.715578	6.728111	6.644854	6.574426	6.597663	6.586088	6.514932	6.504055	6.55129
HEXD	ENSG0000	-0.27235	4.348426	-2.84752	0.010913	0.031161	-3.58425	4.333741	4.14364	4.145977	4.092964	4.231942	4.138446	3.853933	3.711575	3.90213	4.596474	4.706242	4.66833	5.297059	5.206274	5.205617	4.563199	4.525868	4.292899
BUB1	ENSG0000	0.228878	4.404398	0.922213	0.368973	0.490735	-6.72112	4.630287	4.701347	4.441562	4.448742	4.439897	4.079806	5.015513	5.150979	4.994649	5.144243	5.181778	5.296004	2.55467	2.729118	2.497588	5.240125	5.171328	5.191165
LRRC45	ENSG0000	-0.2293	3.802869	-2.2802	0.035391	0.07896	-4.62578	3.397161	3.494617	3.65856	3.591402	3.378481	3.247073	3.158032	3.178579	2.915195	4.455814	4.570022	4.758301	4.574134	4.412116	4.346819	4.623367	4.596923	4.122853
CHRNA5	ENSG0000	0.295344	4.36715	1.93071	0.069906	0.135024	-5.30984	4.473109	4.275018	4.288462	4.727426	4.641964	4.524999	4.637058	4.87219	4.626988	4.600298	4.463628	4.554757	3.691919	3.772912	3.586098	4.826728	4.691628	4.675424
CENPX	ENSG0000	0.38219	5.522646	2.849771	0.010861	0.031031	-3.80425	5.0569	4.933864	4.946277	5.612421	5.800478	5.651925	5.740105	5.764893	5.732345	5.723285	5.686355	5.809496	5.372111	5.350262	5.374084	5.811323	5.868037	5.765225
AGPAT2	ENSG0000	0.555423	5.179655	3.568408	0.002281	0.008978	-2.21845	5.118357	5.015049	5.090354	4.821743	5.283625	4.923071	5.267633	5.141559	5.036597	4.565511	4.68948	4.934378	5.857021	5.808237	5.673739	5.725113	5.637662	5.40033
ASPSCR1	ENSG0000	-0.07241	4.860382	-0.91938	0.370413	0.492236	-6.73611	4.965424	4.852052	4.933939	4.753186	5.194607	4.960699	4.583863	4.722281	4.732845	4.710546	4.830703	5.049965	5.09878	5.173088	5.110805	4.980783	4.971913	4.775955
FASN	ENSG0000	-0.02797	9.348198	-0.19607	0.846815	0.896611	-7.6586	8.741167	8.690305	8.976031	9.003994	9.182628	9.085128	8.920438	8.720827	8.854604	10.0093	10.14249	10.06725	9.403004	9.242093	9.296218	10.08943	9.999957	9.886363
CNBP	ENSG0000	0.03394	8.34547	0.945441	0.357322	0.479086	-7.15139	8.127864	8.199014	8.143506	7.800156	7.843047	7.799893	8.122925	8.181644	8.110821	8.690168	8.662512	8.688232	8.530321	8.563098	8.563115	8.7643	8.723485	8.788957
MT1E	ENSG0000	-0.06915	1.663358	-0.88212	0.389681	0.511306	-6.95778	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.415731	0.106501	0.106501	7.809512	7.722828	7.669149	6.627176	6.64684	6.614559	7.638775	7.645959	7.61631
DUS1L	ENSG0000	-0.20742	7.36404	-2.86159	0.01059	0.030423	-4.00639	7.443441	7.472429	7.540415	6.514103	6.690443	6.486449	7.287852	7.116612	7.197249	7.824302	7.789626	7.927664	7.466624	7.425891	7.411052	7.71639	7.777279	7.634682
GPS1	ENSG0000	0.069306	7.463342	1.476799	0.157521	0.2542	-6.46543	6.908331	6.795907	6.86206	6.897233	7.065354	6.86939	7.094929	6.815659	6.972573	7.950624	7.944935	8.053994	8.150514	8.02511	8.016561	8.041955	8.087395	7.950409
RFNG	ENSG0000	0.235752	5.092201	3.284092	0.004252	0.014797	-2.814	4.820675	4.893538	4.946277	5.087795	5.317749	5.097889	4.883375	4.922558	4.745547	4.971948	4.931084	5.131452	5.533393	5.468605	5.459595	5.44622	5.447207	5.341895
DCXR	ENSG0000	0.117957	5.78516	2.404991	0.0275	0.064667	-4.74057	5.278958	5.421814	5.489272	5.468225	5.525471	5.242382	5.570773	5.514266	5.537947	6.132715	6.115745	6.192181	6.131511	6.20795	6.076316	6.304044	6.287403	6.134035
ZNF32	ENSG0000	0.992189	4.236972	15.54657	1.13E-11	4.03E-09	16.86745	3.878801	3.936954	3.863273	5.259393	5.124043	5.102104	4.932837	4.981823	4.934903	3.322191	3.381904	3.400153	4.404034	4.407733	4.342433	4.185243	4.059571	4.274271
RAC3	ENSG0000	0.240033	4.404593	1.620443	0.123038	0.209998	-5.8633	4.387594	4.287521	4.326715	3.661095	3.546181	3.349911	4.274204	4.290959	4.05282	4.607916	4.672521	4.643544	5.066862	5.144398	5.171406	5.119964	5.003024	5.011626
NRG4	ENSG0000	0.584101	-0.98944	1.540552	0.141335	0.233368	-4.79143	2.19231	2.152784	2.579475	2.103714	2.264801	2.22781	2.779728	2.894433	3.124172	0.106501	0.259702	0.16959	0.106501	0.106501	0.186984	0.257084	0.106501	0.106501
LIMS1	ENSG0000	-0.08847	6.074568	-2.13371	0.047312	0.099281	-5.23539	6.535529	6.488612	6.48744	6.504656	6.401203	6.415394	6.458379	6.459763	6.493161	5.895008	5.849156	5.837692	5.562678	5.610755	5.603999	5.737977	5.669038	5.742817
NLGN1	ENSG0000	0.957681	0.078181	1.821477	0.085695	0.158247	-4.42856	1.894617	2.068355	1.853768	3.562554	3.151334	3.349911	2.832807	2.728183	2.82232	0.34397	0.583785	0.34382	0.234608	0.26996	0.106501	0.393424	0.504542	0.659518
TAPT1	ENSG0000	0.298891	4.561237	4.969108	0.000108	0.000805	0.959634	4.85081	4.864623	4.844488	4.694564	4.694855	4.899045	5.203583	5.289629	5.278673	4.19764	4.318554	4.260892	4.191564	4.235431	4.134921	4.469892	4.333674	4.494122
UGP2	ENSG0000	0.042223	6.800645	0.569869	0.576019	0.683687	-7.28578	6.820781	6.840077	6.719588	7.385124	7.398975	7.392565	6.88479	6.915756	6.758969	6.502231	6.578646	6.601898	6.605863	6.712276	6.785046	6.551827	6.575131	6.626654
HNRNPF	ENSG0000	0.252091	8.362324	6.080657	1.09E-05	0.000136	2.853891	8.36707	8.343728	8.345258	8.441656	8.512331	8.478676	8.598545	8.667676	8.63454	8.252586	8.176085	8.218499	8.133409	8.063578	8.05995	8.455437	8.424934	8.430119
BTD	ENSG0000	0.165122	4.537433	1.706838	0.105555	0.186413	-5.54168	5.217507	5.24399	5.211151	5.924447	5.824412	5.954316	5.609312	5.58547	5.504708	3.528929	3.633975	3.400153	4.151547	4.148793	4.169997	3.455083	3.347011	3.202807
CSGALNAC	ENSG0000	0.284165	4.647994	2.35226	0.03061	0.070262	-4.43734	5.546927	5.398948	5.49208	6.369619	6.245934	6.317278	6.011586	5.991525	5.972785	3.695491	3.439177	3.445469	3.708564	3.921728	3.805912	3.227721	3.307681	3.241681
PCDH7	ENSG0000	0.48348	5.730706	1.580445	0.131932	0.221409	-6.05678	3.011517	3.057038	2.848472	7.059593	6.976026	7.018455	4.730929	4.753535	4.745547	6.20983	6.161437	6.217593	7.586281	7.560304	7.578448	6.23085	6.243788	6.125399
ROBO1	ENSG0000	-0.17314	5.37841	-3.35886	0.003611	0.012969	-2.57033	6.127821	6.216828	6.269099	6.88126	6.98932	7.032879	6.025902	6.053109	6.007476	4.232554	4.247042	4.300188	5.051722	4.859959	5.014844	4.098126	4.07722	4.150354
ONECUT1	ENSG0000	-0.10416	-0.25775	-0.42065	0.679135	0.769892	-5.83165	1.861169	1.420874	2.079636	1.393812	1.556428	1.367251	1.317361	1.605065	1.564539	0.483018	0.583785	0.449284	0.294634	0.416769	0.470356	0.63264	0.572487	0.659518
AVEN	ENSG0000	0.047774	4.212606	0.613366	0.547534	0.658326	-6.72336	5.233934	5.240779	5.183625	5.132645	4.982309	5.076625	5.099133	5.201716	5.243285	3.216534	3.295928	3.513924	3.36795	3.503965	3.608189	3.485915	3.562824	3.56145
P2RY1	ENSG0000	0.110697	2.983055	0.372981	0.713647	0.796839	-6.65939	2.884092	2.982098	2.883112	3.647423	3.855857	3.419122	3.072345	3.318907	2.959482	3.688323	3.501964	3.561745	2.009285	2.363215	2.312654	3.658228	3.554448	3.477085
TRIM56	ENSG0000	0.08684	6.438613	1.65648	0.115466	0.199831	-6.097	6.211491	6.234694	6.430029	6.195008	6.259165	6.460417	6.230122	6.214549	6.295708	6.504273	6.533337	6.459265	6.720398	6.685371	6.719756	6.681512	6.683765	6.686583
WNT10B	ENSG0000	0.922246	0.859555	3.995167	0.000893	0.004265	-0.52046	2.051128	2.152784	1.954926	1.256461	2.299368	1.993763	2.908934	2.357042	2.846105	0.834246	0.695454	0.958181	0.745413	0.986036	0.760679	1.250674	1.406038	1.546329
REPS2	ENSG0000	-0.27956	1.826427	-2.47707	0.023726	0.057658	-3.8777	1.12723	1.061904	1.406977	1.578054	1.556428	1.714252	1.588238	0.824004	0.925731	3.367773	3.269103	3.225594	3.691919	3.583837	3.700188	3.073871	3.081525	2.880366
SYAP1	ENSG0000	0.245643	6.92382	3.106659	0.006253	0.02013	-3.42837	6.910376	6.903387	6.857712	7.221752	7.189185	7.159629	7.398719	7.522513	7.377392	6.642355	6.650558	6.732995	6.734689	6.835683	6.810675	6.626366	6.634946	6.644896
TPST1	ENSG0000	0.491832	2.96406	1.964283	0.065603	0.128525	-4.86537	2.649532	2.596389	2.221741	4.009923	3.820593	3.91707	2.576877	3.002451	3.124172	3.058725	3.15652	3.043904	3.108457	3.04352	2.942182	3.439417	3.431768	3.631427
TM4SF4	ENSG0000	-0.50988	-0.30033	-1.28233	0.216476	0.325205	-5.11448	2.884092	2.55562	2.681399	3.142765	3.34578	3.27721	2.446718	2.290412	2.697131	0.269074	0.330605	0.34382	0.171976	0.345231	0.186984	0.106501	0.106501	0.315289
TOR1AIP2	ENSG0000	-0.07383	6.444039	-1.11768	0.27883	0.396209	-6.80539	6.199831	6.148217	6.170885	6.281638	6.180215	6.271226	6.261919	6.41355	6.33406	6.77684	6.751718	6.709305	6.754862	6.80268	6.756484	6.575313	6.352866	6.561569
TM4SF1	ENSG0000	0.229559	8.743755	2.276474	0.035657	0.079341	-5.21363	9.159674	9.111452	9.09185	9.2017	9.227353	9.172657	9.686929	9.717996	9.759928	8.183529	8.259936	8.252135	8.141348	8.135249	8.155865	8.04907	8.061398	8.088319
OTUD3	ENSG0000	-0.28557	3.936389	-4.73913	0.000177	0.001183	0.488773	4.239263	4.184325	4.345467	3.20008	3.093416	3.247073	3.747379	4.109604	3.783962	4.71408	4.709571	4.748003	3.569701	3.806595	3.658454	4.473742	4.559742	4.483349
GUSB	ENSG0000	0.065753	6.439327	0.489089	0.63086	0.730337	-7.28858	6.588866	6.61304	6.574795	7.008369	7.085301	7.078519	6.929642	6.914374	6.957639	6.278265	6.310295	6.390586	5.698025	5.733157	5.768329	6.166884	6.041387	6.095646
BRD3	ENSG0000	-0.00266	5.38931	-0.04108	0.967698	0.978864	-7.29	4.450796	4.742796	4.753809	5.268353	5.379635	5.302231	4.637058	4.489649	4.364168	5.709189	5.84159	5.85938	6.525948	6.334565	6.458146	5.901274	5.934095	5.762999

KLF13	ENSG0000	0.106104	4.813745	1.499558	0.151575	0.246814	-5.83179	6.201502	6.160165	6.155027	6.704387	6.924362	6.903604	6.25221	6.301706	6.220361	3.165825	3.023743	3.133657	3.830164	3.717329	3.81227	3.415594	3.2466	3.050576
ZFPM2	ENSG0000	-0.5782	-0.59411	-2.1532	0.045537	0.096267	-4.02252	0.318509	0.316291	0.598525	0.635873	0.389229	0.461789	0.269385	0.106501	0.39151	1.315703	1.777644	1.49011	1.644349	2.016959	1.456457	1.177011	1.368306	1.222783
ZNF764	ENSG0000	0.194072	2.776088	1.801268	0.088939	0.162592	-5.02394	3.300651	3.248262	3.347346	3.591402	3.901574	3.608819	3.586698	3.26787	3.557782	2.30136	2.575707	2.272125	2.439743	2.756951	2.559363	2.583072	2.535313	2.464474
ZNF747	ENSG0000	-0.17479	1.610986	-1.06495	0.301391	0.420401	-5.8984	1.642349	1.744817	1.888281	1.256461	1.996426	1.123626	1.389995	1.605065	1.918715	2.338465	2.485369	2.776437	2.614772	2.533802	2.574402	2.229352	2.568968	2.442395
ZNF768	ENSG0000	-0.31873	5.926153	-4.08956	0.000726	0.003607	-1.20775	6.117234	6.101184	6.214041	5.765822	5.806499	5.757249	5.490461	5.477302	5.680369	6.160176	6.202186	6.368068	5.876792	5.866886	5.826017	6.175184	6.121538	6.107972
TAS1R3	ENSG0000	0.183566	1.503494	1.114944	0.279971	0.397253	-5.75066	1.681202	1.374745	1.706811	2.063099	2.117603	1.422231	1.648695	1.231675	1.674905	2.100009	2.011405	1.951531	2.51737	2.565626	2.647333	2.368215	1.981819	2.464474
TMEM42	ENSG0000	-0.32756	3.230413	-1.82803	0.084666	0.156855	-5.18516	4.029438	3.695626	3.755225	3.123142	3.053471	2.784269	3.474265	3.214961	3.199964	3.275122	3.414909	3.312021	3.640803	3.772912	3.525482	2.979529	3.458949	3.215882
MAP3K2	ENSG0000	-0.36802	6.722411	-2.96832	0.008427	0.025386	-3.71093	6.859408	6.793718	6.825793	6.375851	6.239272	6.423838	6.691778	6.76748	6.706336	7.04931	7.010459	6.936582	7.042116	7.150305	7.076032	6.393148	6.415487	6.504107
PUSL1	ENSG0000	0.101268	4.510598	0.95	0.355065	0.476419	-6.68131	4.006674	3.846899	4.201929	4.424898	4.573001	4.323123	4.045989	3.935218	4.042563	4.966032	4.866934	5.183964	4.893312	4.824228	4.836082	5.251384	5.121165	5.059556
SF3B5	ENSG0000	-0.11211	6.006673	-2.21984	0.039921	0.086888	-5.083	6.405248	6.341981	6.365652	6.164136	6.128283	6.000211	6.197609	6.173542	6.133632	5.905864	5.752405	5.949769	5.854531	5.841114	5.791038	5.879669	5.819927	5.834677
ZNF35	ENSG0000	0.456346	4.211316	4.964108	0.000109	0.000811	0.956606	3.613482	3.557914	3.431666	3.887325	3.901574	3.797394	4.034706	4.467202	4.482711	4.451587	4.479316	4.572373	4.805779	4.679032	4.845411	4.817667	4.706825	4.762652
TIGD4	ENSG0000	-0.07785	0.702816	-0.39163	0.700067	0.786051	-6.0686	1.602421	1.118985	1.256574	1.888135	1.437317	1.310092	1.588238	1.430416	1.564539	1.457372	1.467416	1.562415	1.524131	1.393161	1.247156	1.387593	1.024588	1.322858
IFFO2	ENSG0000	-0.758	6.934911	-5.00192	0.000101	0.00076	0.662476	7.757631	7.681088	7.699501	6.216001	6.11136	6.174461	6.202659	6.241253	6.306464	7.571674	7.569582	7.600692	6.550006	6.604381	6.62272	7.400662	7.361452	7.396365
NLGN2	ENSG0000	0.384493	4.77612	4.059606	0.000775	0.003806	-0.93694	5.583279	5.634949	5.56323	6.312288	6.272275	6.403488	6.059692	5.983638	6.033605	3.411958	3.741965	3.573456	3.809739	3.819851	3.644271	3.865871	3.786722	3.770842
CHD3	ENSG0000	0.580192	6.932404	4.263787	0.000496	0.002677	-0.89956	6.565692	6.485903	6.54806	7.92085	7.926963	7.897709	7.430275	7.481101	7.453882	6.365112	6.450203	6.422504	6.740096	6.672641	6.763063	6.610714	6.684725	6.598228
TMEM154	ENSG0000	0.234786	3.545482	2.259419	0.036894	0.08161	-4.63551	3.662849	3.568199	3.648527	2.577385	2.460774	2.652511	3.941119	4.050434	3.990155	4.125171	4.035189	4.012537	3.611602	3.731427	3.540876	4.23146	4.151298	4.229846
ALCAM	ENSG0000	-0.03065	6.888129	-0.14707	0.884758	0.923417	-7.46527	6.02962	5.983164	5.920865	7.507474	7.442154	7.458985	6.302469	6.223506	6.224904	7.379222	7.383585	7.403204	7.168306	7.210046	7.238863	7.056849	7.111054	7.18741
YWHAG	ENSG0000	0.044302	9.444662	0.677585	0.506906	0.622724	-7.41905	9.755655	9.734813	9.694191	9.885422	9.897525	9.867658	9.764963	9.808016	9.731078	9.19736	9.155505	9.184493	8.902975	8.892266	8.893339	9.221827	9.209496	9.247231
UBE2E3	ENSG0000	-0.12752	6.361378	-1.36132	0.190705	0.293898	-6.52128	6.262023	6.299401	6.212339	5.938549	5.876854	5.783733	5.697811	5.676339	5.776337	6.872441	6.868756	6.938848	6.50942	6.534742	6.48426	7.093596	7.025007	6.996997
CNTROB	ENSG0000	0.07201	4.711323	1.226184	0.236394	0.348258	-6.37455	4.69816	4.724521	4.86196	4.904536	4.928114	4.834637	4.956946	4.944392	4.99996	4.685565	4.623947	4.63239	4.74791	4.653345	4.775553	4.481413	4.672404	4.689552
TRAPPC1	ENSG0000	-0.09832	5.977194	-2.38346	0.028732	0.066945	-4.76403	6.010678	5.983164	5.999931	6.312288	6.278786	6.311829	5.882222	5.827914	5.906462	5.861941	5.724702	5.90644	6.25751	6.267213	6.199045	5.792948	5.68063	5.81333
SIMC1	ENSG0000	-0.12575	1.36211	-0.41292	0.684686	0.774336	-5.97756	4.327631	4.164126	4.418131	4.687901	4.580048	4.756563	4.045989	4.109604	4.243986	0.415169	0.330605	0.807652	0.294634	0.26996	0.651457	0.63264	0.504542	0.580851
TMEM192	ENSG0000	-0.25273	5.580403	-5.8112	1.87E-05	0.000206	2.542229	5.5935	5.572461	5.446484	5.536571	5.375591	5.411567	5.188389	5.368459	5.37174	5.89345	5.925581	5.924843	5.785607	5.906256	5.751886	5.659012	5.659306	5.637437
AC106795.	ENSG0000	-0.23587	3.40609	-3.17798	0.005357	0.017825	-2.89867	2.833249	2.784561	2.681399	2.103714	1.909591	2.196611	2.26554	2.389238	2.047395	5.055104	5.000678	5.195378	4.427684	4.612034	4.496442	5.018176	4.773297	4.996553
ZNF778	ENSG0000	-0.13695	4.083962	-1.57248	0.133766	0.223749	-5.86734	3.662849	3.804029	3.736403	3.51817	3.31232	3.349911	3.719464	3.786013	3.721038	4.799721	4.699561	4.750584	4.902986	4.804359	4.857757	4.422866	4.596923	4.726565
NIPA1	ENSG0000	0.132556	4.439057	1.171347	0.257181	0.37207	-5.89211	7.483835	7.563278	7.591712	7.773655	7.773288	7.790129	7.641187	7.643401	7.627762	1.388276	1.529011	1.759838	1.755315	1.710321	1.851631	2.135245	1.766644	2.033602
UBE2E1	ENSG0000	-0.17077	6.060212	-2.65488	0.0164	0.042961	-4.26164	6.519538	6.590513	6.456147	6.13504	6.046703	6.137973	6.148732	6.173542	6.079477	5.905864	5.958134	5.917969	5.824304	5.882764	5.832286	5.915499	5.970753	5.993056
HNRNPA3	ENSG0000	0.074436	8.37781	2.245368	0.037944	0.083438	-5.26658	8.38667	8.455292	8.402718	8.297006	8.2784	8.314906	8.517783	8.594049	8.596045	8.446682	8.381278	8.405587	8.168171	8.222056	8.180339	8.372276	8.415426	8.446851
SIK2	ENSG0000	0.699194	6.472436	3.803285	0.001361	0.005981	-1.84017	6.389204	6.371643	6.359515	7.731349	7.655647	7.770399	7.475831	7.535158	7.448065	5.818282	5.771644	5.708223	5.703571	5.71376	5.61313	5.971038	5.847615	5.96816
RNF150	ENSG0000	-0.05569	1.225324	-0.22231	0.826652	0.881419	-6.34092	0.742531	1.061904	1.028027	1.393812	1.2379	1.669505	0.269385	0.824004	0.629397	2.18395	2.285719	1.951531	4.483553	4.553723	4.427716	2.524879	2.146913	2.033602
AL512625.	ENSG0000	0.03278	1.545272	0.133614	0.895234	0.930247	-6.44425	1.010037	0.875715	1.30847	2.021307	2.264801	1.575618	1.459147	1.301009	1.314712	2.749986	2.590228	3.043904	2.24051	2.700737	2.330481	2.625227	2.585506	2.830235
CHRNB1	ENSG0000	0.458508	1.901244	2.712883	0.014517	0.039064	-3.28961	1.990546	1.947501	1.744977	2.359902	1.953662	2.532704	1.70672	1.658879	1.620777	1.91588	2.074736	2.07201	2.977243	3.173121	3.19663	2.794876	2.552239	2.706008
USP38	ENSG0000	0.494858	5.846362	8.18094	2.20E-07	6.50E-06	7.048578	5.177303	5.063109	5.207739	5.812513	5.760718	5.852905	5.897874	5.9217	5.745052	5.91203	5.963722	5.826724	6.315704	6.291205	6.267734	6.297541	6.235953	6.164701
SLC16A5	ENSG0000	-0.73297	4.337882	-8.46203	1.37E-07	4.52E-06	7.631589	3.983545	4.12982	3.955676	2.714828	2.71237	2.581827	3.219115	3.178579	3.199964	6.035795	5.932721	6.04222	5.414998	5.417203	5.397528	5.357309	5.391866	5.259054
NANP	ENSG0000	-0.26168	4.988627	-3.83037	0.001283	0.005714	-1.63699	5.304069	5.272573	5.194009	4.910272	4.739596	4.751204	5.043928	5.098392	5.188519	5.445717	5.442072	5.429264	4.565023	4.433832	4.539229	5.067422	5.072132	5.150886
ADRA1B	ENSG0000	-0.27073	2.862481	-3.64969	0.001908	0.007801	-2.0036	0.814199	1.374745	0.964748	1.256461	1.006428	0.746642	0.983587	1.001115	1.01237	6.199783	6.05815	6.224109	5.363378	5.241179	5.262439	5.987291	5.833837	5.81333
ADPRM	ENSG0000	-0.22998	2.230191	-1.74372	0.098769	0.177108	-5.00837	2.762544	2.91921	2.830836	3.083078	2.605925	2.825643	2.513265	2.938616	2.588518	2.282443	2.23117	2.34226	2.466086	2.344993	2.574402	2.317694	2.078458	1.775544
FABP6	ENSG0000	-0.52421	2.102731	-2.88674	0.010037	0.029174	-3.19565	2.762544	2.513665	2.621113	0.841981	0.828511	0.909432	1.966276	2.220554	1.826075	3.64455	3.532361	3.419749	2.626498	3.088026	2.942182	3.133504	2.972579	3.279535
PWWP2A	ENSG0000	0.467484	4.967569	6.010256	1.25E-05	0.000152	3.0379	4.428132	4.299916	4.249168	5.05192	5.044764	4.946703	4.96291	4.997573	4.967798	5.123134	5.128054	5.10547	5.206215	5.208795	5.229565	5.452087	5.453977	5.431488
USP47	ENSG0000	0.079451	5.813571	1.524106	0.145372	0.238513	-6.16574	6.050174	6.088736	6.0078	6.373776	6.30028	6.466969	6.089987	6.286829	6.231692	5.417818	5.50665	5.381764	5.551958	5.526348	5.553662	5.36976	5.456227	5.475641
PDCD6IP	ENSG0000	-0.10638	7.330025	-2.36936	0.029567	0.06842	-4.95249	7.500224	7.432173	7.449443	7.437701	7.336892	7.411371	7.257841	7.30876	7.393623	7.220573	7.287724	7.24056	7.377926	7.433996	7.490007	7.185682	7.170498	7.172398
ZNF212	ENSG0000	-0.03096	4.137984	-0.38263	0.70661	0.791323	-7.02564	3.774862	3.667203	3.83701	3.408969	3.188693	3.523386	3.841036	4.080322	3.832397	4.822817	4.796672	4.818593	4.795429	4.756906	4.801349	4.650836	4.729324	4.762652
FAM161A	ENSG0000	-0.34481	2.135744	-2.41553	0.026915	0.063605	-3.84128	2.917019	2.693541	2.681399	3.041869	2.881616	3.216292	2.412257	2.324112	2.440135	2.243849	2.320972	2.314614	2.009285	2.250257	2.058312	2.034568	2.006592	2.277588
ZNF282	ENSG0000	-0.01981	5.688378	-0.30067	0.767217	0.836649	-7.28287	5.912046	5.99274	6.023412	5.49519	5.617385	5.54451	5.840713	5.839612	5.956488	5.642139	5.593905	5.602163	5.707717	5.538426	5.622205	5.685817	5.643597	5.65194
GLB1	ENSG0000	0.119389	7.21642	3.173729	0.005406	0.017957	-3.30862	7.347816	7.353341	7.30443	7.592875	7.628715	7.595312	7.424884	7.359411	7.475965	6.788619	6.751718	6.859158	7.255841	7.216952	7.266906	6.938544	6.982713	6.936083
GON7	ENSG0000	-0.00479	4.567641	-0.05484	0.956887	0.972246	-7.14329	4.296689	4.136747	4.201929	4.448742	4.284653	4.586466	4.56045	4.428995	4.647437	5.068969	5.006104	5.016036	4.693208	4.774033	4.719156	4.817667	4.805418	4.853297
FAXDC2	ENSG0000	-0.40639	0.608745	-1.63098	0.120782	0.20704	-5.29851	0.667115	0.736739	0.679585	0.106501	0.828511	0.461789	0.106501	0.253663	0.106501	3.322191	3.348126	3.305013	3.845296	3.903166	3.87435	3.31616	3.022017	3.228839
CRTAP	ENSG0000	0.286081	7.751851	4.743725	0.000175	0.001175	0.116346	8.659611	8.749401	8.659065	9.309805	9.194729	9.253995	9.141989	9.13247	9.146829	6.341317	6.378811	6.43138	6.645301	6.609161	6.723134	6.471302	6.41433	6.44842
ELP5	ENSG0000	-0.2745	5.161766	-4.08685	0.00073	0.003624	-1.02152	6.26042	6.252341	6.270736	5.733834	5.600158	5.713835	6.065248	6.027768	6.056723	4.735102	4.532919	4.660116	4.260913	4.298341	4.41524	4.249541	4.377068	4.268007
CMTM8	ENSG0000	0.282381	4.286106	1.37765	0.185697	0.287894	-6.09322	3.041689	2.76681	2.883112	4.904536	5.099733	5.143594	3.474265	3.646467	3.832397	4.645413	4.752166	4.665597	5.298892	5.211312	5.236673	4.730238	4.758787	4.684858
GABARAP	ENSG0000	1.443259	2.178878	9.388599	3.03E-08	1.49E-06	9.010716	1.719036	1.631689	1.62731	3.325575	3.6964	3.335661	2.806512	3.178579	3.218306	1.352446	1.725977	1.718241	2.892375	3.065945	2.821313	2.479639	2.315011	2.464474
STX8	ENSG0000	-0.03739	4.561557	-0.43819	0.666616	0.76036	-6.92788	5.246942	5.250391	5.204319	5.185634	5.194607	5.35617	5.060712	5.078784	5.18386	3.851231	3.970058	3.829308	4.337818	4.288839	4.368551	3.877544	3.863317	4.177341
CDK1	ENSG0000	-0.06312	5.779849	-0.26438	0.794583	0.857172	-7.27837	7.200137	7.176409	7.10885	6.352868	6.329843	6.178459	7.260265	7.364481	7.178636	5.857155	5.798468	5.818136	2.760241	3.088026	2.942182	5.494399	5.509197	5.560088
UBB	ENSG0000	0.042788	9.405736	1.091274	0.289968	0.408266	-7.0515	9.56708	9.581744	9.545846	9.595087	9.557826	9.517118	9.695686	9.673139	9.717643	9.306575	9.165843	9.168293	9.216547	9.278104	9.242208	9.163274	9.1617	9.18958
NFRKB	ENSG0000	-0.08931	5.674039	-1.67714	0.111307	0.194211	-5.98268	5.406168	5.31594	5.393406	5.161789	5.124043	5.223158	5.486326	5.356295	5.412136	6.152384	6.206905	6.136029	6.175078	6.018303	6.102489	5.980541	6.001889	6.019396
PRDM10	ENSG0000	0.232637	3.706827	2.023169	0.058626	0.117656	-5.02588	3.361722	3.298545	3.25779	3.456785	3.988879	3.797394	3.571163	3.431409	3.340558	4.172174	4.082178	4.09204	4.097807	3.766081	3.974116	4.382472	4.273707	4.428245
B3GNT2	ENSG0000	0.322752	4.362281	6.165944	9.16E-06	0.00012	3.421415	3.593253	3.557914	3.533304	4.161901	3.978251	3.936085	3.841036	3.924273	3.82044	4.826087	4.793538	4.852633	5.326113	5.115127	5.274	5.215041	5.066252	5.11295
FOS	ENSG0000	0.722488	1.794118	4.402154	0.000366	0.002106	0.186923	1.336422	1.327092	1.667608	1.933905	2.229385	1.880533	2.01302	2.357042	2.165532	2.320032	2.437987	2.382761	2.542344	2.363215	2.07955	3.063688	2.841019	2.528753
TMED10	ENSG0000	0.376512	8.389015	5.261925	5.81E-05	0.000493	1.136121	7.813348	7.748774	7.664459	8.625485	8.558548	8.622439	8.25519	8.276142	8.296534	8.413106	8.412	8.373707	8.694415	8.708715	8.714189	8.624952	8.634149	8.648356
SETMAR	ENSG0000	-0.0463	3.290828	-0.55297	0.587291	0.692396	-6.62002	3.454357	3.235413	3.500214	3.392671	3.47236	3.523386	3.586698	3.40015	3.236418	3.312899	3.373534	3.476988	3.778549	3.520297	3.629946	3.31616	3.317614	3.328509
SMAD1	ENSG0000	-0.38026	3.830876	-4.7028	0.000191	0.00126	0.576764	4.664623	4.796272	4.696533	4.416862	4.515354	4.337497	4.330652	4.175703	4.22597	3.552807	3.455132	3.45816	3.346841	3.495729	3.629946	3.281432	3.366281	3.176297
CST1	ENSG0000	1.153051	-1.31196	2.637893	0.016994	0.044221	-3.05361	2.296082	1.915637	2.079636	1.519216	1.437317	2.064596	3.277716	2.825515	3.69508	0.269074	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
TCAF2	ENSG0000	1.202882	2.356689	6.798122	2.68E-06	4.72E-05	4.894137	3.967917	3.863696	3.93931	4.272916	4.020303	3.926609	4.998191	5.013152	4.929347	0.609835	1.369793	0.846782	1.154653	1.320413	1.17005	1.970607	1.737342	1.81044
SEMA3E	ENSG0000	-0.30099	3.146105	-1.1123	0.281075	0.398343	-6.15978	2.965042	3.114308	2.883112	2.887595	2.398361	2.557474	3.277716	3.26787	3.218306	3.471629	3.576789	3.445469	4.502766	4.600559	4.558265	2.946659	3.127424	2.944608
LRRN2	ENSG0000	-0.04956	-1.59706	-0.12448	0.902355	0.935389	-5.81916	1.681202	1.551021	1.453818	2.661411	2.549605	2.763128	1.762502	1.760835	1.445026	0.190076	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SLC30A1	ENSG0000	0.134205	7.87978	1.586795	0.130485	0.219784	-6.3165	8.85014	8.753914	8.760363	7.865829	7.774057	7.848376	9.117799	9.181267	9.176447	7.566308	7.443795	7.50456	6.576695	6.709608	6.707018	7.400156	7.337853	7.396365
DCLK2	ENSG0000	-0.63017	2.550978	-2.28833	0.03482	0.078014	-3.9374	5.891483	5.848305	5.891391	5.420792	5.438974	5.272617	5.30568	5.344028	5.169792	0.781331	0.89579	0.846782	1.308151	1.282615	1.247156	0.63264	0.924142	0.315289
ZNF804A	ENSG0000	1.060481	-1.267	3.161227	0.005555	0.018323	-2.09236	1.681202	1.708084	1.744977	2.48816	2.605925	2.557474	2.637802	2.938616	2.501332	0.106501	0.106501	0.16959	0.171976	0.106501	0.106501	0.106501	0.106501	0.214669
GPRC5C	ENSG0000	-0.41755	6.046618	-7.61561	5.93E-07	1.43E-05	6.018832	6.460736	6.399268	6.409383	5.821673	6.064398	5.897242	6.059692	6.092752	5.937239	6.267483	6.226791	6.241648	6.045689	5.967096	5.899512	5.853309	5.87814	5.724636
TMEM182	ENSG0000	0.534035	3.265345	4.753985	0.000171	0.001156	0.75336	3.509372	3.114308	3.044832	3.619685	3.588725	3.321269	3.705302	3.619579	3.708117	2.955028	3.086546	2.86487	3.680716	3.560336	3.6725	3.272618	3.485627	3.679412
KRT8	ENSG0000	-0.91764	10.5658	-3.42628	0.003116	0.011572	-2.99975	11.85062	11.80408	11.8477	10.28711	10.49068	10.26241	9.790343	9.758806	9.830372	10.46637	10.41503	10.46077	10.40031	10.40008	10.3705	10.57802	10.61488	10.57545
ADORA2B	ENSG0000	-0.22143	4.09692	-1.68015	0.110712	0.193433	-5.77646	4.219602	4.204245	4.222364	2.661411	2.948483	2.998412	2.957542	3.384264	3.104585	5.165048	5.137972	5.324005	4.527992	4.51757	4.419411	5.388239	5.269267	5.177863
MGMT	ENSG0000	-0.41443	3.801784	-2.15218	0.045629	0.09641	-4.64272	5.313374	5.303682	5.16263	4.502891	4.694855	4.434292	4.751751	4.905964	4.967798	2.990428	2.900983	3.043904	3.332595	3.445301	3.263113	2.692858	2.680939	2.419973
METTL7B	ENSG0000	-0.4906	2.275892	-3.25051	0.004575	0.015685	-2.49468	1.336422	1.465573	1.453818	1.888135	1.666451	1.714252	1.588238	1.491012	0.629397	4.252132	4.287703	4.303708	3.53901	3.717329	3.608189	3.730814	3.88352	3.840032
KRT86	ENSG0000	1.552281	1.53622	8.526797	1.23E-07	4.19E-06	7.699568	1.861169	1.226787	1.499186	1.791994	1.817192	2.098749	2.513265	2.255906	2.560038	1.158593	1.265082	1.585733	2.193986	2.169719	2.399663	2.866919	2.392244	2.528753
HARS1	ENSG0000	-0.05051	7.431941	-1.60575	0.126244	0.214186	-6.27836	7.30103	7.263636	7.26967	6.887089	6.866462	6.962751	7.146943	7.189271	7.226993	7.837322	7.86359	7.824547	7.608623	7.604539	7.611632	7.849781	7.818086	7.802249
NFXL1	ENSG0000	-0.46205	5.578407	-6.44043	5.34E-06	7.80E-05	3.788627	5.71081	5.692494	5.676178	4.626508	4.675247	4.735009	4.83866	4.976535	4.951444	6.441708	6.353497	6.425738	5.810235	5.828053	5.872388	6.081143	6.145437	6.179793
DENND5B	ENSG0000	0.426936	4.337488	2.89791	0.0098	0.028644	-3.26719	5.259834	5.281977	5.207739	6.426761	6.302412	6.50726	5.774426	5.851216	5.961941	3.091698	3.023743	2.948194	3.251622	3.223865	3.421201	2.719047	2.799093	3.035906
CD14	ENSG0000	0.921411	2.450272	5.177028	6.95E-05	0.000568	1.799054	2.833249	3.012542	2.982302	3.727576	3.878897	3.936085	3.928981	3.967564	3.946814	1.676063	1.827525	1.986992	1.711947	1.871771	1.639204	2.115663	2.465551	2.091498
DNAJC18	ENSG0000	0.620708	2.623353	5.963888	1.37E-05	0.000163	3.321752	1.791852	2.039077	1.78216	3.376187	2.991399	3.051692	2.576877	2.481727	2.501332	2.620402	2.687979	2.806521	3.768	3.772912	3.933868	3.181381	2.985098	3.328509
RIOX1	ENSG0000	0.226679	4.876542	4.119667	0.000679	0.003423	-0.96585	4.69816	4.847837	4.808898	5.020445	4.928114	4.956049	4.8959	4.960553	4.929347	4.880563	4.806033	4.862213	5.000827	4.925808	4.817241	5.217339	5.057388	5.06679
SPATA24	ENSG0000	-0.07815	1.762857	-0.45159	0.657119	0.752722	-6.24727	2.109269	2.308123	1.62731	2.359902	2.811499	2.532704	2.058296	1.549165	2.087859	1.891119	1.945166	2.198406	2.51737	2.549802	2.23906	1.809319	2.124453	2.119598
RALGAPB	ENSG0000	-0.15715	6.730162	-3.24341	0.004646	0.015898	-3.12568	6.627923	6.541767	6.62042	6.944119	6.735318	6.993711	6.41117	6.467323	6.387717	6.812716	6.919232	6.811122	6.975485	7.041353	6.990319	6.693945	6.635939	6.787461
PYM1	ENSG0000	-0.22341	5.165614	-2.76616	0.012972	0.03583	-3.9222	5.501516	5.401827	5.600136	4.784753	4.807214	4.72411	5.066264	5.053893	5.229787	5.393783	5.310132	5.41143	5.202303	5.208795	5.205617	5.306398	5.356168	5.164438
KRT4	ENSG0000	-1.80028	1.281858	-13.6764	9.04E-11	1.87E-08	14.94053	0.216396	0.582935	0.106501	0.395333	0.730585	0.3528	0.106501	0.106501	0.106501	6.100676	5.946895	6.098018	5.940413	5.852446	5.800662	4.315393	4.328771	4.21038
NPAS2	ENSG0000	-0.3845	6.784742	-3.06128	0.006897	0.021691	-3.42704	8.566048	8.53348	8.602698	7.982723	7.968502	7.945411	7.951282	7.877035	7.988586	5.293423	5.363942	5.386751	5.669971	5.67599	5.629423	5.302073	5.394214	5.356727
LONRF2	ENSG0000	0.343367	1.953863	1.059885	0.303625	0.422812	-5.486	5.713155	5.711177	5.771708	6.679412	6.493661	6.710052	6.182352	6.116987	6.089476	0.54782	0.462741	0.397516	0.407676	0.190544	0.470356	0.183756	0.358227	0.214669
NUDT9	ENSG0000	-0.04181	5.659542	-0.70217	0.491822	0.609238	-7.03939	5.887335	5.956007	5.887131	6.1997	6.219102	6.068583	5.774426	5.888297	6.004837	5.364851	5.473744	5.456399	5.373851	5.388576	5.36978	5.404468	5.331868	5.362617
PA2G4	ENSG0000	-0.43494	7.782559	-10.0953	1.03E-08	6.69E-07	10.05108	8.464255	8.469764	8.444631	7.598215	7.72404	7.616831	7.930886	7.898165	7.863793	7.962557	7.853092	7.9458	7.193652	7.189768	7.225825	7.649879	7.590198	7.590817
COX7B2	ENSG0000	0.004979	0.364943	0.06155	0.951619	0.968621	-7.02431	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	4.85838	4.869913	5.016036	4.739835	4.80769	4.807727	4.879929	4.897703	4.865793
ELOVL6	ENSG0000	0.274664	5.024231	4.076437	0.000747	0.003697	-1.11317	4.538049	4.609725	4.595711	4.809518	4.992907	4.745826	4.938902	4.819999	4.758139	5.364851	5.314511	5.344656	5.27674	5.162721	5.171406	5.600342	5.595419	5.63257
KRT83	ENSG0000	-1.13498	0.788793	-3.35844	0.003614	0.012976	-1.79569	2.345296	2.76681	2.469799	1.634586	1.498102	1.475193	1.762502	1.301009	1.171446	1.278001	1.152172	1.158083	1.420179	1.560439	1.580823	0.517985	1.206659	1.115245
PFKFB3	ENSG0000	0.082745	6.897344	1.59479	0.128681	0.217286	-6.26164	6.583748	6.629094	6.578763	5.892928	6.135476	6.094204	6.55434	6.429119	6.535834	7.492095	7.607105	7.553427	7.055731	6.993898	6.995915	7.743754	7.759625	7.760474
TMC7	ENSG0000	-0.51855	5.245127	-3.01022	0.007701	0.023597	-3.37089	5.364998	5.485601	5.344527	6.225234	5.981675	6.133861	5.115291	4.894793	4.989319	5.400378	5.419887	5.468994	5.012045	4.847068	5.017597	4.874113	4.747809	4.819433
ARL6IP1	ENSG0000	0.163335	7.397885	1.921063	0.071188	0.136962	-5.76863	7.504293	7.528807	7.415088	7.344394	7.246777	7.33194	7.94903	7.940199	7.90259	7.58138	7.505427	7.50876	6.71903	6.806847	6.773689	7.422242	7.439715	7.405666
SERPINB9	ENSG0000	0.603751	0.459937	3.216589	0.004925	0.016683	-2.02374	5.983734	5.973524	5.957896	5.290513	5.367468	5.404757	6.552364	6.530034	6.651711	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SMAGP	ENSG0000	-0.22348	4.69012	-2.47006	0.024071	0.058266	-4.50744	4.302931	4.150501	4.188143	3.408969	3.362223	3.321269	3.474265	3.592179	3.406029	5.936438	5.865664	5.930545	5.681258	5.878019	5.740264	5.882568	5.866346	5.785098
CDH2	ENSG0000	-0.07033	2.127714	-0.22498	0.824606	0.880087	-6.51628	1.286899	1.002471	0.964748	2.688367	3.112982	3.103073	1.588238	1.85606	1.445026	3.102524	3.356645	3.400153	3.165832	3.162755	3.234995	2.890155	3.022017	2.863849
IRX2	ENSG0000	0.248782	0.07951	1.403246	0.17806	0.279245	-5.05677	5.008072	5.106095	5.264677	5.290513	5.157403	5.076625	5.37889	5.285358	5.431918	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
EMB	ENSG0000	0.135756	6.146299	2.030909	0.05776	0.116216	-5.45811	5.313374	5.201677	5.20089	5.797117	5.77614	5.770552	5.36994	5.612996	5.439755	6.509367	6.62434	6.455315	7.340594	7.3869	7.422006	6.563618	6.656631	6.61683
SIX2	ENSG0000	0.229778	1.142284	0.606667	0.551872	0.6622	-6.21791	0.41387	0.410755	0.219246	1.978268	1.909591	1.880533	0.886508	1.001115	0.833554	2.558849	3.086546	3.157196	2.911671	2.784257	2.589286	2.957699	2.711397	2.610232
DLGAP1	ENSG0000	0.340968	-0.51626	0.912917	0.373708	0.496152	-5.44904	1.826927	2.152784	1.954926	1.888135	1.768674	1.422231	2.779728	2.357042	2.560038	0.269074	0.259702	0.449284	0.352262	0.190544	0.404558	0.183756	0.19538	0.214669
STAT2	ENSG0000	0.236503	4.85878	2.811987	0.01177	0.033111	-3.80695	3.43175	3.335139	3.270929	4.584077	4.478119	4.386706	3.788265	4.166444	3.979442	5.600742	5.83093	5.568909	6.348819	6.268422	6.300889	5.70232	5.753789	5.85153
NUDCD2	ENSG0000	-0.30196	5.183166	-4.0818	0.000738	0.00366	-1.09092	5.932319	5.891946	5.81496	5.067404	5.152684	5.159862	5.333571	5.495903	5.574002	5.183009	5.074835	5.111508	4.808355	4.866361	4.788509	4.996928	5.012228	4.784756
IRF2BP1	ENSG0000	0.147428	4.788334	1.525489	0.145029	0.238252	-6.01828	4.600191	4.677795	4.647003	4.727426	4.987618	4.543715	4.702691	4.444399	4.889843	4.663802	4.748933	4.909182	5.214008	5.216333	5.255457	5.20581	5.02441	4.698895
HSPA4	ENSG0000	-0.0499	8.858761	-0.68695	0.501126	0.617755	-7.37751	8.962589	8.985937	8.948952	9.361749	9.249897	9.233486	8.800239	8.849343	8.84283	8.722546	8.697514	8.710778	8.639595	8.659104	8.632119	8.758985	8.676496	8.784027
COMMD5	ENSG0000	-0.15748	5.701643	-2.94687	0.008824	0.026315	-3.65944	5.246942	5.29442	5.16263	4.904536	5.221894	5.068031	5.026946	4.837607	4.945952	6.447027	6.368317	6.458476	6.460307	6.348353	6.380055	6.417342	6.363693	6.24183
GTSF1	ENSG0000	0.012314	0.426449	0.213456	0.833441	0.886072	-7.04924	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.133727	5.092794	5.320535	5.062552	5.131167	5.055606	5.194188	5.104049	5.252725
DPY19L2P2	ENSG0000	-0.58829	0.229965	-2.15844	0.045071	0.095461	-4.0191	1.12723	1.551021	1.202741	1.104644	1.307481	1.475193	0.983587	1.082132	0.925731	1.423238	1.369793	1.562415	1.088368	0.7293	0.707101	0.837776	1.581179	0.93723
ZNF16	ENSG0000	-0.05899	3.930693	-0.88556	0.387879	0.509552	-6.63493	3.774862	3.872022	3.707702	3.425084	3.34578	3.472196	3.523527	3.521314	3.437684	4.464232	4.407337	4.586891	4.467344	4.513497	4.411058	4.511692	4.547132	4.562249
ARMC10	ENSG0000	-0.17613	5.919871	-1.66931	0.112869	0.196312	-5.99585	6.3789	6.396385	6.413832	5.913065	5.741991	5.882614	5.916435	5.983638	5.914921	5.733768	5.699809	5.724072	5.987775	5.983386	5.942167	5.792948	5.825159	5.77188
RNF34	ENSG0000	-0.14111	5.30705	-2.52203	0.021626	0.053465	-4.44138	5.509634	5.557053	5.573871	4.938614	5.152684	4.859751	5.422829	5.450851	5.420081	5.745902	5.68973	5.671915	4.890883	4.777434	4.917949	5.444259	5.6177	5.572848
ACYP2	ENSG0000	-0.77501	2.786943	-9.15376	4.40E-08	1.97E-06	8.899543	3.156438	3.027527	3.162305	2.661411	2.686486	2.346268	2.186178	2.184314	2.560038	3.772076	3.647924	3.819506	3.083152	3.213858	3.137101	3.16242	3.138674	3.050576
TRABD	ENSG0000	-0.03247	5.381939	-0.42488	0.676109	0.767194	-7.1836	5.337898	5.407565	5.522611	5.320976	5.565074	5.298562	5.120637	5.164994	5.193163	5.326119	5.303538	5.564514	5.585386	5.61266	5.60033	5.589736	5.629711	5.371408
NA	ENSG0000	-0.07268	0.951675	-0.4049	0.690465	0.778769	-6.13562	0.947665	1.061904	0.898566	1.74141	1.373859	1.623325	1.389995	1.001115	1.171446	1.555182	1.989662	1.67541	2.661114	2.756951	2.716753	1.387593	1.547811	1.665483
ATF7	ENSG0000	0.040978	4.905527	0.552172	0.587822	0.692732	-6.96464	5.38573	5.312885	5.251481	5.740289	5.532753	5.716587	5.473848	5.443204	5.463015	4.443094	4.562677	4.444286	4.464081	4.381153	4.464508	4.522885	4.338561	4.305185
SOCS6	ENSG0000	0.1041	5.860798	1.996689	0.061676	0.122466	-5.40848	6.344518	6.305561	6.435874	6.594678	6.592794	6.675109	6.487637	6.555084	6.557606	5.1779	5.184173	5.111508	5.520882	5.352544	5.574382	5.15875	5.176796	5.194471
ZNF296	ENSG0000	-0.00481	1.986659	-0.02894	0.977243	0.985128	-6.56043	2.109269	2.206444	2.492412	1.393812	1.909591	1.919272	2.01302	1.430416	2.309357	2.635389	2.741	2.920951	2.452975	2.533802	2.330481	3.236813	2.908298	2.629903
HOXB9	ENSG0000	-0.63307	-1.28682	-2.37067	0.029488	0.068282	-3.51736	2.707144	2.819419	2.492412	2.48816	2.490996	2.481849	1.917967	2.147141	2.165532	0.106501	0.106501	0.16959	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
POLH	ENSG0000	-0.04589	4.251788	-0.57562	0.572208	0.680638	-6.82714	4.888652	5.022548	4.917323	4.733909	4.544465	4.761901	4.772276	4.819999	4.923769	3.926269	4.122698	3.999574	3.507651	3.375198	3.571181	4.000079	3.967936	4.157149
KCNS3	ENSG0000	-0.80304	2.511021	-4.36991	0.000393	0.002224	0.020358	2.949211	2.9974	3.06005	2.325974	1.768674	2.258349	1.966276	2.069791	2.202855	3.303547	3.044983	3.393562	3.53901	3.576046	3.353069	2.625227	2.680939	2.760563
KIF5B	ENSG0000	-0.03515	7.977306	-1.00549	0.328379	0.448342	-7.05212	8.278388	8.26491	8.283795	7.973165	7.913776	7.998952	8.321687	8.349058	8.260481	7.909605	7.930741	7.888646	7.61305	7.639069	7.648073	7.761975	7.839359	7.824827
GPR37	ENSG0000	0.898506	5.36681	4.662654	0.000208	0.00134	0.222889	4.992709	4.949684	4.974661	6.530955	6.537759	6.499291	6.550384	6.515521	6.51001	4.61171	4.599033	4.395637	5.411614	5.29912	5.278599	4.552316	4.517274	4.627304
AKAP13	ENSG0000	-0.38851	7.422516	-5.5161	3.42E-05	0.000331	1.745854	7.51643	7.576712	7.667567	7.429736	7.473711	7.681642	7.453763	7.392547	7.408676	7.635958	7.746925	7.452395	7.441952	7.376284	7.431329	7.032907	7.020453	7.024194
CDCA4	ENSG0000	-0.26048	5.858054	-3.11233	0.006176	0.019952	-3.3678	6.26042	6.143066	6.259244	4.367681	4.7142	4.562192	5.605504	5.535999	5.660384	6.771763	6.818764	6.950683	5.252352	5.370673	5.236673	6.859077	6.819283	6.800538
SDR16C5	ENSG0000	0.069806	0.740749	0.510767	0.615905	0.716987	-6.68854	0.41387	0.410755	0.323815	0.106501	0.25478	0.2349	0.269385	0.387194	0.256032	3.77884	3.695711	3.674791	4.534231	4.358622	4.476566	3.6717	3.870083	3.865145
CHCHD7	ENSG0000	-0.04741	4.882047	-0.9122	0.374076	0.496502	-6.83359	3.810347	3.804029	3.819232	4.190466	3.988879	4.096805	3.928981	4.080322	3.968647	5.952982	5.862677	5.931683	6.014793	6.140876	6.000398	5.731559	5.819927	5.845233
FOXN2	ENSG0000	0.238156	4.893067	3.789757	0.001402	0.006127	-1.71271	5.075249	5.070363	5.037516	4.612502	4.720591	4.627987	5.478019	5.506949	5.383978	5.046721	5.035583	5.103452	4.230502	4.298341	4.288734	5.09268	5.143675	5.246367
USP32	ENSG0000	0.05896	5.743401	0.966057	0.347193	0.468388	-6.86434	5.297832	5.288212	5.30675	5.797117	5.713437	5.875244	5.490461	5.546744	5.493457	6.035795	6.033125	5.894818	6.147876	6.082954	6.081589	5.884016	6.004966	5.913032

CEL	ENSG0000	0.198362	0.318166	0.463343	0.648836	0.745753	-5.98147	1.519087	1.173893	2.079636	1.182548	0.828511	0.657796	0.670238	1.231675	1.674905	0.88529	1.029669	0.639567	1.621093	1.528499	1.749324	1.177011	1.368306	1.222783
PPM1D	ENSG0000	0.110935	4.871949	1.862371	0.079449	0.149662	-5.51633	5.32875	5.218099	5.3383	4.87551	4.764552	4.894191	5.494585	5.380521	5.673738	4.762664	4.806033	4.755733	4.348478	4.255082	4.411058	4.777733	4.740443	4.806527
GPR27	ENSG0000	0.079591	-1.01722	0.276114	0.785699	0.850552	-5.8579	2.629805	2.784561	2.621113	3.503067	3.574682	3.711713	2.832807	2.938616	2.560038	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC093323.	ENSG0000	-0.37894	5.050985	-5.08603	8.42E-05	0.000663	1.017582	4.12413	4.412648	4.281987	3.933121	3.956756	4.000731	3.774765	3.90213	3.935772	6.565216	6.713262	6.530091	5.729627	5.686883	5.725182	6.215985	6.274712	6.193077
KBTBD2	ENSG0000	0.18356	5.489625	2.457098	0.02472	0.059505	-4.53734	5.885257	6.043381	5.93744	5.85774	5.865364	5.937902	6.351036	6.405702	6.31288	5.123134	5.188951	5.079012	4.761267	4.736081	4.804542	5.122419	4.940116	5.102428
RIOX2	ENSG0000	-0.09562	5.821964	-1.00615	0.328072	0.448051	-6.81977	6.285853	6.356888	6.298269	5.746715	5.785315	5.825123	6.116986	6.166593	6.074452	5.66057	5.502818	5.531872	5.736406	5.754024	5.72012	5.533662	5.534971	5.644707
TRIAP1	ENSG0000	-0.28627	6.229697	-4.5592	0.000261	0.001598	-0.16953	7.166301	7.23245	7.143195	6.762618	6.792555	6.812646	6.765297	6.703301	6.658443	5.709189	5.636504	5.722758	5.497128	5.572109	5.457569	5.60386	5.58723	5.706224
LSM3	ENSG0000	-0.14817	5.385049	-3.33181	0.003831	0.013615	-2.78543	5.51233	5.575013	5.549817	5.004446	5.044764	5.00189	5.267633	5.45466	5.556087	5.712726	5.667648	5.770599	5.256131	5.253444	5.280893	5.566486	5.493948	5.605504
KIAA0232	ENSG0000	0.024194	6.561261	0.289333	0.77573	0.842771	-7.38838	6.910376	6.884992	6.867476	6.733796	6.732159	6.848215	7.166459	7.224273	7.191458	6.362863	6.364099	6.293907	6.179064	6.1991	6.194185	6.072282	6.008036	6.164701
TMEM43	ENSG0000	-0.09531	6.684901	-1.13386	0.272168	0.388932	-6.80963	6.849848	6.892174	6.810127	6.410664	6.523209	6.433907	6.548402	6.752088	6.678454	6.655279	6.675457	6.676421	6.881975	6.929624	6.891706	6.69971	6.643857	6.636412
RNF139	ENSG0000	0.506218	5.842166	13.36675	1.31E-10	2.41E-08	14.61065	5.187459	5.091908	5.116065	5.797117	5.697326	5.680396	5.63569	5.581992	5.660384	5.887203	5.91264	5.917969	6.470101	6.42842	6.374696	6.475148	6.354073	6.377466
RPS9	ENSG0000	-0.06722	8.829087	-1.29286	0.212888	0.320797	-6.78414	9.121999	9.068854	9.109785	8.784227	8.9116	8.727473	9.040583	9.008082	8.989869	8.749055	8.654977	8.686885	8.700321	8.753226	8.724969	8.632507	8.667543	8.651066
TSEN34	ENSG0000	-0.39764	6.15677	-6.17816	8.94E-06	0.000118	3.213827	5.983734	6.083368	6.033084	5.608898	5.836231	5.608136	5.523124	5.376512	5.451432	6.645134	6.717402	6.846544	6.670298	6.685371	6.748219	6.555465	6.483245	6.361377
GSTA4	ENSG0000	-0.62317	3.501896	-8.80068	7.79E-08	3.06E-06	8.331769	3.43175	3.323044	3.309643	3.083078	2.991399	3.200652	3.137083	3.002451	2.846105	4.513734	4.331577	4.428251	4.097807	4.250194	4.213876	3.685048	3.808018	3.805852
MSANTD4	ENSG0000	-0.03307	5.151247	-0.56965	0.576163	0.683743	-7.08175	4.683882	4.830853	4.616447	4.915985	5.029402	4.93257	4.730929	4.728586	4.813478	5.495847	5.516188	5.4389	5.855776	5.971557	5.711642	5.482982	5.322033	5.420236
NDUFA3	ENSG0000	0.078007	5.463064	1.657845	0.115187	0.199418	-5.95523	5.190829	5.355074	5.234814	5.420792	5.419464	5.283793	5.310366	5.327507	5.338588	5.608358	5.4835	5.564514	5.910753	5.788145	5.794253	5.64542	5.633692	5.63257
NUDT6	ENSG0000	-0.68021	3.446402	-4.53009	0.000278	0.00168	0.35991	5.596044	5.567343	5.681107	4.833866	4.776871	4.913508	4.825625	4.747338	4.764393	2.18395	2.249583	2.228347	2.044674	2.381211	2.312654	2.095813	2.169028	2.374055
TPT1-AS1	ENSG0000	0.208301	1.429534	1.382502	0.184229	0.28618	-5.36264	1.959273	1.849715	1.744977	1.840866	2.264801	2.164723	1.966276	1.85606	1.620777	1.646779	1.699433	1.585733	2.270712	2.190279	1.876113	2.095813	1.707432	1.942153
TANC2	ENSG0000	0.127051	6.059129	2.277803	0.035562	0.079218	-5.01069	4.803168	4.80064	4.866295	5.569568	5.554381	5.751893	4.765467	4.747338	4.700591	6.822571	6.835621	6.594014	7.67435	7.596859	7.63558	6.922433	7.002091	6.94298
DNAJC24	ENSG0000	0.529489	3.189605	4.66684	0.000206	0.001332	0.616464	3.719942	3.741788	3.489013	3.740513	3.734793	3.797394	4.358069	4.238905	4.063004	2.427256	2.804649	2.522234	3.100071	2.837366	3.010124	2.878584	3.009816	2.975687
ZNF160	ENSG0000	0.269749	4.367414	3.338845	0.003773	0.01345	-2.62958	3.373632	3.704977	3.511328	3.966538	3.574682	3.848471	3.19904	3.724251	3.406029	4.971948	5.051412	4.974681	5.626839	5.50599	5.587414	5.226496	5.435851	5.445432
ZNF415	ENSG0000	0.576094	-0.04475	5.386201	4.48E-05	0.000408	2.042939	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.77884	3.398501	3.579277	4.489986	4.501207	4.523816	4.083081	4.156841	4.242679
CAVIN3	ENSG0000	0.931589	-0.11406	3.69676	0.001721	0.007179	-1.33914	0.106501	0.106501	0.219246	0.258133	0.512209	0.2349	0.269385	0.106501	0.256032	2.574485	2.991286	3.149392	2.399306	2.714997	2.481722	3.940112	3.690624	3.455199
PDGFD	ENSG0000	-0.06969	2.523206	-0.37668	0.710945	0.794881	-6.5481	1.561356	1.591918	2.079636	2.714828	3.278066	3.231764	2.01302	1.658879	2.087859	3.420635	3.065914	3.346558	3.593793	3.703092	3.740748	3.053433	3.127424	3.149291
PLAC1	ENSG0000	0.062651	1.71998	0.299585	0.768028	0.837276	-6.42523	2.021155	1.849715	2.109199	1.326771	1.373859	1.250575	2.545421	2.255906	2.165532	2.392392	2.249583	2.369387	2.661114	2.517623	2.604018	2.211015	2.315011	2.226823
HS6ST2	ENSG0000	-0.10428	6.124095	-2.36334	0.02993	0.069003	-4.85904	5.899743	5.893992	5.86564	5.815573	5.868245	5.902086	5.609312	5.749473	5.794788	6.501209	6.539897	6.594014	6.373383	6.371043	6.39813	6.512126	6.440703	6.49609
PYGO1	ENSG0000	0.193376	3.364376	1.187539	0.250904	0.365252	-5.94639	4.776503	4.594711	4.647003	4.857809	4.877535	4.923071	4.986526	4.784126	4.674259	2.574485	2.388995	2.30059	1.935792	1.921808	1.923865	2.794876	2.48331	2.724423
LRRC8E	ENSG0000	0.528989	3.483417	5.010247	9.89E-05	0.000751	1.240543	3.056542	2.71221	2.661582	3.875646	3.878897	3.848471	3.490873	3.491964	3.468658	3.420635	3.509623	3.71764	4.002038	4.127629	4.083285	4.031767	3.779553	3.961444
PKIA	ENSG0000	0.523381	2.768399	4.859253	0.000137	0.000972	1.107822	3.476616	3.298545	3.25779	4.009923	3.683372	4.027574	3.841036	3.646467	4.042563	2.01088	2.074736	2.136592	2.42639	2.398985	2.330481	2.400938	2.429363	2.549558
XKR6	ENSG0000	-0.07517	1.119263	-0.38713	0.703333	0.788572	-6.14978	1.681202	1.591918	1.667608	2.21912	1.864131	1.475193	1.762502	1.15884	1.314712	1.586365	1.588084	1.562415	2.162115	1.846087	2.014873	1.759719	1.90484	1.322858
TSNARE1	ENSG0000	-0.20465	2.892711	-1.80429	0.088447	0.162027	-5.17548	2.933205	2.730641	3.104764	2.887595	2.737798	2.481849	2.576877	2.451551	2.616448	3.367773	3.455132	3.240362	3.768	3.793216	3.68641	3.333216	3.193646	3.241681
FPR1	ENSG0000	-0.44843	-0.71173	-2.77205	0.012811	0.035479	-3.24256	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	3.196464	3.15652	3.325935	2.614772	2.938056	2.633039	2.75746	2.535313	2.760563
FEZ2	ENSG0000	-0.2881	6.07135	-2.29879	0.034096	0.076694	-4.91246	7.068027	7.106683	7.07554	6.500859	6.519549	6.486449	6.404611	6.504541	6.439449	5.302841	5.425972	5.39172	5.638468	5.697694	5.685908	5.479156	5.54346	5.448204
SOX7	ENSG0000	-0.51461	0.533214	-1.95499	0.066769	0.130255	-4.26068	4.158957	4.051346	4.394314	2.955742	3.053471	3.247073	3.747379	3.879643	3.4839	0.483018	0.259702	0.34382	0.234608	0.26996	0.263213	0.183756	0.433238	0.315289
C11orf24	ENSG0000	0.041055	6.123725	0.32217	0.751145	0.82557	-7.35398	5.653347	5.734195	5.666267	6.147234	6.140251	6.174461	5.646849	5.447033	5.56328	6.577878	6.496229	6.557624	6.186014	6.235415	6.339916	6.713616	6.650749	6.694778
FAM86JP	ENSG0000	-0.19291	2.272135	-1.40096	0.17873	0.279988	-5.76108	2.218961	2.179863	2.166567	1.104644	1.556428	1.840725	1.588238	1.491012	1.50602	3.479955	3.313538	3.669344	3.557503	3.544454	3.533199	3.516101	3.422593	3.487904
KYAT1	ENSG0000	-0.0096	3.747105	-0.07316	0.942512	0.96286	-6.81985	4.901049	4.742796	4.929803	4.3081	4.327153	4.249025	4.6445	4.583078	4.620106	3.102524	2.877496	2.93917	3.259174	3.04352	3.177059	3.123735	3.356678	3.477085
MTM1	ENSG0000	-0.32687	3.976932	-6.71301	3.15E-06	5.26E-05	4.604574	4.152058	4.17089	4.138828	4.031135	4.030628	4.071231	3.80164	3.924273	3.935772	4.271447	4.278766	4.331562	4.068019	4.084346	4.093761	4.031767	3.929587	3.897964
TRMT61B	ENSG0000	-0.11181	4.232848	-1.59694	0.1282	0.216705	-5.77672	4.152058	4.190995	4.255791	4.605448	4.301803	4.473866	4.205428	4.282412	4.00079	4.421642	4.411431	4.348702	4.505944	4.472117	4.265755	4.285035	4.205799	4.203832
INSR	ENSG0000	-0.25038	1.587017	-1.28523	0.215482	0.323916	-5.41962	3.313074	3.461896	3.489013	3.020814	3.073582	3.03415	2.724622	3.178579	2.959482	0.934589	0.941811	1.094478	1.088368	1.2438	1.320349	1.058946	1.2488	1.416439
MFN1	ENSG0000	0.008577	5.632753	0.185066	0.855308	0.902337	-7.31241	5.163648	5.102561	5.16615	5.576799	5.57216	5.535187	5.333571	5.241941	5.229787	5.969338	5.909748	5.979782	6.096106	6.245274	6.149693	5.891232	5.840742	5.938889
KCNMB3	ENSG0000	-0.1302	0.702543	-0.60691	0.551714	0.662177	-6.09801	1.336422	1.118985	0.679585	0.841981	1.006428	0.984419	0.886508	0.509405	0.925731	2.14259	2.249583	1.631268	2.270712	1.946191	2.465679	1.992244	2.030948	1.942153
FUT3	ENSG0000	0.71823	0.130216	6.412801	5.63E-06	8.18E-05	4.068645	0.216396	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	3.97421	4.152359	4.16352	3.845296	3.839509	3.767168	4.777733	4.874338	4.832225
KCNG3	ENSG0000	0.150145	0.332971	0.441727	0.664104	0.758344	-6.02169	1.18244	1.173893	1.146821	1.326771	1.373859	1.123626	1.160105	1.760835	1.50602	1.676063	1.190799	1.696985	0.352262	0.888753	0.707101	1.286141	1.329561	1.58715
ATP6V0E2	ENSG0000	0.104602	4.846062	0.855023	0.404107	0.525778	-6.7268	4.95357	4.715296	4.85325	5.818626	5.957528	5.716587	5.178171	5.002785	5.202407	4.408616	4.467566	4.586891	4.745223	4.704269	4.739314	4.418877	4.580516	4.150354
PRKCE	ENSG0000	-0.86438	4.259432	-5.93226	1.46E-05	0.000171	2.990428	5.485141	5.372784	5.517107	3.487804	3.588725	3.666886	4.235306	4.09991	4.112876	4.835851	4.658809	4.69538	3.904282	3.819851	3.892464	4.249541	4.400624	4.129778
JAGN1	ENSG0000	-0.19383	5.631605	-2.93435	0.009064	0.02688	-3.64031	5.897683	5.957964	5.826129	5.521661	5.561519	5.428451	5.597858	5.517911	5.523269	5.694953	5.618907	5.742345	5.682663	5.727893	5.745256	5.679162	5.641622	5.542033
TADA3	ENSG0000	0.03302	6.134651	0.548422	0.59034	0.694663	-7.26802	5.263039	5.240779	5.22472	5.232173	5.450555	5.490866	5.624444	5.450851	5.416114	6.970249	6.850023	6.87876	7.143017	7.092768	7.070738	6.854654	6.814907	6.791833
SOCS5	ENSG0000	0.17514	4.813085	2.261162	0.036766	0.081364	-4.79408	4.794334	4.624584	4.786199	5.156973	4.933626	5.033133	5.173034	5.112925	5.216162	4.663802	4.765022	4.660116	4.91976	4.950123	4.832959	4.62683	4.668528	4.665927
C1GALT1C	ENSG0000	0.365767	5.807465	3.681051	0.001781	0.007377	-2.02902	5.907956	5.850414	5.897758	6.416721	6.334017	6.497692	6.499996	6.579706	6.598441	5.276793	5.102956	5.258407	5.662871	5.719076	5.718428	5.165907	5.271824	5.284099
C9orf16	ENSG0000	-0.00638	5.548324	-0.06171	0.951495	0.968613	-7.29971	5.353017	5.471972	5.544416	5.456512	5.543607	5.35617	5.482179	5.293887	5.404147	5.339908	5.500898	5.643029	6.177072	6.103425	6.162191	5.660702	5.564469	5.388831
MORN4	ENSG0000	-0.53636	3.678353	-3.25608	0.004519	0.015514	-2.50654	4.945613	5.003727	4.822347	3.898911	3.912781	4.178918	3.916741	4.119235	4.112876	3.206534	3.356645	3.218152	3.374919	3.301515	3.387537	3.113899	3.256961	3.279535
ZNF672	ENSG0000	0.406664	5.234959	3.561914	0.002314	0.009085	-2.15156	5.546927	5.634949	5.70066	6.352868	6.546779	6.418777	6.239981	6.075543	6.331956	4.395472	4.296585	4.472706	4.558917	4.573423	4.468538	4.720549	4.460128	4.268007
ZNF692	ENSG0000	-0.27341	4.445327	-2.96103	0.00856	0.025696	-3.32797	5.356021	5.221361	5.267957	4.612502	4.551652	4.531264	4.998191	4.900389	4.88411	4.187508	4.382523	4.071539	4.055062	4.073319	4.01878	3.97856	4.011424	4.18401
NAIF1	ENSG0000	0.296388	3.783144	4.111609	0.000692	0.00347	-0.77509	3.756787	3.568199	3.688245	3.661095	3.844198	3.620621	3.690999	3.773871	3.759121	3.851231	3.842432	3.81458	4.151547	4.230476	4.083285	4.213151	4.348284	4.101878
RBKS	ENSG0000	-0.14048	2.781688	-0.52195	0.608255	0.710404	-6.54806	3.593253	3.405656	3.334887	2.291228	2.117603	2.064596	3.115825	3.506713	3.641718	2.83033	2.958081	2.911754	3.332595	3.173121	3.412858	2.509956	2.784842	2.960231
TMEM126/	ENSG0000	-0.0103	4.421925	-0.17746	0.861184	0.906902	-7.04812	4.721647	4.673038	4.621585	4.647264	4.537243	4.598452	4.659269	4.771967	4.694053	4.341661	4.394983	4.379049	4.32708	4.190213	4.315833	4.469892	4.140146	4.347382
TMEM126I	ENSG0000	-0.02459	4.997144	-0.38257	0.706652	0.791323	-7.16674	4.500523	4.624584	4.458888	4.707799	4.675247	4.685302	4.599263	4.855002	4.6676	5.617821	5.555569	5.561577	5.356354	5.357098	5.271695	5.452087	5.428995	5.434288
TRIM8	ENSG0000	0.482414	5.553755	8.230583	2.02E-07	6.13E-06	7.154991	4.892796	4.864623	5.16263	5.161789	5.355198	5.199746	5.448564	5.237527	5.207006	5.651384	5.681277	5.797063	6.087648	6.013985	5.987815	6.263469	6.307481	6.24183
NETO2	ENSG0000	0.314765	7.158363	2.375271	0.029214	0.06778	-4.93719	7.210134	7.212099	7.223109	7.26156	7.306413	7.302936	7.521004	7.540543	7.485461	7.180903	7.139481	7.22811	6.253734	6.312462	6.364998	7.590385	7.420832	7.492842
CDC42BPG	ENSG0000	-0.03221	2.631485	-0.22369	0.825589	0.880752	-7.20865	1.475543	0.940485	1.54317	0.258133	0.25478	0.909432	0.269385	0.387194	0.735084	5.948488	6.131965	6.105096	6.539191	6.509398	6.48625	6.13927	6.190729	5.983532
SCAND1	ENSG0000	-0.10722	5.399302	-0.74235	0.467736	0.587267	-6.97958	5.340935	5.444322	5.469462	5.432797	5.818465	5.207592	5.147073	4.87219	5.07736	4.902409	5.372368	5.554208	5.993445	6.053799	6.030701	5.6317	5.415183	5.070394
JUNB	ENSG0000	-0.16416	7.100343	-1.6497	0.116859	0.201944	-6.17178	6.935703	6.937505	7.151211	6.778385	7.086539	6.760261	6.917408	6.870857	7.029512	7.043002	7.309279	7.523929	7.46295	7.570143	7.454884	7.185095	7.142829	6.844346
FAM241B	ENSG0000	-0.29366	3.279116	-2.15951	0.044976	0.095327	-4.56446	4.271448	4.383825	4.351665	3.647423	3.574682	3.744443	3.853933	3.82184	4.011347	2.906434	2.900983	2.816411	2.949505	3.020741	3.167173	2.782512	2.908298	2.760563
TMEM37	ENSG0000	0.689372	-1.36432	2.210825	0.040641	0.088186	-3.77701	1.336422	2.152784	1.954926	2.548252	3.012388	2.5075	2.607661	2.389238	2.239236	0.106501	0.106501	0.106501	0.171976	0.106501	0.186984	0.106501	0.106501	0.106501
LRG1	ENSG0000	-0.37033	1.121106	-3.62247	0.002026	0.008167	-1.58511	0.742531	0.410755	0.512639	0.934951	0.625525	0.657796	0.269385	0.253663	0.39151	3.544892	3.547323	3.585074	4.323482	4.390067	4.402656	3.143207	3.413359	3.31642
SHCBP1	ENSG0000	0.555437	4.587076	1.984209	0.063162	0.124584	-5.29184	5.187459	5.134056	5.116065	4.921675	4.720591	4.859751	5.830962	5.975709	5.94827	4.911672	5.030268	4.987869	2.178139	1.921808	2.121111	5.291204	5.077988	5.227124
NPTX1	ENSG0000	-0.32554	3.598378	-1.28567	0.215331	0.323826	-5.72162	6.289001	6.125763	6.382396	6.154502	6.177895	6.146161	5.922569	5.795247	5.706591	1.787595	1.467416	1.759838	1.473091	1.393161	1.08859	2.597261	2.078458	1.910335
FAM98B	ENSG0000	-0.23716	5.992327	-4.55396	0.000264	0.001609	-0.18423	6.566989	6.651031	6.565494	5.901593	5.949389	5.97285	6.215207	6.34544	6.284872	5.934924	5.870134	5.987463	5.487516	5.595421	5.64197	5.796027	5.740928	5.785098
ZNF439	ENSG0000	0.242953	-0.91427	2.285627	0.035009	0.078316	-4.08296	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.510897	2.388995	2.485514	3.091636	2.824271	2.942182	2.611312	2.465551	2.84714
ZNF440	ENSG0000	0.294725	2.467027	3.049751	0.007071	0.022048	-2.90276	1.602421	1.780637	1.78216	1.393812	1.768674	2.098749	2.446718	2.324112	2.165532	3.666603	3.5985	3.630629	3.303673	3.401888	3.486261	3.768919	3.772348	3.831562
GAA	ENSG0000	-0.07414	7.626264	-1.66806	0.11312	0.196651	-6.17516	7.518443	7.524192	7.587124	7.891428	8.101162	7.997821	7.509843	7.434614	7.480721	7.456147	7.512116	7.582334	7.878137	7.8024	7.820788	7.413749	7.54176	7.357073
CANT1	ENSG0000	0.259002	6.667045	6.105319	1.03E-05	0.000131	3.010195	6.169409	6.130976	6.210636	6.127673	6.225857	6.200251	6.380303	6.375885	6.245172	6.941898	6.999622	7.108938	7.09635	6.997549	7.058089	7.393057	7.303901	7.317439
ZDHHC16	ENSG0000	0.503107	4.905855	7.919776	3.46E-07	9.29E-06	6.732091	4.456406	4.673038	4.701394	5.464331	5.419464	5.464914	5.228555	5.306587	5.126746	4.501517	4.540416	4.32811	5.20426	5.115127	5.215244	4.826728	4.917433	4.726565
CHST11	ENSG0000	-0.14605	4.665377	-1.61625	0.123946	0.211194	-5.84163	4.859306	4.822285	4.777019	4.910272	5.029402	4.97456	4.4712	4.307901	4.261781	4.663802	4.630987	4.711369	4.777135	4.718494	4.836082	4.76522	4.79479	4.712796
EXOSC1	ENSG0000	-0.10408	4.809963	-1.5355	0.142566	0.234934	-5.9538	5.479641	5.607787	5.489272	5.142425	5.270617	5.246196	5.435754	5.335791	5.400136	4.313985	4.274276	4.515833	4.376523	4.372183	4.359898	4.349322	4.200441	4.416967
PGAM1	ENSG0000	0.301921	7.551467	2.997181	0.00792	0.024087	-3.70578	7.954343	7.944539	7.905199	8.244053	8.189624	8.107249	8.116919	8.119427	8.085441	6.998778	7.013156	6.979028	6.731299	6.68989	6.721446	7.463006	7.429446	7.388447
CHD7	ENSG0000	-0.54038	6.038486	-8.6614	9.79E-08	3.59E-06	7.841602	5.924244	6.02856	5.953828	5.227586	5.239802	5.30954	5.125963	5.255104	5.243285	7.035254	6.941347	6.807408	6.547695	6.401119	6.522566	6.543607	6.458768	6.574316
ESCO2	ENSG0000	-0.00096	3.277852	-0.0038	0.997008	0.997848	-6.88656	3.58303	3.428416	3.707702	3.503067	2.948483	3.27721	4.034706	3.761625	3.924645	4.256985	4.228596	4.358889	1.644349	1.871771	1.826726	4.026533	3.948889	3.984547
KRT19	ENSG0000	-0.30325	9.824909	-2.2097	0.040732	0.088303	-5.4378	9.872918	9.838823	9.848824	9.060861	9.218067	8.945779	8.929224	8.982589	8.997854	10.26429	10.21631	10.29873	10.34992	10.39158	10.3835	10.4565	10.42729	10.39754
KRT15	ENSG0000	0.272938	3.659623	0.937715	0.361169	0.483017	-6.62118	4.405107	4.360345	4.464617	1.326771	2.193078	1.840725	3.866715	3.659726	3.733845	3.956418	4.008408	4.03812	4.287006	4.340341	4.333621	4.60593	4.625193	4.694231
CLCN5	ENSG0000	-0.02568	4.073143	-0.3319	0.743912	0.819796	-6.85776	4.693417	4.538284	4.725456	4.681208	4.58706	4.884435	4.716879	4.741115	4.640652	3.651939	3.761343	3.513924	3.708564	3.832986	3.713835	3.538334	3.413359	3.641153
TPPP	ENSG0000	-0.11765	2.566184	-0.21393	0.833078	0.885875	-6.33798	4.428132	4.342481	4.553323	4.591236	4.522687	4.696497	4.437325	4.256466	4.16108	0.781331	0.748206	0.884879	3.381853	3.173121	3.021143	0.789161	1.072305	0.93723
APLN	ENSG0000	0.508846	0.289623	1.454291	0.163589	0.26163	-4.96563	4.327631	4.036608	3.979882	2.740812	3.132285	2.885561	4.751751	4.603806	4.795267	0.34397	0.330605	0.288049	0.171976	0.106501	0.186984	0.257084	0.2791	0.106501
PDE7B	ENSG0000	1.120662	1.102267	3.683826	0.00177	0.007336	-1.11173	4.271448	4.354415	4.441562	6.390287	6.30454	6.384578	5.502797	5.525174	5.493457	0.106501	0.185134	0.288049	0.352262	0.26996	0.533283	0.183756	0.19538	0.106501
MRPL36	ENSG0000	1.690862	4.873983	14.99819	2.03E-11	6.44E-09	16.43941	3.520128	3.516026	3.443319	5.514147	5.503402	5.556848	5.444307	5.396449	5.588176	4.271447	4.181422	4.112253	5.361625	5.381888	5.348066	5.62479	5.570712	5.475641
ZNF581	ENSG0000	-0.13883	4.569754	-1.50038	0.151365	0.2465	-6.06217	4.363907	4.548709	4.458888	3.863871	4.158524	3.858473	3.733489	4.166444	4.17992	5.029806	5.043519	5.339521	5.158554	5.093459	5.006551	5.198848	5.168587	5.06679
NAT1	ENSG0000	-0.03701	2.572064	-0.35571	0.726318	0.805953	-6.56188	2.568952	2.232543	2.37563	2.955742	2.366112	2.865864	2.446718	2.511284	2.047395	3.036317	3.013005	3.00983	3.416036	3.462307	3.361763	3.113899	2.972579	2.880366
ZNF524	ENSG0000	-0.10203	3.662267	-0.8704	0.395879	0.517388	-6.54962	3.249862	3.323044	3.638424	3.591402	3.426184	3.321269	2.858632	2.960209	2.981126	3.895476	4.061483	4.32811	4.715338	4.649638	4.691833	4.280646	4.288934	3.87342
MCC	ENSG0000	1.13855	4.669253	9.193115	4.13E-08	1.89E-06	8.956927	4.988842	4.917869	4.799861	6.884177	6.783426	6.88782	5.946849	6.058125	6.025816	2.749986	3.034402	2.756026	4.187612	4.073319	3.996621	3.894879	3.612085	3.999746
ZBTB26	ENSG0000	-0.18238	4.414473	-1.69063	0.108662	0.190952	-5.75366	4.09565	4.17089	3.906009	3.766043	3.560502	3.722706	3.988671	3.967564	3.935772	4.986631	5.130539	4.959141	5.329703	5.331874	5.44535	4.714053	4.877699	4.914724
DSEL	ENSG0000	0.846305	4.614547	5.000991	0.000101	0.000761	1.181835	5.660656	5.770277	5.764758	6.536528	6.334017	6.583107	6.897303	6.788756	6.805205	3.17611	3.106888	3.085394	3.108457	3.065945	3.126936	2.968656	2.985098	3.176297
POLR1C	ENSG0000	-0.19301	5.485249	-3.06568	0.006832	0.021524	-3.35384	5.713155	5.525733	5.560557	5.222985	5.309293	5.280077	5.167879	5.506949	5.202407	5.831356	5.638252	5.692199	5.591381	5.526348	5.723497	5.610871	5.613675	5.615405
ASXL1	ENSG0000	-0.19201	7.155054	-2.87307	0.010334	0.029855	-3.91725	7.608127	7.579257	7.613795	8.071146	7.889165	8.000081	7.387675	7.384584	7.426534	6.73397	6.737926	6.732342	6.768817	6.66256	6.738237	6.574416	6.538439	6.544828
ZNF562	ENSG0000	0.176991	5.337463	3.940985	0.001006	0.004708	-1.4436	5.177303	5.134056	5.097747	5.241304	5.185395	5.183924	5.338168	5.364416	5.220718	5.36934	5.417853	5.395024	5.592876	5.627813	5.671993	5.490603	5.633692	5.593031
ZNF318	ENSG0000	0.154474	5.161831	1.026525	0.318642	0.438368	-6.70061	4.785446	4.945746	4.772407	5.636843	5.379635	5.584228	5.08826	5.25073	5.220718	5.35583	5.457995	5.348069	4.955062	4.8854	4.903135	5.432436	5.322033	5.341895
ZNF561	ENSG0000	0.083304	5.250745	1.66675	0.113383	0.196988	-5.90669	5.210884	4.949684	5.090354	5.199754	5.094821	5.151751	5.032629	5.183472	5.229787	5.402569	5.344801	5.29777	5.562678	5.581868	5.566882	5.398403	5.485161	5.431488
WIPF2	ENSG0000	0.772031	6.305049	11.42979	1.54E-09	1.50E-07	12.09267	5.770583	5.725032	5.823902	6.603556	6.424879	6.491278	6.818899	6.770538	6.76989	5.879356	5.911195	5.899478	6.541515	6.545754	6.523535	6.438184	6.45989	6.442871
HOPX	ENSG0000	-0.425	6.030255	-1.91307	0.072266	0.138643	-5.59222	6.223057	6.182094	6.086081	6.176088	6.350594	6.066428	6.335028	6.385893	6.249637	5.907408	5.963722	5.908753	6.67877	6.699783	6.706165	4.964456	5.080907	5.019105
LRRC8C	ENSG0000	-0.03459	2.139623	-0.10235	0.919646	0.947177	-6.36334	3.541402	3.35903	3.698006	3.688057	4.051057	3.907468	3.761137	3.285084	3.306673	1.91588	1.851833	1.820066	0.787801	0.888753	0.812339	1.948641	1.930959	1.844513
RSL1D1	ENSG0000	-0.13714	8.53226	-4.30551	0.000452	0.00249	-0.95171	8.990169	8.949766	8.957612	8.474935	8.475017	8.530032	8.831139	8.794051	8.804268	8.482605	8.433802	8.468289	8.114798	8.147458	8.167069	8.348881	8.303046	8.381631
LRRC8D	ENSG0000	0.411617	5.634392	3.686673	0.001759	0.007305	-1.98398	5.715497	5.811984	5.549817	6.605325	6.56997	6.626187	6.332727	6.216793	6.229433	5.038288	5.092794	4.998768	5.227545	5.13912	5.100452	5.344748	5.179522	5.220652
PPID	ENSG0000	-0.02968	6.549977	-0.61404	0.547102	0.657973	-7.25498	6.737975	6.771637	6.638274	6.472063	6.373081	6.384578	6.489704	6.662719	6.639853	6.683492	6.485588	6.592576	6.507836	6.396703	6.450015	6.649529	6.589551	6.66052
ETFDH	ENSG0000	0.157134	4.874072	2.198224	0.041669	0.089918	-4.68658	6.403797	6.390602	6.371764	7.279398	7.183413	7.229694	6.524402	6.576214	6.564792	3.165825	2.841532	3.018425	3.520276	3.544454	3.494191	2.990321	3.127424	3.215882
PTGER4	ENSG0000	-0.92833	3.264805	-5.10313	8.12E-05	0.000644	1.514769	4.439509	4.377991	4.345467	3.714523	3.656958	3.733615	2.908934	2.848856	2.869505	3.376719	3.175905	3.346558	3.346841	3.098942	3.19663	3.236813	2.854728	3.050576
TBCA	ENSG0000	-0.2152	7.044733	-3.34519	0.003721	0.013295	-2.93654	7.713212	7.746511	7.658847	7.034865	7.016845	7.056966	7.313754	7.440387	7.419616	6.855742	6.766178	6.916607	6.586483	6.690792	6.588868	6.700531	6.7226	6.786366
BCL2L1	ENSG0000	-0.43621	7.404963	-2.96735	0.008445	0.025429	-3.79472	7.714969	7.656598	7.620226	6.286057	6.401203	6.463697	6.587536	6.6022	6.633033	8.020786	7.971177	8.052426	7.759682	7.754018	7.801345	8.076549	8.056587	8.007447
FGG	ENSG0000	0.27342	2.054333	0.450317	0.658018	0.753388	-5.89952	7.002423	7.07818	7.072729	8.96801	8.89333	8.980826	7.214749	7.374567	7.307368	0.269074	0.106501	0.16959	0.106501	0.190544	0.106501	0.393424	0.106501	0.659518
FGA	ENSG0000	0.548161	1.09245	1.415332	0.174543	0.274971	-5.05794	6.115462	6.313225	6.084222	8.762987	8.750344	8.801921	6.646169	6.781193	6.7289	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
FGB	ENSG0000	0.113261	1.11713	0.355444	0.72651	0.806064	-5.93443	6.592692	6.591773	6.57347	8.474935	8.506795	8.602492	6.642458	6.747438	6.683414	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PLRG1	ENSG0000	-0.41307	6.983914	-4.24813	0.000513	0.002757	-0.96858	7.358344	7.368132	7.3116	6.674365	6.599745	6.700353	7.129812	7.011943	7.042438	7.184092	7.174836	7.200054	7.001607	7.055431	7.078012	6.628094	6.657609	6.748627
ZNF584	ENSG0000	0.308004	3.958882	4.425764	0.000348	0.00202	-0.11389	3.65311	3.741788	3.783005	4.132759	4.040879	4.249025	3.814892	4.060466	4.103038	3.944434	4.013804	3.995227	4.135224	4.154036	4.279586	4.319678	4.162364	4.365096
CLSTN1	ENSG0000	0.509063	7.954419	8.723563	8.84E-08	3.36E-06	7.817456	6.895997	6.859049	6.929899	7.699407	7.681267	7.673167	7.49962	7.385582	7.479771	8.311798	8.260787	8.316925	8.720464	8.646604	8.654405	8.813745	8.733722	8.737753
CXXC5	ENSG0000	-0.62085	5.893287	-3.76927	0.001467	0.006334	-1.9061	5.465799	5.331118	5.597531	5.190356	5.484749	5.155812	3.828023	3.605944	3.721038	6.797807	6.947704	6.976273	7.540532	7.502391	7.500871	6.727389	6.75677	6.622978
ZNF274	ENSG0000	-0.16846	5.453661	-3.81508	0.001327	0.005873	-1.78116	4.780982	4.724521	4.74442	4.375995	4.758354	4.580436	4.528631	4.657666	4.444269	6.456552	6.423083	6.452939	6.368154	6.334565	6.358497	6.236527	6.322357	6.337649
PIK3CD	ENSG0000	-0.14391	2.026744	-0.76006	0.45735	0.578203	-6.31735	2.296082	2.356396	2.274882	1.578054	1.164793	1.250575	1.816207	1.809233	1.873138	3.091698	2.779525	2.796562	3.318207	3.020741	3.032078	3.032701	2.813204	2.81313
SLC25A33	ENSG0000	0.126382	4.24891	1.520894	0.146171	0.239576	-5.94076	4.02189	3.952741	3.845818	3.966538	4.327153	4.154771	4.205428	4.09991	4.189248	4.630531	4.55159	4.773612	4.337818	4.398927	4.284167	4.720549	4.695442	4.726565
ENC1	ENSG0000	0.150728	7.576284	0.732249	0.473722	0.593105	-7.2412	7.681225	7.58876	7.665703	8.566319	8.467911	8.537833	8.24727	8.327931	8.37986	7.424142	7.454251	7.317441	6.635904	6.648698	6.653142	6.996569	6.940749	6.996049
SPSB1	ENSG0000	-0.13396	4.834583	-1.52635	0.144814	0.23801	-6.12641	4.179456	3.952741	4.188143	3.441022	3.602632	3.459109	4.034706	4.175703	4.103038	5.887203	5.903948	6.073485	5.96024	5.967096	5.890527	5.865084	5.802349	5.708538
P2RY6	ENSG0000	1.151054	1.219306	5.943965	1.43E-05	0.000168	3.321475	0.503316	0.582935	0.679585	1.457877	1.373859	1.669505	1.317361	0.726566	1.01237	2.338465	2.074736	2.447834	2.872818	2.811056	2.730245	3.31616	3.215061	3.241681
BPTF	ENSG0000	0.029732	7.231127	0.635027	0.533637	0.646309	-7.30901	7.055142	7.034342	7.120691	6.989528	6.976026	7.203449	7.12583	7.219804	7.211053	7.406778	7.484203	7.305202	7.39645	7.364459	7.385166	7.408227	7.298896	7.354119
ZIK1	ENSG0000	0.20139	0.725222	4.125547	0.000671	0.003388	-0.94547	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.689578	5.798468	5.829169	5.513008	5.419382	5.46364	5.989982	5.984847	5.909012
NMRAL2P	ENSG0000	0.050736	2.883115	0.245723	0.808759	0.868144	-6.35364	6.033379	5.852519	5.904096	4.701197	5.008661	4.76722	6.059692	6.090306	6.049058	1.787595	1.467416	1.759838	0.5125	0.671977	0.957066	1.250674	0.924142	1.416439
PLEKHG5	ENSG0000	-0.30846	3.536382	-1.213	0.241271	0.353796	-6.17377	4.620325	4.691972	4.758481	2.577385	3.012388	2.581827	3.440463	3.592179	3.708117	3.437834	3.532361	3.789694	3.575762	3.536446	3.593499	3.793775	3.896833	3.930053
ATF7IP	ENSG0000	0.364788	5.421587	3.731928	0.001593	0.006759	-1.85752	5.2241	5.366905	5.231457	6.149661	5.905185	6.168443	5.949855	5.946255	5.953754	5.009819	4.995233	4.77868	5.52402	5.595421	5.528785	4.947942	4.894388	5.070394
RGS19	ENSG0000	-0.24232	3.324057	-1.82334	0.085402	0.15787	-5.20314	3.691678	3.804029	3.65856	3.674639	3.546181	3.432575	3.050103	2.960209	3.124172	3.216534	3.532361	3.602326	3.494914	3.67419	3.387537	3.70484	3.562824	3.30423
TCEA2	ENSG0000	-0.85898	5.081021	-4.3219	0.000437	0.002418	-0.56255	5.930304	5.896035	5.910407	4.510463	4.770725	4.427589	4.302704	4.119235	4.235006	5.367097	5.427994	5.688165	5.428457	5.292003	5.414342	5.258097	5.326959	5.000336
ANO5	ENSG0000	1.175128	-1.2499	4.274828	0.000484	0.002627	0.02069	1.826927	2.039077	2.018628	3.20008	3.378481	3.377995	2.933443	3.318907	2.981126	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
HDAC3	ENSG0000	-0.01103	6.20529	-0.19152	0.850326	0.899257	-7.40089	6.014486	6.111769	6.063606	5.790912	5.812494	5.783733	6.020192	5.973056	6.041352	6.493004	6.371473	6.503555	6.556916	6.511442	6.586088	6.560905	6.467717	6.400554

GPHN	ENSG0000	-0.10039	4.177901	-1.15437	0.263887	0.379882	-6.35535	4.445163	4.330447	4.55869	4.199863	4.335505	4.323123	4.348988	4.238905	4.296723	4.425958	4.327249	4.37236	4.01993	3.606961	3.898452	4.349322	4.263465	4.323421
TMEM51	ENSG0000	0.329539	3.758818	3.685726	0.001763	0.007316	-1.75829	3.300651	3.114308	2.99819	3.103249	3.630051	3.391835	3.405851	3.462004	3.357206	4.386642	4.292151	4.469576	4.31626	4.225504	4.194539	4.714053	4.877699	4.499478
CAMTA1	ENSG0000	0.098763	4.666245	1.60851	0.125637	0.213359	-5.82708	4.992709	5.05216	4.913139	5.294904	5.114368	5.110498	5.066264	4.997573	5.155586	4.476768	4.327249	4.205521	4.414217	4.298341	4.359898	4.410866	4.414575	4.461559
LRRC34	ENSG0000	-0.49155	-0.21196	-1.15916	0.261983	0.377836	-5.26214	3.17016	2.836538	3.029452	2.791417	2.787348	2.805104	2.303642	3.023117	2.616448	0.415169	0.330605	0.34382	0.106501	0.190544	0.263213	0.457048	0.19538	0.106501
SPATA5L1	ENSG0000	-0.16397	4.994504	-1.61555	0.124099	0.211415	-5.87339	6.129578	6.215193	6.242667	5.299283	5.208315	5.191857	5.982519	5.891111	5.85464	4.332495	4.390842	4.437893	4.199436	4.220515	4.067427	4.466031	4.405289	4.323421
GATM	ENSG0000	0.352441	2.799158	4.742901	0.000175	0.001176	0.468198	0.742531	1.118985	0.598525	1.578054	1.2379	1.757653	1.074544	0.726566	1.171446	5.107097	5.196089	5.076957	5.993445	5.995119	6.025238	5.426489	5.451724	5.518482
SYCE1	ENSG0000	-0.03827	0.109679	-0.66264	0.516207	0.630993	-6.71614	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.525848	4.599033	4.518865	4.659362	4.501207	4.595601	4.430811	4.551348	4.472495
BCL2	ENSG0000	0.846346	1.270511	1.714746	0.104067	0.184242	-4.64644	5.272612	5.363957	5.335175	6.292659	5.976344	6.267477	6.276361	6.269636	6.169423	0.54782	0.462741	0.16959	0.171976	0.106501	0.186984	0.106501	0.19538	0.214669
RHNO1	ENSG0000	0.010892	4.752491	0.116381	0.908677	0.939551	-7.15839	4.816318	4.885335	4.813395	4.898777	4.836932	4.894191	4.629578	4.734864	4.831463	4.930021	4.842882	4.998768	4.486773	4.446707	4.472558	5.069967	5.060349	4.882289
CTPS1	ENSG0000	-0.25543	7.27344	-3.37683	0.003472	0.012588	-2.88967	8.216912	8.268462	8.226779	7.408616	7.336892	7.36301	7.733054	7.827227	7.790603	7.106895	7.065411	7.197218	6.14584	6.058	6.133284	7.123316	7.004399	7.109861
METTL18	ENSG0000	-0.03806	3.84815	-0.5124	0.614784	0.715975	-6.81271	3.623492	3.8803	3.828148	3.933121	3.670226	3.9455	3.788265	3.999201	3.759121	3.926269	4.082178	4.194187	4.171694	4.169652	4.160062	3.917673	3.942484	4.087723
CFAP46	ENSG0000	-0.61417	-0.18237	-2.07407	0.053142	0.108828	-4.13319	0.742531	1.118985	1.453818	0.635873	0.625525	0.984419	0.415731	0.387194	0.39151	1.315703	1.029669	1.126631	1.186687	1.591687	1.456457	1.13872	1.289746	1.058313
PWWP2B	ENSG0000	-0.0054	4.315768	-0.04	0.968545	0.979479	-6.98861	4.730936	4.852052	4.908943	4.863733	5.003429	4.960699	4.528631	4.341199	4.364168	3.584041	3.735447	3.951019	4.234338	4.235431	4.329194	4.37837	4.237539	3.823043
FBXL14	ENSG0000	0.550421	4.328522	6.896033	2.23E-06	4.07E-05	4.883638	3.991296	3.61855	3.93931	4.3081	4.267295	4.071231	4.695544	4.474723	4.585199	4.377757	4.399113	4.463295	4.580176	4.557684	4.504317	4.859472	4.936897	4.622403
EXOSC10	ENSG0000	-0.15272	6.428001	-1.12202	0.277033	0.39442	-6.7826	6.467698	6.485903	6.488846	7.011041	6.85634	6.901187	6.261919	6.189628	6.321389	6.54055	6.468004	6.549493	6.075937	6.084328	6.053688	6.396195	6.418951	6.44842
ZNF570	ENSG0000	0.230719	0.809439	1.190158	0.2499	0.364125	-6.02099	0.503316	0.582935	0.512639	0.258133	0.106501	0.3528	0.886508	0.253663	0.833554	3.265521	3.269103	3.172678	3.617489	3.86531	3.951255	3.530961	3.37582	3.398988
MLLT3	ENSG0000	0.183707	3.697028	1.220363	0.238537	0.350618	-6.03917	3.819083	3.829904	3.576275	4.576883	4.635214	4.777799	4.215456	4.230044	4.482711	3.255856	3.295928	3.133657	3.746669	4.039723	4.213876	2.979529	3.009816	2.912845
RRM2	ENSG0000	-0.09669	7.06046	-0.31978	0.752924	0.827054	-7.45514	7.884787	7.879955	7.853186	7.167704	7.261097	7.211275	8.010074	8.135531	8.033301	7.675011	7.623964	7.728952	4.359059	4.53375	4.279586	7.279958	7.213028	7.29759
TRAPPC12	ENSG0000	0.116382	5.581953	1.806849	0.088032	0.161454	-5.72237	5.777323	5.816305	5.780922	5.71757	5.74826	5.663381	6.017329	5.893919	6.119063	5.255126	5.316696	5.468994	5.482686	5.455925	5.412251	5.432436	5.339201	5.341895
RPS21	ENSG0000	-0.07606	8.264421	-1.49421	0.152954	0.248318	-6.48962	8.438618	8.405973	8.363389	7.99627	8.001024	7.945997	8.176525	8.26913	8.297613	8.440029	8.3953	8.265509	8.217218	8.236956	8.311506	8.329357	8.340066	8.416734
MRM3	ENSG0000	-0.03341	4.702565	-0.44988	0.65833	0.753685	-6.97701	5.531062	5.517795	5.463752	5.147291	5.171467	5.135391	5.374422	5.352217	5.455304	4.252132	3.986619	4.167389	4.195506	4.132949	4.27038	4.249541	4.151298	4.197255
PTEN	ENSG0000	0.397273	6.65852	5.852977	1.72E-05	0.000194	2.596813	7.736457	7.732291	7.758995	8.159285	8.010183	8.040727	8.287634	8.336212	8.280258	5.193173	5.32757	5.230939	5.248563	5.366162	5.414342	5.394346	5.334317	5.397464
RPS7	ENSG0000	-0.05634	9.641907	-1.61437	0.124355	0.211737	-6.39377	9.961648	9.961666	9.912041	9.757027	9.78349	9.700491	9.789924	9.892045	9.861886	9.526127	9.4222	9.452483	9.34641	9.447001	9.421448	9.4223	9.415753	9.514411
RNASEH1	ENSG0000	0.456059	5.246753	7.518438	7.06E-07	1.64E-05	5.942241	5.370952	5.234335	5.258094	5.28169	5.292232	5.441817	5.59402	5.842522	5.791729	4.92393	4.780934	4.925267	5.160571	5.170503	5.143946	5.329955	5.232987	5.377239
PRNP	ENSG0000	0.456597	8.44234	7.405513	8.67E-07	1.91E-05	5.454836	8.686715	8.659072	8.662808	8.647544	8.635818	8.63231	9.329105	9.326292	9.323748	7.983572	7.924308	7.917075	7.92221	7.889061	7.931515	8.213242	8.175717	8.183736
ADRA1D	ENSG0000	-0.39233	1.208041	-1.41394	0.174945	0.275483	-5.08375	3.903656	4.281283	4.48167	4.904536	4.801196	4.965334	3.941119	3.685883	3.856018	0.415169	0.330605	0.499259	0.610222	0.484926	0.335616	0.517985	0.433238	0.214669
FRMD5	ENSG0000	-0.39436	2.426038	-2.74061	0.013692	0.037358	-3.77269	1.642349	1.327092	1.667608	0.742604	0.828511	0.746642	0.670238	0.253663	0.515351	5.242946	5.174568	5.216073	5.713225	5.583812	5.746917	4.958973	4.854006	5.041309
CYP4F11	ENSG0000	-0.04097	1.822304	-0.10329	0.918907	0.946553	-5.99014	6.860467	6.846429	6.928863	5.691159	5.821441	5.940258	6.833623	6.833319	6.845588	0.54782	0.185134	0.16959	0.171976	0.26996	0.335616	0.393424	0.106501	0.409347
TLN2	ENSG0000	-0.76236	2.298996	-4.16116	0.00062	0.003181	-0.31014	3.17016	2.748839	2.720234	2.864145	2.737798	2.904994	2.637802	2.147141	2.408535	2.574485	2.42184	2.53427	3.228726	3.152313	2.918805	1.970607	1.707432	1.775544
TVP23B	ENSG0000	-0.01243	6.32223	-0.34964	0.730783	0.809815	-7.34202	6.682802	6.65827	6.562826	6.598236	6.541374	6.523066	6.625636	6.696885	6.641553	6.116785	6.063364	6.174987	6.031427	6.01974	5.980777	6.104924	6.085656	6.032387
ZNF217	ENSG0000	-0.36982	5.593815	-4.78582	0.00016	0.001097	0.383024	5.565217	5.661609	5.666267	5.890028	5.919145	5.852905	5.066264	5.112925	5.112107	5.916638	5.770051	5.731932	5.784299	5.813217	5.726866	5.59328	5.549795	5.515842
SRGAP2C	ENSG0000	-0.00292	2.070295	-0.0186	0.985371	0.990448	-6.43018	2.165157	2.636038	2.326135	2.766336	2.904251	2.845893	2.412257	2.702788	2.34318	2.163418	2.437987	2.314614	2.044674	2.169719	2.220059	2.034568	2.146913	2.464474
SCG2	ENSG0000	0.752569	2.543007	2.958367	0.008609	0.025793	-2.74403	4.399293	4.262405	4.520694	4.803367	4.258538	4.824468	5.338168	5.192623	5.351109	1.457372	1.435603	1.631268	0.907968	1.077171	0.910419	1.177011	1.478665	1.115245
ATPAF2	ENSG0000	0.180183	3.900752	2.367174	0.029699	0.068603	-4.38431	3.887134	4.217373	4.145977	4.122913	4.139571	4.130213	4.13321	4.128801	4.305329	3.772076	3.539861	3.769472	4.041988	3.987816	3.928025	3.989359	3.916575	3.814473
PPIH	ENSG0000	0.102673	4.616413	1.453396	0.163834	0.261895	-6.11931	4.807565	4.860445	4.574673	4.072648	4.139571	4.146631	4.83866	4.77806	4.813478	4.826087	4.735932	4.904554	4.645023	4.645922	4.546874	4.972643	4.993761	4.886383
ZNF57	ENSG0000	-0.20757	2.239067	-2.06739	0.053834	0.109961	-4.59089	2.461454	2.55562	2.221741	2.325974	2.229385	2.132113	2.058296	1.901414	2.309357	2.749986	2.958081	2.930089	2.770846	2.756951	2.870883	2.75746	2.947209	2.649309
SHLD1	ENSG0000	0.068298	3.069103	0.886476	0.387396	0.509059	-6.40919	2.649532	2.730641	2.558197	2.81607	2.737798	2.865864	2.957542	2.938616	3.044176	3.64455	3.695711	3.743789	3.746669	3.622174	3.747398	3.574643	3.757829	3.581792
JMJD1C	ENSG0000	-0.16551	5.825452	-1.64478	0.11788	0.203166	-5.9818	6.785554	6.671448	6.78859	6.209037	6.064398	6.310008	6.487637	6.48419	6.460789	5.316853	5.256515	5.049965	5.271149	5.329559	5.376231	5.100173	5.217154	5.19777
SYNPO	ENSG0000	-0.13149	6.234114	-0.50391	0.620614	0.721084	-6.92616	9.378265	9.314668	9.413255	8.537423	8.633279	8.561752	9.295819	9.169729	9.269536	3.275122	3.339557	3.451828	4.215053	4.084346	4.12984	3.181381	2.985098	3.279535
ZNF556	ENSG0000	-0.09977	-0.33329	-1.15641	0.263077	0.378945	-6.07267	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.962373	3.936355	3.663876	3.617489	3.512154	3.540876	3.6717	3.628139	3.840032
ZNF554	ENSG0000	0.158938	0.826523	0.817894	0.424428	0.546083	-5.91023	1.18244	0.661886	1.202741	1.104644	1.2379	1.714252	1.160105	0.622068	1.01237	1.814181	1.529011	1.839597	2.25569	2.381211	2.382676	1.903678	1.90484	2.003758
RAB33B	ENSG0000	-0.04942	3.698816	-0.40254	0.692166	0.779761	-6.77307	4.051848	3.804029	4.087767	3.933121	3.89028	3.97338	3.916741	4.299455	4.279358	3.772076	3.554746	3.476988	3.814873	3.871689	3.805912	3.31616	3.2466	3.519884
THOP1	ENSG0000	-0.12688	5.936036	-1.41988	0.173234	0.273393	-6.37635	6.191444	6.210276	6.342502	5.815573	5.916364	5.765245	6.119658	5.879824	5.980865	6.038616	6.180756	6.279679	5.450064	5.377412	5.317108	6.252304	6.202839	5.973944
GAP43	ENSG0000	-0.37644	1.17017	-1.92341	0.070874	0.136483	-4.46513	2.798329	3.027527	3.075109	2.791417	2.520598	2.402038	2.26554	2.420731	2.616448	1.073118	1.07167	0.846782	0.945898	0.938214	1.002253	1.099384	0.816175	1.322858
EPHX4	ENSG0000	-0.14659	0.87153	-0.71072	0.486632	0.604755	-6.32299	1.336422	1.226787	1.499186	0.395333	0.25478	0.3528	0.415731	0.622068	0.629397	2.918737	2.829342	3.068941	2.760241	2.433888	2.559363	3.043104	2.934355	3.149291
LAMB2	ENSG0000	0.131486	7.704346	1.125128	0.275749	0.393024	-6.90341	7.517101	7.479257	7.590403	7.566783	7.704828	7.575742	7.652304	7.634195	7.62862	7.503372	7.518299	7.404844	8.460795	8.311285	8.375423	7.60538	7.678602	7.602065
USP19	ENSG0000	-0.14449	6.792468	-3.81443	0.001328	0.005879	-1.9119	6.276368	6.299401	6.27237	6.418735	6.321458	6.363663	6.217704	6.191911	6.1928	7.338592	7.320209	7.336038	7.555177	7.462272	7.5097	7.189199	7.184136	7.071714
QARS1	ENSG0000	-0.23969	7.436224	-3.78023	0.001432	0.00622	-2.02876	7.403336	7.403742	7.420257	7.358099	7.427579	7.362132	7.074414	7.159246	7.160965	7.513547	7.505427	7.521664	7.983047	7.870867	7.90722	7.283253	7.366245	7.287562
ORMDL3	ENSG0000	-0.04551	5.682082	-0.43199	0.671028	0.763375	-7.25538	5.443372	5.480165	5.420189	5.041505	5.194607	4.983728	5.300979	5.450851	5.2343	5.954476	6.00495	6.02633	6.497497	6.391163	6.372547	6.007353	6.0111	6.006286
KLF11	ENSG0000	-0.30626	3.805471	-3.62176	0.002029	0.008168	-1.89169	3.337603	3.100202	3.371944	3.54791	3.517104	3.560621	3.178682	2.938616	3.00245	4.663802	4.833757	4.72456	4.568067	4.553723	4.394205	4.500412	4.395944	4.365096
SMN1	ENSG0000	-0.18499	4.443562	-2.30266	0.033831	0.076232	-4.70495	4.702888	4.787496	4.86196	3.80351	3.956756	3.722706	4.428731	4.644388	4.592248	4.799721	4.80914	4.852633	4.38345	4.467913	4.351192	4.637167	4.641102	4.784756
EIF2AK3	ENSG0000	0.400363	4.552553	1.982529	0.063365	0.12488	-5.20973	3.836399	3.61855	3.955676	5.558653	5.47722	5.500479	4.101117	4.324646	4.428601	4.637991	4.45175	4.421787	4.858933	4.814328	4.820398	4.823714	4.826442	4.689552
TEX37	ENSG0000	0.117839	-1.27265	0.643818	0.528052	0.64129	-6.07716	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	2.37464	2.267764	2.104662	1.689764	1.528499	1.456457	2.300453	2.030948	2.174206
MOB3A	ENSG0000	0.43531	5.077213	2.764509	0.013017	0.035918	-3.93042	5.008072	4.826575	4.76778	4.955356	5.075006	4.814227	4.779054	4.855002	4.72003	5.205778	5.389075	5.285361	4.900573	4.743056	4.804542	6.010007	6.014158	6.052569
KRCC1	ENSG0000	0.172357	4.277972	1.682181	0.110313	0.192925	-5.67934	4.192962	4.108838	4.087767	4.052041	4.276	4.096805	4.245129	4.090149	4.132351	4.19764	4.219284	4.29666	4.907798	5.085249	4.903135	4.406844	4.534411	4.546811
NME6	ENSG0000	0.163327	4.72622	3.24602	0.00462	0.015824	-2.81102	5.042051	4.817982	4.990634	4.821743	4.97698	4.884435	5.104539	5.197177	5.174497	4.545816	4.532919	4.569452	4.552785	4.429515	4.472558	4.704254	4.648991	4.617485
CYCS	ENSG0000	-0.09159	7.849706	-2.78878	0.012365	0.034509	-4.16611	8.509148	8.521291	8.45977	7.985443	8.021227	8.007404	8.35098	8.421873	8.370153	7.664091	7.637136	7.59388	7.041568	7.03923	7.098964	7.504534	7.586608	7.605174
SLFN12	ENSG0000	0.038517	2.407926	0.153393	0.879846	0.919923	-6.79523	2.798329	2.674627	2.399755	0.841981	1.006428	1.055701	2.513265	2.357042	2.127218	3.331423	3.455132	3.240362	3.768	3.745389	3.87435	3.52355	3.413359	3.455199
CALB2	ENSG0000	-0.26872	0.158199	-0.37633	0.711201	0.795105	-6.30188	4.232739	4.150501	4.294909	0.106501	0.106501	0.106501	1.966276	1.85606	1.314712	0.7264	1.529011	1.277453	0.234608	0.416769	0.186984	2.731965	2.711397	2.397196
SNTB1	ENSG0000	-0.23102	4.086586	-1.13033	0.27361	0.390522	-6.50589	2.461454	2.61635	2.5366	3.441022	3.48743	3.807755	3.507292	3.160038	3.084728	5.816639	5.801592	5.819366	4.665059	4.725555	4.708971	5.289021	5.322033	5.411738
MTBP	ENSG0000	-0.2396	3.187467	-3.41032	0.003227	0.011857	-2.32415	3.183753	2.935191	3.119366	2.143217	1.864131	2.317553	2.724622	2.848856	2.915195	4.656475	4.672521	4.626781	3.221013	3.131201	3.075009	4.382472	4.437531	4.483349
TEFM	ENSG0000	-0.12187	4.035552	-1.52532	0.145071	0.23826	-5.84736	4.232739	4.243278	4.48731	4.062381	3.784444	3.982555	4.235306	4.307901	4.103038	4.261822	4.040487	4.175097	3.95166	4.210485	4.029733	4.021281	3.992947	4.115895
MRPL13	ENSG0000	-0.2369	6.018189	-4.64584	0.000216	0.001378	-0.0152	6.171116	6.156761	6.036935	5.444703	5.375591	5.525804	5.925627	5.927193	5.857568	6.48061	6.495265	6.47027	5.939239	6.115569	6.098594	6.239922	6.197469	6.290535
MALT1	ENSG0000	0.337151	5.627693	1.684983	0.109763	0.192199	-5.83442	6.411038	6.331453	6.359515	7.133786	7.121975	7.102914	6.851417	6.860846	6.939788	4.799721	4.815334	4.776148	4.011012	4.073319	4.051393	4.808549	4.769683	4.819433
ISG20	ENSG0000	0.252807	5.699045	1.359978	0.191122	0.294422	-6.42848	5.633672	5.572461	5.426074	5.890028	5.751385	5.677574	6.220196	6.012346	6.089476	6.077544	6.075026	6.185519	4.816056	4.660731	4.785281	6.084924	6.101554	6.070675
MBOAT1	ENSG0000	-0.05837	2.383582	-0.55498	0.585943	0.691318	-6.79908	1.430644	1.002471	1.30847	1.457877	0.92021	1.055701	1.240874	0.622068	0.735084	4.417313	4.443776	4.557708	5.194447	5.287239	5.337086	4.442647	4.477953	4.531205
ID4	ENSG0000	-1.32433	4.336639	-6.56222	4.21E-06	6.55E-05	4.248627	3.765853	3.896716	3.845818	3.674639	3.934936	3.848471	3.866715	3.698786	3.586306	5.456306	5.491258	5.465856	5.840755	5.868482	5.882997	3.824254	3.910024	3.716682
CEBPB	ENSG0000	0.128322	5.864684	1.315886	0.205211	0.311303	-6.4448	6.435391	6.52074	6.647119	6.270533	6.430738	6.166432	6.799031	6.6022	6.751116	4.968993	5.27236	5.430875	5.254243	5.359369	5.305888	5.424501	5.389513	5.041309
PAIP1	ENSG0000	-0.01097	6.643936	-0.17662	0.861838	0.907236	-7.43016	6.969448	7.030628	6.968719	6.830739	6.73374	6.69757	6.915871	6.939052	6.863179	6.341317	6.334216	6.375613	6.534531	6.538756	6.557045	6.466479	6.364891	6.400554
CLEC7A	ENSG0000	-0.0315	-1.33267	-0.18018	0.859081	0.905423	-6.20275	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.616888	1.777644	2.055402	2.42639	2.627242	2.675503	1.542275	1.878239	1.739782
C5orf34	ENSG0000	-0.12225	1.489068	-0.54775	0.590788	0.695133	-6.21655	2.245129	1.978677	2.049454	2.103714	1.718467	2.132113	1.966276	2.108984	2.047395	2.320032	2.249583	2.460504	0.982856	1.2438	1.247156	2.154563	2.315011	2.119598
ZNF131	ENSG0000	-0.00439	5.750289	-0.08482	0.933369	0.956538	-7.33507	5.954295	5.881675	5.895639	5.772136	5.620805	5.799394	5.907184	6.078014	6.059269	5.845924	5.736174	5.743641	5.514586	5.518239	5.647313	5.617847	5.744615	5.666299
MACROD2	ENSG0000	-0.05749	0.253552	-0.28142	0.781696	0.847272	-6.04945	1.069823	0.875715	1.256574	1.104644	0.92021	0.909432	1.459147	1.15884	1.0941	1.278001	1.369793	1.126631	1.308151	1.428204	1.355599	0.884806	1.2488	1.115245
DPAGT1	ENSG0000	-0.17381	5.699675	-4.11467	0.000687	0.00345	-1.12819	5.565217	5.610278	5.671231	5.375899	5.49597	5.471446	5.478019	5.473553	5.431918	6.126099	6.091707	6.132075	5.854531	5.692298	5.840085	5.892671	5.945351	5.964291
BSG	ENSG0000	0.407725	9.212615	7.233692	1.19E-06	2.46E-05	5.098428	9.480241	9.490397	9.523376	9.993896	10.10335	9.995524	9.798913	9.75553	9.834837	8.355726	8.317252	8.415991	8.738642	8.736504	8.686122	8.903193	8.880412	8.866659
HINFP	ENSG0000	-0.16165	3.948645	-2.56911	0.019615	0.049552	-4.1187	3.349713	3.273623	3.359697	3.487804	3.278066	3.419122	3.315502	3.351955	3.373665	4.721121	4.799799	4.711369	4.984974	4.931925	5.012085	4.62683	4.419196	4.546811
CERS6	ENSG0000	-0.28991	7.399171	-1.70706	0.105513	0.186362	-6.10931	6.921575	7.007196	6.965692	7.785407	7.644767	7.655349	6.912793	7.041366	6.858801	8.04589	7.991148	7.973964	7.308654	7.356522	7.421486	7.499821	7.471205	7.487461
SPTLC3	ENSG0000	0.989869	3.689002	4.077836	0.000745	0.00369	-0.73415	2.609804	2.534795	2.446827	4.753186	4.594038	4.616245	4.637058	4.519046	4.261781	3.50465	3.398501	3.439082	4.245787	4.215509	4.297823	3.651445	3.458949	3.540816
COPRS	ENSG0000	-0.10568	5.455531	-2.17238	0.043851	0.093524	-5.0846	5.801771	5.720428	5.764758	5.654037	5.554381	5.637476	5.650549	5.682848	5.612649	5.391578	5.376563	5.521329	5.047367	5.25832	5.13383	5.367692	5.322033	5.314806
TP53RK	ENSG0000	0.004862	5.424599	0.067532	0.946925	0.965568	-7.29045	5.409064	5.51514	5.557879	5.087795	5.338674	5.230878	5.490461	5.560947	5.584645	5.439327	5.481554	5.537862	5.541158	5.614563	5.507395	5.533662	5.53284	5.299535
BPGM	ENSG0000	0.146777	3.707218	0.778784	0.446523	0.567234	-6.4793	4.066597	3.936954	3.922756	4.540361	4.284653	4.372816	4.293266	4.282412	4.235006	2.894025	3.136872	3.026968	4.241981	4.390067	4.237689	3.011667	2.985098	3.050576
POP7	ENSG0000	-0.03577	4.808033	-0.36333	0.720715	0.802215	-7.13672	4.595114	4.715296	4.701394	4.647264	4.694855	4.57438	4.520565	4.428995	4.542164	5.200749	5.221963	5.478369	4.742532	4.679032	4.745971	5.373887	5.353756	5.29338
ALG14	ENSG0000	0.077508	3.212439	0.857746	0.402642	0.524222	-6.35095	3.520128	3.494617	3.648527	3.441022	3.6964	3.700636	3.388228	3.89093	3.4839	3.0698	3.065914	2.966075	3.310958	3.223865	3.326666	3.043104	3.160915	3.189613
SUCLG2	ENSG0000	-0.63669	6.950299	-3.69794	0.001716	0.007164	-2.1578	8.091368	8.115134	8.056079	6.732178	6.625516	6.736053	7.262685	7.326535	7.29013	6.723489	6.698259	6.775442	6.671006	6.690792	6.718064	6.231987	6.216176	6.377466
GNB2	ENSG0000	0.354193	7.406824	6.797652	2.68E-06	4.72E-05	4.360776	7.437779	7.460055	7.48441	7.767348	7.983194	7.786204	7.741754	7.685333	7.672516	6.805281	6.834097	6.976273	7.342817	7.249155	7.261109	7.404197	7.345155	7.248332
MCRIP2	ENSG0000	-0.55563	5.112004	-4.88363	0.00013	0.000928	0.712988	6.198157	6.120531	6.191761	5.657452	5.87112	5.640377	5.238424	5.388507	5.321722	4.61171	4.609763	4.934378	4.454245	4.53375	4.460466	4.755763	4.559742	4.311289
C2CD2L	ENSG0000	0.280049	3.994116	2.432602	0.025993	0.061888	-4.35432	3.603403	3.547555	3.466347	3.714523	3.722109	3.797394	4.393833	4.221128	4.41276	4.386642	4.483212	4.34187	4.110387	4.288839	4.01878	4.473742	4.293974	4.299055
ARNT2	ENSG0000	0.565697	1.909547	3.047687	0.007103	0.022114	-2.62216	2.245129	2.37994	2.579475	2.291228	2.264801	2.288255	2.576877	2.324112	2.274723	1.704765	2.115463	1.969371	2.079215	1.970168	1.667532	2.890155	2.813204	2.442395
GNG12	ENSG0000	0.672043	7.796167	5.272453	5.68E-05	0.000484	1.237549	8.036705	8.07738	8.07071	8.945492	8.914739	8.925406	9.193313	9.20209	9.1531	6.625566	6.68225	6.712618	7.184757	7.155542	7.189657	6.745021	6.747615	6.919196
PRSS27	ENSG0000	-0.27893	1.57323	-2.49702	0.022772	0.055767	-3.72106	1.561356	1.508929	1.585853	1.578054	1.612488	1.757653	1.074544	1.301009	1.38134	2.635389	2.727926	2.816411	2.579013	2.517623	2.513282	2.639009	2.634012	2.374055
SYNPO2	ENSG0000	-0.03842	3.627384	-0.49147	0.629206	0.728896	-6.61625	3.836399	3.657602	3.931056	4.88719	4.84865	4.889321	3.647218	3.833587	3.783962	3.002038	2.980302	2.920951	4.143408	4.274468	4.169997	3.032701	2.908298	2.880366
CLP1	ENSG0000	-0.01367	4.811798	-0.23118	0.819862	0.876587	-7.19257	4.543331	4.424018	4.553323	4.218476	4.158524	4.170914	4.568297	4.610649	4.512744	5.326119	5.283572	5.414689	5.306202	5.255884	5.341488	5.260328	5.274377	5.377239
COPS9	ENSG0000	-0.00389	5.37064	-0.06481	0.949062	0.967256	-7.25674	5.403266	5.269425	5.290713	5.71757	5.654575	5.510028	5.218618	5.521547	5.435842	5.21079	5.301333	5.406528	5.463201	5.534411	5.654408	5.31071	5.206502	5.207621
GTPBP2	ENSG0000	0.113447	4.91692	2.240369	0.038323	0.084075	-4.92249	4.051848	4.243278	4.275483	4.40878	4.462952	4.271657	4.057185	4.147745	4.252911	5.550237	5.53695	5.45006	5.929806	5.923245	5.895027	5.64542	5.672912	5.720055
FGGY	ENSG0000	-0.93041	2.675088	-7.18566	1.30E-06	2.65E-05	5.620176	3.509372	3.759847	3.466347	3.273122	3.225109	3.119801	2.933443	2.894433	2.501332	3.091698	2.779525	2.966075	2.566893	3.032175	2.703134	2.400938	2.030948	2.033602
PRSS30P	ENSG0000	-0.22983	-1.65545	-1.23728	0.23235	0.343473	-5.37722	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.676063	1.644832	1.562415	1.897591	1.560439	1.826726	1.058946	1.581179	1.416439
FUT9	ENSG0000	0.116444	-0.73871	1.015353	0.323788	0.443585	-6.02632	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.08079	3.287042	2.766268	2.812503	2.756951	2.858649	2.924322	3.225651	3.135595
TCEAL1	ENSG0000	-0.24328	3.891944	-2.416	0.02689	0.063556	-4.2223	4.635242	4.360345	4.509652	4.88719	4.70778	4.918297	4.428731	3.978187	4.339245	3.576295	3.414909	3.579277	3.617489	3.560336	3.470269	3.39949	3.32748	3.241681
ZNF24	ENSG0000	-0.15285	6.554351	-1.52279	0.1457	0.238969	-6.29966	7.184164	7.258882	7.216333	6.243524	6.30028	6.263719	6.971664	7.041366	7.066682	6.412644	6.450203	6.354556	6.235665	6.2029	6.17458	6.289918	6.304986	6.301309
MANEA	ENSG0000	0.391831	3.722566	4.75255	0.000172	0.001157	0.692225	3.887134	3.991467	3.88052	4.333937	4.352066	4.400463	4.479546	4.526303	4.490278	3.284659	3.381904	3.373604	3.36795	3.503965	3.412858	3.493521	3.503143	3.410407
MAB21L4	ENSG0000	0.216406	1.714424	2.655553	0.016376	0.042932	-4.16964	0.106501	0.215206	0.323815	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	6.467061	6.446217	6.647626	7.487671	7.455388	7.398959	6.850958	6.731915	6.697111
AFF1	ENSG0000	-0.33748	5.539458	-4.94515	0.000114	0.000838	0.657646	4.516725	4.57954	4.492928	4.384261	4.352066	4.30129	4.552561	4.569092	4.497806	7.018203	7.201682	6.969641	6.427169	6.449894	6.341015	6.601065	6.580298	6.624204
FIBP	ENSG0000	0.196461	6.208778	2.430985	0.026079	0.062051	-4.72833	5.411954	5.337144	5.405371	6.34865	6.387211	6.293514	5.55111	5.602735	5.612649	6.439576	6.481699	6.552455	6.93657	6.911938	6.865962	6.69971	6.714164	6.594479
BANP	ENSG0000	0.200805	3.8373	2.012575	0.059829	0.1196	-5.02237	3.84498	3.58855	3.688245	4.122913	4.020303	4.226032	4.079318	4.030158	4.063004	3.926269	3.878373	3.973292	4.050717	3.78648	3.679472	4.067877	4.07722	3.797179
PPP1CA	ENSG0000	0.466377	7.36273	11.04083	2.63E-09	2.29E-07	11.47089	6.665951	6.689226	6.678272	7.218288	7.216574	7.18469	7.246883	7.155741	7.297697	7.491066	7.389824	7.535202	7.814209	7.77118	7.756307	7.879111	7.886835	7.821088
HCFC1	ENSG0000	-0.14649	7.227991	-1.58644	0.130566	0.219895	-6.27777	7.227465	7.244525	7.410643	7.171291	7.421707	7.320227	7.220985	7.094814	7.156216	7.47293	7.535284	7.412607	6.973764	6.79515	6.888701	7.369483	7.325599	7.242753
PDE3A	ENSG0000	0.567694	3.135541	1.606473	0.126085	0.213996	-4.9351	7.133406	7.175568	7.149433	8.013692	7.980534	8.099363	7.770096	7.767241	7.765097	0.7264	0.748206	0.958181	0.294634	0.345231	0.404558	0.686723	0.358227	0.497646
RASGRP1	ENSG0000	-0.85026	2.569949	-3.55722	0.002338	0.009176	-1.68377	3.041689	2.853456	2.99819	2.425456	2.366112	2.346268	2.412257	2.147141	2.047395	3.113269	3.295928	2.87437	4.006532	3.766081	3.922159	2.597261	2.354144	2.200755
CHCHD1	ENSG0000	0.050938	4.999837	0.870774	0.395681	0.517191	-6.77744	5.362012	5.237561	5.344527	5.615935	5.431202	5.404757	5.482179	5.462247	5.338588	4.553726	4.739193	4.783729	4.650776	4.704269	4.705559	4.730238	4.641102	4.665927
MRPL52	ENSG0000	-0.11472	5.694633	-1.67915	0.110911	0.193686	-6.00389	5.364998	5.396065	5.480815	4.746789	4.84865	4.662649	5.152303	5.028565	5.121883	6.424556	6.399572	6.498188	6.28459	6.235415	6.121813	6.563618	6.413172	6.330153
SMPDL3A	ENSG0000	0.155808	2.045838	0.927567	0.366265	0.488182	-5.9644	2.296082	1.631689	1.987129	3.273122	3.033076	3.051692	1.917967	2.220554	2.309357	2.100009	2.303453	1.986992	2.638129	2.784257	2.821313	2.075685	2.054898	2.442395
RND1	ENSG0000	0.301686	1.856177	1.429917	0.170374	0.269866	-5.71643	1.286899	0.661886	0.829201	1.634586	1.768674	1.422231	1.160105	0.824004	1.171446	3.798946	3.68898	3.834184	3.057395	2.888589	2.858649	4.057652	4.094656	3.976887
RAD9A	ENSG0000	-0.21287	3.73731	-2.1628	0.044686	0.094866	-4.82105	3.454357	3.439663	3.466347	3.619685	3.546181	3.26222	3.490873	3.302095	3.162566	4.58494	4.536672	4.612661	3.997531	3.86531	3.922159	4.349322	4.211138	4.494122
EFEMP2	ENSG0000	0.76506	0.367224	2.499994	0.022632	0.055494	-3.39248	1.519087	1.327092	1.54317	1.840866	1.307481	1.310092	1.588238	1.491012	1.727075	0.7264	0.583785	0.449284	1.154653	1.528499	1.390007	1.214313	0.871168	1.322858
WASHC2C	ENSG0000	-0.23579	5.066755	-2.83951	0.011101	0.03159	-3.61563	6.022073	6.083368	6.042692	6.245795	6.081878	6.248587	5.847177	5.962395	5.926124	4.299944	4.082178	4.201752	4.499582	4.630959	4.569568	3.818209	3.829005	3.797179
TMEM134	ENSG0000	-0.10981	4.703509	-1.20499	0.244269	0.357237	-6.43018	4.683882	4.673038	4.89628	4.245952	4.537243	4.512384	4.376062	4.405576	4.339245	4.877414	4.881766	4.90687	5.240955	5.107039	5.183718	5.03391	4.897703	4.894538
ZMAT3	ENSG0000	-0.23746	5.39206	-2.79024	0.012326	0.034431	-3.79691	6.506075	6.541767	6.566826	6.408639	6.212315	6.365418	6.227647	6.29959	6.152831	4.533868	4.54415	4.29666	4.690417	4.70069	4.76248	4.271827	4.395944	4.359215
ZFAND4	ENSG0000	0.276364	1.74566	1.675658	0.111602	0.194636	-4.95393	2.629805	2.513665	2.812981	2.91067	2.737798	3.216292	2.637802	3.043491	2.959482	1.315703	1.467416	1.333627	1.667235	1.462417	2.014873	1.599785	1.329561	1.703111
ZNF738	ENSG0000	0.056963	1.935614	0.583742	0.566852	0.67647	-6.35854	1.894617	2.009193	1.667608	1.840866	1.718467	1.669505	2.058296	1.901414	1.962896	2.736149	2.779525	2.569785	2.770846	2.888589	2.846311	2.706012	2.726388	2.649309
SLFN11	ENSG0000	0.812399	0.193441	2.809722	0.011827	0.033245	-2.80777	1.12723	1.118985	1.028027	2.103714	1.996426	1.367251	1.917967	1.945386	1.620777	1.028404	0.748206	0.726056	0.745413	0.671977	0.533283	0.837776	1.118494	0.872651
CORO1B	ENSG0000	0.196393	6.252931	2.124458	0.048177	0.100729	-5.30198	5.601118	5.622666	5.673707	5.938549	6.079394	5.877705	5.907184	5.833775	5.773239	6.279458	6.321217	6.488942	7.312288	7.268621	7.278432	6.649529	6.5772	6.442871
FUT10	ENSG0000	-0.02766	3.779208	-0.33611	0.740791	0.817533	-6.85399	3.967917	4.354415	4.057757	3.840029	3.734793	4.036412	4.393833	4.203129	4.216877	3.907872	3.878373	3.848714	3.429485	3.520297	3.454098	3.762638	3.675254	3.669942
LRRC20	ENSG0000	0.076257	3.59615	0.56744	0.577632	0.684572	-6.57537	4.232739	4.249682	3.906009	4.927344	4.888929	4.839695	4.393833	4.397684	4.355908	3.047564	2.946841	3.125724	3.157774	3.329589	2.930541	2.855159	2.985098	2.629903
MUS81	ENSG0000	0.077439	5.409454	1.471681	0.158884	0.255907	-6.26285	4.758449	4.774231	4.874926	4.54774	4.701332	4.414089	4.864381	4.825892	4.878354	6.111435	6.069855	6.138988	6.161037	6.169635	6.186865	6.189303	6.177154	6.228989
TMEM217	ENSG0000	0.28905	0.434859	1.385593	0.183299	0.285139	-5.13284	1.286899	1.277811	1.146821	1.840866	1.768674	1.714252	1.459147	1.710758	1.445026	1.073118	0.640699	0.958181	1.524131	1.393161	1.247156	0.686723	1.072305	0.999041
ZNF596	ENSG0000	-0.28119	1.522904	-1.74463	0.098607	0.176913	-4.89981	1.894617	2.470453	2.326135	1.840866	1.666451	2.064596	1.917967	1.901414	1.962896	2.18395	2.032826	1.73919	1.935792	2.084417	1.970087	1.627702	1.956613	1.910335
CFL1	ENSG0000	0.079741	9.618135	3.023351	0.007486	0.023048	-3.81552	9.248456	9.221021	9.214441	9.138048	9.231555	9.135609	9.282466	9.263357	9.297301	10.05129	9.989818	9.987287	9.892123	9.940787	9.935498	10.09303	10.11256	10.12717
TMCC1	ENSG0000	-0.05411	4.715293	-0.71114	0.486379	0.604652	-6.91299	4.2778	4.184325	4.145977	4.640378	4.551652	4.72411	4.068294	3.833587	3.913431	5.144243	5.279098	5.160861	5.456648	5.40626	5.453507	5.153958	5.16584	5.397464
NAA16	ENSG0000	0.27266	3.989466	2.477996	0.023681	0.057588	-4.21274	3.498536	3.695626	3.678418	4.290615	4.343809	4.467345	4.154215	4.119235	4.042563	4.182415	4.132653	3.986493	4.063713	4.062207	4.179864	4.098126	4.293974	4.18401

PSME3IP1	ENSG0000	-0.30719	6.423468	-6.8856	2.27E-06	4.13E-05	4.625383	6.996658	7.042664	7.004557	6.918734	6.807642	6.952282	6.589465	6.581449	6.607167	6.124772	6.069855	6.148806	6.146858	6.077446	6.088153	5.958727	5.945351	5.886702
RAB43	ENSG0000	0.234606	-0.06878	0.826097	0.419884	0.541409	-5.68305	0.667115	0.499412	0.512639	1.326771	1.718467	1.188496	0.415731	0.509405	0.735084	0.834246	1.112482	1.277453	1.524131	1.495836	1.423614	1.177011	1.547811	1.058313
CBWD1	ENSG0000	-0.18592	4.876139	-2.74283	0.013628	0.037249	-3.88789	5.125418	5.011285	5.134153	5.117849	5.029402	5.063714	4.7858	4.911516	4.825493	4.883704	5.003394	5.01818	4.734427	4.739573	4.742646	4.793224	4.695442	5.059556
DCP2	ENSG0000	-0.4367	5.21817	-5.86234	1.68E-05	0.000192	2.694658	5.806172	5.792378	5.666267	4.881362	4.854473	4.894191	5.555064	5.7022	5.466856	5.756222	5.608245	5.612134	4.653644	4.668079	4.681452	5.028684	4.92395	5.119922
RPL38	ENSG0000	-0.03138	8.439568	-0.84725	0.408307	0.530226	-7.23123	8.611389	8.594187	8.604645	8.454471	8.47832	8.401253	8.562662	8.470178	8.535162	8.38484	8.398655	8.304461	8.2684	8.358036	8.428892	8.349143	8.361231	8.423794
CYP7B1	ENSG0000	-0.16803	-1.10426	-1.14821	0.266357	0.382624	-5.71841	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.543041	2.500824	2.638296	1.99126	2.169719	2.465679	2.229352	2.190809	2.649309
OVOL1	ENSG0000	-0.54159	0.891824	-7.91552	3.49E-07	9.32E-06	6.71303	0.216396	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.952982	5.853677	5.950891	5.955599	5.819829	5.730227	5.336314	5.465192	5.365554
RARG	ENSG0000	-0.43525	6.011397	-6.06708	1.12E-05	0.000139	2.971332	5.049495	5.130591	5.086643	4.440838	4.628433	4.55606	4.528631	3.999201	4.252911	7.722714	7.584164	7.736785	7.346367	7.309134	7.318621	7.432171	7.365048	7.361492
CES4A	ENSG0000	-0.49205	0.193084	-3.41726	0.003178	0.011738	-1.93593	0.41387	0.316291	0.323815	0.258133	0.389229	0.2349	0.106501	0.106501	0.106501	3.255856	3.195032	3.203153	3.974777	3.871689	3.916269	2.77004	3.034117	3.050576
CES3	ENSG0000	-0.11916	0.389105	-0.51848	0.610625	0.712237	-5.85798	2.27083	2.125186	2.194417	2.143217	2.117603	2.064596	1.816207	1.85606	2.047395	0.415169	0.748206	0.499259	0.701742	1.077171	0.760679	0.686723	0.69947	0.580851
SSH3	ENSG0000	-0.08132	4.958246	-0.85781	0.402606	0.524222	-6.8628	4.538049	4.424018	4.37619	4.517996	4.408574	4.186878	4.111894	3.84524	4.00079	5.46891	5.538823	5.560106	6.210567	6.107484	6.123092	5.557443	5.686391	5.562649
CES2	ENSG0000	-0.2868	6.76701	-4.74159	0.000176	0.001178	0.171127	7.70793	7.665007	7.748466	7.408616	7.497166	7.476138	7.281899	7.205184	7.286875	6.143238	6.045033	6.119148	6.208618	6.159243	6.11025	6.062088	6.042884	5.915037
PDP2	ENSG0000	0.003473	5.221685	0.031936	0.974885	0.98341	-7.22082	5.506933	5.32203	5.483639	5.72735	5.824412	5.794193	5.566862	5.408281	5.519576	5.159875	5.095341	5.037335	4.853955	4.565575	4.749288	5.02081	4.993761	5.09537
SP3	ENSG0000	0.147171	6.77445	2.410152	0.027212	0.064133	-4.83638	6.411038	6.37311	6.347162	6.553121	6.546779	6.583107	6.763589	6.85221	6.665144	7.006724	6.990755	6.974066	7.047032	7.124496	7.08918	6.908277	6.981932	6.970241
DMXL1	ENSG0000	0.564312	5.245587	8.748286	8.49E-08	3.26E-06	8.145276	5.246942	5.393175	5.396406	6.331652	6.23258	6.382847	5.982519	6.100066	6.01274	4.337085	4.390842	4.224215	5.012045	5.029288	5.076884	4.595365	4.73304	4.731125
METAP1D	ENSG0000	-0.25508	4.109518	-4.56603	0.000257	0.001581	0.152096	4.271448	4.522504	4.520694	4.052041	4.110665	3.97338	4.13321	4.128801	4.17992	4.295234	4.427694	4.398932	3.937609	3.993677	4.051393	4.194605	4.151298	4.150354
ZNF621	ENSG0000	-0.19818	4.969528	-2.19335	0.042072	0.090558	-4.95974	5.379837	5.375715	5.50047	4.971905	4.733289	4.942007	5.213624	5.289629	5.261087	4.874259	5.123069	4.835713	4.846454	4.767207	5.000996	4.681127	4.808944	4.703543
EGFL7	ENSG0000	0.39796	5.132735	2.75759	0.013209	0.036327	-3.72517	6.551345	6.620472	6.73033	6.803259	7.061583	6.810071	6.976095	6.717636	6.904826	3.047564	3.278101	3.602326	3.288992	3.591587	3.404467	4.240529	4.041704	4.044405
NADSYN1	ENSG0000	0.068933	5.71265	0.757072	0.459092	0.579633	-6.95723	6.033379	6.013586	6.013674	6.684442	6.610109	6.691987	6.073542	6.100066	6.174129	4.951137	4.836805	4.771071	5.972925	5.852446	5.933444	4.704254	5.072132	4.906683
DHCR7	ENSG0000	0.791247	6.39257	4.177516	0.000599	0.0031	-1.03534	6.108352	6.151641	6.074887	7.117763	7.015546	7.017339	7.656911	7.452818	7.578916	6.014459	5.915526	6.043273	5.755221	5.727893	5.66674	6.160926	5.950148	6.008166
NBEA	ENSG0000	0.145763	3.381213	0.62982	0.536959	0.649079	-6.58931	2.725848	2.966631	3.217639	4.254996	4.110665	4.28655	3.238915	3.002451	3.023464	3.560679	3.878373	3.495574	3.409264	3.453829	3.563664	3.756329	3.757829	3.734962
RNASEH2C	ENSG0000	0.635542	4.81408	7.193381	1.28E-06	2.62E-05	5.384018	3.633432	3.714268	3.81026	4.765896	4.955466	4.98829	4.673889	4.703199	4.700591	4.963066	4.942447	4.950186	5.631211	5.556356	5.570637	5.492503	5.401238	5.233567
MYEOV	ENSG0000	-0.34094	4.98554	-4.02112	0.000843	0.004085	-1.36172	3.623492	3.968357	3.871922	2.840308	2.57804	2.258349	2.667326	2.623806	2.915195	7.583797	7.546962	7.590642	6.575183	6.478387	6.525471	7.355986	7.391741	7.335521
ANKRD13D	ENSG0000	0.069229	4.749032	0.931638	0.364215	0.486081	-6.73988	4.158957	4.17089	4.476008	4.54774	4.758354	4.592471	4.496094	4.389749	4.475104	5.228194	5.097884	5.243822	5.127945	5.10974	5.060955	5.189513	5.211838	5.161062
MYD88	ENSG0000	0.771601	5.933576	4.471215	0.000315	0.001868	-0.34968	4.044416	4.058659	3.955676	6.474	6.366983	6.521493	5.360933	5.302366	5.291723	6.156285	6.183153	6.195974	7.125048	7.108382	7.193924	6.69477	6.706624	6.650925
OXSR1	ENSG0000	0.046731	6.626255	0.800618	0.434101	0.555318	-7.13152	6.386267	6.27135	6.322134	6.607092	6.44045	6.56184	6.54244	6.387886	6.336161	6.846112	6.943469	6.913155	6.715603	6.80851	6.744068	6.923138	6.892552	6.90413
PHF8	ENSG0000	-0.19857	6.50638	-3.07087	0.006756	0.021355	-3.49023	6.704182	6.704458	6.685649	5.901593	5.830334	5.930809	6.49383	6.41355	6.584368	6.952408	6.856795	6.822822	6.525948	6.472103	6.474272	6.720924	6.693334	6.648516
LCLAT1	ENSG0000	0.722233	4.682498	12.83592	2.49E-10	3.99E-08	13.99819	4.456406	4.395423	4.288462	4.797189	4.701332	4.834637	5.060712	5.27247	5.150819	4.35077	4.36574	4.415294	4.718081	4.638459	4.863891	4.950708	5.036489	5.037632
MIR4435-2	ENSG0000	-0.20669	5.289224	-1.39259	0.181209	0.282969	-6.36056	5.356021	5.444322	5.344527	3.933121	3.923901	4.009735	5.435754	5.462247	5.238799	6.01159	5.929869	5.980882	5.542705	5.59927	5.726866	5.664076	5.711094	5.656743
VDAC2P5	ENSG0000	-0.021	-0.20973	-0.07028	0.944767	0.964196	-5.93375	1.681202	1.670392	1.888281	1.519216	1.498102	1.188496	2.186178	1.430416	1.777424	0.934589	0.748206	0.397516	0.294634	0.26996	0.404558	0.63264	0.69947	0.409347
KAT5	ENSG0000	0.067076	5.888301	1.373082	0.187087	0.289533	-6.43492	5.708461	5.750092	5.690917	5.591153	5.529116	5.559916	5.850398	5.876989	5.895106	6.123444	6.045033	6.185519	6.124292	6.074684	6.080272	6.207916	6.079832	6.070675
GXYLT2	ENSG0000	0.492323	1.356252	1.038315	0.313276	0.43295	-5.66321	2.218961	2.179863	2.109199	1.888135	2.078331	2.098749	2.376953	2.481727	2.471058	1.028404	1.029669	0.683459	2.706013	2.686334	2.858649	1.177011	1.406038	1.115245
DCAKD	ENSG0000	-0.57521	4.799482	-5.47614	3.72E-05	0.000352	1.979307	5.334855	5.32203	5.363051	4.532944	4.621619	4.604407	4.544628	4.747338	4.751857	5.004057	4.989766	5.056239	5.134119	4.92887	4.778803	4.519164	4.660745	4.461559
TADA2B	ENSG0000	0.079722	5.958962	1.682339	0.110281	0.192918	-5.99076	6.095825	6.094084	6.087938	5.949732	5.994917	5.897242	5.994216	6.040494	6.06688	5.849142	5.840072	5.937359	5.935709	5.855668	5.855558	6.142902	6.063691	5.989254
CCDC96	ENSG0000	-0.31053	0.794028	-1.55236	0.138495	0.229905	-5.03219	1.384302	1.327092	1.818408	1.634586	1.498102	1.475193	0.983587	0.915275	1.445026	1.616888	1.467416	1.387696	1.597456	1.993753	1.775589	1.177011	1.513652	1.703111
GRK2	ENSG0000	0.215663	6.921051	1.738244	0.099753	0.178422	-6.04552	5.643543	5.752349	5.64624	6.120268	6.407159	6.164417	5.964794	5.991525	5.923331	8.000672	7.948461	8.070359	7.615258	7.542424	7.543529	8.244286	8.166128	8.110367
RELA	ENSG0000	-0.05757	7.062513	-0.90754	0.376464	0.498942	-7.08392	6.923601	6.89115	7.022147	6.608857	6.743187	6.65373	6.760168	6.772065	6.870446	7.295606	7.174836	7.404844	7.468661	7.404054	7.411576	7.309883	7.336021	7.278244
ZNF680	ENSG0000	-0.13141	2.865588	-1.04249	0.311389	0.431095	-6.39063	1.642349	1.947501	2.018628	2.425456	2.193078	1.575618	1.917967	1.988058	2.165532	4.58494	4.479316	4.753161	3.675081	3.826433	3.824901	4.442647	4.258317	4.59264
HECTD4	ENSG0000	0.124612	5.821828	1.485438	0.155242	0.251148	-6.24086	5.562619	5.607787	5.703085	5.996317	6.081878	6.287974	6.079044	5.795247	5.880784	5.72153	5.983108	5.470561	6.063051	5.993658	5.950836	5.757061	5.682553	5.65194
FAM222B	ENSG0000	1.336032	5.366456	16.15867	6.01E-12	2.50E-09	17.66937	4.478633	4.435299	4.441562	5.654037	5.617385	5.584228	5.506885	5.360361	5.673738	4.460029	4.599033	4.635187	6.349704	6.185083	6.315508	6.076086	5.977034	5.97009
BNC2	ENSG0000	0.808689	0.04944	1.772985	0.093658	0.169717	-4.5364	4.456406	4.136747	4.314076	3.619685	3.588725	3.560621	5.238424	5.108097	5.005251	0.190076	0.106501	0.106501	0.106501	0.26996	0.263213	0.183756	0.106501	0.106501
HPSE	ENSG0000	-0.73988	3.429742	-10.1522	9.46E-09	6.26E-07	10.41361	3.262728	2.9974	3.24453	3.359513	3.151334	3.231764	2.26554	2.596487	2.202855	4.464232	4.419586	4.431472	4.414217	4.561635	4.456413	3.7814	3.786722	3.856822
COQ2	ENSG0000	0.18741	4.078139	1.964463	0.06558	0.128499	-5.10476	4.620325	4.424018	4.44736	4.43289	4.580048	4.761901	4.723921	4.819999	4.73921	3.591745	3.836353	3.413246	3.819988	3.852467	3.957004	3.830273	3.571152	3.621636
HSPA6	ENSG0000	0.461003	3.989484	2.615167	0.01782	0.045864	-4.23617	2.218961	2.125186	2.138168	2.518519	2.737798	2.374422	2.186178	1.491012	2.005764	6.74524	6.219803	6.331464	5.168614	5.188499	5.110805	6.850958	7.113907	6.916195
TRMT112	ENSG0000	-0.01347	7.420103	-0.31837	0.753978	0.827709	-7.4962	7.078979	7.083567	7.042402	6.704387	6.706631	6.689188	7.068894	6.955272	7.116428	8.053233	7.886936	7.9814	7.808752	7.820236	7.825117	7.973917	7.954845	7.977531
KDM2A	ENSG0000	-0.03814	7.382157	-0.83756	0.413583	0.535498	-7.18507	6.94571	7.043585	6.98376	6.54577	6.573505	6.649416	7.021098	6.963315	6.945304	8.025059	8.003746	7.967321	7.861489	7.848	7.836468	7.978328	7.925104	7.934184
ADCK5	ENSG0000	-0.02913	3.02413	-0.40426	0.690923	0.778944	-6.74833	2.438959	2.308123	2.166567	2.864145	2.71237	2.481849	2.545421	2.357042	2.408535	3.805587	3.953305	3.882059	4.312636	4.200384	4.179864	3.799922	3.863317	3.734962
MRPL57	ENSG0000	-0.12423	5.671496	-2.26794	0.036271	0.080494	-4.9698	5.578142	5.738755	5.64624	5.464331	5.507103	5.401341	5.490461	5.575011	5.431918	5.844313	5.939825	6.120146	5.728267	5.706642	5.836971	5.985944	5.861261	5.756303
NOC3L	ENSG0000	-0.01635	5.792092	-0.23336	0.818193	0.875284	-7.32276	5.93634	6.045222	6.003871	5.521661	5.550798	5.605169	5.949855	6.143184	5.96466	5.800109	5.818649	5.799558	5.724181	5.814873	5.774854	5.705599	5.795257	5.78729
ESRRA	ENSG0000	0.086244	5.828126	1.139904	0.269707	0.386385	-6.70073	5.45743	5.355074	5.393406	5.768983	6.049244	5.697212	5.469665	5.331655	5.478316	6.001504	6.071149	6.158558	6.227989	6.192746	6.1597	6.324444	6.205516	6.045263
RHOD	ENSG0000	0.309334	4.626893	4.24077	0.000521	0.002786	-0.75722	3.085796	3.286138	3.231147	3.753334	3.683372	3.419122	3.219115	3.160038	3.421943	5.636563	5.657342	5.913369	6.378593	6.319479	6.455103	6.241052	6.097236	5.913032
COMMD1	ENSG0000	-0.11835	4.259556	-2.0453	0.056181	0.113682	-5.08518	4.439509	4.354415	4.424025	4.041626	4.120365	4.386706	4.245129	4.389749	4.279358	4.517783	4.357275	4.453822	4.32708	4.363157	4.372859	4.32821	4.298997	4.341429
RAPH1	ENSG0000	0.079218	5.898517	0.903751	0.378415	0.50056	-6.91949	5.912046	5.790183	5.922947	6.446632	6.331931	6.496091	6.045709	6.095194	6.041352	5.716254	5.865664	5.692199	5.702186	5.661337	5.716735	5.726727	5.690219	5.774091
MTX1	ENSG0000	-0.27099	5.437237	-3.66048	0.001864	0.00766	-2.07148	5.868521	5.787985	5.764758	5.072529	5.1432	5.1639	5.360933	5.364416	5.559688	5.57959	5.58849	5.622036	5.446761	5.48534	5.405959	5.454038	5.389513	5.431488
PARP14	ENSG0000	0.092645	6.843215	1.07516	0.296922	0.415878	-6.91475	5.914086	5.839841	5.863473	6.115311	6.128283	6.125602	5.784566	5.9217	5.848765	7.816926	7.882518	7.706192	7.532375	7.572592	7.554473	7.806164	7.98749	8.058237
CKS1B	ENSG0000	-0.05332	6.152868	-0.41283	0.684749	0.774346	-7.34793	6.577325	6.535229	6.464749	5.569568	5.703792	5.559916	6.44991	6.723961	6.605426	6.93207	6.764578	6.814827	4.766576	4.92887	4.785281	6.663082	6.671231	6.668864
AHSA2P	ENSG0000	-0.12715	4.595682	-1.29029	0.213758	0.321903	-6.2632	4.456406	4.293732	4.686762	4.99368	4.831037	4.942007	4.504297	4.533523	4.6676	4.667452	4.875852	4.554757	4.86884	4.777434	4.857757	4.189932	4.419196	4.703543
ABLIM3	ENSG0000	0.534222	2.454688	6.021081	1.22E-05	0.000149	3.17311	0.587539	0.499412	0.829201	1.256461	1.164793	1.055701	0.670238	1.301009	1.0941	4.966032	5.051412	4.974681	5.094564	5.012067	5.193492	5.498185	5.467424	5.502565
MAB21L3	ENSG0000	-1.0711	-0.80883	-5.73192	2.20E-05	0.000233	2.899862	0.318509	0.316291	0.323815	0.258133	0.25478	0.106501	0.106501	0.106501	0.106501	2.121457	2.372288	2.213454	1.954519	2.084417	2.220059	1.542275	1.737342	1.504318
MFSD4B	ENSG0000	-0.0036	2.620657	-0.03169	0.975077	0.983432	-6.62437	2.949211	2.836538	3.06005	2.48816	2.660129	2.605775	3.19904	2.825515	3.044176	2.856146	2.946841	2.7037	2.802201	2.901116	3.032078	2.794876	2.755911	2.778299
VANGL1	ENSG0000	1.373953	6.159418	12.11427	6.22E-10	7.83E-08	13.03154	4.855064	4.86879	4.758481	6.560435	6.744756	6.659462	6.688182	6.482325	6.502546	5.702088	5.676181	5.66372	6.65177	6.588979	6.619099	6.748998	6.744856	6.783075
GLRX	ENSG0000	0.248521	5.909103	3.101185	0.006327	0.020302	-3.1704	7.802926	7.794387	7.724191	7.303572	7.294681	7.313881	8.164929	8.133751	8.217817	4.489195	4.369954	4.402219	3.783794	3.738425	3.793113	4.332457	4.395944	4.170642
IQCB1	ENSG0000	-0.50652	4.183115	-5.30167	5.35E-05	0.000464	1.669988	4.495082	4.624584	4.288462	3.472378	3.546181	3.608819	3.719464	3.711575	3.421943	4.902409	4.899366	4.857431	4.558917	4.463697	4.504317	4.640597	4.486784	4.627304
SYT12	ENSG0000	0.121917	3.631633	2.11721	0.048864	0.101817	-5.20113	1.069823	1.226787	0.898566	1.326771	1.768674	1.526279	0.886508	0.915275	1.314712	6.764964	6.759769	6.851964	7.132777	7.056831	7.129833	6.923138	6.947162	6.888904
GOLGB1	ENSG0000	-0.04871	6.122477	-0.7358	0.471613	0.591302	-7.09183	5.916123	5.952086	6.099032	6.416721	6.360859	6.630571	5.791286	5.871301	5.959217	6.008715	6.143088	5.743641	6.617661	6.603423	6.590718	5.943536	5.984847	5.962353
C11orf86	ENSG0000	-0.11719	0.240001	-0.23468	0.817184	0.874729	-5.99386	1.384302	1.551021	1.853768	2.103714	2.078331	2.196611	1.648695	1.710758	2.047395	1.388276	1.265082	1.126631	0.352262	0.416769	0.186984	0.837776	0.572487	0.999041
GPR137	ENSG0000	-0.08357	4.736907	-1.11753	0.278896	0.396209	-6.47866	4.798758	4.809337	5.010354	5.272812	5.387689	5.203674	4.851577	4.790167	4.789145	4.497421	4.644965	4.69001	4.734427	4.627193	4.639165	4.584723	4.482376	4.45606
SNCG	ENSG0000	-0.14179	3.555127	-1.72711	0.101777	0.181223	-5.83816	1.561356	1.744817	1.706811	0.742604	1.307481	1.055701	1.389995	1.760835	1.244857	6.51849	6.387151	6.539825	6.686492	6.612974	6.649596	6.365436	6.334638	6.365783
MMRN2	ENSG0000	0.28765	-0.75573	1.437145	0.168338	0.267401	-5.37943	0.106501	0.215206	0.106501	0.106501	0.25478	0.106501	0.106501	0.253663	0.106501	1.91588	2.453955	2.485514	2.83289	2.784257	2.633039	2.524879	2.354144	2.629903
MZT2A	ENSG0000	-0.04245	5.19092	-0.45493	0.654758	0.751045	-7.09784	5.847324	5.912273	5.957896	5.375899	5.72937	5.522662	5.78793	5.7054	5.830996	4.569418	4.679329	5.041557	4.601127	4.615839	4.588211	5.080106	4.829917	4.541628
TNKS	ENSG0000	-0.12952	5.255829	-2.59033	0.018768	0.047845	-4.23898	5.70139	5.668796	5.81496	5.612421	5.53638	5.751893	5.566862	5.609584	5.523269	5.041104	5.043519	4.904554	4.912595	4.894826	5.034009	4.902958	4.864208	4.938581
ZNF449	ENSG0000	-0.02058	2.860817	-0.22485	0.824702	0.880087	-6.56263	3.498536	3.428416	3.565652	3.753334	3.616407	3.632327	3.457463	3.619579	3.557782	2.574485	2.604605	2.497858	2.727949	2.797719	2.465679	2.300453	2.500854	2.610232
ZBTB21	ENSG0000	-0.09767	4.591069	-1.00452	0.328834	0.448791	-6.62024	5.042051	4.929882	4.946277	4.171485	4.276	4.34463	4.772276	4.664259	4.72003	4.721121	4.536672	4.654613	4.653644	4.704269	4.606616	4.694387	4.65292	4.651565
PPP1R3B	ENSG0000	-0.04733	4.773253	-0.77189	0.45049	0.570899	-6.9127	4.707601	4.594711	4.339244	4.299384	4.231942	4.130213	4.504297	4.603806	4.585199	5.387157	5.535075	5.396673	4.82626	4.901075	4.814076	5.378002	5.26414	5.428683
FAM86B3P	ENSG0000	-0.65039	1.815548	-5.0457	9.17E-05	0.000708	1.486144	1.861169	1.81559	1.667608	1.578054	1.556428	1.526279	1.160105	0.824004	1.171446	3.186323	3.250939	3.172678	3.221013	3.41941	3.085545	2.568742	3.081525	2.668457
STOX2	ENSG0000	-0.06065	3.896099	-0.71896	0.481666	0.600575	-6.56747	4.456406	4.501192	4.388298	4.746789	4.928114	5.076625	4.264577	4.341199	4.235006	3.255856	3.1855	3.187996	3.918659	3.78648	3.910354	3.366734	3.104657	3.398988
MAP3K11	ENSG0000	0.099516	6.4105	2.007344	0.060432	0.120565	-5.53503	5.792929	5.71581	5.778624	5.977316	6.221357	5.988874	5.843949	5.740142	5.895106	6.801133	6.742809	6.951805	7.200042	7.118474	7.10545	7.003244	7.005936	6.843293
TRIB1	ENSG0000	-0.78594	5.962548	-7.40131	8.73E-07	1.92E-05	5.600056	6.031501	5.99274	6.071137	4.827817	4.782991	4.829562	4.709802	4.696781	4.694053	7.134188	7.101338	7.178168	6.667463	6.600546	6.595334	6.617691	6.641881	6.678341
SFT2D3	ENSG0000	0.159153	3.968193	2.645354	0.01673	0.043698	-3.89999	3.719942	3.439663	3.618004	4.112999	3.978251	4.062605	3.66196	3.761625	3.641718	3.956418	4.157244	4.197974	4.659362	4.679032	4.635585	4.302461	4.227036	4.329449
DAG1	ENSG0000	0.482364	7.946483	3.44643	0.002981	0.011187	-2.75543	8.0207	8.061087	8.055605	9.439916	9.55671	9.44925	8.407293	8.316465	8.368101	6.80859	6.877662	6.786176	7.549414	7.534907	7.502347	7.486542	7.484493	7.458189
ARV1	ENSG0000	0.731422	4.249245	5.480294	3.69E-05	0.00035	2.210031	4.798758	4.86879	4.883506	5.746715	5.582723	5.812316	5.523124	5.609584	5.619566	2.749986	2.561038	2.7037	3.970183	4.028349	4.139984	3.39949	3.337278	3.050576
NAA20	ENSG0000	-0.29871	7.143746	-4.55901	0.000261	0.001598	-0.30919	7.502938	7.516246	7.412126	6.657412	6.735318	6.701742	6.908164	6.989804	7.080534	7.354529	7.432254	7.435649	7.075114	7.123828	7.035851	7.252764	7.29513	7.270432
SAA1	ENSG0000	-2.35066	1.361353	-4.67942	0.000201	0.001304	0.843164	5.590951	5.352102	5.350729	5.55133	5.411586	5.622881	2.724622	3.102941	2.869505	0.190076	0.259702	0.288049	0.656707	0.837535	0.760679	0.576451	0.19538	0.580851
MICOS10	ENSG0000	0.039451	1.669248	0.3133	0.757761	0.83047	-6.28869	2.137484	2.125186	2.138168	2.577385	2.229385	2.317553	2.058296	2.184314	2.202855	1.865926	1.989662	1.969371	1.797417	1.871771	2.07955	2.192442	1.795362	1.910335
EHBP1L1	ENSG0000	0.282966	5.635961	2.91586	0.009431	0.027758	-3.71994	4.659767	4.538284	4.799861	5.236746	5.253089	5.135391	4.857993	5.023446	4.983968	6.334446	6.350301	6.432988	6.235665	6.167044	6.143404	6.678179	6.616959	6.609418
THAP2	ENSG0000	0.107741	2.730995	0.781505	0.444963	0.565858	-6.29485	3.17016	2.886707	3.25779	3.020814	2.787348	3.103073	3.507292	3.122225	3.453254	2.574485	2.674414	2.682227	3.02232	2.962168	2.942182	2.625227	2.618024	2.59029
RNF26	ENSG0000	0.482704	5.383553	4.745609	0.000174	0.001173	0.284388	4.387594	4.236845	4.351665	5.209091	5.180767	5.171943	4.864381	4.981823	4.956916	5.81005	5.880509	5.939624	6.070582	5.873258	5.861701	6.254544	6.27216	6.31048
PPP1R14B	ENSG0000	0.340012	7.098745	8.830493	7.42E-08	2.94E-06	8.044493	6.565692	6.575297	6.550756	6.446632	6.561094	6.384578	6.813958	6.809724	6.796075	7.50235	7.471022	7.550837	7.393451	7.421006	7.403177	7.978667	7.900944	7.860127
ZNRD2	ENSG0000	-0.33804	4.963062	-3.28428	0.00425	0.014797	-2.84325	4.811948	4.796272	4.908943	3.988393	4.177232	4.146631	4.090259	4.009594	4.252911	5.651384	5.655617	5.846165	5.768511	5.788145	5.703115	5.66576	5.589281	5.43987
AGR3	ENSG0000	0.417456	-1.31959	1.067188	0.300407	0.419356	-5.58035	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.073118	1.265082	1.027938	3.599754	3.462307	3.637126	1.482378	1.329561	1.461048
SMARCC1	ENSG0000	-0.25549	7.534249	-7.69094	5.19E-07	1.28E-05	6.016068	7.029023	7.080876	6.994691	6.833761	6.854888	6.916826	6.671888	6.779676	6.754262	8.319358	8.253393	8.304022	8.281669	8.210464	8.27716	8.048747	8.07866	8.086986
ZNF417	ENSG0000	0.134311	3.103299	1.647863	0.117239	0.202307	-5.55199	2.548084	2.636038	2.5366	2.393052	2.686486	2.825643	2.376953	2.777669	2.588518	3.93235	4.087306	3.722908	3.904282	3.976023	3.991027	3.994729	4.083055	4.115895
PTPRM	ENSG0000	0.140712	6.068161	0.769592	0.451818	0.572174	-6.81095	7.850043	7.841785	7.889844	8.935682	8.922383	9.012804	8.187392	8.079287	8.163241	4.172174	4.061483	4.021115	3.804587	3.993677	3.904416	3.749992	3.644015	3.969186
FKBP2	ENSG0000	0.351623	5.934897	4.828676	0.000146	0.001018	0.42846	5.70139	5.567343	5.597531	6.220625	6.403191	6.25428	6.054115	6.150246	6.242934	5.73898	5.701482	5.838905	5.990046	5.998038	5.969444	6.031066	5.962863	5.847335
VEGFB	ENSG0000	0.663071	5.098179	4.894632	0.000127	0.00091	0.71555	3.999005	3.983805	3.871922	5.927278	5.782263	5.683212	5.167879	4.938965	5.082376	4.914746	4.925369	5.030978	5.836975	5.699488	5.864762	5.338427	5.336761	5.243178
PEAK1	ENSG0000	-0.20302	4.9532	-2.86963	0.01041	0.030027	-3.64544	4.333741	4.395423	4.470324	5.209091	4.992907	5.187896	4.437325	4.070428	4.16108	5.321493	5.442072	5.039448	5.903542	5.998038	5.949395	5.004933	5.109777	5.052285
TNFRSF10D	ENSG0000	0.043998	5.989525	0.811552	0.427963	0.549692	-7.03943	7.415629	7.475164	7.415088	5.55133	5.4273	5.569081	7.414039	7.34717	7.379431	5.785068	5.734541	5.775677	4.187612	3.90938	4.213876	5.936577	5.835567	6.021259
MST1	ENSG0000	-0.60042	1.728497	-2.2181	0.040059	0.087138	-4.10552	2.833249	2.232543	2.900124	2.359902	1.909591	2.317553	2.186178	2.108984	2.408535	1.814181	1.851833	1.877881	2.479079	2.581279	2.544166	1.45147	1.478665	1.273688
TNFRSF10C	ENSG0000	0.256101	1.826873	2.16804	0.044227	0.094228	-4.32501	2.080492	1.708084	1.706811	1.888135	1.864131	1.956998	1.588238	2.147141	1.777424	2.204194	2.320972	2.409144	2.760241	2.784257	2.782986	2.611312	2.726388	2.48622
GMPPB	ENSG0000	0.479036	5.047621	3.079253	0.006635	0.021067	-3.26866	4.296689	4.249682	4.326715	5.142425	5.114368	5.059385	4.902122	4.944392	4.906906	5.47933	5.342658	5.537862	5.069012	4.968095	4.90611	5.808277	5.788131	5.859884
MOB1B	ENSG0000	0.004171	5.424087	0.044222	0.965228	0.977298	-7.28225	4.965424	5.022548	4.917323	5.622938	5.450555	5.625812	5.300979	5.289629	5.466856	5.737245	5.758847	5.55273	5.747188	5.727893	5.810222	5.420516	5.348921	5.497221
ZNF622	ENSG0000	-0.33181	6.064073	-5.65294	2.58E-05	0.000262	2.152379	6.239421	6.19044	6.110041	5.809447	5.87112	5.862876	5.701383	5.606164	5.776337	6.307799	6.310295	6.359638	6.384647	6.335719	6.342114	6.192812	6.098677	6.058025
SNX33	ENSG0000	0.762216	5.029229	8.105083	2.51E-07	7.19E-06	7.066919	4.399293	4.377991	4.357835	6.041444	6.128283	5.956646	5.502797	5.458458	5.435842	4.408616	4.292151	4.310722	5.50191	5.472807	5.526854	4.777733	4.683969	4.784756
NABP1	ENSG0000	-0.32509	5.41816	-2.25894	0.03693	0.081663	-4.93866	5.613726	5.413282	5.497679	5.009799	4.911451	4.969954	4.825625	4.905964	4.906906	5.6347	5.693098	5.545315	6.215427	6.245274	6.250281	5.479156	5.498321	5.560088
CHD2	ENSG0000	-0.21216	6.474044	-2.65576	0.016369	0.042929	-4.33479	6.198157	6.170327	6.091646	5.778422	5.888253	5.944959	6.070782	6.175851	6.123935	7.073583	7.098166	6.903328	7.072973	7.06729	7.08918	6.711172	6.694287	6.695945
CCDC106	ENSG0000	0.393747	2.194724	3.333941	0.003813	0.013568	-2.03452	2.392887	2.674627	2.166567	2.81607	3.170134	3.069023	2.752438	2.801791	2.748518	1.940223	2.011405	2.104662	2.452975	2.549802	2.481722	2.317694	2.465551	2.06284
CEP83	ENSG0000	-0.33407	3.695564	-4.16376	0.000617	0.00317	-0.58457	4.102823	4.197635	4.065319	4.209199	4.020303	4.293939	3.988671	3.82184	3.879258	3.785574	3.774119	3.769472	3.513977	3.357127	3.608189	3.366734	3.366281	3.444131
NUDT4	ENSG0000	0.045095	5.699671	1.116574	0.279292	0.396527	-6.73379	5.353017	5.424646	5.347631	5.122798	5.119213	5.183924	5.387786	5.517911	5.500968	6.312469	6.197451	6.143905	5.907152	5.992195	5.929063	6.239922	6.168947	6.278122
PC	ENSG0000	1.113181	5.341786	3.726679	0.001611	0.006821	-1.83125	4.863535	4.856254	4.970641	6.823158	6.869341	6.750895	6.477256	6.353622	6.21352	4.707004	4.682721	4.687318	4.437701	4.255082	4.20424	5.191852	5.363378	5.227124
SCAI	ENSG0000	-0.18255	2.857516	-1.79904	0.089303	0.163111	-5.19136	3.337603	3.07157	2.933559	2.181668	2.686486	2.763128	3.115825	3.160038	2.937508	3.340597	3.517242	3.406715	2.872818	3.009215	3.064395	3.190769	3.093137	3.30423
NMNAT1	ENSG0000	-0.37693	3.17578	-4.56422	0.000258	0.001586	0.30033	3.454357	3.310847	3.217639	2.864145	2.605925	3.016392	2.832807	2.777669	3.00245	3.75845	3.774119	3.919248	3.708564	3.583837	3.62273	3.455083	3.595851	3.581792
LRFN4	ENSG0000	0.541485	4.900226	3.039285	0.007233	0.022414	-3.27545	4.152058	4.354415	4.424025	5.272812	5.757614	5.428451	4.384974	4.282412	4.459769	4.368817	4.658809	5.005268	5.361625	5.425898	5.447393	5.664076	5.545575	5.157678
SLC19A1	ENSG0000	0.064581	4.801425	1.021489	0.320955	0.440625	-6.67783	4.532747	4.649014	4.758481	4.342447	4.551652	4.30129	4.637058	4.562048	4.73921	5.085433	5.207908	5.359952	4.973543	4.837324	4.917949	5.410507	5.341637	5.187851
RCE1	ENSG0000	0.051616	5.322137	0.656921	0.519789	0.634283	-7.06899	4.933595	4.856254	5.018167	5.092847	5.334513	5.106307	5.060712	4.9659	5.015776	5.766469	5.70649	5.808257	5.514586	5.430226	5.521044	5.882568	5.750126	5.715459
UQCRH	ENSG0000	-0.03355	7.550283	-1.00089	0.330539	0.450513	-7.0278	7.626907	7.648745	7.638716	7.50842	7.482199	7.427418	7.525041	7.655861	7.605289	7.586209	7.595905	7.52619	7.50683	7.52533	7.557787	7.554021	7.525246	7.552035
EIF1AX	ENSG0000	0.029778	7.523531	0.652647	0.522476	0.636472	-7.3129	7.606866	7.577985	7.575257	7.728106	7.695125	7.652478	7.650457	7.746419	7.670852	7.485391	7.462661	7.508379	7.296319	7.294372	7.281872	7.467841	7.40053	7.46915
BCLAF3	ENSG0000	0.070533	3.578578	0.805918	0.431119	0.552346	-6.52854	3.509372	3.714268	3.597291	3.591402	3.683372	3.711713	3.571163	3.550079	3.572114	3.50465	3.591299	3.625013	4.041988	4.089828	4.056758	3.678389	3.546022	3.95366
PSMD1	ENSG0000	0.093807	7.502865	1.834651	0.083638	0.155495	-5.89961	7.88062	7.842844	7.837816	7.969048	7.915866	7.968683	8.072783	8.061291	8.056424	7.19488	7.141947	7.142741	6.878915	6.953124	6.897697	7.160222	7.11034	7.122066
ADGRG2	ENSG0000	-0.49012	2.695808	-1.14841	0.266275	0.382586	-5.44697	6.922588	7.022236	7.020203	8.120225	8.15288	8.247051	6.408987	6.513697	6.413815	0.190076	0.330605	0.397516	0.562188	0.190544	0.812339	0.686723	0.816175	0.315289
MUC13	ENSG0000	-0.28892	3.709336	-1.98981	0.062492	0.123741	-4.97625	3.056542	2.853456	2.600444	4.290615	4.493129	4.454215	3.405851	3.196885	3.254305	3.857636	4.071868	3.964424	5.069012	5.218837	5.191054	3.307556	3.485627	3.267027
SUSD5	ENSG0000	1.259563	4.288958	14.89827	2.27E-11	6.87E-09	16.24176	3.747663	3.667203	3.638424	5.236746	5.20376	4.93257	5.077304	4.866483	5.005251	3.303547	3.439177	3.579277	4.47385	4.433832	4.492489	4.504182	4.521577	4.562249
HEG1	ENSG0000	0.189589	5.766346	0.912474	0.373934	0.49636	-6.85675	5.533718	5.569905	5.56856	6.994936	6.978695	7.083857	6.14086	5.935393	6.06688	5.46891	5.500898	5.4389	5.43847	5.25832	5.386919	5.382106	5.256415	5.317842
C11orf80	ENSG0000	0.474164	2.872586	5.773176	2.02E-05	0.000218	2.87341	2.137484	2.125186	2.109199	2.688367	2.85862	2.557474	2.446718	2.702788	2.643847	3.385609	3.136872	3.305013	4.106206	4.200384	4.139984	3.623987	3.750515	3.631427
TOMM20	ENSG0000	0.034505	8.47332	0.336771	0.7403	0.817069	-7.53996	9.175494	9.239841	9.186111	8.329476	8.372211	8.331158	9.307879	9.371565	9.304025	8.094826	8.105498	8.089348	7.837097	7.864884	7.876834	7.998849	8.042056	8.07403
AP000769.	ENSG0000	0.448958	2.848133	2.043321	0.056396	0.114069	-4.58355	3.385444	3.647938	3.597291	4.525489	4.70778	4.814227	3.647218	4.128801	3.935772	1.646779	2.115463	2.104662	1.916818	2.169719	2.276326	2.384669	2.254246	2.464474
AGFG1	ENSG0000	0.061184	7.678118	1.180218	0.253728	0.368308	-6.81297	8.366325	8.379937	8.355702	8.464252	8.502629	8.527292	8.583138	8.55156	8.562788	7.021059	7.019206	6.939413	6.809247	6.795988	6.797116	6.920319	6.868259	6.893997
STAT5B	ENSG0000	0.254904	5.348651	2.611954	0.01794	0.04609	-4.2264	6.234531	6.168638	6.262537	5.259393	5.309293	5.246196	6.33962	6.326859	6.466555	4.779626	4.836805	4.703397	4.543538	4.682664	4.448272	5.139487	5.121165	5.133766
CNP	ENSG0000	-0.17786	6.909159	-3.85435	0.001217	0.005483	-1.81932	7.106895	7.091611	7.158299	6.930071	7.014246	6.99144	6.900414	7.029924	6.897731	6.923701	6.800927	6.905067	6.934213	6.960624	6.844411	6.79435	6.630969	6.673611
JUP	ENSG0000	0.162478	9.1106	2.221769	0.039768	0.086621	-5.35214	8.922866	8.900507	9.008262	9.308448	9.380752	9.280042	9.32158	9.147548	9.277211	9.10449	9.043886	9.151665	8.972959	8.90515	8.930158	9.147391	9.147499	9.089243

HAP1	ENSG0000	-0.6251	2.949483	-1.88081	0.076766	0.145532	-4.97013	3.672523	3.695626	3.688245	4.161901	4.061165	4.138446	2.933443	3.160038	2.981126	3.385609	3.463043	3.276636	1.99126	1.622273	2.014873	2.979529	2.921385	2.742606
EIF1	ENSG0000	0.181279	9.340636	5.425507	4.13E-05	0.000383	1.445012	10.06843	10.05008	9.998137	9.962495	9.95201	9.920231	10.20965	10.22285	10.23798	8.648531	8.608699	8.648991	8.354864	8.389494	8.467922	8.793284	8.775312	8.869765
ENDOV	ENSG0000	0.001079	5.185798	0.007938	0.993756	0.995574	-7.24583	5.067938	5.073976	5.152017	4.960893	4.871804	4.839695	4.998191	5.048863	4.813478	5.144243	5.145366	5.208582	6.072726	5.910909	5.975122	5.365622	5.271824	5.171166
RNF213	ENSG0000	0.005222	8.206067	0.069019	0.945758	0.964654	-7.6045	7.347816	7.469002	7.456648	7.385124	7.509214	7.809592	7.658749	7.544122	7.546619	8.96427	9.161443	8.693441	8.938832	8.863751	8.97901	8.859898	8.775312	8.847622
PLK3	ENSG0000	-0.47837	4.945532	-4.91027	0.000122	0.000886	0.740239	5.703751	5.668796	5.774017	4.694564	4.84865	4.899045	4.99237	4.790167	4.813478	5.131086	5.077414	5.127485	4.549709	4.455227	4.468538	4.983487	4.897703	5.03025
NET1	ENSG0000	-0.19193	7.115271	-1.13502	0.271693	0.38837	-6.87833	6.799969	6.912497	6.817981	5.749917	5.773069	5.697212	5.843949	5.948957	5.900795	7.940478	7.938565	7.909009	8.134436	8.194651	8.166449	8.184748	8.185582	8.223525
DPY19L1	ENSG0000	0.116462	7.34153	1.112685	0.280914	0.398209	-6.84582	8.10125	8.13689	8.030233	8.475418	8.414217	8.432555	8.555772	8.5269	8.45187	6.493004	6.648825	6.527836	6.194901	6.229218	6.271199	6.242181	6.339522	6.284342
ZNF791	ENSG0000	-0.20127	4.495231	-2.74756	0.013492	0.036978	-3.81457	4.730936	4.796272	4.777019	4.612502	4.204846	4.202668	4.544628	4.651042	4.482711	4.674725	4.702905	4.595532	4.499582	4.634714	4.543056	4.466031	4.49993	4.467038
PHC3	ENSG0000	0.193104	5.317272	2.351299	0.030669	0.070365	-4.73379	5.167074	5.140963	5.293935	5.468225	5.450555	5.680396	5.601686	5.564476	5.50844	5.272006	5.485444	5.072837	5.250459	5.175668	5.280893	5.215041	5.299655	5.453733
GPR160	ENSG0000	-0.15703	2.07221	-0.79269	0.438587	0.55985	-6.14108	3.026682	2.853456	2.916938	2.633943	1.666451	2.402038	2.412257	2.324112	2.723053	2.01088	2.135404	2.286428	2.314863	2.250257	2.399663	2.247458	2.429363	2.14716
CBX2	ENSG0000	0.162329	5.830586	2.194472	0.041979	0.090414	-5.0806	5.82147	5.936292	6.003871	6.36336	6.508511	6.44058	5.940817	5.795247	5.877902	5.314527	5.397356	5.375087	5.902337	5.769478	5.866291	5.802165	5.68063	5.635005
SPTBN2	ENSG0000	-0.13359	5.918946	-1.52238	0.1458	0.239089	-6.27045	4.645102	4.733688	4.904734	4.43289	4.662026	4.34463	4.583863	4.357565	4.41276	7.142735	7.274298	7.234118	7.746981	7.643269	7.616181	7.200861	7.171183	7.097552
GOLIM4	ENSG0000	0.508228	5.401737	2.890209	0.009963	0.029012	-3.61933	5.227386	4.980813	5.018167	6.677732	6.787998	6.731979	5.904087	5.896721	5.833973	4.845549	4.842882	4.788762	5.136171	5.1936	5.176344	4.950708	5.030462	4.898598
RBM4B	ENSG0000	-0.0482	5.05636	-0.69968	0.493333	0.610579	-6.98585	4.702888	4.724521	4.933939	5.015132	4.860273	4.946703	4.932837	4.709588	4.819498	5.447841	5.538823	5.421185	5.202303	5.167914	5.299114	5.312861	5.442675	5.344873
ATP5MD	ENSG0000	-0.2629	6.414584	-6.59939	3.92E-06	6.21E-05	4.059473	7.109568	7.035269	7.037605	6.6693	6.647485	6.66232	6.758454	6.764414	6.75269	6.214827	6.165079	6.16921	5.876792	6.002404	6.021128	5.944923	5.970753	5.987349
C1QTNF1	ENSG0000	0.720363	-0.07376	2.152353	0.045613	0.096395	-3.90074	2.483604	2.09705	2.681399	3.791129	3.722109	3.560621	2.779728	2.801791	2.82232	0.106501	0.185134	0.16959	0.407676	0.190544	0.335616	0.457048	0.2791	0.315289
MARCHF3	ENSG0000	-0.16473	2.568486	-0.67932	0.505832	0.621565	-6.47319	1.18244	2.09705	1.358564	2.21912	2.117603	2.258349	2.957542	2.676938	2.440135	3.629659	3.584062	3.630629	4.050717	3.921728	4.179864	3.133504	2.947209	2.975687
SWSAP1	ENSG0000	-0.09991	2.174707	-0.9247	0.367715	0.489565	-6.06972	2.320899	2.206444	2.423483	2.325974	2.605925	2.763128	2.186178	2.147141	2.127218	2.589954	2.546219	2.604447	2.781373	2.797719	2.481722	2.432936	2.649824	2.570068
SLCO4C1	ENSG0000	-0.32908	-0.13362	-1.38337	0.183967	0.285866	-5.37237	0.41387	0.410755	0.219246	0.258133	0.25478	0.2349	0.415731	0.387194	0.735084	2.263275	2.23117	2.004401	2.566893	2.700737	2.465679	1.784732	1.613793	1.81044
RBM4	ENSG0000	0.031169	1.907858	0.216961	0.830751	0.8844	-6.49443	1.826927	1.883052	2.194417	2.021307	1.437317	1.714252	1.867984	2.290412	1.674905	2.693825	2.714733	2.396013	2.862939	2.686334	2.821313	2.611312	2.518186	2.79582
XXYLT1	ENSG0000	0.751244	3.995968	5.512525	3.45E-05	0.000332	2.270989	3.86199	3.912946	4.034833	5.241304	5.287935	5.155812	4.599263	4.722281	4.520155	3.123934	3.313538	3.117748	3.691919	3.738425	3.799527	4.021281	3.815048	3.779675
UBXN2A	ENSG0000	0.292563	4.838647	5.905773	1.54E-05	0.000179	2.876699	5.104131	4.965333	4.946277	5.15214	5.049849	5.106307	5.360933	5.416115	5.287386	4.472601	4.570022	4.469576	4.624704	4.671739	4.67449	4.730238	4.729324	4.708177
LRRC63	ENSG0000	1.305391	-1.0199	3.129027	0.005957	0.019384	-2.15127	1.561356	1.780637	2.194417	2.143217	1.718467	1.840725	3.027514	3.102941	2.748518	0.190076	0.106501	0.106501	0.234608	0.190544	0.186984	0.106501	0.19538	0.214669
CCS	ENSG0000	-0.11093	4.645922	-1.66895	0.112941	0.196413	-5.76123	4.762983	4.564207	4.547936	4.733909	4.831037	4.679672	4.512454	4.459641	4.436456	4.703453	4.623947	4.671058	5.176612	5.093459	5.115953	4.640597	4.641102	4.494122
CEP19	ENSG0000	-0.25171	1.957129	-2.41011	0.027215	0.064133	-3.80709	2.548084	2.76681	2.681399	2.97776	2.57804	2.652511	2.446718	2.481727	2.530983	1.98771	2.053933	1.986992	2.162115	2.269709	2.07955	1.809319	1.766644	1.81044
KLHL15	ENSG0000	-0.27481	4.632434	-4.38412	0.000381	0.002169	-0.30999	5.82147	5.783578	5.760107	4.584077	4.801196	4.685302	5.54317	5.528791	5.493457	4.391063	4.525382	4.32118	3.629193	3.599295	3.693316	4.147172	4.140146	4.150354
FBXO45	ENSG0000	-0.35274	5.562935	-7.80644	4.23E-07	1.09E-05	6.388571	5.736401	5.690142	5.65879	4.892995	4.782991	4.942007	5.147073	5.281075	5.296047	6.294879	6.250983	6.267113	5.541158	5.451674	5.505435	5.889791	6.017209	6.077854
GNG5	ENSG0000	0.137316	6.279453	3.378514	0.003459	0.012553	-2.79225	6.279537	6.319327	6.17962	6.292659	6.239272	6.246684	6.44139	6.331009	6.493161	6.246895	6.162652	6.242565	6.242349	6.342624	6.321092	6.372672	6.314938	6.305902
FAM3C2P	ENSG0000	-0.19842	2.78271	-2.09353	0.051172	0.105645	-4.82148	2.416107	2.308123	2.37563	1.978268	1.666451	2.374422	2.446718	2.108984	2.127218	4.125171	4.209911	4.167389	3.266686	3.329589	3.637126	3.967679	4.106163	3.831562
SLC25A30	ENSG0000	0.070473	4.570545	0.73309	0.473222	0.592745	-6.81039	4.988842	4.913842	4.954444	4.845887	4.831037	5.033133	5.257962	5.38452	5.216162	4.501517	4.494836	4.506699	3.928165	3.813238	3.928025	4.293774	4.263465	4.286716
CTSF	ENSG0000	-0.13679	5.233501	-1.68734	0.109303	0.19177	-5.72299	5.699026	5.78137	5.734251	6.640258	6.812138	6.715565	5.661594	5.721295	5.735532	4.212707	4.260723	4.147939	5.35987	5.419382	5.405959	3.945668	3.974229	3.856822
MSRB3	ENSG0000	-0.05841	3.034479	-0.39605	0.69686	0.783067	-6.43006	5.045778	5.063109	5.041355	4.647264	4.688349	4.690911	4.792514	4.849227	4.837409	1.616888	1.588084	1.562415	1.954519	1.591687	1.610309	2.055273	2.030948	2.174206
LEMD3	ENSG0000	-0.0857	5.252377	-1.25118	0.227357	0.337951	-6.48994	4.981078	4.945746	4.994599	5.067404	5.128856	5.010886	5.136557	4.971227	5.174497	5.77326	5.741062	5.698897	5.411614	5.320261	5.341488	5.516966	5.54346	5.491856
C16orf91	ENSG0000	-0.36647	5.194201	-5.4301	4.09E-05	0.000381	1.775772	5.053202	5.158086	5.258094	4.640378	4.701332	4.512384	4.512454	4.62424	4.505294	5.92581	5.776414	5.986368	5.490727	5.495702	5.624013	5.739577	5.695942	5.565205
TLR1	ENSG0000	0.031094	0.734068	0.046795	0.963207	0.976331	-6.05475	1.990546	2.009193	1.888281	1.840866	1.666451	1.367251	1.648695	2.108984	1.727075	0.54782	0.640699	0.594297	2.591031	2.671787	2.80865	1.099384	0.504542	0.580851
TLR6	ENSG0000	0.28273	4.488298	0.796271	0.436557	0.557758	-6.60676	5.517707	5.474709	5.673707	5.444703	5.079986	5.30589	5.943836	6.070587	5.94552	3.0698	2.946841	3.101662	4.630539	4.638459	4.480563	3.063688	2.947209	3.107809
FAM174A	ENSG0000	-0.03609	4.250902	-0.34084	0.737287	0.814739	-6.92876	4.620325	4.733688	4.73022	4.654117	4.447623	4.447604	4.716879	4.796183	4.872576	3.980092	3.924944	3.964424	4.226655	4.225504	4.209066	3.737235	3.929587	3.725851
RGMB	ENSG0000	-0.01576	5.223355	-0.26473	0.794315	0.857013	-7.2218	5.180696	5.281977	5.211151	5.199754	5.099733	5.110498	5.396627	5.45466	5.400136	5.432908	5.34694	5.487683	5.069012	5.185942	5.126195	5.271431	5.211838	5.265357
FAM53A	ENSG0000	-0.40707	0.429349	-1.32048	0.203705	0.309446	-5.22988	2.165157	2.068355	2.351095	1.256461	1.307481	1.475193	1.389995	1.549165	1.38134	0.834246	0.848253	0.76743	0.945898	1.077171	1.08859	1.286141	1.16325	0.580851
CYB561D1	ENSG0000	0.075923	4.267263	1.17822	0.254502	0.369207	-6.42334	3.729242	3.537122	3.648527	3.57705	3.772191	3.897801	3.388228	3.477062	3.340558	4.98955	4.848932	4.961372	5.26366	5.277664	5.326021	5.075046	5.135275	5.123395
ZDHHC24	ENSG0000	-0.15309	4.524184	-1.71499	0.104021	0.18419	-5.60251	4.744758	4.673038	4.734969	5.236746	5.20376	5.167927	4.31208	4.332946	4.527529	3.980092	4.056262	4.260892	5.003078	5.082502	4.992623	4.171084	4.221756	3.930053
TRMT10C	ENSG0000	-0.1058	5.758033	-1.29922	0.210748	0.318008	-6.52309	6.097621	5.973524	5.84602	5.16659	5.14795	5.055043	5.56294	5.673074	5.643517	6.015891	6.099342	6.077603	5.810235	5.799899	5.773225	6.172818	6.047368	6.18811
CTU2	ENSG0000	-0.04848	4.756097	-0.73433	0.472488	0.592138	-6.92496	4.527427	4.484999	4.626705	4.236852	4.485643	4.146631	4.393833	4.299455	4.726452	5.291059	5.214953	5.324005	5.176612	4.897954	5.068941	5.26478	5.302159	5.154286
MGA	ENSG0000	-0.19761	6.312301	-4.34743	0.000413	0.00231	-0.70229	5.823643	5.790183	5.876425	5.749917	5.738846	5.801988	5.539183	5.698992	5.598715	7.074271	7.138864	6.907382	6.854195	6.937247	6.899191	6.915372	6.764961	6.876607
C12orf66	ENSG0000	-0.47218	4.444594	-4.2403	0.000522	0.002787	-0.56002	5.319544	5.312885	5.297149	4.772209	4.648682	5.028711	4.681143	4.759705	4.467457	4.114515	4.097507	4.182763	4.290695	4.205443	4.351192	4.010719	3.903444	3.831562
PIGG	ENSG0000	-0.24743	6.62062	-3.68678	0.001759	0.007305	-2.16264	6.409593	6.427787	6.394453	6.672679	6.685551	6.770892	6.025902	6.058125	6.126365	6.91221	7.01652	6.916032	6.923559	6.902624	6.906637	6.721734	6.801697	6.776472
PRPF8	ENSG0000	-0.03339	8.676157	-0.66281	0.516096	0.630912	-7.37549	9.094152	9.103961	9.199272	9.126391	9.1713	9.275383	9.235502	9.143424	9.177034	8.318197	8.399171	8.191679	8.112455	8.041823	8.116592	8.178569	8.179467	8.176231
ADCY6	ENSG0000	0.510295	5.293393	4.58367	0.000247	0.001536	0.011414	5.285277	5.224615	5.258094	5.762655	5.641162	5.553773	6.127646	6.037958	6.106808	4.77625	4.84591	4.740231	5.210117	5.301484	5.274	5.010245	4.984438	4.849107
PITPNA	ENSG0000	-0.11664	7.214209	-2.24639	0.037866	0.083294	-5.1523	8.019279	7.982523	8.042257	7.69526	7.665618	7.643829	7.789525	7.796796	7.85136	6.632118	6.612829	6.621069	6.657496	6.630006	6.607265	6.572622	6.60078	6.63276
DDX23	ENSG0000	0.009767	7.165349	0.161559	0.873506	0.915129	-7.4987	6.971409	6.943443	6.917419	7.160503	7.198373	7.150499	6.943283	6.900479	6.868995	7.400761	7.339677	7.368752	7.289882	7.221953	7.242987	7.464942	7.381715	7.399233
ZNHIT2	ENSG0000	-0.03037	4.214852	-0.22915	0.821413	0.877613	-7.08521	3.65311	3.99909	3.906009	3.51817	3.531716	3.485165	3.490873	3.214961	3.498982	4.630531	4.77459	5.049965	5.212064	5.38635	5.31263	5.153958	5.069195	4.582581
ZBTB4	ENSG0000	0.232765	6.110715	4.339719	0.00042	0.002342	-0.62955	6.164275	6.221723	6.245997	6.865108	6.827023	6.918022	6.659086	6.510042	6.526664	5.456306	5.423946	5.587799	6.11079	6.081579	6.040211	5.679162	5.574859	5.510546
TNK1	ENSG0000	0.571743	2.889747	7.793628	4.32E-07	1.11E-05	6.651523	1.927307	2.09705	2.018628	2.393052	2.460774	2.288255	2.26554	2.389238	2.202855	3.688323	3.633975	3.561745	4.226655	4.11155	4.315833	4.32821	4.200441	4.037057
ZHX3	ENSG0000	0.166105	4.146245	1.875894	0.077474	0.146658	-5.32424	3.999005	4.021717	4.095173	4.052041	4.249727	4.549901	4.454362	4.444399	4.527529	4.114515	4.265255	4.12026	4.301707	4.317159	4.242405	4.113016	4.106163	4.143528
PHLDA3	ENSG0000	-0.1369	6.637081	-1.82563	0.085042	0.157326	-5.80982	7.714969	7.79	7.763069	7.000324	7.221089	7.039488	7.650457	7.521605	7.534776	5.888767	5.89374	6.007027	5.72145	5.747102	5.725182	5.958727	5.861261	5.745073
SLC16A13	ENSG0000	0.222034	1.931599	1.939572	0.068746	0.13329	-4.64469	2.19231	2.232543	2.37563	2.791417	2.57804	2.374422	2.303642	2.324112	2.588518	1.814181	1.945166	2.07201	2.385571	2.23054	2.433049	2.034568	2.146913	2.277588
GLIS1	ENSG0000	0.078368	-0.7892	0.401487	0.692928	0.780311	-5.84588	3.249862	3.428416	3.511328	3.753334	4.071202	3.868406	3.388228	3.491964	3.421943	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CHRNA9	ENSG0000	1.044822	0.210646	2.279931	0.035411	0.078972	-3.76931	1.642349	1.226787	1.62731	0.635873	1.006428	1.310092	2.01302	2.220554	2.501332	0.609835	0.398185	0.54756	1.218025	1.320413	1.284217	0.974502	0.871168	0.734116
STAG3L3	ENSG0000	0.424746	1.89507	3.111885	0.006182	0.019965	-2.41314	2.109269	2.470453	2.351095	2.999448	2.835252	2.94309	2.607661	2.938616	2.697131	1.423238	1.725977	1.60868	2.314863	2.416542	2.161508	1.85727	1.67689	1.81044
SNHG11	ENSG0000	-0.13617	3.250595	-1.61196	0.124881	0.212424	-5.47034	4.044416	4.029182	4.07284	3.674639	3.630051	3.510758	4.068294	4.019913	4.032233	3.165825	3.086546	3.210672	2.529911	2.642244	2.976553	2.901634	2.921385	2.880366
C11orf45	ENSG0000	0.078731	0.776917	0.340119	0.73782	0.815265	-6.08757	1.681202	1.81559	1.256574	1.888135	1.556428	1.623325	1.160105	1.430416	1.0941	1.028404	1.112482	1.387696	1.573426	1.819936	1.488568	1.65509	1.2488	1.703111
EXO1	ENSG0000	0.080396	5.627383	0.555884	0.585337	0.690946	-7.07275	7.620674	7.709823	7.649446	6.142369	6.241496	6.182445	7.892337	7.965778	7.838078	5.079966	5.043519	5.119519	2.399306	2.642244	2.481722	4.950708	4.773297	4.840691
RALGAPA1	ENSG0000	0.006821	5.73173	0.171229	0.86601	0.909951	-7.34376	5.313374	5.240779	5.27123	5.517909	5.274966	5.438487	5.387786	5.285358	5.261087	6.139301	6.195078	6.175948	6.256567	6.176092	6.283835	6.171633	6.164826	6.139191
LIG4	ENSG0000	0.183378	4.290498	1.903677	0.073551	0.140635	-5.23493	4.837972	4.80064	4.817878	5.025739	4.950037	5.093661	5.29153	5.21525	5.238799	3.77884	3.633975	3.834184	3.845296	3.819851	3.773698	3.516101	3.620134	3.631427
GTF2IRD2E	ENSG0000	0.135865	2.473384	1.358791	0.191491	0.294823	-5.56784	2.917019	3.012542	2.865896	3.456785	3.48743	3.485165	3.137083	3.102941	2.959482	2.056133	2.053933	2.152295	2.67247	2.642244	2.703134	2.26534	1.90484	2.397196
ATP2A2	ENSG0000	0.306155	9.489076	3.279407	0.004295	0.014903	-3.24725	9.333615	9.306436	9.340144	9.839754	9.85022	9.872755	9.788035	9.768975	9.779554	9.364077	9.361328	9.325568	9.119274	9.128328	9.12341	9.525027	9.485015	9.529871
ZWILCH	ENSG0000	0.183296	5.301617	1.487976	0.154577	0.250301	-6.22996	4.937612	5.08834	4.978671	4.778495	4.7142	4.793524	5.396627	5.546744	5.229787	6.049846	6.096801	6.067286	4.763924	4.660731	4.732626	6.102439	6.08856	6.127131
RPL4	ENSG0000	-0.07675	10.83315	-3.08376	0.00657	0.020907	-3.73896	11.26304	11.25438	11.23842	11.06303	11.0796	11.04913	11.15376	11.15723	11.15641	10.64499	10.57159	10.52974	10.39464	10.4353	10.4468	10.48408	10.53551	10.55414
SNAPC5	ENSG0000	0.254924	5.056565	3.922161	0.001048	0.004862	-1.40661	5.156772	5.208268	5.155563	5.569568	5.194607	5.438487	5.277239	5.224202	5.388034	4.766072	4.719513	4.643544	5.029814	4.897954	4.961501	4.983487	5.060349	5.150886
C12orf76	ENSG0000	-0.17259	3.77068	-1.53306	0.143163	0.235703	-5.76695	3.952119	3.750846	3.889066	3.57705	3.630051	3.711713	3.853933	3.672864	3.681923	3.851231	3.992097	3.91004	4.230502	4.420842	4.427716	3.730814	3.822043	3.68882
ZCCHC12	ENSG0000	0.774499	-0.56626	1.839626	0.082872	0.154434	-4.65602	0.216396	0.106501	0.106501	0.258133	1.006428	0.657796	0.106501	0.253663	0.106501	1.865926	1.967585	2.120715	2.009285	2.084417	1.51998	2.639009	2.649824	2.570068
DENND4A	ENSG0000	-0.15839	4.811774	-2.94159	0.008925	0.026543	-3.48285	4.735558	4.649014	4.621585	4.845887	4.871804	4.869675	4.606901	4.696781	4.592248	5.120474	5.174568	5.037335	5.060393	4.965115	5.082154	4.885721	4.864208	4.878182
ANKRD36C	ENSG0000	0.06736	1.073092	0.302991	0.765473	0.835643	-6.26284	1.430644	1.420874	1.202741	1.326771	1.164793	1.055701	1.074544	1.491012	1.445026	1.646779	2.095243	1.820066	2.385571	2.084417	2.795875	1.599785	2.124453	2.14716
SLC26A9	ENSG0000	1.01792	0.508616	2.862141	0.010578	0.030417	-2.73268	2.416107	2.125186	2.423483	2.063099	1.768674	2.029614	3.761137	3.160038	3.721038	0.934589	0.941811	0.726056	0.171976	0.345231	0.335616	0.738851	0.572487	0.805046
MFSD4A	ENSG0000	0.12859	1.302008	0.750853	0.462731	0.582834	-6.28439	1.235614	1.420874	1.30847	0.52061	0.828511	0.984419	1.160105	0.622068	0.735084	2.664903	2.946841	2.83599	2.88263	3.109775	2.906973	3.190769	3.138674	3.006111
PELI3	ENSG0000	0.131633	3.470639	0.890902	0.385082	0.506952	-6.4791	3.183753	3.057038	3.148134	3.70135	3.796595	3.510758	3.19904	2.916694	3.162566	3.882973	3.975599	4.029643	3.663745	3.622174	3.578659	4.254026	4.094656	4.101878
TMEM81	ENSG0000	0.037945	0.778982	0.198773	0.844734	0.895005	-6.0947	1.755904	1.849715	1.818408	1.791994	1.996426	1.993763	1.70672	1.430416	1.445026	1.028404	0.89579	1.126631	1.621093	1.16289	1.247156	1.387593	1.2488	1.222783
MRPL11	ENSG0000	0.183404	5.514117	3.462274	0.00288	0.010887	-2.53291	5.272612	5.300601	5.290713	5.082724	5.064996	4.951383	5.405414	5.368459	5.455304	5.700308	5.723056	5.880747	5.777742	5.842738	5.771595	6.058246	5.992618	5.911023
IL20RB	ENSG0000	0.361592	3.489991	5.137637	7.55E-05	0.000609	1.231138	1.959273	2.232543	1.987129	1.578054	1.768674	1.669505	1.762502	1.710758	1.620777	5.595004	5.636504	5.516787	5.498724	5.503938	5.546053	5.996688	5.951743	6.095646
GOLT1A	ENSG0000	0.270977	0.934188	1.476263	0.157663	0.254401	-5.67743	0.587539	0.8079	1.028027	0.106501	0.730585	0.3528	0.269385	0.387194	0.39151	3.322191	3.591299	3.549937	3.409264	3.445301	3.272365	3.871719	3.903444	3.856822
AKIRIN1	ENSG0000	0.001143	6.907039	0.01564	0.987699	0.992087	-7.48782	7.333406	7.265217	7.262288	6.578559	6.615263	6.673694	7.318414	7.29926	7.260567	6.825024	6.761374	6.902168	6.662488	6.67902	6.624528	6.850958	6.836657	6.804871
MSL2	ENSG0000	-0.29847	4.608733	-2.7866	0.012422	0.034623	-3.77127	5.243701	5.253581	5.387386	4.236852	4.061165	4.096805	4.889651	4.905964	4.951444	4.71408	4.732663	4.773612	4.397206	4.412116	4.394205	4.466031	4.588743	4.567359
ZNF497	ENSG0000	-0.67862	1.275873	-5.00493	0.0001	0.000757	1.489876	1.990546	2.039077	2.049454	1.578054	1.909591	1.575618	1.389995	1.430416	1.244857	1.98771	1.875739	2.198406	2.009285	1.921808	2.141451	1.65509	1.766644	1.626848
TRAM1L1	ENSG0000	0.274298	2.796718	3.39752	0.003318	0.012142	-2.14547	2.165157	2.009193	1.78216	2.887595	2.549605	2.532704	1.966276	2.357042	2.239236	3.312899	3.406729	3.419749	4.334248	4.358622	4.394205	3.66498	3.620134	3.601852
ANGEL2	ENSG0000	-0.48041	5.244038	-4.35163	0.000409	0.002292	-0.45812	6.625435	6.594292	6.554791	5.674404	5.651233	5.660525	5.95585	6.053109	5.81602	4.699893	4.570022	4.643544	4.527992	4.412116	4.516048	4.365992	4.460128	4.428245
UGT8	ENSG0000	0.083358	4.009709	1.350682	0.194027	0.297857	-6.16799	3.288121	3.461896	3.133821	3.487804	3.378481	3.632327	3.555458	3.302095	3.406029	4.667452	4.796672	4.890578	4.758606	4.824228	4.857757	4.865346	4.850589	4.836464
IQCK	ENSG0000	-0.42354	3.204283	-3.15957	0.005575	0.018373	-2.62397	3.454357	3.57841	3.39613	3.840029	3.656958	3.655458	2.779728	2.451551	2.530983	3.255856	3.365114	3.290894	3.918659	3.839509	3.760608	3.063688	3.256961	3.477085
SLCO2A1	ENSG0000	-0.01939	-1.17929	-0.09764	0.923328	0.949391	-6.07819	0.106501	0.106501	0.106501	0.258133	0.25478	0.3528	0.106501	0.106501	0.106501	1.586365	1.467416	1.360915	2.649667	3.131201	2.497588	1.387593	1.442809	1.170016
ZNF266	ENSG0000	0.48803	3.779903	6.954968	1.99E-06	3.74E-05	5.040187	2.9807	2.802095	2.739267	3.290819	3.34578	3.168853	3.474265	3.40015	3.513908	4.182415	4.394983	4.224215	4.858933	4.89169	4.938437	4.710794	4.668528	4.61255
SLC29A2	ENSG0000	0.125454	4.1302	2.156615	0.045233	0.095714	-4.93508	3.385444	3.537122	3.28395	3.51817	3.602632	3.848471	3.457463	3.285084	3.498982	4.826087	4.839847	4.823505	5.150455	5.065909	4.964358	4.969919	5.018332	4.96205
BRSK2	ENSG0000	-0.16813	1.539768	-0.9266	0.366756	0.488607	-5.77018	3.551922	3.248262	3.443319	3.290819	3.546181	3.231764	3.238915	3.023117	3.498982	1.028404	1.265082	0.884879	0.828978	1.032323	0.957066	1.017342	1.16325	0.734116
B4GAT1	ENSG0000	0.883337	4.252347	6.3235	6.71E-06	9.42E-05	3.862832	3.756787	3.741788	4.065319	5.44865	5.48099	5.253794	4.920629	4.944392	4.849226	3.584041	3.539861	3.555853	4.203356	4.174819	4.139984	4.311095	4.005291	4.073428
TMEM167/	ENSG0000	0.200759	7.648172	4.007168	0.00087	0.004177	-1.56015	7.373992	7.367396	7.290787	7.369595	7.364702	7.380469	7.708413	7.746419	7.698063	7.915756	7.893171	7.914775	7.629167	7.63251	7.637371	7.93883	7.936832	8.004153
SH3PXD2B	ENSG0000	0.26949	6.166824	1.854998	0.080545	0.151405	-5.74232	5.672757	5.827051	5.882858	6.512219	6.665816	6.551088	6.316513	6.254423	6.278331	6.199783	6.256684	6.307996	6.006965	5.887493	5.789427	6.350855	6.369673	6.251386
RESF1	ENSG0000	-0.48296	5.709193	-10.5673	5.15E-09	3.88E-07	10.86123	4.957532	4.999934	4.840087	4.181007	4.081169	4.178918	4.13321	4.324646	4.3476	7.422523	7.404278	7.333458	6.765506	6.78251	6.832732	6.970916	6.978806	6.976016
LARP7	ENSG0000	-0.02031	5.701267	-0.32064	0.752285	0.826631	-7.27095	5.655787	5.620197	5.615668	5.730596	5.671168	5.762585	5.643139	5.767957	5.748211	5.64954	5.688044	5.75397	5.891445	6.063583	6.073672	5.555628	5.639643	5.605504
FGFBP3	ENSG0000	-0.35199	1.049977	-1.64185	0.118491	0.203923	-4.955	1.475543	1.508929	0.964748	2.021307	1.953662	1.475193	1.389995	1.605065	1.244857	1.787595	2.095243	1.933468	1.954519	1.993753	1.900186	1.214313	1.645686	1.58715
NR1D2	ENSG0000	-0.01001	5.284106	-0.07571	0.940513	0.961825	-7.21113	5.885257	5.963819	5.972044	5.612421	5.438974	5.525804	6.111626	6.082943	6.119063	4.796392	4.745694	4.811193	4.980412	4.982902	5.066284	4.519164	4.706825	4.531205
BRMS1	ENSG0000	0.082848	6.236834	1.392827	0.181137	0.282919	-6.45246	6.165988	6.132709	6.086081	5.90734	6.101599	5.850401	6.076295	6.065615	6.086983	6.421317	6.213955	6.465564	6.477404	6.44027	6.485255	6.596658	6.590575	6.456705
RPL15	ENSG0000	-0.09892	9.354974	-3.69069	0.001744	0.00726	-2.34295	9.827502	9.803484	9.778977	9.698564	9.67784	9.653514	9.74563	9.6902	9.715627	9.089774	9.022965	9.013678	8.9649	8.970313	8.985529	8.911201	8.919257	8.963103
FAM241A	ENSG0000	0.203231	4.188994	0.763265	0.455485	0.57605	-6.65138	4.232739	4.087546	4.07284	5.510375	5.458224	5.394483	4.293266	4.444399	4.305329	4.026306	3.953305	4.008229	3.617489	3.512154	3.644271	3.989359	4.298997	4.094818
HRAS	ENSG0000	0.034457	4.316456	0.259711	0.798121	0.860048	-6.90536	5.337898	5.201677	5.244837	5.325276	5.484749	5.265117	4.8959	5.043815	4.929347	3.275122	3.26005	3.353367	3.870167	3.552417	3.6725	3.883346	3.829005	3.823043
SRP72	ENSG0000	0.139916	7.553162	4.075136	0.000749	0.003706	-1.40081	7.56917	7.558773	7.572606	7.25594	7.225589	7.393425	7.66608	7.676391	7.656631	7.615319	7.594555	7.594599	7.441537	7.454326	7.494956	7.754873	7.748653	7.826959
RIN1	ENSG0000	0.239716	5.137248	2.236104	0.03865	0.084627	-4.94333	5.45743	5.569905	5.602736	4.833866	5.024245	4.788301	5.502797	5.335791	5.308941	4.871097	4.967692	5.187779	4.720818	4.722029	4.6463	5.684156	5.593376	5.428683
THAP6	ENSG0000	-0.08746	4.380567	-0.91472	0.372786	0.495159	-6.62636	4.901049	4.696667	4.631806	4.299384	4.360275	4.473866	4.591583	4.68386	4.570996	4.290508	4.314187	4.201752	4.561973	4.492955	4.381435	4.213151	4.2788	4.177341
CEP135	ENSG0000	0.00694	2.747989	0.061834	0.951397	0.968602	-6.66713	3.128595	3.196163	3.044832	2.791417	2.811499	3.086148	3.115825	3.415864	2.959482	3.145032	3.1855	3.00983	2.399306	2.398985	2.365487	3.011667	3.236163	2.975687
FZD4	ENSG0000	0.471129	3.505093	2.038451	0.056928	0.114896	-5.00501	2.27083	2.356396	2.194417	3.041869	2.633282	2.904994	4.068294	4.090149	4.216877	4.412971	4.394983	4.124247	4.211164	4.143531	4.14503	4.137495	4.128907	4.329449
BTC	ENSG0000	-0.01148	1.928	-0.04103	0.96774	0.978864	-6.54887	1.719036	1.420874	1.146821	2.48816	2.57804	2.258349	1.240874	1.082132	0.735084	3.013555	3.232543	3.093551	2.812503	2.824271	3.075009	3.236813	3.413359	3.215882
DENND6A	ENSG0000	-0.2464	5.142906	-5.49378	3.58E-05	0.000342	1.955069	5.560015	5.427474	5.449376	5.132645	5.075006	5.143594	5.120637	5.289629	5.165072	5.230663	5.283572	5.221665	5.003078	5.068687	5.020346	5.039116	4.996855	5.098903
PDE12	ENSG0000	0.072176	6.108211	1.387738	0.182656	0.284418	-6.44231	5.962204	5.994648	6.03501	5.790912	5.979012	5.842864	6.273964	6.212301	6.215804	6.28065	6.261228	6.38893	6.14584	6.0857	6.106375	6.313743	6.241181	6.20624
GLMN	ENSG0000	-0.09827	4.32592	-1.8006	0.089047	0.162769	-5.56867	4.066597	4.12982	4.050156	3.740513	3.709312	3.711713	3.891945	3.913244	3.935772	4.842324	5.000678	5.0331	4.823716	4.901075	4.79815	4.874113	4.99066	4.840691
YIF1A	ENSG0000	-0.16288	6.463014	-2.37305	0.029347	0.068032	-4.86328	6.409593	6.454368	6.47472	6.6194	6.727407	6.569471	6.259498	6.092752	6.236199	6.641427	6.551075	6.616123	6.469288	6.497074	6.505994	6.57352	6.557426	6.383273
NDUFA11	ENSG0000	-0.11065	2.039735	-1.03203	0.31613	0.435853	-5.90005	2.609804	2.425906	2.700947	2.518519	2.520598	2.374422	2.480375	2.728183	2.408535	2.14259	2.320972	2.228347	2.24051	2.190279	2.433049	2.095813	2.190809	2.003758
RSRC1	ENSG0000	0.287634	4.497353	1.92392	0.070806	0.136393	-5.25655	4.574623	4.574447	4.636889	5.697807	5.450555	5.562977	4.832157	5.093515	5.174497	4.076585	4.10258	3.982106	3.913883	4.179969	4.029733	4.137495	4.05364	4.136669
SLC66A1L	ENSG0000	-0.09726	-1.28082	-0.36897	0.71658	0.799299	-6.04961	0.318509	0.215206	0.219246	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.158593	1.435603	1.514616	1.897591	1.622273	1.667532	1.354562	1.707432	1.626848
RAB1B	ENSG0000	0.182629	7.497689	3.428306	0.003102	0.01153	-2.81604	6.812054	6.801367	6.857712	6.931482	7.070367	6.931113	7.199673	7.232061	7.171593	7.976233	7.904109	7.993438	8.110369	8.095267	8.047204	7.998181	8.001037	7.9828
PTDSS2	ENSG0000	0.070083	4.820161	0.858074	0.402466	0.52417	-6.71781	5.648453	5.499103	5.638658	5.502803	5.539998	5.363212	5.740105	5.7054	5.866318	4.35077	4.051023	4.37236	4.199436	3.871689	3.957004	4.289412	4.047684	4.190648
MICOS13	ENSG0000	-0.06831	5.142027	-0.82541	0.420264	0.541752	-6.89389	5.060589	4.965333	4.835673	4.746789	5.171467	4.894191	4.877071	5.013152	4.951444	5.362601	5.283572	5.478369	5.631211	5.576021	5.66674	5.448178	5.31213	5.044977
C3orf33	ENSG0000	0.329032	3.129659	3.109582	0.006213	0.02003	-2.72271	3.142584	3.114308	3.044832	3.533117	3.616407	3.700636	3.490873	3.761625	3.289427	2.943032	2.946841	3.312021	3.205461	3.193633	3.147195	3.190769	3.317614	3.328509
SEZ6L2	ENSG0000	-0.19184	6.886131	-1.28269	0.21635	0.32505	-6.5966	7.838273	7.846018	7.924035	7.603536	7.795405	7.635856	7.49654	7.40244	7.557465	5.733768	5.82019	5.864156	6.771459	6.72906	6.654027	5.86068	5.893164	5.793844
ASPHD1	ENSG0000	-0.18191	3.850495	-1.43083	0.170117	0.269609	-5.75174	5.440544	5.471972	5.587063	4.87551	5.171467	4.918297	5.452809	5.276779	5.420081	2.708071	2.792142	2.893183	2.862939	2.743101	2.795875	2.400938	2.585506	2.549558
KCTD13	ENSG0000	-0.68577	4.892455	-3.89891	0.001103	0.005053	-1.45629	6.052028	6.037841	6.172636	4.375995	4.213935	4.447604	5.021241	4.670823	4.956916	4.983707	4.91387	5.109498	4.47385	4.54975	4.588211	4.762075	4.710599	4.973643
CD164L2	ENSG0000	0.068206	-1.79537	0.356302	0.725879	0.805697	-6.00695	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.423238	1.152172	1.49011	1.858352	1.357245	1.390007	1.214313	1.16325	1.58715
FUT1	ENSG0000	0.199747	0.530321	1.077632	0.295847	0.414658	-6.08047	0.216396	0.582935	0.829201	0.258133	0.389229	0.106501	0.269385	0.726566	0.39151	3.013555	3.241771	3.225594	3.318207	2.950162	3.126936	3.358427	3.356678	3.387478
DHX36	ENSG0000	-0.13569	6.572202	-3.54538	0.0024	0.009377	-2.46979	6.418244	6.293215	6.295057	6.33592	6.463496	6.518342	6.122326	6.166593	6.167064	6.914515	6.838665	6.844129	6.945373	6.950867	7.012575	6.716869	6.800812	6.781977
AC026271.	ENSG0000	-0.03629	2.647923	-0.29609	0.77065	0.83898	-6.53586	3.262728	2.784561	3.148134	3.020814	3.188693	2.885561	3.19904	3.285084	3.044176	2.510897	2.900983	2.627101	2.706013	2.913535	2.661487	2.539649	2.48331	2.549558
FBXW8	ENSG0000	-0.128	4.429059	-1.93944	0.068764	0.133306	-5.27525	4.044416	4.312206	3.995797	4.803367	4.594038	4.903882	3.904396	3.879643	4.032233	4.561593	4.595438	4.533928	5.158554	5.046305	5.220033	4.496632	4.455636	4.45054
KLC2	ENSG0000	-0.22538	6.075155	-2.72105	0.014269	0.038543	-4.15704	6.025852	6.013586	6.126398	5.901593	5.943937	5.727543	5.847177	5.602735	5.776337	6.547499	6.480725	6.695303	5.964866	5.984858	5.87846	6.404287	6.424707	6.410539
CTBP2	ENSG0000	0.716006	6.599229	7.69648	5.13E-07	1.28E-05	6.162213	7.105111	7.107564	7.152098	7.722411	7.703215	7.694262	7.513911	7.473613	7.601801	5.133727	5.152722	5.109498	6.04678	5.95963	5.989218	6.150139	6.241181	6.27031

CHST2	ENSG0000	0.513355	1.792566	1.389217	0.182214	0.283923	-5.45862	1.235614	1.508929	0.898566	2.887595	3.112982	2.763128	1.867984	2.029503	2.165532	2.30136	2.355385	2.816411	1.973006	1.970168	2.294605	2.568742	2.465551	2.59029
ZDHHC14	ENSG0000	0.420309	2.451932	1.593622	0.128944	0.2176	-5.37842	2.021155	2.232543	2.221741	3.103249	2.85862	3.168853	2.102195	2.596487	2.616448	2.843296	3.086546	3.052298	2.270712	2.467968	2.121111	3.358427	3.394711	3.375875
ATR	ENSG0000	-0.15092	5.358429	-1.76704	0.094677	0.171236	-5.75433	4.996565	5.151261	5.041355	5.704425	5.557954	5.724812	4.812472	4.771967	4.825493	5.497899	5.671068	5.586355	5.7445	5.727893	5.808633	5.528118	5.440404	5.526375
SNHG29	ENSG0000	-0.02793	8.757753	-0.83538	0.41478	0.536723	-7.23984	9.595008	9.546092	9.531076	9.478794	9.491405	9.422321	9.554201	9.595708	9.574814	8.114346	8.05044	7.997791	7.894596	7.99219	7.944596	7.907146	8.006037	8.014479
UBE2C	ENSG0000	-0.14516	5.718404	-0.69773	0.494524	0.611734	-7.1536	6.214805	6.297857	6.215741	5.046722	5.049849	4.969954	6.01446	5.978357	5.895106	6.761553	6.782077	6.862742	3.746669	3.799921	3.72061	6.785858	6.730057	6.759829
GK5	ENSG0000	-0.27609	4.274324	-3.63456	0.001973	0.008014	-1.86762	5.269428	5.214829	5.3383	4.43289	4.507984	4.480358	4.651903	4.997573	4.88411	4.043261	4.223947	4.021115	3.422776	3.445301	3.445943	3.97856	4.083055	3.976887
VCPIP1	ENSG0000	-0.15407	5.266998	-2.15316	0.045541	0.096267	-5.10646	5.20423	5.144404	5.258094	4.910272	5.049849	5.033133	5.157514	5.063901	5.082376	5.483477	5.618907	5.416316	5.713225	5.690495	5.678967	5.286834	5.35134	5.359675
PDIK1L	ENSG0000	-0.16222	4.01837	-0.97598	0.342392	0.463311	-6.53963	3.672523	3.557914	3.707702	4.367681	3.901574	3.838399	3.941119	4.119235	4.093134	4.842324	4.732663	4.732417	3.899458	3.952144	3.78667	4.289412	4.195062	4.359215
TRAF6	ENSG0000	-0.01705	3.39411	-0.15752	0.876641	0.917549	-6.74457	3.991296	3.888531	3.979882	3.727576	3.832443	3.722706	4.011872	3.956862	3.935772	3.226465	2.980302	3.052298	3.360948	3.544454	3.299771	3.053433	3.093137	2.975687
ZNF654	ENSG0000	0.394082	3.681393	4.5957	0.000241	0.001503	0.275051	3.27548	3.182839	3.204003	3.425084	3.278066	3.59692	3.904396	3.935218	3.543305	3.93235	4.008408	3.848714	4.106206	4.274468	4.261115	4.098126	4.313961	4.163911
TVP23C	ENSG0000	0.108899	0.765926	0.629823	0.536958	0.649079	-5.94915	1.642349	1.708084	1.954926	1.393812	1.612488	1.310092	1.917967	1.901414	2.005764	1.073118	1.467416	1.188864	1.27873	1.16289	1.209118	1.058946	1.289746	1.322858
MRPS22	ENSG0000	-0.28738	5.371784	-3.00021	0.007868	0.023986	-3.47732	5.825812	5.79457	5.787794	4.892995	4.745876	5.050687	5.461262	5.356295	5.37174	5.530331	5.58849	5.605019	5.274879	5.352544	5.493616	5.31071	5.408227	5.494541
PACS1	ENSG0000	-0.07757	6.567807	-1.2612	0.22381	0.333696	-6.64693	5.973987	6.041536	6.140783	6.318771	6.403191	6.458774	5.821145	5.771015	5.986227	6.793638	6.819534	6.828331	7.578002	7.542424	7.594214	6.833833	6.816659	6.800538
MARCKSL1	ENSG0000	0.102152	7.366115	1.167145	0.258829	0.374037	-6.85546	5.552176	5.575013	5.522611	6.592896	6.50296	6.524637	5.736627	5.774066	5.825024	8.710213	8.719353	8.689914	8.988092	8.957626	8.961063	8.710246	8.763551	8.739735
SH3BP5L	ENSG0000	0.210154	5.586076	2.146424	0.046147	0.097384	-5.13182	5.437711	5.37864	5.483639	6.004384	6.041607	6.062107	6.081788	5.932665	6.031013	5.33073	5.427994	5.325738	5.736406	5.633455	5.547959	5.308556	5.232987	5.119922
TMEM51-A	ENSG0000	0.359793	0.487119	2.119236	0.048671	0.101541	-4.34698	0.41387	0.582935	0.598525	0.841981	0.512209	0.461789	0.548589	0.824004	0.256032	2.282443	2.338281	2.34226	2.614772	2.517623	2.497588	2.75746	2.881762	2.350536
YPEL2	ENSG0000	-0.71637	0.467658	-3.03584	0.007287	0.022543	-2.43764	0.742531	0.661886	1.028027	1.457877	1.307481	1.123626	0.269385	0.622068	0.629397	1.52331	1.752042	1.538714	2.986372	3.077028	3.21594	1.542275	1.072305	0.999041
CADM2	ENSG0000	0.842775	1.713632	1.963511	0.065699	0.128678	-4.32244	4.145127	4.281283	4.215584	6.615894	6.4692	6.646533	5.021241	5.112925	5.082376	0.415169	0.462741	0.54756	0.352262	0.416769	0.263213	0.393424	0.433238	0.497646
ABO	ENSG0000	0.098774	-0.27717	0.539383	0.596427	0.69972	-6.39446	0.216396	0.106501	0.106501	0.106501	0.106501	0.3528	0.269385	0.106501	0.106501	2.790717	2.85362	2.855308	4.093589	4.039723	4.12984	2.731965	2.985098	2.944608
PSMD2	ENSG0000	-0.02223	8.088386	-0.48035	0.636937	0.735341	-7.45551	8.200707	8.199427	8.207262	8.250285	8.301498	8.27439	8.285256	8.213462	8.225771	8.090414	8.03028	8.049546	7.844019	7.773737	7.818421	7.982726	7.972242	7.970798
PPM1E	ENSG0000	0.670371	-0.38499	1.923578	0.070851	0.136462	-4.23513	1.602421	1.277811	1.256574	2.325974	2.193078	2.429135	1.648695	2.108984	1.962896	0.34397	0.398185	0.397516	0.294634	0.190544	0.335616	0.393424	0.504542	0.409347
FAM131A	ENSG0000	0.163514	3.556104	1.603112	0.126827	0.214971	-5.69681	2.609804	2.730641	2.423483	3.591402	3.362223	3.472196	2.576877	3.023117	2.748518	4.299944	4.318554	4.32811	4.707079	4.537767	4.546874	4.530299	4.437531	4.341429
CSRP2	ENSG0000	0.136052	2.64669	1.577391	0.132632	0.222193	-5.55664	2.589523	2.49222	2.661582	2.063099	2.333126	1.623325	2.667326	2.848856	2.560038	3.560679	3.524821	3.38694	3.013417	2.913535	2.895043	3.545669	3.644015	3.641153
PARL	ENSG0000	-0.25695	5.347076	-2.4499	0.025088	0.06014	-4.57448	5.665509	5.783578	5.605332	4.96641	4.939117	4.923071	5.109925	5.136826	5.092354	5.44146	5.540693	5.571831	5.582379	5.487419	5.578118	5.605616	5.474101	5.406045
DDIT3	ENSG0000	0.150197	3.812054	1.924735	0.070697	0.136239	-5.02142	4.735558	4.644161	4.725456	5.268353	5.138434	5.195807	4.857993	4.976535	4.789145	2.943032	2.865607	2.660429	3.288992	3.131201	3.075009	2.75746	2.947209	2.960231
PCCA	ENSG0000	0.051992	3.409592	0.310785	0.75964	0.831761	-6.704	3.887134	3.991467	3.897563	3.977507	3.6964	3.548316	3.928981	4.070428	4.261781	3.123934	2.865607	3.052298	3.520276	3.738425	3.478287	2.878584	3.104657	2.896697
DCTN2	ENSG0000	-0.08273	6.666244	-1.34833	0.194767	0.298866	-6.52506	7.026197	7.003411	6.988738	7.046631	7.043854	7.078519	6.734246	6.844973	6.923112	6.223531	6.254406	6.248057	6.743465	6.699783	6.656679	6.275652	6.200157	6.271876
ZNF408	ENSG0000	-0.32133	4.113966	-4.17843	0.000597	0.003097	-0.70814	4.584905	4.517206	4.43574	3.714523	3.796595	3.807755	4.011872	3.988732	4.141991	4.438829	4.45572	4.530928	4.245787	3.958151	4.150058	4.357681	4.323851	4.122853
CTDSP2	ENSG0000	-0.01235	6.701395	-0.30616	0.763099	0.834074	-7.4403	6.177924	6.187107	6.162096	5.836811	5.785315	5.951983	6.124988	6.230187	6.222635	7.457202	7.423158	7.384627	7.253008	7.223201	7.310223	7.374641	7.370427	7.432517
CKAP5	ENSG0000	-0.14259	6.741396	-2.18076	0.043132	0.092367	-5.24193	7.311903	7.358535	7.378378	7.016369	6.953141	7.074234	7.217247	7.236492	7.206466	6.67717	6.647957	6.534592	5.859507	5.900029	5.849389	6.448982	6.41433	6.527891
ARHGAP1	ENSG0000	0.550009	5.9028	6.080521	1.09E-05	0.000136	3.043481	4.500523	4.55906	4.671981	5.640298	5.821441	5.481188	5.616898	5.488491	5.570437	6.372958	6.335294	6.287699	6.851075	6.815972	6.824107	6.655474	6.627978	6.64731
MED16	ENSG0000	0.142271	4.874314	1.407671	0.176765	0.277643	-6.15074	5.125418	5.178369	5.325763	5.303647	5.454395	5.110498	5.223595	5.023446	5.121883	4.232554	4.228596	4.497508	4.980412	4.913495	4.917949	4.661004	4.787661	4.582581
ATG13	ENSG0000	-0.02383	5.851362	-0.44682	0.660492	0.755492	-7.2212	5.912046	5.954048	5.790077	6.227533	6.327751	6.347775	5.760796	5.730749	5.636714	5.629096	5.525662	5.509184	6.149908	6.187642	6.130742	5.638576	5.686391	5.649533
GOLGA8A	ENSG0000	-0.55925	1.511501	-2.58756	0.018876	0.048061	-3.36763	2.744313	2.55562	3.133821	2.457149	2.520598	2.904994	2.607661	1.945386	2.643847	1.704765	1.616737	1.248523	1.621093	1.560439	1.580823	0.930351	1.16325	1.370407
TP53I11	ENSG0000	0.055262	3.568634	0.170092	0.866891	0.910287	-6.81899	3.999005	3.904854	3.889066	3.376187	3.546181	3.498018	2.806512	3.102941	2.959482	3.102524	3.034402	3.164958	5.123815	5.046305	4.96721	3.630901	3.829005	3.650813
CENPS	ENSG0000	0.21686	0.609043	0.931535	0.364266	0.486081	-5.70554	1.475543	1.226787	1.30847	1.74141	1.437317	1.367251	1.160105	1.945386	1.445026	1.646779	1.029669	1.305813	1.365252	1.203912	0.862212	1.512637	1.368306	1.273688
DOLK	ENSG0000	0.140376	5.749737	1.394563	0.180621	0.282299	-6.3557	5.487883	5.554468	5.607923	6.156917	6.254768	6.168443	5.83422	5.567996	5.741885	5.754507	5.592102	5.770599	5.685468	5.686883	5.689366	5.872395	5.775573	5.793844
CATSPER1	ENSG0000	0.444946	0.518402	2.802974	0.011998	0.033658	-3.41644	0.106501	0.106501	0.421314	0.106501	0.389229	0.2349	0.548589	0.253663	0.256032	3.805587	3.640966	3.804677	4.106206	4.122289	4.067427	4.142342	4.100421	4.029672
CCNE2	ENSG0000	-0.62272	4.664978	-3.79014	0.001401	0.006124	-1.76518	5.233934	5.253581	5.27123	3.408969	3.643567	3.632327	4.339849	4.657666	4.534865	6.332149	6.213955	6.384782	2.738794	3.263212	3.206318	5.697389	5.777374	5.817625
PHYKPL	ENSG0000	0.082489	4.563976	0.827754	0.418969	0.540801	-6.74855	4.669462	4.463121	4.641955	4.667726	4.493129	4.622128	5.015513	4.855002	4.989319	4.529864	4.57733	4.437893	4.750591	4.660731	4.752597	4.365992	4.353122	4.428245
CST6	ENSG0000	0.807624	0.755023	7.98704	3.08E-07	8.38E-06	6.864421	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.779626	4.739193	4.855034	6.474163	6.481518	6.477276	5.761793	5.631703	5.40033
GRAMD2A	ENSG0000	-0.55683	1.620027	-1.83213	0.084029	0.156039	-5.04864	1.894617	1.978677	1.954926	0.395333	0.92021	0.657796	0.782422	0.509405	0.735084	3.165825	3.1855	3.353367	4.114557	4.250194	4.306856	3.001034	2.95995	2.960231
ZNF519	ENSG0000	0.696584	1.262498	3.369642	0.003527	0.012749	-1.9111	1.069823	1.327092	1.54317	1.791994	1.498102	1.526279	2.058296	1.809233	1.826075	2.163418	2.095243	2.07201	1.446877	1.393161	1.284217	2.611312	2.295039	2.760563
LSM1	ENSG0000	0.899619	5.222762	15.47478	1.22E-11	4.24E-09	16.97996	4.2778	4.249682	4.167214	5.097883	5.075006	5.063714	5.223595	5.344028	5.412136	5.109782	5.155166	5.204822	5.842013	5.968584	5.866291	5.942147	5.898138	5.882609
BANF1	ENSG0000	-0.18948	7.331201	-5.31849	5.16E-05	0.000452	1.313325	7.230743	7.159503	7.093216	6.745073	6.738471	6.795829	7.060574	7.023528	7.025612	7.899165	7.854973	7.90351	7.581018	7.553873	7.517989	7.627585	7.647436	7.675479
TMEM9B	ENSG0000	0.417829	5.317205	7.560594	6.55E-07	1.55E-05	6.025161	4.896929	4.897622	5.052811	5.749917	5.885412	5.799394	5.590171	5.488491	5.459165	4.980776	5.008809	4.943432	5.622454	5.668682	5.591116	5.299906	5.227729	5.230349
NRIP3	ENSG0000	-0.13897	2.65613	-1.2623	0.223424	0.333322	-5.70557	4.369865	4.468622	4.288462	3.647423	3.546181	3.548316	4.245129	4.265167	4.252911	2.100009	1.777644	2.198406	1.667235	1.428204	1.722572	2.013561	1.90484	1.775544
PTPN2	ENSG0000	-0.14511	5.516417	-2.19236	0.042155	0.090697	-5.1183	5.266237	5.297514	5.3383	4.456603	4.537243	4.874612	4.944941	5.27247	5.052019	6.233415	6.205726	6.257162	5.968325	5.850833	5.976538	6.102439	6.146831	6.146038
EIF1AD	ENSG0000	-0.06448	6.075024	-1.22949	0.235185	0.3468	-6.65774	5.474121	5.541478	5.455144	5.540275	5.462043	5.345543	5.35187	5.499594	5.504708	6.968031	6.825684	6.841104	6.575939	6.502222	6.520626	6.836826	6.760416	6.778676
SMAD2	ENSG0000	0.199393	6.548912	2.248986	0.037671	0.082979	-5.01698	7.706165	7.740271	7.661968	7.723226	7.635496	7.64021	8.000682	8.05315	8.035242	5.1881	5.27461	5.294235	5.448413	5.489494	5.627622	5.217339	5.279468	5.265357
EIF3F	ENSG0000	0.064206	7.041813	1.285233	0.215481	0.323916	-6.65237	7.349325	7.368867	7.409901	7.311179	7.267659	7.231619	7.43993	7.464198	7.507069	6.712931	6.627863	6.692621	6.799569	6.846248	6.801117	6.758499	6.732843	6.640054
ZNF25	ENSG0000	1.224155	1.3166	5.930592	1.47E-05	0.000172	3.253263	1.719036	2.125186	1.921989	3.181227	3.132285	3.152687	2.884002	2.938616	3.023464	0.982259	0.89579	0.807652	1.018891	1.2438	1.17005	1.214313	1.67689	1.58715
ARL10	ENSG0000	0.053984	-0.66328	0.188327	0.85279	0.900859	-6.21352	0.318509	0.106501	0.323815	0.106501	0.389229	0.2349	0.415731	0.509405	0.106501	1.940223	2.053933	1.839597	1.797417	1.993753	1.775589	1.926335	1.851139	1.81044
CLTB	ENSG0000	0.272016	5.905033	5.068374	8.74E-05	0.000683	0.93606	5.893553	5.841962	5.922947	5.863665	6.064398	5.837817	6.151346	6.027768	6.150445	5.744175	5.669359	5.891313	5.909553	5.743628	5.811809	6.18696	6.033874	5.993056
PCSK1	ENSG0000	-0.23286	-0.68895	-1.07193	0.298332	0.417204	-5.38619	3.810347	3.750846	3.698006	4.281793	3.878897	3.97338	3.676552	3.335526	3.437684	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LPL	ENSG0000	0.213803	0.076125	0.551791	0.588078	0.692975	-5.75137	3.085796	2.819419	2.865896	3.142765	2.71237	2.845893	3.072345	3.102941	2.892531	0.34397	0.106501	0.499259	0.234608	0.416769	0.186984	0.457048	0.2791	0.315289
RFESD	ENSG0000	-0.406	1.887383	-2.30701	0.033537	0.075784	-3.99456	2.744313	2.730641	2.830836	2.291228	2.299368	2.258349	2.637802	2.650616	2.697131	1.964162	2.095243	2.16783	2.178139	2.084417	2.257813	1.482378	1.766644	1.546329
CCDC14	ENSG0000	-0.31313	4.407115	-2.90429	0.009667	0.028319	-3.5093	4.538049	4.589672	4.715879	4.052041	3.643567	3.878271	4.358069	4.365678	4.549426	4.951137	5.003394	4.66833	4.38345	4.649638	4.695277	4.361843	4.534411	4.661156
SART1	ENSG0000	0.011788	6.393127	0.217308	0.830485	0.884182	-7.43494	5.533718	5.610278	5.533555	5.452586	5.492239	5.298562	5.679816	5.388507	5.504708	7.265819	7.206992	7.31046	7.44361	7.416651	7.415757	7.34394	7.336021	7.225887
PPP2R2D	ENSG0000	0.106104	4.980636	1.892268	0.07514	0.143021	-5.45754	5.49062	5.447111	5.417238	5.404628	5.279302	5.234723	5.535185	5.602735	5.584645	4.460029	4.5846	4.735026	4.595172	4.53375	4.591911	4.774615	4.645052	4.61255
MCTP1	ENSG0000	0.034657	3.342808	0.185038	0.855329	0.902337	-6.82842	4.846543	4.751848	4.574673	3.290819	3.410458	3.349911	4.902122	4.917048	4.66091	3.695491	3.854512	3.608031	1.018891	1.203912	1.390007	3.630901	3.511821	3.744016
POLD4	ENSG0000	-0.26865	3.011271	-2.73403	0.013884	0.037725	-3.43051	3.774862	3.7235	3.544167	3.51817	3.616407	3.643939	3.137083	3.462004	3.373665	2.817246	2.85362	3.068941	2.872818	3.032175	2.647333	2.843302	2.784842	2.742606
DPP10	ENSG0000	0.753103	0.716923	2.978193	0.00825	0.024937	-2.48256	5.608696	5.7433	5.799175	7.288236	7.129199	7.288212	6.426359	6.474844	6.517435	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CLCF1	ENSG0000	0.195464	4.889558	2.861456	0.010593	0.030426	-3.70785	4.863535	4.687262	4.817878	4.416862	4.500575	4.447604	4.889651	4.759705	4.72003	5.22572	5.247382	5.354871	4.761267	4.79096	4.719156	5.633422	5.58723	5.507891
LIPT2	ENSG0000	-0.49499	0.542881	-2.31193	0.033206	0.075192	-3.77745	1.894617	1.849715	1.744977	1.256461	1.2379	1.840725	1.160105	1.658879	1.674905	1.490718	1.112482	1.387696	1.054048	0.938214	0.812339	1.354562	0.816175	0.999041
ALG10B	ENSG0000	-0.35133	4.158865	-3.63415	0.001975	0.008016	-1.93224	4.522086	4.501192	4.441562	3.77864	3.329147	3.700636	4.544628	4.436718	4.475104	4.99537	4.866934	4.892917	3.501296	3.799921	3.578659	4.32395	4.508628	4.216898
DRAP1	ENSG0000	-0.1061	6.54631	-1.23775	0.232178	0.343304	-6.68931	6.593965	6.679772	6.71599	6.164136	6.152121	6.096318	6.197609	6.15961	6.208941	6.806109	6.758162	6.911425	6.550775	6.625295	6.50991	7.047191	7.06167	6.886862
LONRF3	ENSG0000	-0.01776	3.360997	-0.18676	0.853997	0.901599	-6.84053	3.65311	3.483793	3.419917	2.840308	3.093416	3.086148	3.866715	3.711575	3.528681	3.798946	3.66174	3.748962	3.442811	3.445301	3.445943	3.70484	3.431768	3.669942
UCP3	ENSG0000	-0.07875	0.056193	-0.34937	0.730983	0.809973	-6.14629	0.41387	0.875715	0.323815	0.635873	0.389229	0.657796	0.548589	0.622068	0.735084	2.078238	2.155072	1.562415	1.935792	1.793303	1.610309	1.85727	1.737342	1.504318
UCP2	ENSG0000	0.134613	4.429637	2.594352	0.018611	0.047539	-4.2067	2.996191	3.114308	3.148134	3.633621	3.759832	3.666886	3.277716	2.871824	2.937508	5.526317	5.516188	5.528867	6.162044	6.194019	6.069697	5.680829	5.712977	5.689918
C11orf68	ENSG0000	-0.65955	5.300995	-4.42265	0.00035	0.002028	-0.41922	5.350006	5.375715	5.393406	4.263984	4.267295	4.256608	4.011872	3.619579	4.032233	6.272285	6.292645	6.412758	6.260335	6.181237	6.178277	5.975118	6.149614	5.97009
PAAF1	ENSG0000	-0.14165	4.920783	-2.17308	0.04379	0.093436	-5.03688	4.816318	4.609725	4.781616	4.359318	4.42432	4.379778	4.302704	4.444399	4.296723	5.402569	5.427994	5.503074	5.482686	5.476997	5.483693	5.461813	5.368165	5.475641
MRPL48	ENSG0000	-0.25212	5.000227	-2.44106	0.025547	0.061002	-4.54822	4.620325	4.760843	4.840087	4.759555	4.782991	4.610338	4.772276	4.894793	4.940438	5.80343	5.65389	5.734542	4.959705	5.087991	4.894173	5.304237	5.258994	5.174518
RAB6A	ENSG0000	0.079819	7.1385	2.297474	0.034186	0.076872	-5.08268	6.89806	6.911487	6.923673	6.915886	6.950425	6.912032	7.043788	7.086247	7.050138	7.321898	7.322929	7.330873	7.289882	7.408996	7.279006	7.361192	7.391153	7.286788
P2RY2	ENSG0000	0.313267	1.978261	2.208919	0.040795	0.088412	-4.82226	0.742531	0.499412	0.598525	0.841981	0.92021	0.563119	0.548589	0.106501	0.39151	5.293423	5.270107	5.375087	4.948071	4.985845	4.882136	5.833967	5.631703	5.582975
FOSL1	ENSG0000	-0.58549	6.888991	-5.74325	2.15E-05	0.00023	2.231795	8.147073	8.007301	8.121008	5.506594	5.637789	5.619944	7.431351	7.181249	7.359944	7.53668	7.366815	7.632531	5.875564	5.720844	5.821296	7.124541	7.192932	6.995102
ERCC4	ENSG0000	0.487085	4.650342	4.966397	0.000109	0.000808	0.974274	4.973272	4.872944	4.970641	5.142425	5.119213	5.280077	5.609312	5.546744	5.602211	3.950439	3.924944	3.937488	4.334248	4.521632	4.435973	4.147172	4.128907	4.347382
SUGCT	ENSG0000	-0.00243	0.673142	-0.01258	0.990107	0.993455	-6.24522	1.235614	1.374745	1.30847	0.742604	1.006428	0.830331	0.983587	1.082132	0.925731	1.732907	1.588084	1.585733	2.062048	1.793303	2.141451	1.833493	1.645686	1.942153
CCDC85B	ENSG0000	0.454763	4.635751	2.143149	0.046445	0.097843	-4.96302	3.662849	4.087546	4.242513	5.245847	5.49597	4.884435	4.122591	3.879643	4.122646	3.825326	4.529155	4.932106	5.368624	5.556356	5.493616	5.531817	5.143675	4.488745
TMEM70	ENSG0000	-0.00542	5.66924	-0.08941	0.929775	0.953885	-7.31092	6.113688	6.083368	6.054137	5.851791	5.681033	5.596232	6.138227	6.143184	6.171778	5.483477	5.504735	5.507659	5.297059	5.263181	5.420597	5.515099	5.348921	5.408895
LINC00476	ENSG0000	-0.24504	1.681934	-1.76847	0.094431	0.170878	-4.94227	1.927307	2.179863	1.585853	2.021307	1.666451	1.757653	1.459147	1.605065	1.564539	2.30136	2.42184	2.328504	2.749557	2.743101	2.782986	2.055273	2.465551	2.252429
RPS6KB2	ENSG0000	0.349663	5.747467	5.809417	1.87E-05	0.000206	2.48167	4.505944	4.624584	4.564038	5.05192	5.109506	4.899045	4.968851	4.802174	5.026224	6.573021	6.527689	6.660037	6.734689	6.615826	6.646042	6.944799	6.931076	6.877636
RMI2	ENSG0000	0.510062	3.057545	2.650425	0.016553	0.0433	-3.81877	2.568952	2.356396	2.018628	2.688367	2.881616	2.784269	2.340763	2.623806	2.471058	4.048869	4.051023	4.238998	3.173846	3.162755	3.157218	4.537676	4.744131	4.771534
TOM1L2	ENSG0000	-0.3242	5.785464	-1.98077	0.063578	0.125214	-5.48109	5.889411	5.831327	5.887131	5.510375	5.47722	5.334836	5.026946	5.053893	5.097318	5.880929	5.927012	5.835262	6.787216	6.706043	6.762242	5.933785	5.926002	5.782904
ZNF77	ENSG0000	0.301743	2.01732	3.17905	0.005344	0.017792	-2.42915	2.021155	1.947501	1.888281	2.21912	1.817192	1.757653	2.226405	2.147141	2.202855	2.635389	2.618839	2.522234	2.738794	2.517623	2.703134	2.913023	2.881762	2.668457
GPR156	ENSG0000	-0.07345	-0.00946	-0.30233	0.76597	0.835801	-6.01231	1.18244	1.118985	1.54317	0.934951	1.087782	0.563119	1.240874	1.001115	1.01237	1.239286	0.986408	1.061592	0.945898	0.550009	0.862212	1.482378	1.118494	0.872651
MTLN	ENSG0000	-0.0125	4.584479	-0.12407	0.902678	0.935432	-7.09762	5.167074	5.077581	5.325763	4.605448	4.733289	4.28655	5.157514	5.053893	5.092354	4.332495	4.23323	4.524909	4.283307	4.250194	4.25179	4.552316	4.442079	4.286716
KDF1	ENSG0000	-0.10572	0.867873	-1.09196	0.289675	0.407974	-6.45591	0.216396	0.215206	0.421314	0.258133	0.106501	0.106501	0.106501	0.106501	0.256032	5.063439	5.059262	5.185873	4.994054	4.834061	4.947129	5.041713	5.08382	4.973643
B3GNTL1	ENSG0000	-0.39518	4.108437	-4.42998	0.000345	0.002004	-0.12374	4.949597	4.909804	4.89628	3.955484	3.956756	3.964146	4.591583	4.651042	4.570996	4.151473	4.117695	4.331562	3.746669	3.599295	3.81227	3.854102	3.743163	3.734962
MLXIP	ENSG0000	0.009843	7.231783	0.258168	0.799293	0.860689	-7.48029	6.736823	6.757101	6.810127	7.141122	7.252302	7.282651	6.783948	6.787247	6.714435	7.450332	7.469059	7.428009	7.845587	7.729205	7.763707	7.487971	7.481735	7.434615
RWDD4P2	ENSG0000	0.225151	2.117797	1.41863	0.173593	0.273838	-5.49502	2.884092	2.513665	2.558197	2.425456	2.117603	2.258349	3.315502	3.178579	3.236418	2.47802	2.355385	2.228347	2.062048	1.846087	1.992654	2.192442	2.169028	2.119598
NR2F1	ENSG0000	0.222857	5.353274	1.369575	0.18816	0.290633	-6.39759	3.210562	3.298545	3.25779	4.707799	4.900234	4.751204	4.544628	4.341199	4.467457	6.574966	6.709941	6.707313	6.746155	6.600546	6.753184	6.631545	6.676065	6.481278
AURKAIP1	ENSG0000	-0.17182	6.558624	-1.84784	0.081621	0.152796	-5.81543	6.663528	6.651031	6.850072	6.13993	6.350594	6.140024	6.307166	6.119389	6.346621	6.634917	6.654018	6.959078	6.68088	6.756895	6.656679	6.909699	6.841829	6.680701
TTLL11	ENSG0000	-0.08158	2.794191	-0.74303	0.467331	0.586967	-6.37558	2.9807	3.222448	2.776595	2.791417	3.012388	2.980206	2.981245	2.481727	2.981126	2.943032	3.096753	2.902498	3.197622	3.320292	3.344321	3.001034	2.99751	2.928814
TOMM5	ENSG0000	-0.02972	0.642797	-0.14018	0.890121	0.926618	-6.18033	1.719036	1.118985	1.453818	1.104644	1.087782	0.830331	1.317361	1.658879	1.01237	1.239286	1.498542	1.696985	1.621093	1.495836	1.667532	1.571317	1.547811	1.416439
LINC01106	ENSG0000	-0.23224	1.475316	-1.57992	0.132053	0.221561	-5.31126	1.069823	1.708084	1.62731	0.934951	1.2379	1.623325	0.886508	1.001115	1.0941	2.881509	3.002186	2.806521	2.649667	2.627242	2.743612	2.692858	2.908298	2.896697
SLC35E3	ENSG0000	0.299376	4.373771	3.642519	0.001939	0.007902	-1.81046	5.075249	5.048491	4.990634	5.259393	5.013874	5.175948	5.431459	5.443204	5.392079	3.568508	3.486521	3.619375	3.735884	3.896925	3.945482	3.678389	3.793856	3.631427
ZNF169	ENSG0000	-0.0071	1.638165	-0.05717	0.955058	0.970872	-6.38506	1.927307	2.039077	1.78216	1.978268	1.718467	1.840725	1.816207	2.184314	1.962896	2.01088	2.193623	2.228347	2.452975	2.398985	2.200805	2.173627	1.981819	2.119598
RUVBL1	ENSG0000	-0.02129	7.241544	-0.2457	0.808777	0.868144	-7.48722	7.514414	7.558128	7.462387	7.073718	6.92159	6.923987	7.776037	7.788521	7.783692	7.328253	7.291617	7.428412	6.776073	6.828323	6.90738	7.093596	7.044577	7.028832
SFN	ENSG0000	-0.73815	7.0853	-2.13017	0.047641	0.099787	-5.40514	8.140553	8.108984	8.140825	5.601826	5.938464	5.584228	5.771031	5.636658	5.70008	7.723153	7.570955	7.754898	7.294023	7.221953	7.184153	8.15628	8.170245	8.092756
MSRA	ENSG0000	0.003692	0.919788	0.018476	0.985468	0.990475	-6.08679	2.90065	2.819419	2.274882	2.48816	2.737798	2.741673	2.545421	2.916694	2.697131	0.7264	0.89579	0.884879	0.828978	0.837535	0.593579	0.837776	0.759002	0.659518
CTDNEP1	ENSG0000	0.128005	5.739739	1.777977	0.09281	0.16844	-5.7751	6.018285	6.024831	6.198653	6.333788	6.379154	6.250487	6.089987	6.065615	6.183495	5.281564	5.231258	5.36838	5.356354	5.22881	5.305888	5.629975	5.489561	5.40033
ETV4	ENSG0000	0.11357	5.296658	1.181591	0.253196	0.367762	-6.55522	6.555272	6.50744	6.527679	5.180897	5.292232	5.261353	6.648022	6.600482	6.562999	5.183009	5.167323	5.121514	3.141522	3.357127	3.253801	5.353134	5.246049	5.341895
SWI5	ENSG0000	0.270335	4.456345	4.888347	0.000128	0.000921	0.834094	4.85081	4.830853	4.929803	5.05192	5.119213	5.00189	5.077304	5.178875	5.160337	3.938405	3.964495	3.977706	4.028794	3.884362	3.898452	4.21775	4.184245	4.197255
BAIAP2	ENSG0000	-0.32095	6.166962	-3.98534	0.000912	0.004342	-1.50999	5.32875	5.137514	5.169662	4.416862	4.42432	4.379778	4.536652	4.474723	4.534865	7.772285	7.713324	7.933924	7.671169	7.618355	7.598358	7.674345	7.640528	7.578849
HOXD8	ENSG0000	0.048423	-0.71779	0.26848	0.791473	0.85471	-5.89786	3.710582	3.888531	3.845818	3.70135	3.278066	3.432575	3.788265	3.868266	3.844255	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZDHHC21	ENSG0000	-0.25787	4.912245	-4.17931	0.000596	0.003094	-0.87114	4.917414	4.885335	4.921495	4.384261	4.522687	4.434292	4.980658	4.80814	4.88411	5.497899	5.442072	5.429264	4.989521	5.034983	4.97856	5.02081	5.057388	5.12686
PLEKHF2	ENSG0000	-0.00407	4.25645	-0.08113	0.936262	0.958813	-7.175	2.90065	2.950996	2.916938	3.562554	3.278066	3.405543	2.957542	3.023117	2.869505	5.477252	5.570294	5.542338	5.757889	5.885918	5.924669	5.511357	5.51784	5.523749
ARL4D	ENSG0000	-0.39451	4.755083	-1.43193	0.169804	0.269173	-6.15603	4.798758	5.059469	4.89628	5.112883	5.26188	5.010886	4.695544	4.825892	5.057123	5.556156	5.508563	5.684119	3.416036	3.599295	3.533199	4.980783	4.805418	4.890466
DOK7	ENSG0000	0.222317	2.046435	1.117985	0.278705	0.396128	-6.29922	1.826927	1.670392	1.987129	0.52061	0.828511	0.657796	0.415731	0.622068	0.735084	4.217694	4.066685	4.472706	4.151547	4.15926	4.139984	4.805497	4.676269	4.577525
UBE2O	ENSG0000	0.011993	6.8899	0.17234	0.86515	0.909531	-7.4859	6.615439	6.485903	6.584036	6.420746	6.52138	6.453835	6.714937	6.399788	6.468472	7.421983	7.48663	7.381716	7.033884	6.932678	6.916998	7.512978	7.432877	7.468468
ORAI3	ENSG0000	-0.33545	1.691844	-1.99626	0.061727	0.122533	-4.44433	2.369288	2.534795	2.514675	2.955742	2.762786	2.998412	1.867984	1.901414	1.962896	1.315703	1.725977	1.49011	2.51737	2.23054	2.416453	1.512637	1.645686	1.504318
UNC119B	ENSG0000	0.316835	6.263347	4.279163	0.000479	0.002607	-0.82762	5.849458	5.877545	5.757775	6.474	6.418997	6.328116	6.048517	6.187341	6.195117	6.293698	6.341745	6.280572	6.361153	6.412102	6.441838	6.616821	6.638913	6.56923
DENND2C	ENSG0000	-0.40089	2.001297	-2.18932	0.042409	0.091174	-4.27405	2.137484	2.125186	2.37563	2.605941	2.57804	2.845893	1.648695	1.710758	1.962896	2.777267	2.546219	2.671369	2.412911	2.269709	2.23906	2.368215	2.447571	2.442395
TUBB6	ENSG0000	0.391468	5.617574	3.385149	0.003409	0.012416	-2.64661	6.055729	6.178742	6.093496	6.112826	6.331931	6.16038	6.087259	6.124179	6.128792	4.667452	4.709571	4.925267	5.231389	5.131167	5.071593	5.689133	5.564469	5.43987
LYSMD3	ENSG0000	1.015959	5.353437	8.644955	1.01E-07	3.63E-06	7.942162	4.650007	4.569336	4.429894	6.314452	6.154483	6.233295	5.715585	5.962395	5.683673	4.77625	4.719513	4.69001	5.579365	5.558335	5.544145	5.398403	5.52857	5.562649
B3GALT6	ENSG0000	1.378186	4.837933	15.06486	1.89E-11	6.27E-09	16.52425	3.613482	3.829904	3.726899	5.117849	5.114368	5.159862	5.015513	5.117737	5.313214	4.222665	4.353024	4.592658	5.338642	5.308554	5.317108	5.814363	5.605589	5.557523
ZNF613	ENSG0000	0.494722	2.655032	4.769773	0.000165	0.001127	0.793192	1.927307	1.947501	1.78216	2.291228	2.520598	1.840725	2.412257	2.596487	2.560038	3.155466	3.373534	3.38694	3.773284	3.884362	3.86826	3.66498	3.644015	3.716682
JAKMIP2	ENSG0000	0.037819	0.072509	0.109051	0.914405	0.94328	-6.02976	0.503316	0.106501	0.323815	1.978268	1.996426	1.799787	0.415731	0.253663	0.256032	1.352446	1.300837	1.277453	3.259174	3.193633	3.096004	1.250674	1.072305	1.370407
MBLAC2	ENSG0000	-0.4801	4.507207	-7.14218	1.41E-06	2.81E-05	5.347648	5.086148	5.303682	5.137743	4.576883	4.558804	4.506036	4.87074	4.459641	4.620106	4.755823	4.655361	4.654613	3.960951	4.225504	4.088533	4.298124	4.263465	4.299055
TPRN	ENSG0000	0.072625	4.615397	0.967345	0.346568	0.467706	-6.64502	4.284124	4.299916	4.229112	4.654117	4.801196	4.67402	4.6445	4.59693	4.620106	4.789709	4.602618	4.895252	5.053895	5.029288	5.014844	4.736662	4.660745	4.577525
SLC35A4	ENSG0000	-0.05893	7.287415	-0.87118	0.395465	0.517062	-7.1325	7.07807	7.138089	7.239075	7.100306	7.177618	7.167696	7.461157	7.245314	7.327573	7.584279	7.53669	7.603908	7.315008	7.238706	7.231173	7.306648	7.316959	7.277465
CRYBG2	ENSG0000	-0.80673	3.157544	-7.99762	3.02E-07	8.28E-06	6.888176	2.051128	1.631689	1.744977	1.457877	1.864131	2.029614	1.317361	1.082132	1.620777	5.93946	5.942657	5.960958	4.989521	4.732581	4.775553	5.20581	5.146465	5.077574
IP6K1	ENSG0000	0.432566	5.971974	8.947481	6.13E-08	2.57E-06	8.344688	5.768329	5.706529	5.600136	5.842822	6.002805	5.892383	6.23506	6.256606	6.273953	5.967858	5.931296	5.895985	5.974073	5.918631	5.918789	6.250061	6.218828	6.27031
SSNA1	ENSG0000	-0.06773	6.012072	-1.23773	0.232187	0.343304	-6.59617	6.169409	6.08516	6.113692	6.185579	6.397219	6.102644	6.01446	5.907876	6.041352	5.981118	5.938407	6.001619	5.990046	5.921708	5.901004	6.007353	5.972326	5.900939
CSTF3	ENSG0000	-0.48903	5.423558	-5.70984	2.30E-05	0.000241	2.351606	5.857962	5.822762	5.794633	5.428807	5.212855	5.291197	5.093706	5.028565	5.092354	5.832982	5.835508	5.879569	5.130006	5.141762	5.103047	5.526265	5.549795	5.635005
YES1	ENSG0000	-0.16217	6.730391	-2.17224	0.043863	0.093524	-5.28068	6.720595	6.707951	6.692989	6.248061	6.094235	6.096318	6.49383	6.598762	6.619295	7.087273	7.113327	7.089698	6.998227	7.034973	7.031089	6.880265	6.898355	6.999834
CHMP6	ENSG0000	-0.15964	4.728057	-1.44954	0.164894	0.263058	-6.12705	4.829349	4.809337	4.879222	4.171485	4.65537	4.210498	4.6145	4.519046	4.647437	4.832603	4.902278	5.030978	5.208167	5.05754	5.222422	4.865346	4.787661	4.874064
DLEU1	ENSG0000	0.302566	2.302645	2.477401	0.02371	0.057639	-3.84198	2.051128	2.308123	2.194417	2.291228	2.299368	2.675323	2.667326	2.801791	2.588518	2.620402	2.766797	2.615819	2.67247	2.671787	2.930541	2.554269	2.985098	2.778299

UFSP1	ENSG0000	-0.17105	1.564017	-1.05978	0.303669	0.422833	-5.80903	1.990546	2.009193	1.744977	2.063099	1.909591	1.840725	1.389995	1.367163	1.674905	1.91588	2.032826	2.409144	2.343563	2.48471	2.465679	2.400938	2.254246	1.877799
TMEM39A	ENSG0000	0.424321	5.197798	7.835793	4.01E-07	1.05E-05	6.506907	5.030813	5.154678	5.025938	4.982834	4.966263	5.00189	5.347317	5.416115	5.408147	5.154683	4.992502	5.143288	5.240955	5.381888	5.303633	5.566486	5.564469	5.607985
TCP11L1	ENSG0000	-0.54731	2.818077	-3.78832	0.001407	0.006141	-1.20859	3.810347	3.61855	3.454879	3.21869	3.112982	3.136338	2.981245	2.568641	3.124172	2.881509	2.792142	2.83599	3.048706	2.938056	3.075009	2.417026	2.827179	2.549558
GPX2	ENSG0000	-0.20144	2.694497	-0.39689	0.696252	0.782693	-6.49358	2.815895	3.248262	2.982302	4.316764	4.400635	4.34463	2.480375	2.324112	2.239236	3.024981	2.969234	2.855308	1.954519	1.591687	1.801384	3.281432	3.182818	3.202807
CCDC57	ENSG0000	-0.35666	5.484266	-6.6779	3.37E-06	5.50E-05	4.266678	4.981078	4.715296	4.904734	4.555081	4.758354	4.809079	4.496094	4.349405	4.467457	6.631184	6.517279	6.605467	6.352354	6.220499	6.26889	6.250061	6.303737	6.233818
SPHK1	ENSG0000	0.074664	4.189215	0.558417	0.583644	0.689576	-7.01204	3.100204	3.169391	3.190238	3.237064	3.630051	3.247073	3.690999	3.89093	3.614278	5.58539	5.504735	5.626259	4.431031	4.412116	4.423569	5.529969	5.537098	5.335919
BNIP3	ENSG0000	0.528008	6.238466	5.278681	5.61E-05	0.00048	1.42021	7.360589	7.339898	7.336029	7.273847	7.207502	7.231619	7.617749	7.580306	7.578916	4.604112	4.86395	4.654613	5.136171	5.051933	5.012085	5.621323	5.663206	5.644707
MYPOP	ENSG0000	0.874108	2.579265	6.093526	1.06E-05	0.000134	3.58831	2.021155	1.81559	2.558197	3.408969	3.225109	3.051692	3.370387	2.825515	3.00245	2.37464	2.338281	2.497858	3.004458	3.203781	3.206318	3.083983	2.972579	2.863849
ATAD5	ENSG0000	-0.04598	3.384569	-0.30133	0.766722	0.83649	-6.91264	4.059241	3.667203	3.955676	2.577385	2.686486	3.119801	3.719464	4.040332	3.783962	4.290508	4.369954	4.460144	2.044674	1.946191	2.257813	4.386563	4.216457	4.365096
SMIM19	ENSG0000	-0.18349	4.484415	-2.40289	0.027618	0.064901	-4.50328	4.212988	4.366251	4.050156	4.359318	4.186495	4.130213	3.976929	3.913244	4.08316	4.877414	4.80292	4.95243	5.148423	5.375169	5.321571	4.774615	4.699246	4.7174
ZNF404	ENSG0000	0.873681	0.016884	3.663315	0.001852	0.007617	-1.47147	0.216396	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.387194	0.515351	2.763691	2.531245	2.569785	4.684821	4.569504	4.628397	3.298901	3.277464	3.432977
RTTN	ENSG0000	-0.29503	3.949472	-4.76501	0.000167	0.001136	0.657117	5.207561	5.185067	5.155563	4.161901	4.061165	4.10523	4.914487	4.849227	4.940438	3.744695	3.836353	3.70172	2.872818	2.850343	3.010124	3.545669	3.32748	3.581792
ANAPC2	ENSG0000	-0.11069	5.808182	-2.15981	0.044949	0.095298	-5.16413	5.795144	5.701866	5.922947	5.938549	6.00018	5.885062	5.919505	5.79224	5.782514	5.849142	5.884933	5.881925	5.967173	5.841114	5.88752	5.655626	5.623718	5.694596
ZBTB8OS	ENSG0000	0.229835	4.71174	2.850751	0.010838	0.030982	-3.63303	4.473109	4.395423	4.363979	5.0571	4.917027	5.028711	4.716879	4.917048	4.956916	4.652797	4.675929	4.793777	4.792829	4.882244	4.935528	4.868275	4.668528	4.731125
SLC35G1	ENSG0000	0.387686	0.163911	2.42116	0.026608	0.063099	-3.50042	5.240453	5.188404	5.214556	5.464331	5.309293	5.272617	5.624444	5.676339	5.489686	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZNF135	ENSG0000	-0.26177	0.172821	-1.90796	0.072963	0.139743	-5.02044	0.318509	0.316291	0.106501	0.258133	0.25478	0.106501	0.106501	0.106501	0.106501	3.914031	3.970058	3.946523	3.773284	3.915568	3.747398	3.717885	3.800954	3.779675
COX8A	ENSG0000	-0.03048	6.151748	-0.63915	0.531016	0.643902	-7.19249	6.084999	6.081574	6.093496	6.147234	6.108926	6.0137	6.111626	6.082943	6.178819	6.351563	6.371473	6.376449	6.09294	6.071917	6.106375	6.363362	6.218828	6.251386
ZSCAN2	ENSG0000	-0.07237	3.074032	-0.6508	0.523641	0.637259	-6.59102	2.245129	2.332462	2.300736	2.81607	2.904251	2.763128	2.340763	2.777669	1.962896	3.751589	3.695711	3.685623	4.853955	4.897954	4.801349	3.651445	3.651889	3.498643
B3GNT4	ENSG0000	0.682812	-0.08708	3.039788	0.007225	0.022408	-2.42381	0.41387	0.410755	0.756332	1.022291	0.512209	0.461789	0.782422	0.726566	0.515351	1.352446	1.265082	1.061592	1.99126	1.652223	1.488568	1.734264	1.478665	1.775544
CDC26	ENSG0000	0.100344	4.645391	1.637617	0.119378	0.205153	-5.8579	4.399293	4.435299	4.109872	4.3081	4.392653	4.308605	4.225415	4.256466	4.534865	4.905504	5.003394	5.022459	5.073302	5.231292	5.166452	5.180117	5.057388	5.09537
HSD11B2	ENSG0000	-0.69033	1.426058	-3.36846	0.003536	0.012761	-2.0056	1.927307	1.744817	1.987129	0.934951	0.92021	0.746642	1.240874	1.301009	1.01237	2.620402	2.877496	2.893183	2.88263	2.837366	2.730245	2.384669	2.030948	2.610232
CRLF3	ENSG0000	0.174731	4.616947	1.552163	0.138542	0.229956	-5.96428	4.721647	4.881217	4.676925	3.944346	4.318753	4.323123	4.889651	5.132077	4.940438	4.641707	4.651904	4.583999	4.787617	4.794321	4.62479	4.755763	4.691628	4.836464
RNPEP	ENSG0000	-0.37357	6.979271	-5.94092	1.44E-05	0.000169	2.699694	8.090015	8.126053	8.046561	7.71833	7.697557	7.604256	7.559894	7.635034	7.546619	6.319445	6.280384	6.24897	6.242349	6.1991	6.341015	6.056963	6.121538	6.039759
EID2	ENSG0000	0.60414	3.643027	5.847269	1.74E-05	0.000196	2.941356	2.933205	2.693541	3.029452	3.633621	3.967543	3.888069	3.891945	3.879643	3.586306	3.637124	3.612795	3.905414	4.218931	4.298341	4.293286	4.127753	4.07722	4.087723
DMRTA1	ENSG0000	-0.08335	1.102252	-0.60516	0.55285	0.663208	-6.22797	1.286899	1.118985	1.146821	1.022291	0.828511	0.984419	1.160105	0.915275	0.833554	2.163418	2.500824	2.409144	2.614772	2.797719	2.795875	2.417026	2.295039	2.397196
EID2B	ENSG0000	-0.58278	0.787682	-2.58373	0.019027	0.048368	-3.36656	1.719036	1.226787	1.028027	1.182548	1.087782	1.575618	1.160105	1.491012	0.925731	1.840286	2.267764	1.915176	1.336984	1.970168	1.722572	1.512637	1.513652	1.322858
KCMF1	ENSG0000	-0.01993	6.599691	-0.28531	0.778757	0.845146	-7.40537	7.259912	7.203053	7.178485	6.48365	6.395223	6.590627	7.17676	7.111797	7.175119	6.366236	6.344959	6.342628	6.080206	6.095271	6.157205	6.339294	6.43044	6.351044
DNAJC30	ENSG0000	-0.1971	4.164662	-2.16489	0.044502	0.094635	-4.83207	4.327631	4.383825	4.332993	4.254996	4.384626	4.121933	4.13321	3.685883	4.17992	4.177304	4.112675	4.405499	4.489986	4.484656	4.480563	4.293774	4.11758	4.066226
SPRYD4	ENSG0000	-0.54429	4.451213	-7.23327	1.19E-06	2.46E-05	5.490088	4.416666	4.522504	4.370098	4.132759	3.747367	3.858473	3.80164	3.999201	3.957772	5.077225	5.196089	5.240153	5.109264	4.988782	5.012085	4.700972	4.668528	4.59264
VPS37D	ENSG0000	0.542081	0.532576	1.991873	0.062246	0.123341	-4.30896	1.561356	1.277811	1.088647	1.978268	1.666451	1.623325	1.917967	1.901414	1.171446	1.278001	0.941811	1.061592	0.828978	1.077171	0.760679	1.571317	1.289746	1.222783
CLK2	ENSG0000	-0.07079	5.692651	-1.02709	0.318384	0.438182	-6.78926	5.313374	5.343146	5.525355	5.72735	5.713437	5.904501	5.586312	5.458458	5.474506	5.93795	6.003595	5.77441	6.064129	5.94458	6.093383	5.629975	5.659306	5.834677
LPCAT4	ENSG0000	-0.67925	5.552553	-4.8168	0.00015	0.001038	0.411595	6.1847	6.146502	6.296664	4.540361	4.668652	4.407292	5.257962	5.224202	5.117003	6.23095	6.056844	6.205413	5.714599	5.629696	5.654408	5.750728	5.722354	5.754064
SLCO3A1	ENSG0000	0.005783	4.177316	0.073445	0.942286	0.962699	-7.20833	2.483604	2.448351	2.300736	3.20008	3.012388	3.231764	2.545421	2.596487	2.127218	5.884069	5.855181	6.000535	6.126359	6.077446	6.179507	6.033676	5.886506	5.811178
WDR25	ENSG0000	-0.11829	3.986285	-1.15285	0.264497	0.380643	-6.20396	4.500523	4.366251	4.288462	4.845887	4.70778	4.854763	4.528631	4.316298	4.620106	3.42926	3.5985	3.728156	4.015478	3.976023	3.951255	3.094024	3.307681	3.398988
SGF29	ENSG0000	-0.45543	4.220921	-5.7239	2.23E-05	0.000236	2.598549	5.197545	5.116644	5.204319	4.082842	4.071202	4.018682	4.622059	4.630987	4.674259	4.332495	4.228596	4.317702	3.768	3.614588	3.734067	4.042177	3.929587	3.87342
PLAAT3	ENSG0000	2.369844	3.249534	12.23821	5.30E-10	7.12E-08	12.96703	1.384302	1.277811	1.088647	4.161901	4.360275	4.121933	4.068294	3.924273	3.957772	2.510897	2.687979	2.409144	4.808355	4.756906	4.752597	4.147172	4.029668	4.359215
DIRAS1	ENSG0000	0.583391	1.437229	2.540784	0.020802	0.051889	-3.51636	1.235614	0.940485	0.829201	2.518519	2.490996	2.402038	0.670238	1.430416	1.38134	1.964162	1.725977	1.839597	3.360948	2.974074	2.965187	2.334732	2.190809	2.610232
PHLDB3	ENSG0000	-0.09999	3.039612	-0.86673	0.397835	0.519469	-6.31744	3.128595	2.9974	2.900124	3.472378	3.656958	3.27721	2.858632	2.728183	3.199964	3.0698	3.055486	3.519989	3.623353	3.453829	3.533199	3.290193	3.104657	2.975687
USF3	ENSG0000	0.004811	3.869696	0.046628	0.963339	0.976331	-6.98725	3.183753	3.537122	3.707702	3.456785	3.616407	3.75519	3.80164	3.956862	3.628063	4.261822	4.447768	4.213027	4.369563	4.561635	4.543056	4.254026	4.065478	4.136669
AC008969.	ENSG0000	-0.27869	0.152085	-1.99249	0.062172	0.123263	-4.86502	0.216396	0.215206	0.421314	0.106501	0.25478	0.106501	0.106501	0.106501	0.256032	3.622156	3.786782	3.674791	3.884887	3.745389	3.799527	3.341669	3.529023	3.611778
KBTBD11	ENSG0000	-0.34962	-0.74643	-1.0501	0.307974	0.427432	-5.39704	3.541402	3.39414	3.62825	3.714523	3.988879	4.036412	2.957542	3.160038	3.044176	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.214669
B3GNT5	ENSG0000	-0.06387	6.047525	-0.7128	0.485376	0.603773	-7.14135	6.518198	6.562493	6.52494	5.622938	5.305047	5.408166	6.29303	6.232407	6.354934	6.124772	6.162652	6.161471	5.745844	5.80324	5.726866	6.257897	6.208188	6.259301
LMNB2	ENSG0000	0.03261	7.274802	0.488657	0.631159	0.730515	-7.41534	7.240532	7.325571	7.447998	6.614138	6.695318	6.647975	7.268717	7.362455	7.247231	7.670471	7.701668	7.900317	6.854818	6.820925	6.775317	7.973917	7.859897	7.720324
RMDN1	ENSG0000	-0.11938	5.625127	-0.90496	0.377793	0.500177	-6.91582	5.741006	5.814146	5.738987	5.067404	5.14795	4.927828	5.719113	5.798247	5.673738	5.710958	5.880509	5.789551	5.896296	6.011098	5.989218	5.64883	5.605589	5.642288
MEX3C	ENSG0000	-0.24093	5.272431	-2.94878	0.008788	0.026235	-3.51091	5.601118	5.647129	5.70066	5.704425	5.547207	5.677574	5.188389	5.228657	5.455304	4.908591	5.051412	4.976888	5.52402	5.393017	5.430962	4.847651	4.952919	4.771534
MYO1D	ENSG0000	0.94807	4.749068	11.4864	1.43E-09	1.45E-07	12.23281	2.917019	3.155816	2.966237	3.408969	3.656958	3.666886	3.690999	3.646467	3.614278	5.362601	5.579421	5.437298	6.92534	6.886177	6.809086	6.421335	6.450892	6.431707
FOXL1	ENSG0000	-0.31238	-0.02639	-1.39591	0.180223	0.281892	-5.05131	5.049495	4.856254	4.942176	4.009923	3.656958	3.954853	4.80585	4.741115	4.592248	0.190076	0.185134	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
BDNF	ENSG0000	0.464284	5.90537	2.798019	0.012125	0.033947	-3.77578	6.927647	7.006251	6.934035	8.067942	7.963795	8.0533	7.798726	7.743309	7.765877	4.391063	4.23323	4.466439	4.645023	4.488812	4.621173	3.871719	4.017531	4.087723
SCAND2P	ENSG0000	0.146071	2.284233	1.09536	0.288224	0.406353	-5.97798	2.296082	2.09705	2.221741	2.143217	2.117603	2.317553	1.966276	2.702788	2.643847	2.664903	3.013005	2.592986	2.977243	2.962168	3.096004	2.706012	2.770449	2.990979
CCDC121	ENSG0000	0.023143	2.090365	0.13755	0.892169	0.928211	-6.40805	2.589523	2.935191	2.5366	2.548252	2.520598	2.581827	3.004565	2.894433	2.616448	1.98771	2.053933	2.004401	2.504718	2.381211	2.513282	1.809319	2.054898	1.942153
ACSF3	ENSG0000	-0.42659	4.96788	-5.8549	1.71E-05	0.000194	2.728152	5.272612	5.234335	5.325763	4.612502	4.770725	4.884435	4.883375	4.651042	4.934903	5.250266	5.21963	5.304813	5.184566	5.01783	5.100452	4.925625	4.971913	4.731125
BOK	ENSG0000	-0.02906	5.628537	-0.34459	0.734513	0.812886	-7.26758	4.945613	4.945746	5.049003	5.294904	5.469652	5.223158	4.83866	4.796183	4.895553	5.874627	5.945483	6.030584	6.95296	6.824217	6.870539	5.996688	6.084202	5.872323
RBIS	ENSG0000	-0.29459	5.720194	-4.06716	0.000762	0.003755	-1.23418	5.864307	5.765816	5.830573	5.350809	5.230876	5.227023	5.515028	5.427787	5.455304	6.189666	6.018435	6.032707	5.996837	5.965605	6.069697	5.779011	5.821673	5.936917
CDK5R1	ENSG0000	-0.0186	3.820639	-0.21296	0.833822	0.886278	-7.02394	4.12413	4.12982	4.453135	2.91067	2.926537	2.961768	3.841036	3.773871	3.946814	4.430262	4.439772	4.405499	3.53901	3.629721	3.462206	4.637167	4.584635	4.572451
NCKAP5	ENSG0000	0.322857	0.057567	1.547875	0.139568	0.231255	-4.86883	4.996565	4.682536	4.840087	5.5623	5.462043	5.617001	5.248226	5.048863	5.165072	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RUFY1	ENSG0000	0.115241	6.358482	2.324249	0.032392	0.073611	-4.9377	6.443889	6.429199	6.392951	6.458425	6.525036	6.583107	6.408987	6.333079	6.379591	6.088476	6.161437	6.119148	6.483864	6.43274	6.410754	6.353992	6.412014	6.362847
BASP1	ENSG0000	0.32546	8.196346	3.535299	0.002453	0.009537	-2.56099	9.178679	9.23662	9.252197	9.851167	9.807892	9.807459	9.814666	9.753792	9.867707	6.648832	6.765378	6.872848	6.86599	6.941801	6.841306	6.79435	6.787472	6.58695
LRRC37A3	ENSG0000	0.169086	1.390055	0.759785	0.45751	0.578302	-5.89356	1.959273	2.206444	2.351095	3.425084	3.012388	3.306732	2.576877	2.324112	2.616448	1.116489	1.228418	1.46518	1.597456	1.203912	1.355599	1.017342	1.16325	1.170016
VSIG10	ENSG0000	0.232065	3.342753	1.84	0.082814	0.154348	-5.04334	4.375799	4.204245	4.050156	4.971905	4.86605	4.884435	4.293266	4.307901	4.475104	2.30136	2.469748	2.355887	2.491955	2.671787	2.604018	2.719047	2.634012	2.687355
IRX5	ENSG0000	-0.10449	2.280026	-0.51246	0.614744	0.715975	-6.46143	2.080492	1.780637	2.018628	2.325974	2.737798	2.675323	1.867984	2.290412	1.445026	2.943032	3.250939	3.38694	2.694919	2.837366	2.846311	3.245848	3.182818	2.880366
METRNL	ENSG0000	0.288484	4.873326	2.60784	0.018095	0.046412	-4.13874	4.42241	4.619648	4.691656	5.28169	5.162106	4.965334	4.772276	4.504423	5.052019	4.485065	4.45175	4.77868	5.669971	5.591562	5.495593	5.069967	4.981317	4.656368
FAM91A1	ENSG0000	-0.08461	7.507038	-2.3108	0.033282	0.07534	-5.09919	6.989904	6.917533	6.915329	6.910172	6.910452	6.934663	7.018237	6.952582	6.907654	8.221577	8.246247	8.163382	7.997793	8.025825	8.024112	8.037409	8.073906	8.038595
WSB2	ENSG0000	-0.02941	6.513366	-0.47019	0.64403	0.741786	-7.26022	7.490686	7.415182	7.448721	7.658245	7.603866	7.593816	7.390997	7.392547	7.347499	5.64954	5.54629	5.652722	5.514586	5.412836	5.538404	5.655626	5.64557	5.644707
GRIN1	ENSG0000	0.549111	0.052252	4.014632	0.000856	0.004125	-0.8519	0.318509	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	3.437834	3.494263	3.625013	4.407437	4.588991	4.41524	4.083081	4.211138	3.95366
TYMS	ENSG0000	-0.13895	5.60883	-0.5516	0.588209	0.693072	-7.12952	6.853042	6.874671	6.801098	6.250324	6.159196	6.315464	6.773805	6.83039	6.779187	5.74935	5.662504	5.584909	3.048706	3.065945	2.930541	5.338427	5.408227	5.470195
TCEANC	ENSG0000	0.256836	1.432077	1.093241	0.289128	0.407396	-5.65659	2.245129	2.448351	2.018628	1.978268	1.909591	2.429135	2.186178	2.568641	2.798137	1.239286	1.369793	1.439812	1.897591	1.681564	2.18129	1.419885	1.547811	1.370407
PNMA1	ENSG0000	0.227949	7.569059	2.733831	0.01389	0.037725	-4.19691	8.296097	8.332836	8.309093	9.318188	9.28104	9.243777	8.648901	8.602657	8.646442	6.262665	6.205726	6.317603	6.671713	6.592845	6.624528	6.426311	6.352866	6.302841
TCIM	ENSG0000	-0.04171	5.123357	-0.36764	0.717554	0.800002	-7.20739	4.780982	4.653851	4.595711	4.845887	4.795153	4.735009	4.950956	4.955186	4.91817	5.873048	5.95112	5.84254	4.964332	5.13912	5.028559	5.59328	5.711094	5.680517
TYMSOS	ENSG0000	-0.55369	0.78846	-1.63587	0.119747	0.205662	-4.89922	2.19231	2.308123	2.600444	2.063099	1.718467	2.064596	2.058296	1.988058	1.674905	1.586365	1.228418	1.933468	0.701742	0.416769	0.335616	1.512637	1.118494	1.115245
ANKLE2	ENSG0000	-0.12377	7.084937	-1.95777	0.066419	0.129785	-5.68205	7.529131	7.440595	7.457367	6.706036	6.787998	6.744168	7.228432	7.2508	7.147867	7.155787	7.083486	7.170959	6.875848	6.819276	6.897697	7.176851	7.155346	7.101079
FUT2	ENSG0000	-0.15975	-0.2936	-1.28159	0.216727	0.325541	-5.88274	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	3.560679	3.486521	3.685623	4.046359	3.903166	3.843644	3.290193	3.347011	3.421736
TOB2P1	ENSG0000	0.175606	0.483334	0.936315	0.361869	0.483726	-5.64759	1.235614	1.420874	1.406977	1.74141	1.556428	1.526279	1.648695	1.491012	1.674905	0.781331	1.335727	1.188864	0.982856	1.203912	1.129895	1.177011	1.024588	0.93723
MUC20	ENSG0000	-0.166	1.414583	-1.17566	0.255498	0.370274	-6.31848	0.106501	0.215206	0.323815	0.258133	0.512209	0.746642	0.670238	0.106501	0.39151	5.063439	4.878812	5.107486	5.789524	5.653954	5.709941	4.77149	4.721863	4.950363
THAP4	ENSG0000	-0.13835	6.550743	-2.25687	0.037082	0.081937	-5.10014	6.786668	6.754852	6.823565	6.204376	6.389218	6.261836	6.604805	6.472967	6.439449	6.683492	6.553856	6.736255	6.528294	6.563594	6.460172	6.679846	6.653693	6.603212
NFATC2IP	ENSG0000	0.207763	5.531508	3.483894	0.002746	0.010484	-2.46602	5.227386	5.211553	5.22134	5.640298	5.375591	5.688828	5.502797	5.557409	5.530627	5.651384	5.645223	5.624853	5.622454	5.690495	5.673739	5.829467	5.694037	5.758539
FAM89B	ENSG0000	0.216318	1.328488	0.970323	0.345123	0.466198	-5.93517	0.742531	1.002471	0.829201	1.688986	2.03796	1.880533	0.983587	1.001115	1.01237	2.47802	2.687979	2.510098	2.55467	2.533802	2.604018	2.878584	2.665466	2.48622
SHMT1	ENSG0000	-0.3147	5.568695	-2.62708	0.017382	0.045006	-4.28315	5.590951	5.634949	5.661287	4.674482	4.825118	4.72957	5.360933	5.439365	5.375831	6.140615	5.994071	6.079658	6.109746	6.02833	5.972286	5.753898	5.709209	5.745073
DPP7	ENSG0000	0.090698	7.185734	1.461783	0.161548	0.259104	-6.42826	7.238905	7.270738	7.403949	7.698579	7.879202	7.711609	7.261476	7.133342	7.291214	6.634917	6.66349	6.824661	7.249694	7.221329	7.176165	6.938544	7.008238	6.926174
SEC24C	ENSG0000	0.25671	7.801799	4.64233	0.000218	0.001386	-0.15845	7.719059	7.740271	7.741403	8.189671	8.04752	8.152664	8.221379	8.161396	8.157312	7.516585	7.561314	7.531454	7.692592	7.609795	7.687512	7.621957	7.62761	7.575049
FMR1NB	ENSG0000	-0.03074	1.268777	-0.42759	0.674172	0.765362	-7.15472	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.256032	6.344741	6.403688	6.419263	6.67454	6.636576	6.634428	6.318033	6.358891	6.316562
SMCR8	ENSG0000	-0.20745	6.76154	-4.17608	0.0006	0.003108	-1.09499	7.379909	7.327842	7.322684	6.847279	6.844685	6.856972	7.188262	7.130964	7.180976	6.595228	6.61105	6.581019	6.408614	6.251401	6.354146	6.426311	6.351658	6.304372
HCG4	ENSG0000	0.117377	-0.26945	0.814685	0.426215	0.547935	-6.28095	0.216396	0.215206	0.106501	0.106501	0.25478	0.106501	0.106501	0.253663	0.106501	3.047564	3.348126	3.373604	2.930712	2.950162	2.870883	3.307556	3.413359	3.455199
MTHFR	ENSG0000	-0.51143	4.795808	-3.73966	0.001566	0.006677	-1.80359	4.473109	4.342481	4.44736	4.290615	3.945887	4.315882	4.31208	4.184903	4.22597	5.481405	5.52755	5.342946	6.000221	5.958132	5.977952	4.829736	4.81246	4.898598
DEAF1	ENSG0000	0.408601	4.637583	6.738595	3.00E-06	5.06E-05	4.595536	4.569455	4.533044	4.537101	5.241304	5.510796	5.438487	5.125963	5.002785	4.951444	4.092963	4.087306	4.083875	4.742532	4.824228	4.663983	4.365992	4.395944	4.416967
MTX3	ENSG0000	-0.217	6.321498	-2.98869	0.008066	0.024469	-3.63335	6.797761	6.795907	6.796562	5.941353	5.77614	5.897242	6.546418	6.734965	6.617569	6.517479	6.506792	6.471053	5.952109	5.990731	6.063049	6.286638	6.210856	6.227376
TMEM80	ENSG0000	-0.51877	3.100675	-4.06715	0.000762	0.003755	-0.70832	3.476616	3.714268	3.576275	2.864145	3.053471	3.069023	2.832807	3.160038	2.937508	3.284659	3.439177	3.596598	3.593793	3.659519	3.335521	3.209363	2.985098	3.035906
SIX5	ENSG0000	-0.28993	3.990593	-2.64008	0.016916	0.044095	-3.84687	4.428132	4.34846	4.59048	4.510463	4.614773	4.407292	4.164604	3.833587	4.063004	3.730807	3.68898	3.964424	4.151547	4.089828	3.962731	3.848182	3.870083	3.254409
FBXO46	ENSG0000	-0.11342	4.267342	-1.06026	0.303458	0.422664	-6.51796	4.12413	4.115866	4.418131	3.851999	4.071202	3.75519	3.774765	3.535768	3.844255	4.5772	4.606195	4.813663	4.964332	4.763781	4.801349	4.877024	4.805418	4.536426
ZDHHC13	ENSG0000	0.063711	4.062041	0.871444	0.395325	0.516996	-6.62238	3.765853	3.7235	3.773804	4.031135	4.177232	4.186878	3.66196	3.711575	3.668646	4.30932	4.378346	4.260892	4.393779	4.722029	4.653399	4.426844	4.504286	4.370952
SLC38A9	ENSG0000	-0.07879	4.280606	-1.24811	0.228452	0.339118	-6.33711	3.65311	3.704977	3.668523	3.944346	3.574682	3.678224	3.690999	3.633086	3.543305	4.957113	4.956526	5.005268	5.280456	5.31559	5.239034	4.814634	4.833383	5.063177
ACER2	ENSG0000	-0.46932	2.009417	-3.57569	0.002245	0.008856	-1.5456	3.071243	2.870177	3.133821	1.978268	2.264801	2.029614	2.957542	2.650616	2.440135	2.461296	2.388995	2.422156	1.818016	1.846087	1.947161	1.784732	2.078458	2.252429
WDR73	ENSG0000	-0.26291	5.982139	-5.48005	3.69E-05	0.00035	1.785774	5.885257	5.848305	5.887131	5.514147	5.514478	5.477948	5.486326	5.546744	5.515873	6.491976	6.481699	6.437802	6.460307	6.344918	6.388589	6.304044	6.225439	6.304372
POLE	ENSG0000	-0.04117	5.672084	-0.2604	0.797599	0.859644	-7.2941	6.206505	6.079778	6.135406	5.913065	5.865364	6.018168	6.09814	6.119389	6.054173	5.90895	5.818649	5.744936	4.493192	4.480488	4.394205	5.723497	5.807645	5.81333
PHETA2	ENSG0000	0.961952	1.913701	4.160385	0.000621	0.003185	-0.41166	0.587539	0.499412	0.421314	2.325974	2.117603	1.880533	1.389995	1.491012	1.674905	3.145032	3.15652	3.325935	3.757374	3.576046	3.629946	3.923315	3.705831	3.865145
RHOG	ENSG0000	0.161201	4.926423	2.1081	0.04974	0.103197	-5.08761	5.089762	4.835117	5.018167	5.299283	5.435093	5.276352	5.208612	4.960553	5.03142	4.626786	4.716207	4.745417	4.989521	4.894826	4.715769	4.925625	5.02441	4.762652
EPS8L2	ENSG0000	-0.08676	5.816009	-0.9053	0.377619	0.50004	-6.99845	4.212988	4.330447	4.345467	3.827958	4.249727	3.91707	3.705302	3.40015	3.655245	7.515573	7.580532	7.63323	8.215764	8.090489	8.066613	7.649879	7.647436	7.613843
ANO6	ENSG0000	0.225756	6.274873	5.365482	4.68E-05	0.00042	1.564823	6.697091	6.678585	6.740992	7.026967	6.986671	7.066704	6.88636	6.948536	6.88487	5.56792	5.56295	5.576204	5.755221	5.740146	5.753539	5.725113	5.866346	5.859884
ZBTB34	ENSG0000	-0.32754	4.389139	-4.12065	0.000678	0.003418	-0.88362	4.595114	4.522504	4.641955	3.955484	4.030628	4.170914	4.437325	4.357565	4.339245	4.822817	4.806033	4.637978	4.589193	4.634714	4.591911	4.37013	4.414575	4.353311
FAM210A	ENSG0000	-0.02203	4.923362	-0.48839	0.631343	0.730659	-7.11214	4.71698	4.751848	4.822347	4.416862	4.392653	4.531264	4.772276	4.87219	4.745547	5.380501	5.430014	5.479925	5.136171	4.985845	4.952895	5.386197	5.394214	5.347846
TALDO1	ENSG0000	-0.11005	7.609709	-1.96455	0.065569	0.128499	-5.67874	8.480523	8.415261	8.447527	8.188491	8.265345	8.205535	8.456214	8.46405	8.526448	7.061844	6.917793	7.053569	6.808603	6.790949	6.838194	6.737834	6.784789	6.690101
ULK1	ENSG0000	0.146102	7.473518	1.238742	0.23182	0.342937	-6.62221	9.032806	9.032873	9.183725	9.646465	9.721112	9.60959	9.468224	9.279283	9.394513	5.172773	5.415817	5.468994	6.35588	6.160546	6.257287	5.323569	5.26414	5.052285
RIMKLA	ENSG0000	1.283456	2.082253	2.538221	0.020913	0.052111	-3.60305	1.519087	1.81559	1.54317	3.863871	3.656958	3.828257	2.779728	2.728183	2.588518	1.840286	2.249583	2.286428	1.336984	1.622273	1.456457	3.123735	2.908298	3.050576
RPS6KA3	ENSG0000	0.374334	7.525176	3.581408	0.002217	0.008769	-2.46098	6.673197	6.748083	6.765568	8.145977	8.067087	8.161274	7.260265	7.422025	7.327573	7.421443	7.487115	7.351425	8.02684	7.969323	8.014151	7.539857	7.573714	7.651621
PUS1	ENSG0000	-0.08509	6.371579	-1.37917	0.185236	0.287355	-6.42589	7.481085	7.438494	7.532936	6.902998	6.951784	6.845703	7.463262	7.328612	7.362008	5.642139	5.579421	5.66235	5.47622	5.338797	5.380516	5.577264	5.611658	5.499895
CHD9	ENSG0000	0.476473	5.846383	5.656428	2.56E-05	0.00026	2.203178	5.285277	5.231103	5.190556	6.120268	6.168576	6.345999	6.108939	5.910652	5.803925	5.716254	5.792202	5.593562	6.168074	6.134259	6.185641	5.972399	5.908034	6.076062
GATD1	ENSG0000	-0.18069	5.187994	-2.99209	0.008007	0.024327	-3.39941	5.487883	5.433112	5.483639	5.772136	5.879712	5.757249	5.082792	5.155666	5.160337	4.755823	4.997958	4.8741	5.297059	5.203748	5.255457	4.805497	4.867593	4.86164
MAN1B1	ENSG0000	0.211282	7.015395	6.212644	8.35E-06	0.000112	3.228603	6.893931	6.93552	6.792012	7.502737	7.517496	7.501891	7.049405	7.03502	7.07677	6.683492	6.621691	6.625295	7.224841	7.219454	7.174315	6.883887	6.876682	6.873516
FZD8	ENSG0000	-0.04513	1.478207	-0.1415	0.889095	0.925686	-5.98202	6.416805	6.548276	6.518068	5.821673	5.899563	5.850401	6.458379	6.333079	6.47992	0.190076	0.259702	0.230035	0.106501	0.190544	0.106501	0.457048	0.358227	0.214669
TOP3A	ENSG0000	0.006613	6.029952	0.108088	0.915157	0.943646	-7.38216	6.079556	6.007931	5.990033	6.044055	6.116215	5.832753	6.14086	5.948957	6.143263	6.237104	6.229112	6.126123	5.884137	5.759194	5.924669	6.188132	6.159313	6.137474
CASKIN2	ENSG0000	0.160147	4.701455	2.24983	0.037607	0.082865	-4.83986	4.081197	3.920993	4.065319	4.647264	4.720591	4.549901	4.111894	4.050434	3.890739	4.992463	5.130539	5.180139	5.495531	5.481175	5.44535	5.329955	5.363378	5.268497
ZBTB38	ENSG0000	0.143004	7.232576	1.858647	0.080001	0.150561	-5.77071	8.756882	8.747989	8.767044	8.499875	8.361516	8.466875	8.95788	8.960995	8.968695	5.751071	5.78433	5.677352	5.792129	5.809899	5.81972	5.772774	5.753789	5.819768
C8orf31	ENSG0000	0.278653	-0.49091	2.463399	0.024403	0.05889	-3.89801	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	3.123934	3.21391	3.180357	3.251622	3.203781	3.19663	3.439417	3.366281	3.387478
DLGAP1-AS	ENSG0000	0.189406	3.714894	1.079703	0.294949	0.413546	-6.17136	4.600191	4.57954	4.676925	4.660937	4.600983	4.793524	5.167879	5.07384	5.07736	2.990428	2.804649	3.001185	3.205461	3.41941	3.053703	2.597261	2.552239	2.507643
CCDC71	ENSG0000	-0.27999	4.74074	-3.4817	0.002759	0.010531	-2.35709	4.650007	4.668265	4.626705	4.181007	4.318753	4.194794	4.384974	4.050434	4.33084	5.183009	5.212608	5.299534	5.425104	5.341097	5.389047	5.046891	5.030462	5.033946
TIMM22	ENSG0000	-0.07583	5.076654	-1.1823	0.252921	0.367437	-6.45324	6.048317	6.013586	5.908307	5.654037	5.60362	5.599217	6.034424	5.865591	5.923331	4.674725	4.357275	4.623968	4.309002	4.10615	4.237689	4.533992	4.49118	4.292899
PPFIA3	ENSG0000	0.114759	3.648601	1.389176	0.182226	0.283923	-6.06438	2.548084	2.534795	2.351095	3.123142	3.394558	3.247073	2.480375	2.420731	2.723053	4.619268	4.675929	4.765977	5.086097	5.051933	4.964358	4.891489	4.79123	4.708177
MAGEF1	ENSG0000	-0.41944	5.056183	-4.88979	0.000128	0.000918	0.610405	4.351916	4.275018	4.314076	4.122913	4.120365	4.218286	3.423261	3.335526	3.437684	6.427788	6.511568	6.481191	6.161037	6.206689	6.144664	6.2921	6.208188	6.08143
NINJ2-AS1	ENSG0000	0.117738	1.382451	1.065868	0.300986	0.419965	-5.96247	1.18244	0.940485	1.146821	1.022291	1.006428	1.055701	0.782422	1.301009	1.01237	2.777267	2.727926	2.724859	3.013417	3.173121	3.253801	2.866919	2.784842	3.021085
SAMD9L	ENSG0000	0.67253	3.892478	6.769858	2.83E-06	4.85E-05	4.570504	1.959273	1.978677	1.585853	2.887595	2.71237	2.675323	2.752438	2.596487	2.530983	5.389369	5.682972	5.513751	5.487516	5.589628	5.517157	6.064643	6.166201	6.220906
ZFAS1	ENSG0000	0.031016	5.076193	0.407664	0.68847	0.777191	-7.13597	5.370952	5.421814	5.303557	5.180897	5.166794	5.097889	5.233498	5.088621	5.363523	5.096306	5.186564	4.842989	4.682014	4.770624	4.76576	5.201172	5.248648	5.144062
PAWR	ENSG0000	-0.37806	6.178539	-2.68133	0.015514	0.041224	-4.20431	6.698275	6.699788	6.63065	6.386177	6.225857	6.302701	6.192541	6.145542	6.126365	5.927333	5.823267	5.865347	6.543836	6.588979	6.50991	5.680829	5.699745	5.547215
TGIF1	ENSG0000	0.027938	6.605374	0.200735	0.843223	0.894002	-7.38407	7.374733	7.439895	7.39947	7.144775	7.095172	7.093417	7.519993	7.444224	7.51729	5.754507	5.699809	5.742345	6.289208	6.276858	6.351966	5.737977	5.635678	5.694596
MIEF2	ENSG0000	-0.3132	3.90463	-2.58497	0.018978	0.048252	-4.05251	3.975752	3.99909	4.087767	3.290819	3.378481	3.349911	3.523527	3.102941	3.218306	4.382206	4.390842	4.554757	4.670733	4.612034	4.550681	4.315393	4.495561	4.242679
NAP1L5	ENSG0000	0.473244	3.018536	3.441835	0.003011	0.011266	-2.03808	2.345296	2.09705	2.018628	3.674639	3.225109	3.306732	2.779728	3.122225	2.959482	3.385609	3.21391	3.393562	3.794228	3.852467	3.916269	3.617041	3.37582	3.669942
NR2C2	ENSG0000	0.038558	5.305823	0.480732	0.636669	0.73521	-7.14366	5.160214	5.137514	5.231457	5.307999	5.431202	5.556848	5.502797	5.327507	5.485906	5.395984	5.584869	5.39832	5.250459	5.243641	5.215244	5.394346	5.251241	5.302602
ACOT4	ENSG0000	-0.56415	2.381412	-4.32834	0.00043	0.002393	-0.13794	2.109269	2.283367	2.109199	2.143217	1.909591	1.799787	1.160105	1.605065	1.727075	3.980092	3.896014	3.937488	2.902055	3.301515	3.225499	3.516101	3.562824	3.432977
CAVIN1	ENSG0000	-0.44386	7.380346	-1.42242	0.172507	0.272488	-6.43959	9.800598	9.782244	9.822852	8.076257	8.20452	8.086124	8.789371	8.727533	8.763476	5.42646	5.446069	5.629067	6.243301	6.181237	6.308779	6.011333	5.970753	5.843128
ARIH2	ENSG0000	0.070706	6.848425	1.999035	0.0614	0.122054	-5.5878	6.726412	6.67264	6.680735	6.699426	6.693695	6.766914	6.848198	6.778157	6.85441	6.94566	7.014503	6.986165	6.915218	6.944829	6.973399	6.922433	7.066833	7.014873
ZBTB33	ENSG0000	0.129387	5.820976	3.05742	0.006955	0.02181	-3.42249	5.409064	5.447111	5.359981	5.626427	5.707014	5.759919	5.65424	5.698992	5.612649	6.048447	6.045033	6.024198	6.143802	6.237886	6.231428	6.064643	6.069581	6.116712

ZBED2	ENSG0000	0.819785	0.766218	5.915858	1.51E-05	0.000176	2.990075	0.106501	0.106501	0.106501	0.258133	0.25478	0.2349	0.106501	0.253663	0.256032	4.945135	4.959326	5.052059	4.238165	4.132949	4.088533	5.799099	5.751959	5.675793
IRX3	ENSG0000	0.550829	3.080236	3.800321	0.00137	0.006016	-1.46197	1.430644	1.277811	1.667608	2.425456	2.737798	2.652511	2.26554	2.220554	2.087859	4.295234	4.558991	4.503642	4.298046	4.450973	4.440084	4.956223	4.968764	4.753714
RPRM	ENSG0000	-0.25768	0.293969	-1.00175	0.330134	0.450176	-5.75532	0.587539	0.736739	0.421314	0.258133	0.730585	0.830331	0.670238	0.387194	0.833554	1.704765	2.155072	1.951531	2.579013	2.824271	2.858649	1.708352	1.581179	1.739782
SLC25A22	ENSG0000	1.544834	5.418124	12.14601	5.97E-10	7.74E-08	13.11873	3.919992	4.080378	4.301326	6.041444	6.354709	6.006972	5.764215	5.575011	5.709835	4.748949	4.623947	4.77868	5.988911	5.929373	5.937812	6.239922	6.18124	6.077854
RABEP2	ENSG0000	0.195244	4.24164	2.668002	0.015954	0.042112	-3.87799	4.25866	3.952741	4.1812	4.487626	4.795153	4.622128	4.302704	4.080322	4.288067	3.956418	3.997554	4.108233	4.715338	4.608219	4.577054	4.203908	4.395944	4.223386
ATOX1	ENSG0000	-0.02708	5.704468	-0.29937	0.768186	0.837321	-7.26718	5.585841	5.587707	5.434857	5.827747	5.896744	5.727543	5.56294	5.666521	5.650287	5.556156	5.56479	5.660978	6.327426	6.322974	6.34869	5.494399	5.460717	5.523749
TBL1XR1	ENSG0000	0.568802	5.991736	9.128828	4.58E-08	2.03E-06	8.638939	4.794334	4.925889	4.954444	5.772136	5.77614	5.892383	5.473848	5.81612	5.706591	6.20983	6.229112	6.146848	6.844188	6.946341	6.935317	6.594007	6.579266	6.721381
SAMD12	ENSG0000	0.095984	2.668616	0.875894	0.392966	0.514668	-6.70089	1.475543	0.940485	0.964748	1.022291	0.92021	0.830331	1.317361	1.231675	0.833554	4.908591	5.135498	4.835713	5.917927	5.898468	6.011491	4.972643	5.066252	5.140638
C18orf32	ENSG0000	0.555121	1.333283	2.35473	0.030457	0.069991	-3.77582	1.861169	1.849715	1.853768	2.255624	2.490996	2.098749	2.412257	2.357042	2.471058	0.982259	1.265082	1.277453	1.858352	2.250257	2.058312	1.099384	1.368306	1.81044
PIDD1	ENSG0000	-0.54317	3.385153	-3.97022	0.000943	0.004466	-0.9817	3.86199	3.855322	3.922756	3.325575	3.112982	3.200652	3.178682	2.753138	3.044176	3.730807	3.626949	3.784665	3.956313	3.779712	3.933868	3.324713	3.579432	3.487904
RPLP2	ENSG0000	0.264062	8.484758	6.500456	4.75E-06	7.20E-05	3.701604	8.632297	8.605778	8.613053	8.732555	8.788487	8.64645	8.801072	8.832977	8.855703	8.031092	8.020931	8.057647	8.328635	8.393101	8.414861	8.367627	8.357323	8.322417
HASPIN	ENSG0000	0.224539	2.65701	1.078459	0.295489	0.414196	-6.05623	3.662849	3.647938	3.819232	2.791417	3.207016	2.961768	4.090259	4.090149	3.968647	2.906434	2.946841	3.101662	1.186687	1.120667	0.910419	3.001034	3.046116	2.84714
JUN	ENSG0000	-0.80609	6.616173	-3.18414	0.005285	0.01765	-3.27052	7.119328	6.988172	7.182836	5.077635	5.208315	4.98829	5.736627	5.423907	5.709835	7.277807	7.332138	7.57106	7.534322	7.584777	7.536346	7.142189	7.0902	6.928161
CSTF2T	ENSG0000	-0.02985	6.122845	-0.48017	0.637064	0.735427	-7.25299	6.54082	6.669061	6.640807	6.560435	6.362903	6.462058	6.704294	6.690439	6.59318	6.035795	5.796904	5.850985	5.338642	5.518239	5.495593	5.739577	5.764723	5.85153
GBA	ENSG0000	0.760832	6.608142	6.378782	6.02E-06	8.65E-05	3.657762	6.317027	6.311696	6.37633	8.433214	8.338847	8.3974	7.16128	7.193836	7.230386	5.33073	5.376563	5.341234	6.578205	6.491907	6.54755	5.943536	5.956519	5.954574
CASC2	ENSG0000	-0.10677	1.01145	-0.60512	0.552876	0.663208	-5.98242	2.165157	2.152784	2.138168	1.688986	1.909591	2.029614	1.762502	2.069791	1.918715	1.315703	1.265082	1.061592	1.121891	1.652223	1.390007	1.250674	1.206659	1.370407
ACAD9	ENSG0000	0.043064	5.303439	0.850608	0.40649	0.528396	-6.89019	5.173901	5.269425	5.309937	5.408686	5.326156	5.441817	5.319693	5.314991	5.321722	5.235589	5.374467	5.454817	5.343978	5.366162	5.341488	5.471474	5.276925	5.383047
IL17RA	ENSG0000	0.405064	4.353024	5.328598	5.05E-05	0.000445	1.790948	4.450796	4.599733	4.611291	4.88719	4.807214	4.819357	4.956946	4.819999	4.91817	3.681119	3.668598	3.809637	4.420966	4.372183	4.423569	4.180538	4.167865	4.101878
PNPLA2	ENSG0000	-0.36897	5.985818	-2.64313	0.016808	0.043846	-4.22854	6.683998	6.786028	6.828017	6.359172	6.68228	6.4069	6.29303	6.15961	6.338259	5.328427	5.265591	5.531872	5.963711	6.006758	6.069697	5.31071	5.211838	4.977487
AGTRAP	ENSG0000	0.443151	5.12082	3.430095	0.00309	0.011497	-2.46923	5.307177	5.306756	5.228093	5.346585	5.3917	5.324049	5.764215	5.767957	5.785592	4.545816	4.378346	4.441093	5.267409	5.341097	5.28547	4.811595	4.930438	4.749225
CD163L1	ENSG0000	-0.23601	4.189425	-1.30981	0.207217	0.313678	-6.3181	4.059241	4.256058	4.109872	2.48816	2.333126	2.429135	4.101117	3.946081	3.968647	5.22076	5.113047	5.191584	4.968945	5.117812	5.171406	4.996928	4.90431	4.910709
SRRM3	ENSG0000	0.348538	2.331143	1.513972	0.147907	0.241975	-5.32051	2.589523	2.49222	2.423483	3.944346	3.747367	3.964146	2.545421	2.938616	2.869505	2.056133	2.032826	2.055402	2.225168	2.363215	2.141451	2.283004	2.447571	2.119598
THAP5	ENSG0000	0.091473	4.560022	1.452556	0.164064	0.262116	-6.01766	5.071598	5.081176	5.025938	4.971905	4.998178	4.960699	5.188389	5.368459	5.18386	4.146251	4.223947	4.16352	4.028794	4.24529	4.139984	4.083081	4.258317	4.122853
CRACR2B	ENSG0000	0.039055	3.057937	0.28897	0.776003	0.842948	-6.7375	2.867343	2.748839	2.865896	2.864145	3.033076	2.629332	2.513265	2.451551	2.723053	3.17611	3.356645	3.663876	4.264669	4.122289	4.306856	3.52355	3.698248	3.509302
NAALADL2	ENSG0000	-0.1013	2.073189	-1.269	0.221082	0.330799	-5.94456	1.010037	1.226787	1.028027	1.578054	1.2379	1.714252	1.074544	0.915275	1.01237	3.744695	3.805572	3.608031	4.521727	4.398927	4.431851	3.567454	3.595851	3.734962
CD151	ENSG0000	0.272056	8.083826	4.523173	0.000282	0.001703	-0.41467	8.433649	8.353795	8.457976	9.04986	9.175377	9.075513	8.874107	8.81346	8.91559	7.211227	7.110182	7.223007	7.812606	7.658567	7.706408	7.277206	7.261433	7.212088
POLR2L	ENSG0000	0.005842	6.849021	0.081287	0.936138	0.958755	-7.42601	7.794091	7.731147	7.841674	7.581237	7.695936	7.492287	7.803719	7.71183	7.881884	5.896563	5.864171	6.093958	6.114958	6.091177	6.11025	6.03498	5.9786	5.84102
FAM20C	ENSG0000	-0.23183	2.947975	-0.78916	0.440591	0.561602	-5.99709	5.772833	5.770277	5.945657	6.717532	6.973352	6.776177	5.643139	5.416115	5.463015	0.669294	0.799097	0.807652	1.121891	0.888753	0.910419	1.354562	1.513652	0.872651
NECTIN3	ENSG0000	0.046365	4.508937	0.486046	0.632972	0.732114	-6.99243	4.066597	3.944869	3.897563	4.525489	4.258538	4.537503	4.536652	4.373746	4.475104	4.839091	4.784095	4.847819	5.056064	5.098907	5.215244	4.657623	4.580516	4.656368
TMEM94	ENSG0000	0.111117	6.126147	1.918271	0.071563	0.137571	-5.61807	5.897683	5.792378	5.906203	6.396431	6.385201	6.358386	6.040078	6.012346	6.054173	5.969338	5.911195	5.8878	6.778045	6.664398	6.64337	5.968311	5.994168	6.000631
FLII	ENSG0000	-0.06169	7.881432	-0.82642	0.419704	0.541275	-7.21481	7.745079	7.686409	7.837264	7.686095	7.77175	7.684456	7.459048	7.401454	7.444174	7.914605	7.931098	7.95114	8.446809	8.359739	8.396732	8.124792	8.070238	8.070885
SOX12	ENSG0000	0.282022	5.187566	1.539889	0.141496	0.233607	-5.9557	5.509634	5.562207	5.676178	6.1997	6.348532	6.150238	5.937792	5.653324	5.748211	3.730807	4.024536	3.92383	5.612171	5.674166	5.678967	4.365992	4.298997	4.163911
HNRNPA0	ENSG0000	-0.1762	8.055489	-2.50368	0.022461	0.055157	-4.76149	8.39217	8.414192	8.446803	7.628977	7.706439	7.616095	8.114242	8.036094	8.106519	8.111334	8.121832	8.269339	7.92992	7.900024	7.900896	8.204579	8.16062	8.040893
AC025171.	ENSG0000	1.443979	0.973999	5.841317	1.76E-05	0.000197	3.035868	1.384302	1.277811	1.453818	3.06262	3.394558	3.231764	2.696258	2.702788	2.892531	0.54782	0.583785	1.027938	1.27873	1.528499	1.209118	0.974502	0.871168	1.058313
AL162595.	ENSG0000	0.11895	1.262865	0.781718	0.444842	0.565754	-6.07	1.286899	1.420874	0.898566	1.578054	1.556428	1.475193	1.240874	1.15884	1.171446	2.14259	2.575707	2.152295	2.466086	2.21055	2.294605	2.400938	2.295039	2.528753
TENM3-AS	ENSG0000	0.712699	1.037686	1.919147	0.071445	0.137382	-4.39988	2.245129	2.37994	2.812981	4.227693	4.091068	4.009735	3.238915	3.285084	3.124172	0.483018	0.799097	0.807652	0.656707	0.550009	0.404558	0.63264	0.759002	0.659518
CHID1	ENSG0000	0.08872	6.445685	1.699974	0.106861	0.188323	-6.02116	6.191444	6.257117	6.229267	6.585745	6.677361	6.618851	6.462596	6.391864	6.435535	6.448088	6.410864	6.505084	6.69278	6.504276	6.588868	6.535341	6.429295	6.365783
PCDHB9	ENSG0000	0.438647	0.185122	2.521728	0.021639	0.053489	-3.50386	0.318509	0.215206	0.219246	0.934951	0.730585	0.909432	0.415731	0.387194	0.39151	2.01088	2.011405	1.933468	2.812503	2.612083	2.870883	2.192442	2.124453	2.302316
ZNF620	ENSG0000	-0.06775	2.417502	-0.65519	0.520874	0.635227	-6.48745	2.296082	2.068355	2.138168	1.74141	1.612488	2.196611	2.376953	2.147141	2.440135	3.340597	3.447177	3.419749	3.228726	3.065945	3.253801	3.281432	3.104657	3.432977
ZNF518A	ENSG0000	-0.10978	4.615356	-1.59059	0.129626	0.218545	-5.90222	4.522086	4.673038	4.626705	4.472198	4.360275	4.639633	4.583863	4.734864	4.520155	4.945135	5.011508	4.803754	4.656506	4.872735	4.523816	4.714053	4.73304	4.762652
TMEM187	ENSG0000	-0.25679	2.894593	-1.95963	0.066184	0.129415	-4.81182	3.747663	3.347134	3.544167	3.376187	3.31232	3.59692	3.423261	3.178579	3.271973	2.749986	2.531245	2.786535	3.057395	3.272884	2.918805	2.509956	2.568968	2.442395
SVBP	ENSG0000	-0.47491	3.280673	-5.04545	9.18E-05	0.000708	1.323046	3.603403	3.494617	3.419917	3.162124	2.970101	3.292047	2.667326	2.676938	2.869505	3.950439	3.830249	3.834184	3.60569	3.738425	3.837423	3.501087	3.659719	3.669942
ZNF619	ENSG0000	0.098055	2.757794	0.983467	0.338797	0.45992	-6.20272	2.589523	2.870177	2.794903	2.661411	2.398361	2.904994	2.545421	2.676938	2.892531	3.047564	3.175905	3.035461	3.360948	3.401888	3.326666	3.209363	3.138674	3.387478
AP3S1	ENSG0000	0.055662	6.845629	0.430241	0.672279	0.764053	-7.40217	6.295276	6.27135	6.18657	5.848808	5.800478	5.804577	6.192541	6.121786	6.145661	7.344304	7.328894	7.464632	7.976762	8.019376	8.06628	7.567596	7.53326	7.522742
GRB2	ENSG0000	0.079193	7.827546	2.362487	0.029982	0.0691	-5.01628	7.519113	7.557483	7.520613	7.609718	7.579461	7.508258	7.673374	7.698241	7.664177	8.052535	8.004423	8.103048	8.093042	8.114556	8.08904	8.092601	8.108647	8.027051
ZBTB41	ENSG0000	-0.33762	5.708478	-2.06764	0.053809	0.109931	-5.27704	6.764225	6.797001	6.865312	5.772136	5.847955	5.775839	6.579794	6.535438	6.369368	5.1881	5.179378	5.212332	5.240955	5.310903	5.330457	4.847651	4.780497	4.926702
UBE2N	ENSG0000	0.087547	7.190927	2.434843	0.025874	0.061646	-4.8267	7.193433	7.170515	7.105186	7.077547	6.940877	6.961592	7.271123	7.268217	7.318037	7.28198	7.275421	7.24743	7.16127	7.20121	7.186602	7.275001	7.324983	7.36002
ARL6IP6	ENSG0000	0.024554	4.649246	0.286663	0.777741	0.844311	-7.13924	4.859306	4.852052	4.954444	4.009923	3.99943	4.045196	4.758625	4.771967	4.776822	4.886838	4.878812	4.959141	4.49639	4.837324	4.56581	4.914336	5.060349	5.140638
ZNF354C	ENSG0000	-0.18208	2.812339	-2.63783	0.016996	0.044221	-3.90701	1.959273	2.09705	2.221741	1.578054	1.612488	1.367251	1.966276	2.147141	1.564539	4.630531	4.54415	4.518865	4.126992	4.122289	4.169997	4.394709	4.338561	4.483349
MAMDC4	ENSG0000	0.126282	1.376669	0.725063	0.478009	0.597061	-5.98647	1.519087	1.374745	1.62731	2.325974	2.366112	2.5075	2.102195	1.760835	2.005764	1.732907	1.8028	1.839597	2.044674	2.06228	1.900186	1.542275	1.547811	1.665483
CENPBD1	ENSG0000	0.137156	4.742909	2.348873	0.03082	0.070677	-4.66086	4.532747	4.412648	4.43574	4.720913	4.416469	4.616245	4.520565	4.59002	4.444269	4.968993	4.981528	5.024594	5.071159	5.149657	5.023089	5.284643	5.182242	5.000336
BET1L	ENSG0000	0.047034	6.318164	0.614397	0.546868	0.657936	-7.19644	6.315484	6.370174	6.309455	6.958031	6.987996	6.947605	6.44991	6.331009	6.383659	6.115449	5.992705	6.053763	6.238533	6.147463	6.220714	6.13076	6.115856	6.000631
RPS27	ENSG0000	0.15826	8.864385	3.51846	0.002546	0.009842	-2.69344	8.824337	8.799094	8.735401	9.131925	9.118133	9.045457	9.034932	8.949233	9.061145	8.746254	8.738628	8.579002	8.737291	8.884204	8.895586	8.713303	8.775087	8.847885
RIC8A	ENSG0000	0.075192	6.738404	1.864099	0.079194	0.14932	-5.78796	6.81096	6.910477	6.912188	6.960797	7.027194	7.02513	7.012497	6.866575	6.88487	6.544525	6.415968	6.554672	6.653204	6.518574	6.619099	6.603703	6.616959	6.606939
IMP3	ENSG0000	0.265384	6.147671	2.844169	0.010991	0.031341	-3.90067	5.699026	5.738755	5.776322	6.261586	6.399213	6.315464	6.025902	5.996758	6.280514	6.126099	6.177154	6.402125	6.217367	6.173513	6.207511	6.49707	6.413172	6.331655
ASB8	ENSG0000	0.504293	4.577164	4.821328	0.000148	0.001031	0.647115	4.363907	4.377991	4.547936	4.821743	4.84865	4.859751	5.147073	5.192623	5.325957	4.227618	4.361514	4.079775	4.580176	4.725555	4.76248	4.46216	4.38181	4.45606
ODF3B	ENSG0000	0.378765	2.046785	1.94068	0.068602	0.133066	-4.64338	2.165157	2.425906	2.446827	2.933382	3.188693	3.051692	2.144798	2.420731	2.892531	1.423238	1.922393	2.213454	2.300295	2.084417	2.497588	2.300453	2.354144	2.174206
LRRC75B	ENSG0000	0.336872	1.787676	2.667525	0.01597	0.042146	-3.38711	1.069823	1.002471	1.406977	2.021307	2.460774	2.196611	1.648695	1.001115	1.244857	2.320032	2.303453	2.460504	3.819988	3.846002	3.693316	2.597261	2.755911	2.649309
DMAP1	ENSG0000	-0.00517	4.32212	-0.09041	0.928989	0.95349	-7.02103	4.516725	4.501192	4.574673	4.576883	4.573001	4.580436	4.681143	4.474723	4.563842	4.182415	4.127684	4.175097	4.414217	4.407733	4.394205	4.098126	4.128907	4.150354
CALHM5	ENSG0000	-0.42209	-1.03051	-0.70724	0.488743	0.606427	-5.59458	1.719036	1.670392	1.744977	3.647423	3.410458	3.828257	1.240874	1.549165	1.171446	0.269074	0.259702	0.106501	0.171976	0.190544	0.106501	0.183756	0.106501	0.214669
IMPDH2	ENSG0000	-0.11598	8.08649	-2.74301	0.013623	0.037242	-4.28614	8.148374	8.169764	8.143952	7.919429	7.924197	7.991018	7.836577	7.921056	7.929975	8.225606	8.175784	8.226171	8.139304	8.140542	8.106281	8.236375	8.165441	8.25593
ALS2CL	ENSG0000	-0.26446	3.771267	-1.39275	0.18116	0.282924	-6.11511	3.443098	3.461896	3.347346	2.791417	2.520598	2.346268	1.816207	2.108984	2.34318	4.992463	5.035583	4.737631	5.84578	5.548415	5.677227	4.723786	4.956102	5.059556
MLF1	ENSG0000	0.044288	4.165155	0.360239	0.722985	0.803737	-7.04858	3.719942	3.786518	3.726899	3.273122	3.410458	3.27721	3.238915	3.285084	3.289427	4.806358	4.866934	4.714017	5.284162	5.546423	5.430962	4.902958	5.106916	5.019105
NDUFAF3	ENSG0000	0.166328	5.8842	2.429666	0.026149	0.062198	-4.67876	5.675165	5.785783	5.769395	5.971842	6.184845	6.09843	6.114309	5.882654	5.94827	5.735507	5.901039	5.915671	5.835713	5.818179	5.889024	6.071011	5.962863	5.809023
C2orf69	ENSG0000	-0.38243	5.067417	-5.24616	6.01E-05	0.000507	1.438478	5.411954	5.477439	5.47515	5.190356	5.008661	5.033133	4.80585	4.944392	5.107194	5.402569	5.312323	5.386751	4.718081	4.679032	4.814076	5.170659	5.054421	5.022829
GRAMD1C	ENSG0000	0.105282	1.155421	0.328209	0.746653	0.822028	-6.39906	1.286899	1.061904	1.202741	0.841981	0.389229	0.657796	1.525136	2.029503	1.314712	1.91588	2.372288	2.409144	3.157774	2.950162	3.206318	2.135245	2.212266	2.252429
STAP2	ENSG0000	0.332354	2.362249	2.940817	0.008939	0.026576	-3.35827	0.882475	0.940485	1.406977	0.742604	0.625525	1.055701	1.389995	0.726566	0.833554	4.417313	4.547875	4.703397	5.463201	5.393017	5.317108	4.996928	4.874338	4.874064
TSSK6	ENSG0000	0.021475	0.413745	0.077229	0.939319	0.961352	-6.04918	1.719036	1.374745	1.818408	1.457877	1.612488	1.310092	1.525136	1.549165	1.01237	0.54782	0.848253	1.061592	1.365252	1.393161	1.284217	1.017342	1.072305	0.999041
BOLA1	ENSG0000	-0.20358	3.463396	-2.12439	0.048183	0.100729	-4.80097	3.420312	3.248262	3.454879	3.290819	3.188693	3.086148	2.981245	3.083395	2.915195	3.87036	4.051023	4.231625	4.131114	3.946112	4.062102	4.151986	4.005291	3.660409
PDE4DIP	ENSG0000	0.14738	5.52885	1.736732	0.100025	0.178843	-5.84366	4.753899	4.742796	4.58523	5.714295	5.554381	5.788972	4.779054	4.644388	4.674259	5.8427	5.881985	5.795814	6.39668	6.430582	6.443887	6.098704	5.973897	6.056209
DDX10	ENSG0000	-0.14639	6.255384	-0.98575	0.337704	0.458661	-6.92663	6.78109	6.722987	6.71719	5.677771	5.473441	5.622881	6.56222	6.519163	6.691642	6.26025	6.272527	6.368068	6.266905	6.16834	6.331088	6.18696	6.159313	6.176453
NDUFV2	ENSG0000	0.199728	0.04491	0.675229	0.508365	0.623953	-5.87493	1.12723	1.118985	1.146821	0.395333	0.828511	0.657796	1.525136	2.029503	1.918715	1.555182	1.228418	1.333627	0.5125	0.550009	1.002253	1.099384	0.924142	1.115245
DALRD3	ENSG0000	-0.03317	4.790293	-0.26957	0.79065	0.854231	-7.11164	4.735558	4.769782	4.652033	4.681208	4.842803	4.788301	4.504297	4.747338	4.3476	4.645413	4.771408	4.657367	5.709096	5.522299	5.532641	4.723786	4.864208	4.708177
ZNF114	ENSG0000	-0.52826	2.493726	-2.30435	0.033717	0.076072	-4.34043	1.286899	1.883052	1.921989	2.291228	2.333126	2.5075	1.762502	2.069791	1.727075	4.256985	4.274276	4.15185	2.83289	3.272884	3.042931	3.538334	3.467897	3.631427
ZNF518B	ENSG0000	-0.00803	5.050545	-0.15614	0.877714	0.918334	-7.22844	4.909255	4.885335	4.904734	4.790984	4.635214	4.809079	4.877071	4.802174	4.726452	5.393783	5.40559	5.217939	5.416688	5.379652	5.418515	5.378002	5.377692	5.394592
SPINK6	ENSG0000	0.214119	-1.5933	0.623378	0.541087	0.652999	-5.63424	1.826927	1.591918	1.706811	1.74141	1.666451	1.799787	2.144798	1.85606	1.962896	0.190076	0.106501	0.106501	0.106501	0.190544	0.186984	0.106501	0.106501	0.106501
LCORL	ENSG0000	0.107105	4.244868	0.799459	0.434755	0.555855	-6.6886	4.245758	4.15733	4.288462	4.654117	4.416469	4.679672	4.80585	4.753535	4.831463	4.455814	4.318554	4.293123	3.95166	3.884362	3.939687	3.940112	4.083055	4.122853
PARD6G	ENSG0000	-0.07766	1.282905	-0.42407	0.67669	0.7676	-6.10096	2.798329	2.748839	2.681399	2.359902	2.333126	2.196611	2.576877	2.623806	2.309357	1.158593	1.112482	0.993481	1.420179	1.2438	1.247156	1.13872	1.118494	1.504318
ZNF454	ENSG0000	0.176908	-0.49829	2.118903	0.048702	0.101577	-4.56017	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.206534	3.232543	3.172678	3.593793	3.622174	3.856005	3.26375	3.449945	3.279535
SH2B1	ENSG0000	-0.03571	5.85716	-0.29292	0.773029	0.840991	-7.28308	6.171116	5.99083	6.111867	5.935739	6.133083	6.044692	6.360105	6.219034	6.367315	5.610256	5.573951	5.554208	6.036929	5.907809	5.955152	5.295562	5.266706	5.368484
POGLUT3	ENSG0000	0.302928	5.339222	2.705225	0.014753	0.039543	-4.02336	5.37392	5.441528	5.555197	6.041444	5.93572	5.965928	5.946849	5.994144	5.991568	5.004057	5.113047	4.990056	4.676384	4.770624	4.752597	5.105146	5.018332	5.123395
PLEC	ENSG0000	-0.35284	9.73161	-1.74148	0.09917	0.177693	-6.23087	9.76614	9.769905	9.997519	8.720363	9.040756	8.8428	8.663168	8.527805	8.629409	10.00849	10.26916	10.22065	10.4302	10.34484	10.44104	10.62617	10.55106	10.35561
RNF212	ENSG0000	0.053345	2.500525	0.808623	0.429602	0.550997	-6.81679	0.947665	0.8079	0.598525	0.841981	0.828511	0.461789	0.782422	0.915275	1.171446	5.552212	5.575777	5.454817	5.471352	5.453801	5.499538	5.515099	5.607615	5.554952
ZNF543	ENSG0000	-0.40802	2.366609	-3.92201	0.001049	0.004862	-0.92527	2.461454	2.448351	2.700947	2.359902	2.264801	2.132113	2.01302	1.901414	1.826075	3.284659	3.204502	3.018425	3.165832	2.913535	3.085545	2.946659	2.881762	3.006111
GALNT11	ENSG0000	0.002519	5.661933	0.049247	0.961281	0.975249	-7.2477	6.413925	6.371643	6.225897	6.603556	6.596274	6.623257	6.391403	6.403733	6.369368	4.930021	4.922503	4.859824	5.04081	5.24855	4.998211	4.882828	4.787661	4.849107
WDR6	ENSG0000	-0.10598	7.071392	-1.73608	0.100143	0.17903	-6.05295	6.645222	6.582925	6.711178	6.327371	6.393224	6.322707	6.670066	6.682341	6.706336	7.696159	7.68189	7.709513	7.659803	7.579915	7.652509	7.519978	7.481735	7.4746
GEN1	ENSG0000	-0.115	4.918241	-0.66353	0.515646	0.630524	-6.93221	5.646	5.499103	5.429007	5.647184	5.317749	5.605169	5.574674	5.450851	5.489686	4.942125	4.987026	4.83328	3.640803	3.717329	3.65138	4.609434	4.668528	4.815144
TMPRSS9	ENSG0000	-0.23004	-0.09586	-0.92911	0.36549	0.487331	-5.98467	0.216396	0.316291	0.323815	0.106501	0.730585	0.461789	0.269385	0.253663	0.106501	2.918737	2.779525	2.806521	2.044674	2.398985	2.433049	2.924322	2.618024	2.48622
AQP11	ENSG0000	-0.31137	0.766167	-1.85455	0.080612	0.151427	-4.59672	1.069823	1.226787	1.499186	1.688986	1.307481	1.422231	1.459147	1.082132	1.171446	1.732907	1.588084	1.800268	1.711947	1.766169	1.639204	1.387593	1.613793	1.170016
TMEM11	ENSG0000	-0.04517	5.446656	-0.86006	0.4014	0.523069	-6.90622	5.720169	5.699529	5.648759	5.521661	5.600158	5.477948	5.733141	5.774066	5.629879	5.512178	5.448064	5.539356	5.079714	5.029288	5.068941	5.469547	5.365774	5.33891
ZNF354B	ENSG0000	0.165505	3.391886	1.678128	0.111112	0.19399	-5.46008	3.373632	3.347134	3.359697	3.441022	3.295295	3.572823	3.814892	3.798055	3.721038	3.552807	3.709078	3.339716	3.513977	3.544454	3.615478	3.358427	3.503143	3.650813
KCNG2	ENSG0000	0.599628	0.308085	2.022721	0.058676	0.117691	-4.14571	1.681202	1.780637	1.667608	2.359902	2.71237	2.429135	2.26554	2.220554	2.560038	0.415169	0.462741	0.397516	0.828978	1.393161	0.910419	0.457048	0.504542	0.315289
ZFAND2A	ENSG0000	-0.36723	4.855527	-5.32329	5.11E-05	0.000448	1.654163	5.636146	5.678322	5.600136	5.087795	4.831037	5.046319	5.152303	5.132077	5.283036	4.992463	4.696209	4.968042	4.085116	4.116929	4.184772	4.60593	4.588743	4.680149
PLEKHM3	ENSG0000	-0.19955	1.682309	-0.97968	0.340609	0.461497	-5.89738	2.438959	2.283367	2.138168	1.888135	2.03796	1.623325	1.816207	2.290412	1.777424	1.98771	2.212518	1.858866	2.329284	2.416542	2.618601	1.734264	2.254246	1.973284
FAM220A	ENSG0000	-0.09113	4.496266	-1.42692	0.171225	0.270913	-6.09477	4.393455	4.446492	4.498524	4.540361	4.493129	4.543715	4.225415	4.109604	4.103038	4.696324	4.620414	4.735026	4.878679	4.777434	4.882136	4.802439	4.588743	4.775955
DNAJC22	ENSG0000	-0.09405	3.47158	-0.52765	0.604379	0.706862	-6.77165	2.609804	2.49222	2.138168	3.54791	3.643567	3.548316	2.412257	3.178579	3.181386	4.489195	4.369954	4.425022	4.163669	4.293598	4.359898	4.078031	4.100421	4.163911
BEND3	ENSG0000	-0.00826	4.244189	-0.09663	0.924117	0.949996	-7.0743	4.271448	4.324392	4.470324	4.020568	4.040879	4.045196	3.916741	4.019913	4.021828	4.634266	4.498689	4.503642	4.275881	4.367677	4.179864	4.758922	4.744131	4.703543
NT5DC1	ENSG0000	-0.17691	5.323295	-2.3691	0.029583	0.068434	-4.66626	6.086809	6.006041	5.955863	5.724097	5.700562	5.705548	5.601686	5.807211	5.729151	4.920876	4.851948	4.835713	5.012045	4.997558	5.066284	4.847651	4.751478	4.918728
GLDC	ENSG0000	-0.62746	2.265422	-2.19893	0.041611	0.089824	-4.1371	4.445163	4.435299	4.453135	4.815644	4.720591	4.960699	3.719464	3.833587	3.808383	1.616888	1.335727	1.514616	0.828978	0.784432	0.862212	1.214313	1.368306	1.170016
COX14	ENSG0000	-0.39247	4.460297	-5.98881	1.30E-05	0.000157	3.10323	4.762983	4.663476	4.504099	4.532944	4.662026	4.562192	3.976929	4.194045	4.132351	4.588795	4.702905	4.657367	4.755939	4.840579	4.823548	4.438712	4.414575	4.280507
MCMDC2	ENSG0000	-0.33203	0.175617	-1.24832	0.228379	0.339045	-5.55539	0.503316	0.8079	0.598525	0.635873	0.389229	0.461789	0.548589	0.622068	0.106501	2.243849	2.303453	2.522234	2.112949	2.381211	1.550722	2.154563	2.233409	2.374055
TUBAL3	ENSG0000	0.070813	-0.54435	0.127365	0.900105	0.933736	-5.82093	1.861169	2.009193	2.079636	1.393812	1.437317	1.993763	1.816207	2.147141	2.127218	0.269074	0.185134	0.16959	0.407676	0.671977	0.910419	0.257084	0.358227	0.106501
P4HTM	ENSG0000	0.0765	5.956156	1.122127	0.276988	0.39442	-6.70837	5.731782	5.883735	5.933314	6.510332	6.474882	6.394924	5.937792	5.836697	5.875015	5.761354	5.739435	5.815673	6.077005	5.986328	6.06038	5.919739	5.904743	5.802537
DTX3	ENSG0000	0.107734	3.21355	1.441181	0.16721	0.265979	-5.85253	2.725848	2.55562	2.900124	2.887595	2.737798	2.845893	2.724622	2.596487	2.670735	4.054455	3.866492	3.804677	4.085116	4.15926	4.072733	3.994729	3.967936	4.229846
KLHL11	ENSG0000	-0.05864	2.282698	-0.50388	0.62064	0.721084	-6.40387	2.629805	2.853456	2.830836	2.548252	2.490996	2.374422	2.832807	2.777669	2.643847	2.650221	2.674414	2.510098	2.193986	2.190279	2.312654	2.554269	2.190809	2.912845
CTXN1	ENSG0000	0.726254	3.064632	3.65579	0.001883	0.007718	-1.48133	1.755904	1.849715	1.62731	4.765896	4.860273	4.690911	2.340763	2.451551	2.202855	2.543041	2.66072	2.930089	4.905394	4.938017	4.935528	3.574643	3.204393	3.079476
SLC25A20	ENSG0000	-0.13517	4.297645	-1.21401	0.240892	0.353386	-6.24403	4.548594	4.490417	4.418131	5.009799	4.770725	4.965334	4.765467	4.77806	4.592248	4.109157	4.107636	4.335006	4.147483	4.1851	4.351192	3.70484	3.713375	3.753014
CA8	ENSG0000	0.313228	-0.32396	0.960194	0.350054	0.47116	-5.47547	3.325391	3.461896	3.24453	2.955742	2.71237	2.455733	3.586698	3.833587	3.543305	0.190076	0.259702	0.16959	0.171976	0.106501	0.106501	0.183756	0.433238	0.106501
EPM2AIP1	ENSG0000	0.12951	5.044663	1.761839	0.095577	0.172557	-5.74677	3.936145	4.197635	4.301326	4.833866	4.758354	4.923071	4.274204	4.357565	4.505294	5.619706	5.665936	5.565981	5.779056	5.967096	5.947952	5.633422	5.724222	5.708538
MAF	ENSG0000	-0.7174	-0.08895	-2.03023	0.057836	0.116333	-4.2861	0.882475	0.8079	0.756332	0.934951	0.25478	0.746642	0.269385	0.387194	0.106501	1.352446	2.011405	1.585733	2.385571	2.039797	2.312654	1.599785	1.513652	1.416439
CTNNBIP1	ENSG0000	0.183617	4.83779	2.553092	0.020278	0.050912	-4.34374	4.245758	3.888531	4.109872	4.132759	4.204846	4.10523	4.079318	4.019913	4.08316	5.710958	5.646961	5.738449	5.490727	5.4665	5.384788	5.94631	5.901444	5.994954
ERN1	ENSG0000	0.304311	4.321327	4.39072	0.000376	0.002141	-0.24892	4.073915	4.014214	4.095173	4.605448	4.507984	4.690911	4.576101	4.247712	4.542164	4.242376	4.309807	4.12026	4.687622	4.446707	4.6463	4.406844	4.473517	4.422617
GPR35	ENSG0000	0.13248	1.22971	0.631872	0.535649	0.648084	-6.20425	1.010037	0.736739	0.829201	1.457877	1.373859	1.880533	1.389995	0.824004	1.171446	2.510897	2.674414	2.569785	2.371704	2.148862	2.497588	2.539649	2.634012	2.549558
PARP10	ENSG0000	0.220323	5.954598	2.734265	0.013877	0.037725	-4.14017	4.794334	4.817982	4.89628	5.0571	5.185395	4.874612	4.864381	4.722281	4.592248	6.848526	6.950521	7.089698	7.088423	7.022845	7.026995	7.347092	7.394677	7.175747
SUZ12	ENSG0000	-0.13673	6.432725	-2.54462	0.020638	0.05158	-4.54114	6.635362	6.619236	6.650893	6.361268	6.223609	6.384578	6.619984	6.524609	6.524823	6.63957	6.70578	6.680488	5.97522	6.009653	6.084218	6.520526	6.45989	6.48263
NSUN3	ENSG0000	0.08904	3.846525	0.454663	0.654948	0.751202	-6.75302	4.758449	4.809337	4.763138	3.966538	3.99943	4.178918	5.262806	5.136826	4.989319	3.265521	3.406729	3.332842	3.416036	3.292034	3.578659	3.209363	3.081525	2.863849
KCTD12	ENSG0000	0.488111	4.401857	3.315425	0.003971	0.014014	-2.68757	3.65311	3.450822	3.55495	4.132759	4.120365	4.194794	3.733489	3.564249	3.681923	5.029806	5.113047	5.093319	4.745223	4.777434	4.79173	5.74914	5.651473	5.610463
DHFR2	ENSG0000	0.414818	3.041372	3.904034	0.001091	0.005011	-1.0147	2.949211	2.982098	2.933559	3.408969	3.260629	3.459109	3.352323	3.40015	3.306673	2.722179	2.741	2.883807	3.635009	3.644697	3.805912	3.073871	3.171908	3.162857
RPP25	ENSG0000	0.238771	5.639784	1.608664	0.125603	0.213327	-6.07456	4.921476	5.091908	5.002498	5.601826	5.769991	5.688828	5.392213	5.404348	5.367637	6.037207	6.018435	6.245314	5.631211	5.587692	5.638396	6.356079	6.242485	6.074269
GRINA	ENSG0000	0.177833	8.30919	3.399708	0.003302	0.012092	-2.91716	8.233346	8.2406	8.30271	8.304104	8.477849	8.395683	8.319945	8.224099	8.342723	8.090754	8.003746	8.095961	8.504541	8.486718	8.521041	8.415957	8.354311	8.336328
THBD	ENSG0000	0.518758	-1.17923	1.57298	0.13365	0.223609	-4.74261	2.245129	2.470453	1.987129	2.714828	2.549605	2.557474	2.696258	2.451551	2.309357	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.183756	0.106501	0.214669
COX5A	ENSG0000	-0.12591	7.020392	-3.36023	0.0036	0.012943	-2.89495	7.521791	7.565847	7.541771	7.353896	7.394985	7.308419	7.430275	7.319242	7.438318	6.708509	6.745244	6.811122	6.450445	6.52567	6.506974	6.708723	6.583389	6.667675
ERFE	ENSG0000	0.551119	0.057249	1.211955	0.24166	0.354147	-5.26546	2.109269	2.283367	2.221741	1.978268	2.490996	2.557474	2.858632	2.650616	2.869505	0.7264	0.583785	0.683459	0.171976	0.106501	0.186984	0.789161	0.433238	0.580851
FAM219B	ENSG0000	0.176908	5.81762	2.340415	0.031352	0.071712	-4.83156	5.638616	5.666404	5.511583	5.887123	5.910785	5.882614	5.827697	5.899518	5.791729	5.587318	5.704822	5.616386	6.413698	6.261152	6.284978	5.734772	5.784554	5.791663
ZHX2	ENSG0000	0.453989	4.220379	2.429507	0.026158	0.062208	-4.38024	2.548084	2.534795	2.492412	4.863733	4.70778	4.798728	3.586698	3.3682	3.628063	4.685565	4.623947	4.798774	5.564203	5.395233	5.441254	4.9115	4.829917	5.041309
CPNE7	ENSG0000	-0.90854	3.954159	-5.7844	1.97E-05	0.000215	2.825285	5.557407	5.455446	5.557879	4.316764	4.507984	4.460795	4.225415	4.221128	4.372382	3.340597	3.5985	3.759253	3.221013	3.292034	3.404467	3.245848	3.297679	3.267027
MPI	ENSG0000	0.06331	6.014255	1.581158	0.131768	0.221188	-6.16183	5.509634	5.577561	5.579162	5.830775	5.87399	5.783733	5.56294	5.506949	5.548858	6.322921	6.395443	6.249882	6.592474	6.538756	6.522566	6.438184	6.456523	6.394816
OPLAH	ENSG0000	0.092397	4.823954	1.108243	0.282775	0.400239	-6.5359	4.654895	4.614695	4.763138	4.687901	5.128856	4.899045	4.812472	4.630987	4.889843	4.573314	4.842882	4.821051	5.343978	5.336493	5.271695	4.868275	4.867593	4.7671
TMEM52	ENSG0000	0.006976	0.874731	0.040247	0.968353	0.979354	-6.42542	1.384302	1.327092	0.964748	0.635873	0.625525	0.657796	0.548589	1.367163	1.01237	2.282443	2.372288	2.485514	2.28558	2.084417	1.923865	2.652661	2.518186	2.326628

TMEM139	ENSG0000	-0.57095	2.495671	-2.09033	0.051491	0.106119	-4.73417	2.568952	2.403106	2.446827	1.256461	1.437317	1.575618	1.074544	1.367163	0.925731	3.60703	3.793073	3.685623	5.083973	5.178243	5.084783	3.39949	3.431768	3.31642
EFCAB13	ENSG0000	-0.10423	0.578782	-0.54229	0.594468	0.698253	-6.00437	1.384302	1.327092	1.499186	0.934951	1.164793	1.250575	1.459147	1.491012	1.38134	1.352446	1.467416	1.413989	1.365252	1.428204	1.390007	1.214313	0.975239	1.739782
APOLD1	ENSG0000	-0.20498	-0.0705	-0.87751	0.392112	0.513738	-6.02829	0.742531	0.661886	0.323815	0.258133	0.106501	0.3528	0.106501	0.253663	0.735084	2.679436	2.590228	2.460504	1.916818	2.016959	1.947161	2.509956	2.500854	2.570068
EXOSC4	ENSG0000	-0.06993	6.076522	-1.01737	0.322854	0.442624	-6.88753	5.288426	5.358041	5.393406	5.44865	5.543607	5.384134	5.319693	4.883536	5.220718	6.736579	6.887984	6.992176	6.963978	6.944829	6.860604	6.96272	6.941552	6.702926
DPY19L3	ENSG0000	-0.04923	4.460029	-0.4616	0.650062	0.746815	-6.92404	4.803168	4.769782	4.808898	5.117849	4.97698	5.143594	5.08826	5.018308	4.801363	4.395472	4.386688	4.140085	3.993008	4.005327	4.01878	3.923315	3.916575	4.229846
TAF7	ENSG0000	0.117194	8.009927	2.818534	0.011607	0.032738	-4.12751	7.761035	7.813966	7.709187	8.02893	7.933167	7.916979	7.832511	7.7703	7.80736	8.112339	8.077749	8.121614	8.179906	8.188277	8.177264	8.257748	8.308349	8.286849
ZNF852	ENSG0000	-0.12969	1.317017	-1.15233	0.264704	0.380865	-5.71105	1.894617	1.81559	1.54317	1.326771	1.373859	1.475193	1.459147	1.491012	1.727075	2.320032	2.193623	2.038602	1.99126	1.970168	1.923865	2.034568	2.124453	2.252429
FOXE1	ENSG0000	0.112812	1.781183	1.204858	0.244319	0.357273	-6.10393	1.069823	1.002471	0.598525	0.841981	0.730585	0.984419	0.670238	0.915275	0.629397	3.997596	3.761343	4.04234	4.222798	4.312477	4.306856	4.01601	4.189664	4.037057
PFAS	ENSG0000	-0.05438	5.644875	-0.73167	0.474066	0.59328	-7.0119	6.216459	6.185438	6.303073	6.156917	6.130685	6.049065	6.307166	6.337211	6.357005	5.464721	5.403536	5.341234	4.922141	4.739573	4.772296	5.242383	5.135275	5.123395
HYI	ENSG0000	-0.10924	3.579932	-0.54701	0.591291	0.695611	-6.59716	5.038315	4.965333	5.060398	4.062381	4.293254	3.991672	4.819063	4.696781	4.732845	2.804042	2.546219	2.53427	3.149671	3.032175	2.895043	2.843302	2.895091	2.742606
CYBC1	ENSG0000	0.228824	5.708234	2.591127	0.018737	0.047774	-4.31238	5.316463	5.164879	5.344527	6.402548	6.350594	6.269353	5.847177	5.75257	5.738712	5.504036	5.493191	5.542338	6.07914	5.958132	6.005955	5.513229	5.58723	5.403191
ZNF552	ENSG0000	-0.2837	3.086593	-2.84828	0.010895	0.031117	-3.40939	2.568952	2.425906	2.700947	2.393052	2.229385	2.288255	2.226405	2.255906	2.501332	4.207702	4.008408	4.171248	4.454245	4.615839	4.535391	3.928936	3.870083	3.788453
SMIM10L2	ENSG0000	-0.27714	2.04851	-1.64226	0.118406	0.203825	-5.23558	2.218961	2.125186	2.018628	1.688986	1.817192	2.098749	2.724622	2.069791	2.376228	2.817246	2.632935	3.133657	2.638129	2.797719	2.544166	2.494877	2.254246	2.419973
GAK	ENSG0000	0.020022	7.267506	0.275353	0.786274	0.850858	-7.47247	7.380646	7.410188	7.503321	7.246902	7.302158	7.206388	7.527055	7.374567	7.48167	7.03596	7.039189	7.170959	7.398588	7.300886	7.321409	7.16856	7.073443	7.04815
ZBTB7A	ENSG0000	-0.11897	5.744994	-1.34221	0.196703	0.301089	-6.43246	6.176225	6.37311	6.394453	5.650615	5.782263	5.66623	6.017329	5.839612	5.909288	5.456306	5.602884	5.686818	5.441792	5.468605	5.299114	5.796027	5.748292	5.607985
TUFM	ENSG0000	-0.16987	8.263371	-3.8435	0.001246	0.005585	-1.94982	8.573167	8.616967	8.546742	8.191439	8.298831	8.178843	8.345283	8.345473	8.354172	8.22808	8.173977	8.239556	8.173176	8.128274	8.124277	8.101028	8.11827	8.090983
RMI1	ENSG0000	0.314697	4.084676	2.575499	0.019356	0.049019	-4.09009	4.014302	3.872022	3.922756	4.041626	4.1009	4.154771	4.339849	4.459641	4.364168	4.485065	4.195737	4.45065	3.708564	3.606961	3.658454	4.382472	4.609106	4.735671
CTC1	ENSG0000	-0.06146	4.757366	-1.31755	0.204666	0.310641	-6.28173	4.650007	4.569336	4.547936	4.857809	4.860273	4.903882	4.536652	4.459641	4.490278	4.851979	4.890593	4.862213	5.206215	5.167914	5.246096	4.704254	4.867593	4.946447
FBXO34	ENSG0000	-0.15469	4.895157	-3.06973	0.006773	0.021398	-3.27329	4.584905	4.624584	4.564038	4.40878	4.310303	4.512384	4.637058	4.603806	4.527529	5.560088	5.639998	5.456399	5.240955	5.188499	5.222422	5.332078	5.356168	5.268497
SELENOW	ENSG0000	0.254567	6.777863	4.693104	0.000195	0.001278	0.020933	6.104784	6.013586	6.046517	6.596458	6.650835	6.584614	5.961819	6.175851	6.123935	6.968031	7.028566	6.955726	7.62771	7.665467	7.633786	7.371032	7.424858	7.332523
EIF3K	ENSG0000	-0.04812	7.15437	-1.31592	0.205199	0.311303	-6.63921	7.190911	7.107564	7.115238	7.017698	7.186879	7.006136	7.070276	7.113002	7.166879	7.259182	7.215213	7.297719	7.240186	7.212561	7.206045	7.225048	7.137231	7.198979
MRFAP1L1	ENSG0000	-0.0213	6.401174	-0.31942	0.753194	0.827247	-7.40497	5.885257	5.850414	5.589687	5.424805	5.550798	5.614052	5.919505	5.893919	5.970082	7.139454	7.09626	7.212747	7.106852	7.117804	7.104802	7.017822	7.03633	7.042657
SNX18	ENSG0000	-0.19219	5.774968	-2.06058	0.054548	0.111006	-5.36277	5.423458	5.337144	5.458019	5.16659	5.423388	5.203674	5.490461	5.550308	5.404147	6.273483	6.244112	6.268915	6.489493	6.470003	6.479275	5.957352	5.919494	5.898914
AURKB	ENSG0000	-0.22653	4.157095	-1.14238	0.268704	0.385257	-6.45178	4.909255	4.765319	4.725456	3.766043	3.832443	3.818042	4.883375	4.784126	4.674259	5.200749	5.043519	5.251133	2.412911	2.169719	2.330481	4.796302	4.83684	4.617485
MRFAP1	ENSG0000	-0.05936	8.733861	-1.54279	0.140794	0.232771	-6.44085	8.895506	8.970269	8.875856	8.977261	8.974451	8.957169	8.850573	8.875149	8.849097	8.6028	8.625099	8.672834	8.454642	8.477338	8.502978	8.573623	8.555798	8.582689
C3orf38	ENSG0000	0.062935	4.790511	1.370558	0.187859	0.290235	-6.25687	4.405107	4.429669	4.616447	4.532944	4.56592	4.48682	4.56045	4.55497	4.396744	5.120474	5.145366	5.125498	5.148423	5.296751	5.188613	5.20581	5.243446	5.184529
KLHDC7A	ENSG0000	0.091987	1.465017	0.632761	0.535081	0.647661	-6.38719	0.742531	1.002471	0.756332	1.182548	1.373859	1.475193	0.548589	0.509405	0.735084	3.047564	3.278101	3.283783	3.501296	3.560336	3.509921	3.462853	3.256961	3.455199
TMEM107	ENSG0000	0.2099	2.981435	1.599398	0.127652	0.216035	-5.43525	2.798329	2.9974	2.94999	3.647423	3.784444	3.523386	3.027514	3.141256	3.199964	2.918737	3.126946	3.068941	3.116795	3.065945	2.98783	3.200096	3.277464	3.079476
RRS1	ENSG0000	-0.23277	6.654531	-3.11894	0.006089	0.01974	-3.40494	6.749447	6.768296	6.78516	5.969096	6.216843	5.940258	6.311847	6.34544	6.342446	7.019632	7.005051	7.224865	6.768155	6.818451	6.767977	7.129431	7.025007	6.86835
TRIML2	ENSG0000	0.942061	0.621642	4.91196	0.000122	0.000884	1.271479	5.944347	5.904176	5.990033	6.082665	5.862477	6.09843	6.900414	6.84932	6.942549	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RCC2	ENSG0000	-0.35703	7.67959	-5.42224	4.16E-05	0.000385	1.50057	7.46934	7.486053	7.512339	6.659117	6.829982	6.623257	6.903519	6.876546	6.844112	8.556557	8.491268	8.548731	8.16792	8.170924	8.140473	8.366592	8.36303	8.369981
DPM3	ENSG0000	-0.40223	5.641083	-5.15998	7.20E-05	0.000586	1.153768	5.684757	5.615246	5.760107	5.26388	5.309293	4.969954	5.469665	5.356295	5.424038	6.084386	6.104409	6.227819	5.959081	5.860486	5.990621	5.72995	5.727952	5.547215
CYC1	ENSG0000	-0.18102	7.834933	-4.39551	0.000372	0.002126	-0.71889	7.944895	7.903499	7.950306	7.400488	7.622756	7.506669	7.669732	7.621546	7.711884	8.168797	8.033605	8.188588	7.800689	7.746229	7.806529	8.032196	8.031533	8.007447
PER1	ENSG0000	0.030927	4.399714	0.358018	0.724617	0.804797	-6.99943	4.333741	4.389636	4.229112	4.562385	4.733289	4.707606	4.512454	4.307901	4.680887	4.569418	4.45968	4.52189	4.477091	4.420842	4.27038	4.511692	4.414575	4.341429
TMTC2	ENSG0000	0.476347	5.848446	1.490995	0.15379	0.249384	-6.17023	5.482394	5.580104	5.560557	7.753854	7.747701	7.739613	6.065248	6.045554	6.114173	5.198228	5.214953	5.095351	5.210117	5.268024	5.183718	5.595049	5.449467	5.502565
FARSA	ENSG0000	0.179713	7.038651	4.004686	0.000874	0.004191	-1.51571	6.675605	6.611798	6.665891	6.821637	6.946341	6.780129	6.880069	6.79177	6.86609	7.296785	7.208169	7.307833	7.303641	7.221953	7.224634	7.47314	7.454984	7.37248
SPTY2D1	ENSG0000	-0.15767	5.824762	-3.56962	0.002275	0.00896	-2.31211	6.131333	6.03228	5.986055	5.935739	5.905185	5.947304	6.011586	5.940834	5.986227	5.961926	5.817107	5.855788	5.675625	5.627813	5.565001	5.655626	5.68063	5.603018
SAMD4B	ENSG0000	-0.01183	7.137531	-0.27894	0.783567	0.848631	-7.47485	7.143006	7.104034	7.194088	6.787763	6.821087	6.770892	7.096287	6.968652	7.013847	7.328829	7.325101	7.313519	7.244472	7.151616	7.19514	7.40722	7.376973	7.424795
ALOXE3	ENSG0000	0.300723	0.287487	0.831697	0.416799	0.538699	-5.87794	1.642349	1.591918	1.202741	0.52061	0.389229	0.984419	0.670238	0.915275	0.39151	1.423238	1.335727	1.387696	1.336984	1.120667	1.247156	2.055273	2.254246	2.374055
EDC3	ENSG0000	-0.23519	6.931624	-2.46546	0.024299	0.058713	-4.75025	6.98506	7.023171	6.919507	6.35076	6.426835	6.263719	6.720229	6.562162	6.725698	7.255549	7.232095	7.266945	7.361794	7.307371	7.340229	7.162609	7.028035	7.062697
TCAIM	ENSG0000	0.193588	4.833711	2.919424	0.009359	0.027598	-3.51394	4.855064	4.929882	4.85325	5.067404	4.97698	4.869675	5.08826	5.174263	5.265504	4.645413	4.669105	4.604122	4.858933	4.934974	4.914999	4.647431	4.740443	4.844905
FUCA1	ENSG0000	0.256503	5.682485	2.202505	0.041317	0.089258	-5.06258	4.888652	4.747329	4.725456	6.218315	6.196355	6.135919	5.188389	5.268148	5.313214	5.745902	5.818649	5.872475	6.266905	6.37666	6.335509	5.998026	5.879817	5.866117
TMEM125	ENSG0000	0.612933	0.312936	9.790325	1.63E-08	9.36E-07	9.875443	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	4.192583	4.260723	4.289577	5.225618	5.218837	5.146464	4.841704	4.815969	4.869935
ZNF664	ENSG0000	0.209272	7.38388	2.894286	0.009876	0.028817	-3.92575	6.801072	6.893197	6.816862	7.492258	7.423667	7.400288	6.983449	7.142816	6.988691	7.596776	7.588239	7.521286	7.700934	7.673704	7.722531	7.775687	7.779526	7.773798
CALR	ENSG0000	0.428351	9.380444	5.394528	4.40E-05	0.000403	1.37591	9.136052	9.134993	9.16185	10.27605	10.18158	10.23831	9.551977	9.554378	9.558035	8.766603	8.786309	8.802578	9.346077	9.375721	9.337024	9.225971	9.207661	9.249021
MAGED1	ENSG0000	0.395412	7.668971	3.54271	0.002414	0.009424	-2.51983	7.676425	7.730575	7.670669	9.196135	9.161938	9.114116	8.427384	8.395368	8.434814	6.741781	6.685635	6.69195	7.419802	7.384113	7.323636	6.701353	6.703787	6.73847
GVQW3	ENSG0000	0.074863	0.477504	0.517104	0.611566	0.713101	-6.194	0.587539	0.499412	0.679585	0.742604	0.389229	0.746642	0.782422	0.726566	0.629397	2.033684	2.23117	2.213454	2.55467	2.451029	2.312654	2.211015	2.254246	1.973284
LDLRAD3	ENSG0000	-0.82816	-0.2151	-2.31968	0.032692	0.074145	-3.65505	4.564268	4.517206	4.547936	4.132759	4.500575	4.279122	3.490873	3.749274	3.60036	0.106501	0.106501	0.106501	0.171976	0.106501	0.186984	0.106501	0.106501	0.214669
RAD23A	ENSG0000	-0.32696	7.229129	-6.00644	1.26E-05	0.000152	2.771698	7.745651	7.686409	7.815572	6.857706	7.005113	6.849469	7.522014	7.366504	7.431456	7.484874	7.343432	7.435649	6.878302	6.813489	6.820957	7.066442	7.154653	7.029758
GADD45GI	ENSG0000	-0.03476	5.357233	-0.41879	0.680472	0.770978	-7.17066	5.713155	5.694843	5.803703	5.359221	5.738846	5.291197	5.597858	5.58894	5.435842	5.149472	5.059262	5.315313	5.170617	5.178243	5.148978	5.454038	5.274377	5.11295
MEIS3P1	ENSG0000	-0.10185	3.321669	-1.11324	0.28068	0.398023	-6.17992	3.325391	3.472886	3.371944	3.376187	3.546181	3.498018	2.981245	3.214961	3.084728	3.403229	3.509623	3.71764	3.768	3.544454	3.831176	3.530961	3.72088	3.477085
PTPN11	ENSG0000	-0.00117	8.084506	-0.02843	0.97764	0.98544	-7.57718	8.432937	8.431899	8.416085	8.030248	8.014741	8.071687	8.458854	8.555556	8.449931	7.944996	7.995928	7.951701	7.700241	7.733151	7.722531	7.877296	7.919815	7.91427
NSUN7	ENSG0000	0.112355	-0.97223	0.682625	0.503791	0.61992	-6.117	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	2.320032	2.338281	2.447834	2.579013	2.416542	2.589286	2.115663	2.518186	2.668457
CLK3	ENSG0000	-0.28327	5.419942	-3.28405	0.004252	0.014797	-2.87149	5.246942	5.17164	5.261389	5.626427	5.557954	5.522662	5.060712	4.80814	4.855099	5.791772	5.776414	5.879569	5.628298	5.597346	5.736926	5.614363	5.471879	5.585495
HLA-DQB1	ENSG0000	-0.0829	1.170367	-0.43892	0.666096	0.75995	-6.45046	0.947665	1.002471	0.898566	1.104644	0.625525	0.461789	0.670238	0.387194	0.833554	2.817246	2.792142	2.826234	3.937609	3.752319	3.837423	2.819293	2.881762	2.81313
GATA2	ENSG0000	-0.07797	4.141092	-0.54587	0.592054	0.696335	-6.86157	4.066597	3.936954	3.773804	3.875646	4.1957	4.045196	4.496094	4.397684	4.33084	4.252132	4.331577	4.589777	4.558917	4.66441	4.56581	4.026533	4.023613	3.914098
ARID3B	ENSG0000	-0.51922	4.065836	-8.672	9.62E-08	3.56E-06	8.025084	3.878801	3.628412	3.955676	2.955742	2.881616	2.805104	3.474265	3.415864	3.4839	5.6624	5.438064	5.590683	4.34138	4.269646	4.228211	4.983487	5.048468	5.019105
PACS2	ENSG0000	0.094597	5.842161	1.553853	0.138139	0.229529	-6.17631	5.356021	5.32203	5.387386	5.650615	5.596688	5.54451	5.198536	5.136826	5.278673	6.038616	6.120755	6.092941	6.705273	6.605339	6.670742	6.34456	6.380376	6.222526
ELMOD2	ENSG0000	0.140855	5.168112	1.327505	0.201421	0.306697	-6.30509	5.493352	5.452673	5.440682	5.587578	5.539998	5.762585	5.872748	5.822029	5.912107	4.637991	4.679329	4.77868	4.973543	5.054739	5.128745	4.526597	4.592839	4.551975
VWA1	ENSG0000	0.118451	3.503019	1.072535	0.298066	0.416988	-6.59926	2.051128	1.915637	1.987129	1.634586	1.437317	1.575618	2.226405	1.491012	1.727075	5.286319	5.473744	5.602163	6.285514	6.247728	6.26426	5.734772	5.593376	5.483771
LINC00174	ENSG0000	-0.50324	1.848951	-4.39859	0.000369	0.002117	0.183079	2.080492	2.37994	2.079636	2.255624	1.817192	1.757653	1.762502	1.809233	1.674905	2.510897	2.674414	2.786535	2.626498	2.565626	2.399663	2.26534	2.410923	2.174206
GEMIN4	ENSG0000	0.009062	6.384659	0.127509	0.899993	0.933736	-7.4098	6.990871	6.993906	6.915329	6.543927	6.711452	6.596615	6.962762	6.897684	6.82479	6.208578	6.084032	6.226892	5.574833	5.408455	5.530714	6.275652	6.233332	6.285892
FJX1	ENSG0000	-0.05083	5.003381	-0.32762	0.747092	0.822321	-6.95277	6.523553	6.627865	6.766727	6.456466	6.486179	6.379378	6.556314	6.373876	6.596689	3.331423	3.406729	3.283783	4.143408	3.933972	4.088533	3.538334	3.628139	3.267027
KLHL28	ENSG0000	-0.12758	4.22742	-1.4408	0.167316	0.266087	-6.10193	3.100204	3.472886	3.466347	3.425084	3.630051	3.678224	3.523527	3.786013	3.721038	5.223242	5.294698	5.119519	5.034222	5.263181	5.166452	4.877024	4.984438	4.946447
MKRN3	ENSG0000	-0.34639	1.413398	-2.84569	0.010955	0.031264	-3.47612	0.587539	0.661886	0.512639	0.106501	0.625525	0.563119	0.548589	0.253663	0.515351	4.717605	4.540416	4.750584	4.49639	4.367677	4.550681	4.365992	4.348284	4.335451
ZBTB18	ENSG0000	-0.02146	4.180107	-0.25531	0.801467	0.862632	-6.9739	4.640181	4.751848	4.600923	4.218476	4.167908	4.121933	4.779054	4.696781	4.620106	4.151473	3.997554	4.067404	3.90909	4.034047	3.945482	4.137495	3.84969	4.029672
C14orf28	ENSG0000	-0.06226	1.334434	-0.40242	0.692253	0.77979	-6.23648	1.18244	1.277811	1.088647	1.888135	1.768674	2.029614	1.160105	1.082132	1.777424	2.100009	2.372288	1.915176	2.717023	2.784257	2.689384	2.055273	1.82352	1.973284
EIF3J-DT	ENSG0000	0.060869	2.993182	0.716512	0.48314	0.601801	-6.48413	2.629805	2.636038	2.681399	3.20008	3.295295	2.885561	2.607661	2.753138	2.588518	3.340597	3.539861	3.426222	3.652319	3.793216	3.65138	3.603046	3.449945	3.455199
SHARPIN	ENSG0000	-0.22903	6.038572	-4.33556	0.000424	0.002359	-0.69158	5.684757	5.756852	5.84602	5.59472	5.694082	5.590242	5.409787	5.246342	5.408147	6.580784	6.508705	6.657288	6.619862	6.540759	6.584232	6.458728	6.528851	6.41338
DNHD1	ENSG0000	-0.66548	2.27953	-5.00576	9.99E-05	0.000756	1.366486	1.959273	2.068355	1.954926	2.393052	1.953662	2.258349	1.966276	1.760835	1.918715	3.64455	3.576789	3.567612	3.074617	2.962168	2.976553	2.878584	2.99751	2.610232
SLITRK4	ENSG0000	2.048639	3.145261	6.267943	7.48E-06	0.000103	3.906064	5.772833	5.827051	5.705507	7.217131	7.043854	7.193606	7.891555	7.857749	7.915996	0.834246	0.89579	0.807652	0.610222	0.416769	0.760679	1.214313	0.759002	0.734116
HTR1D	ENSG0000	-0.82555	2.523979	-3.40987	0.00323	0.011865	-1.90125	4.315334	4.406929	4.388298	3.57705	3.656958	3.498018	2.779728	3.446787	3.162566	2.14259	1.672391	2.055402	1.99126	1.622273	1.722572	2.211015	2.078458	2.033602
GCC1	ENSG0000	0.369394	5.504711	8.485393	1.31E-07	4.40E-06	7.639533	5.42632	5.361002	5.359981	5.915919	5.938464	5.928437	5.643139	5.789227	5.605699	5.029806	5.05665	5.013889	5.760552	5.741888	5.769963	5.436388	5.435851	5.470195
CIITA	ENSG0000	-0.8248	-1.20259	-4.0134	0.000858	0.00413	-0.50987	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	2.18395	2.267764	2.396013	2.717023	2.416542	2.604018	1.45147	1.368306	1.58715
ZFPM1	ENSG0000	-0.1936	2.38986	-1.18543	0.251716	0.366134	-5.77385	2.762544	3.155816	3.075109	3.425084	3.34578	2.980206	2.858632	2.481727	2.915195	2.18395	2.174476	2.447834	2.25569	2.700737	2.633039	2.479639	2.254246	1.81044
PLD6	ENSG0000	-0.50703	3.347205	-2.69098	0.015202	0.040532	-3.60169	4.574623	4.372133	4.458888	3.342644	3.394558	3.27721	4.215456	3.946081	3.979442	3.165825	3.136872	3.339716	3.27416	3.088026	3.244428	2.843302	2.868308	2.464474
CDC42EP4	ENSG0000	-0.40339	4.892524	-2.49539	0.022848	0.055935	-4.37326	5.403266	5.466485	5.497679	5.185634	5.399687	5.401341	4.857993	4.928048	4.878354	5.035466	5.008809	5.241989	3.993008	4.028349	4.104162	4.805497	4.949728	4.82371
ZBTB42	ENSG0000	0.525885	3.684753	8.080381	2.62E-07	7.44E-06	7.08318	2.051128	2.403106	2.109199	3.487804	3.426184	3.168853	2.806512	2.753138	2.670735	4.399867	4.45175	4.469576	5.379059	5.408455	5.378375	4.947942	4.907602	4.874064
LACC1	ENSG0000	-0.58876	3.683577	-7.57314	6.40E-07	1.52E-05	6.25308	4.500523	4.691972	4.43574	3.815786	3.945887	3.584921	3.866715	3.988732	3.957772	3.805587	3.866492	3.829308	3.409264	3.338827	3.344321	3.383205	3.317614	3.31642
MAF1	ENSG0000	0.058494	6.81101	1.103344	0.284838	0.402595	-6.85815	6.396519	6.253935	6.406409	6.565896	6.674071	6.581598	6.314182	6.219034	6.297866	6.981288	6.951927	7.048857	7.592273	7.562278	7.558733	7.212429	7.140733	7.089583
ARL14	ENSG0000	-1.13672	0.396671	-3.88886	0.001128	0.005142	-0.98064	1.12723	1.002471	1.256574	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	3.962373	3.748453	3.834184	3.388755	3.375198	3.326666	3.083983	3.127424	3.107809
PCED1B	ENSG0000	-0.30504	4.67675	-3.69904	0.001712	0.007149	-1.95038	3.623492	3.335139	3.39613	3.766043	3.747367	3.828257	3.050103	3.063581	3.181386	6.228481	6.268018	6.359638	5.974073	5.965605	5.934902	6.013979	5.989515	5.972018
FLJ37453	ENSG0000	-0.12386	0.849308	-0.70231	0.491732	0.609194	-6.07071	0.814199	1.002471	0.898566	0.742604	1.2379	0.909432	1.240874	1.15884	1.38134	2.163418	2.212518	2.30059	2.145912	2.269709	2.058312	2.034568	1.956613	1.665483
APOBEC3B	ENSG0000	-0.84815	3.366422	-8.15889	2.29E-07	6.66E-06	7.225219	3.236881	2.9974	3.24453	2.291228	1.953662	2.346268	3.115825	3.063581	2.82232	5.195703	5.014203	5.039448	3.703037	3.544454	3.793113	4.142342	4.011424	4.087723
PCBP1-AS1	ENSG0000	-0.60795	2.779271	-5.38936	4.45E-05	0.000405	2.178756	4.138162	4.115866	4.138828	3.425084	3.053471	3.335661	3.423261	3.646467	3.357206	2.635389	2.714733	2.638296	2.062048	2.344993	2.220059	2.075685	2.535313	2.277588
MYADM	ENSG0000	-0.45952	7.122585	-2.68502	0.015394	0.040952	-4.3437	7.33188	7.26995	7.193226	6.125209	6.130685	5.979739	6.278754	6.212301	6.319266	7.675917	7.583257	7.789515	7.977621	7.862885	7.839972	7.611073	7.67281	7.56933
MROH1	ENSG0000	-0.25539	4.700803	-3.51906	0.002542	0.009832	-2.34156	3.756787	3.768792	3.597291	3.359513	3.616407	3.405543	3.423261	3.063581	3.271973	5.995709	6.075026	6.035885	6.455384	6.317144	6.408658	5.818911	5.879817	5.838909
SERTAD2	ENSG0000	-0.15893	5.723045	-1.36819	0.188587	0.291202	-6.40977	5.926267	5.906205	5.980067	5.342348	5.33034	5.238557	6.062473	6.001973	6.150445	5.92581	5.88346	5.956492	5.757889	5.78983	5.661468	5.60386	5.564469	5.445432
AKAP5	ENSG0000	-0.11085	0.123739	-0.60783	0.551117	0.661684	-5.88789	0.947665	0.940485	0.598525	0.841981	1.307481	1.123626	0.670238	0.726566	1.01237	1.116489	1.300837	1.413989	1.473091	1.428204	1.550722	1.214313	1.118494	1.222783
GIPC3	ENSG0000	1.1411	-1.81451	4.787943	0.000159	0.001092	0.93711	1.384302	1.327092	1.62731	1.791994	1.556428	1.956998	2.376953	2.568641	2.471058	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RNF227	ENSG0000	0.464972	2.486587	4.321891	0.000437	0.002418	-0.03054	2.392887	2.49222	2.681399	2.91067	3.170134	3.03415	3.158032	2.916694	3.00245	2.558849	2.590228	2.34226	2.566893	2.50126	2.589286	2.807136	2.741225	2.778299
CITED4	ENSG0000	-0.6932	4.6918	-3.93121	0.001028	0.004787	-1.18069	6.40089	6.46679	6.615279	5.974582	6.177895	5.825123	5.523124	5.484771	5.70008	3.186323	3.330936	3.669344	3.804587	3.940055	3.898452	3.39949	3.236163	3.291935
ABCA13	ENSG0000	-1.12356	0.182025	-3.45434	0.00293	0.011023	-1.67191	1.12723	1.226787	1.30847	0.395333	0.25478	0.3528	0.269385	0.253663	0.39151	2.163418	2.174476	2.07201	2.51737	2.517623	2.782986	1.784732	1.442809	1.504318
TIGD5	ENSG0000	0.258761	4.480081	2.781097	0.012568	0.034968	-3.68648	4.740165	4.809337	4.892035	4.892995	5.176125	4.937296	5.003988	4.790167	4.99996	3.751589	3.992097	4.083875	4.323482	4.335734	4.213876	4.519164	4.395944	4.014786
PDXDC1	ENSG0000	-0.02203	7.645946	-0.73301	0.47327	0.592753	-7.26191	7.790763	7.851291	7.859723	7.848756	7.856167	7.870785	7.849514	7.751072	7.801289	7.539173	7.475918	7.448426	7.471102	7.464384	7.456407	7.497458	7.4363	7.493513
R3HDM2	ENSG0000	-0.07488	4.449174	-0.87506	0.39341	0.515107	-6.63315	5.240453	5.24399	5.300357	4.97738	4.745876	4.793524	5.071794	5.023446	5.18386	3.920163	3.947677	3.942013	4.102013	4.028349	3.898452	3.989359	3.916575	4.058989
B3GNT3	ENSG0000	0.217277	2.771979	2.531628	0.0212	0.052643	-4.326	1.010037	1.226787	1.028027	1.256461	0.828511	0.746642	0.415731	1.001115	1.01237	5.866711	5.770051	5.929407	5.408221	5.368419	5.326021	6.133197	6.085656	6.123666
SEPHS2	ENSG0000	0.368945	5.776531	3.49863	0.002659	0.01021	-2.45192	5.125418	5.063109	5.155563	6.1997	6.291721	6.267477	5.712047	5.686091	5.690258	5.642139	5.701482	5.872475	6.060892	6.135585	6.074994	5.989982	5.959694	5.85153
ZNF784	ENSG0000	-0.0863	2.97104	-1.0403	0.31238	0.432132	-6.31154	2.109269	2.125186	2.37563	2.425456	2.686486	2.22781	2.186178	2.420731	2.239236	3.87036	4.097507	4.178935	4.245787	4.169652	4.21867	4.057652	3.822043	3.897964
C14orf119	ENSG0000	-0.32893	6.13724	-6.50924	4.67E-06	7.09E-05	3.877749	5.866415	5.877545	5.794633	5.622938	5.593209	5.59324	5.360933	5.319175	5.321722	6.760699	6.745244	6.819752	6.811816	6.848675	6.849829	6.557281	6.597726	6.539638
BBS10	ENSG0000	0.078635	4.367836	1.089055	0.290918	0.40928	-6.4591	4.186225	4.336476	4.208773	4.495279	4.301803	4.454215	4.520565	4.474723	4.45204	4.364327	4.447768	4.335006	4.720818	4.780828	4.759194	4.336692	4.353122	4.370952
FIZ1	ENSG0000	-0.07832	4.776432	-1.10089	0.285877	0.403543	-6.59044	4.500523	4.574447	4.504099	4.142539	4.258538	4.28655	4.376062	4.533523	4.606245	5.131086	5.281337	5.432483	5.26928	5.250999	5.290032	5.293385	5.214498	5.033946
PUF60	ENSG0000	-0.07108	8.225063	-2.16328	0.044644	0.094834	-5.41978	7.952856	7.926166	7.968566	7.575834	7.663961	7.602769	7.908653	7.847647	7.850625	8.758925	8.680225	8.778748	8.588805	8.516791	8.492624	8.686387	8.682033	8.663049
DCTPP1	ENSG0000	-0.20195	6.318857	-1.8686	0.078534	0.148271	-5.75094	6.381852	6.390602	6.37481	6.290462	6.426835	6.370669	6.132946	5.910652	6.007476	6.65252	6.579556	6.706648	6.098213	6.058	5.98641	6.582463	6.536314	6.591974
ZNF771	ENSG0000	0.421856	2.107784	2.28294	0.035198	0.078614	-4.07519	1.826927	2.448351	2.621113	3.142765	3.053471	2.885561	2.545421	2.702788	2.440135	1.891119	1.827525	2.16783	2.25569	2.642244	2.365487	2.539649	2.500854	1.910335
PPP1R14BI	ENSG0000	0.088313	0.005917	0.342657	0.735943	0.813886	-5.99057	0.587539	0.8079	1.028027	1.256461	1.006428	1.188496	0.670238	0.824004	1.01237	0.934589	1.529011	1.188864	0.907968	1.16289	1.046067	1.13872	1.442809	1.115245
NA	ENSG0000	-0.57482	4.112202	-5.36116	4.72E-05	0.000422	1.877395	4.961483	5.059469	5.064177	4.052041	3.956756	4.233737	4.402637	4.166444	4.296723	4.207702	4.205202	4.046548	3.904282	3.964133	3.72061	3.818209	3.84969	3.679412
TSHZ1	ENSG0000	-0.09692	3.941392	-0.68704	0.50107	0.617755	-6.72349	4.165822	3.968357	4.102541	4.290615	4.284653	4.202668	3.928981	3.633086	3.957772	4.232554	4.23323	4.197974	3.640803	3.528394	3.658454	4.357681	4.111883	4.170642
PSTK	ENSG0000	-0.24811	2.174246	-1.74289	0.098918	0.177285	-4.94522	3.729242	3.686213	3.688245	3.162124	2.904251	3.200652	3.523527	3.535768	3.218306	1.586365	1.672391	1.800268	1.711947	1.591687	1.801384	1.542275	1.581179	1.739782
SOCS4	ENSG0000	-0.21854	5.794792	-5.66381	2.52E-05	0.000257	2.208187	6.088617	6.002253	6.036935	5.749917	5.525471	5.699996	5.817858	5.882654	5.800886	6.035795	6.007657	5.948645	5.606261	5.639075	5.616767	5.739577	5.798808	5.791663
ZADH2	ENSG0000	0.063096	4.58568	1.028327	0.317818	0.437699	-6.60901	4.302931	4.256058	4.262385	4.416862	4.462952	4.580436	4.264577	4.389749	4.243986	5.043915	4.881766	4.904554	4.818614	4.916583	4.873042	5.026064	4.971913	5.044977
ZNF48	ENSG0000	0.001243	4.038525	0.016163	0.987287	0.991744	-7.00504	3.836399	3.888531	3.698006	4.112999	4.081169	3.878271	4.079318	4.050434	3.990155	4.417313	4.369954	4.264509	4.427684	4.230476	4.368551	4.332457	4.195062	4.073428
C3orf80	ENSG0000	-0.69798	-0.04827	-3.14157	0.005797	0.018972	-2.24274	1.681202	1.118985	1.406977	0.395333	0.512209	0.746642	1.074544	0.622068	0.735084	1.964162	1.725977	1.60868	0.562188	0.550009	0.533283	1.599785	1.478665	1.322858
LINC02870	ENSG0000	-0.70546	0.474775	-2.5223	0.021614	0.053445	-3.3404	3.710582	3.557914	3.489013	1.688986	2.078331	2.064596	2.957542	2.871824	2.530983	0.415169	0.462741	0.807652	0.407676	0.345231	0.263213	0.576451	0.433238	0.805046
ANKRD18A	ENSG0000	-0.53788	1.885094	-4.3528	0.000408	0.002289	0.078426	2.568952	2.513665	2.720234	1.791994	1.718467	1.880533	2.513265	2.451551	2.34318	2.650221	2.753956	2.855308	1.755315	1.766169	1.900186	1.903678	2.37332	2.14716
TMEM86B	ENSG0000	-0.36791	0.127435	-1.54708	0.139758	0.231489	-4.94547	0.667115	1.002471	1.202741	1.326771	1.2379	1.188496	0.670238	0.622068	1.01237	1.239286	1.369793	1.514616	1.088368	1.2438	1.046067	1.13872	1.118494	1.273688
SEPTIN1	ENSG0000	0.173616	0.494158	0.734585	0.472334	0.591997	-5.76084	1.336422	1.420874	1.744977	1.888135	2.078331	2.098749	1.917967	1.901414	1.873138	0.88529	0.848253	0.807652	0.982856	1.320413	1.355599	0.837776	0.504542	0.734116
TRNAU1AF	ENSG0000	0.101164	4.019122	0.707548	0.488554	0.60635	-6.71427	3.810347	3.888531	3.745844	3.955484	4.020303	3.907468	4.023335	4.238905	3.90213	3.818776	4.082178	3.977706	4.886014	4.843827	4.90611	3.934535	3.890192	4.163911
EXOC3	ENSG0000	0.118913	6.221771	2.049779	0.055698	0.112894	-5.41043	5.868521	5.973524	5.861303	6.54945	6.438513	6.347775	6.103549	6.136086	6.176476	6.118119	6.037105	6.112139	6.847322	6.724662	6.710426	6.078617	6.138449	6.134035
LYNX1	ENSG0000	0.183407	4.007022	2.678715	0.015599	0.041421	-3.89527	3.19722	3.027527	3.217639	3.503067	4.040879	3.689474	3.178682	3.102941	3.199964	4.517783	4.51019	4.500578	5.477839	5.322591	5.345877	4.77149	4.73304	4.684858
FAR2P1	ENSG0000	-0.38383	-0.35198	-3.10985	0.00621	0.020023	-2.72683	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.003384	4.166964	3.513924	3.675081	3.637228	3.693316	3.341669	3.449945	3.591857
MED14	ENSG0000	0.37741	6.465404	4.789678	0.000158	0.00109	0.281819	6.141817	6.215193	6.146141	6.94132	6.903447	6.971994	6.800697	6.793275	6.678454	6.244453	6.244112	6.168245	6.475784	6.395597	6.384329	6.378845	6.37444	6.427498
FAHD1	ENSG0000	-0.0774	5.386798	-1.29931	0.210716	0.318008	-6.42241	5.067938	5.303682	5.281005	5.59472	5.514478	5.646163	5.218618	5.255104	5.247756	5.466817	5.421918	5.627664	5.607741	5.672341	5.609485	5.394346	5.405901	5.265357
TDRP	ENSG0000	-0.14535	4.030719	-1.18826	0.250627	0.365036	-6.15972	5.015692	4.99613	5.11242	4.765896	4.789085	4.772519	4.950956	4.784126	4.889843	3.265521	3.423044	3.133657	3.513977	3.793216	3.658454	3.298901	3.046116	3.202807
RCC1	ENSG0000	-0.12406	7.135414	-1.04825	0.308802	0.428431	-6.97163	6.4453	6.450203	6.440242	5.935739	5.949389	5.743822	6.587536	6.67583	6.515583	8.140516	8.000012	8.082192	8.140582	8.089463	8.089367	7.7823	7.810193	7.786451
PRKRA	ENSG0000	0.19727	5.21538	3.387893	0.003389	0.012361	-2.60089	5.086148	5.181722	5.137743	5.591153	5.557954	5.461637	5.282018	5.323347	5.342774	5.109782	5.087685	5.037335	5.237136	5.213825	5.13383	5.340537	5.176796	5.29338
HERC2P3	ENSG0000	0.023297	0.698051	0.091265	0.92832	0.953079	-5.99667	3.142584	2.853456	3.384088	3.142765	3.033076	3.419122	3.388228	3.196885	2.959482	0.34397	0.640699	0.594297	0.294634	0.484926	0.533283	0.457048	0.504542	0.409347
ZNRF2	ENSG0000	-0.03692	2.777774	-0.3848	0.705024	0.789874	-6.60607	3.142584	2.836538	2.966237	2.887595	2.881616	2.865864	2.724622	2.676938	2.892531	3.145032	3.023743	3.254982	2.902055	2.850343	2.98783	3.307556	3.277464	3.050576
ZNF816	ENSG0000	0.129862	2.631824	1.330699	0.200389	0.305321	-5.91375	1.927307	2.068355	2.018628	2.021307	2.03796	1.799787	1.762502	2.420731	1.962896	3.479955	3.682218	3.636224	4.151547	4.045377	4.024267	3.737235	3.651889	3.840032

FGD6	ENSG0000	-0.59776	5.388151	-6.77106	2.82E-06	4.85E-05	4.465431	5.288426	5.275715	5.267957	4.400654	4.376555	4.702062	4.402637	4.256466	4.122646	6.453384	6.428144	6.344338	6.15801	6.112879	6.078955	5.923967	6.059258	6.079643
OAZ2	ENSG0000	-0.03515	5.979989	-0.53038	0.602521	0.705208	-7.23067	6.239421	6.258705	6.234306	5.845818	5.72937	5.735705	6.143489	6.32478	6.208941	5.966378	5.939825	6.001619	5.798622	5.962621	5.898018	5.911246	5.917862	5.948712
ALX1	ENSG0000	0.689966	-1.69528	2.656823	0.016333	0.042865	-3.00412	1.519087	1.327092	1.585853	2.21912	2.193078	2.402038	1.867984	2.069791	2.202855	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
CCDC43	ENSG0000	-0.16483	5.598324	-2.95964	0.008586	0.025749	-3.5864	5.954295	5.871329	5.783216	5.591153	5.454395	5.525804	5.824425	5.862728	5.819027	5.8117	5.721408	5.831609	5.318904	5.226323	5.168932	5.537346	5.405901	5.617869
MEIOC	ENSG0000	-0.43915	0.106345	-1.63537	0.119852	0.205793	-5.04137	0.814199	0.410755	0.219246	0.841981	0.625525	0.3528	0.548589	0.387194	0.256032	2.589954	2.741	2.558044	1.838325	1.393161	1.722572	2.300453	2.101639	2.252429
FZD2	ENSG0000	0.023861	2.363041	0.072578	0.942966	0.963186	-6.41063	3.026682	3.370829	3.500214	3.21869	3.47236	2.904994	3.094248	3.214961	3.124172	1.586365	1.55885	1.562415	2.892375	3.183414	3.064395	2.055273	1.707432	1.58715
TIGD2	ENSG0000	-0.24503	4.230024	-2.10211	0.050325	0.104197	-5.0552	3.895419	4.101775	4.065319	3.342644	3.242978	3.27721	3.941119	3.84524	3.641718	4.977839	4.939615	4.925267	5.090337	5.115127	5.131289	4.667743	4.81246	4.675424
HCLS1	ENSG0000	-0.03237	0.540957	-0.16531	0.870595	0.912897	-6.14406	1.519087	1.591918	1.358564	0.934951	1.006428	0.984419	1.317361	1.491012	1.50602	1.158593	1.403073	1.514616	1.548989	1.203912	1.247156	1.571317	1.072305	1.461048
MTURN	ENSG0000	-0.3758	3.226604	-1.9566	0.066566	0.129983	-4.99625	3.300651	3.209365	3.408073	2.840308	3.033076	3.086148	2.340763	2.069791	2.309357	3.528929	3.554746	3.712353	4.673561	4.657043	4.76576	3.530961	3.537548	3.621636
ZNF609	ENSG0000	0.867242	6.632829	14.61265	3.11E-11	8.35E-09	16.04054	6.140075	6.210276	6.122779	7.243498	7.316996	7.372638	7.192076	7.121412	7.143075	5.907408	6.011708	5.773141	6.840417	6.723781	6.706165	6.624635	6.699045	6.529201
PAK2	ENSG0000	-0.06585	7.173115	-1.93845	0.068892	0.133519	-5.71424	7.389472	7.400148	7.407672	7.152056	7.204085	7.253576	7.443134	7.361441	7.343327	7.179626	7.164563	7.181042	6.867843	6.888538	6.8713	7.077871	6.992047	7.125535
CCDC66	ENSG0000	0.102902	3.279133	0.964266	0.348066	0.469327	-6.30028	3.58303	3.260998	3.384088	3.605613	3.47236	3.485165	3.80164	3.633086	3.306673	3.367773	3.494263	3.093551	3.165832	3.503965	3.470269	3.218571	3.385297	3.444131
EMC3-AS1	ENSG0000	-0.38608	1.761774	-2.92077	0.009332	0.02753	-3.04967	1.861169	1.849715	2.049454	1.022291	0.92021	1.526279	1.917967	1.658879	1.826075	3.520882	3.654848	3.573456	1.797417	1.793303	1.488568	3.152846	3.081525	3.291935
MCFD2	ENSG0000	0.265749	8.338521	4.17161	0.000606	0.003127	-1.2328	8.135753	8.131698	8.105506	8.620245	8.535172	8.591291	8.457271	8.507323	8.502326	8.270696	8.197286	8.244601	8.204562	8.201314	8.246679	8.427171	8.3525	8.445464
HARBI1	ENSG0000	-0.18222	2.653344	-1.89553	0.074683	0.142399	-4.8871	3.223781	2.982098	2.94999	3.255206	3.225109	3.335661	2.724622	2.777669	2.748518	2.736149	2.66072	2.806521	2.749557	2.756951	2.756856	2.719047	2.649824	2.706008
C11orf71	ENSG0000	-0.85658	1.911085	-7.1452	1.40E-06	2.80E-05	5.548017	1.475543	1.744817	1.585853	1.978268	1.666451	1.526279	0.886508	1.430416	1.0941	3.255856	3.195032	3.360144	3.809739	3.940055	3.767168	2.417026	2.568968	2.59029
GAS1	ENSG0000	2.517748	-0.95775	6.597364	3.94E-06	6.22E-05	4.107605	1.959273	1.744817	1.954926	3.605613	3.820593	3.711713	4.367093	4.397684	4.396744	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ARHGAP45	ENSG0000	0.125666	3.311022	1.445873	0.165907	0.264318	-6.02959	2.051128	2.039077	2.018628	2.063099	2.333126	2.455733	1.867984	1.901414	1.777424	4.769473	4.981528	5.170532	4.948071	5.000472	4.923833	5.134631	5.240838	5.06679
ZNF571	ENSG0000	0.16044	2.028793	0.71732	0.482654	0.601333	-6.26385	2.245129	2.206444	1.888281	1.393812	1.612488	2.132113	2.01302	2.220554	2.309357	2.574485	2.405511	2.25768	3.303673	3.162755	3.353069	2.568742	2.410923	2.724423
MIGA1	ENSG0000	0.043208	5.306722	0.463291	0.648873	0.745753	-7.12867	5.531062	5.291319	5.49208	5.547654	5.484749	5.59324	5.875913	5.730749	5.79784	5.183009	5.14044	5.172459	5.14231	5.246098	5.224807	4.882828	4.907602	4.96205
NRIP1	ENSG0000	-0.17556	6.249015	-2.76858	0.012906	0.035692	-4.07571	6.099415	6.041536	6.165618	5.960829	5.902377	5.921298	5.824425	5.640007	5.673738	6.59331	6.570429	6.522559	6.71148	6.771466	6.825679	6.504618	6.504055	6.611893
TSPYL5	ENSG0000	0.259617	2.611968	2.874963	0.010292	0.029753	-3.47028	1.519087	1.226787	1.406977	1.256461	1.164793	1.757653	0.782422	1.231675	1.244857	4.64911	4.771408	4.64632	4.731716	4.736081	4.688381	5.039116	5.036489	4.930673
H2AC6	ENSG0000	0.207655	4.904522	3.33763	0.003783	0.013479	-2.72122	3.313074	3.439663	3.309643	4.456603	4.177232	4.315882	3.916741	3.809996	3.586306	5.591166	5.774826	5.742345	6.847949	6.840569	6.840528	5.856262	5.869726	5.826176
EIF2S3B	ENSG0000	0.338079	0.136232	1.159699	0.261769	0.377596	-5.73776	0.41387	0.499412	0.421314	0.395333	0.92021	0.106501	0.415731	0.106501	0.833554	2.543041	2.193623	2.136592	2.479079	2.642244	2.449456	2.652661	2.552239	2.760563
SKIDA1	ENSG0000	-0.87243	1.086992	-4.47327	0.000314	0.001862	0.441773	2.798329	2.596389	2.641489	2.840308	2.762786	2.825643	1.70672	1.710758	2.127218	1.239286	1.152172	1.277453	0.869014	1.16289	1.08859	0.930351	0.816175	1.058313
H2BC4	ENSG0000	0.730168	1.224784	5.599347	2.88E-05	0.000287	2.66004	0.882475	0.940485	0.679585	1.688986	1.437317	1.840725	1.160105	1.367163	1.171446	2.100009	1.875739	1.839597	2.940139	2.784257	2.942182	2.417026	2.649824	2.277588
MB21D2	ENSG0000	-0.14884	4.188712	-1.85844	0.080031	0.150599	-5.28455	5.297832	5.161486	5.159101	4.944216	4.758354	4.854763	4.986526	4.87219	4.895553	3.560679	3.463043	3.579277	3.581798	3.576046	3.494191	3.552967	3.636099	3.650813
ZNF594	ENSG0000	0.553706	2.901273	7.177849	1.32E-06	2.67E-05	5.579827	2.021155	2.039077	1.921989	2.955742	3.073582	2.961768	2.545421	2.540248	2.501332	3.294134	3.356645	3.195594	4.135224	4.303069	4.01878	3.768919	3.698248	3.734962
PCGF5	ENSG0000	0.357463	4.827818	2.036631	0.057128	0.115218	-4.9987	6.244294	6.12924	6.259244	6.859189	6.703408	6.915629	6.675525	6.753634	6.694921	3.446357	3.517242	3.513924	3.031169	2.756951	2.99902	3.39949	3.485627	3.189613
YOD1	ENSG0000	-0.10312	5.281377	-1.72945	0.101349	0.180778	-5.815	5.653347	5.444322	5.332045	5.241304	5.059965	5.118843	5.490461	5.481041	5.424038	5.493793	5.35759	5.409798	5.083973	5.173088	5.229565	5.255863	5.193075	5.308717
TMEM64	ENSG0000	0.052139	6.257946	0.37981	0.708662	0.793138	-7.2982	6.365544	6.455753	6.434415	7.217131	7.092711	7.16064	6.689981	6.70969	6.619295	5.967858	6.019777	5.925985	5.623918	5.686883	5.654408	5.78677	5.780968	5.824043
SMG1P3	ENSG0000	-0.02096	1.766127	-0.15948	0.875121	0.916294	-6.36226	2.051128	1.883052	2.018628	2.359902	2.520598	2.346268	1.70672	2.069791	2.087859	2.263275	2.011405	2.152295	2.491955	2.084417	2.382676	2.247458	2.146913	1.942153
GPR157	ENSG0000	1.342567	5.490294	16.57599	3.95E-12	1.94E-09	18.10355	3.572735	3.505362	3.544167	4.392481	4.58706	4.651187	5.183289	5.155666	5.304656	6.145857	6.208082	6.081709	6.431353	6.446693	6.45307	7.376184	7.290724	7.357073
WDFY3-AS	ENSG0000	0.616646	0.42434	2.672853	0.015793	0.041786	-3.14716	0.587539	1.061904	0.598525	1.182548	0.828511	1.055701	1.317361	1.367163	1.244857	1.278001	1.435603	1.277453	1.711947	1.871771	1.876113	1.734264	1.16325	1.626848
SLC36A4	ENSG0000	0.266127	4.12024	2.096485	0.050878	0.105145	-4.96583	3.944154	3.888531	3.783005	4.190466	4.293254	4.420855	4.520565	4.38177	4.542164	4.35077	4.399113	4.324649	3.778549	3.933972	3.886451	4.23146	4.432969	4.38838
ZDHHC20	ENSG0000	0.550645	6.193959	9.699793	1.87E-08	1.04E-06	9.537377	5.266237	5.398948	5.261389	6.07247	6.091772	6.068583	6.051319	6.126568	5.926124	6.413731	6.281503	6.303608	6.788521	6.732569	6.828818	6.740233	6.7384	6.788555
ZFP3	ENSG0000	-0.15406	0.514652	-1.23847	0.23192	0.343015	-6.0639	0.216396	0.316291	0.323815	0.258133	0.25478	0.106501	0.106501	0.106501	0.256032	4.098381	4.237848	3.986493	4.470601	4.269646	4.265755	3.940112	4.11758	3.969186
ARSJ	ENSG0000	0.075703	5.087651	0.613243	0.547614	0.658366	-7.09626	4.688657	4.614695	4.531653	4.299384	4.061165	3.897801	4.174919	4.040332	3.946814	5.728536	5.843106	5.730625	6.27624	6.256285	6.196617	6.135629	6.062215	6.036078
MAP3K15	ENSG0000	0.315198	-0.84382	0.77226	0.450277	0.570752	-5.54328	1.642349	1.883052	1.62731	2.48816	1.909591	2.22781	1.317361	2.029503	1.918715	0.106501	0.259702	0.288049	0.171976	0.190544	0.186984	0.257084	0.358227	0.315289
PPA1	ENSG0000	-0.09113	7.589068	-1.73898	0.099619	0.178229	-6.05865	7.836122	7.835945	7.763069	8.138666	8.106662	8.083994	7.748676	7.774115	7.738339	7.366928	7.365233	7.35355	7.308199	7.312069	7.301776	7.222762	7.236779	7.253096
PSMG4	ENSG0000	-0.15205	3.989639	-1.92827	0.070228	0.135481	-5.27906	3.895419	3.741788	3.638424	3.376187	3.656958	3.510758	3.219115	3.26787	3.586306	4.537862	4.609763	4.665597	4.763924	4.615839	4.804542	4.598895	4.613145	4.477932
MAP6D1	ENSG0000	0.288143	1.886969	2.382238	0.028804	0.067079	-3.9794	2.080492	1.744817	1.888281	1.634586	2.078331	1.956998	2.186178	2.108984	2.005764	2.444376	2.646894	2.682227	2.129525	2.23054	2.294605	3.011667	2.854728	2.610232
ZNF443	ENSG0000	0.080946	1.462783	0.570092	0.575871	0.683636	-6.21786	1.561356	1.508929	1.54317	1.634586	1.718467	1.993763	1.867984	1.430416	1.50602	2.224158	2.469748	2.088428	2.009285	2.250257	2.10048	2.192442	2.254246	2.507643
PDIA3P1	ENSG0000	-0.03872	1.919647	-0.24223	0.811423	0.87046	-6.51562	1.791852	1.327092	1.78216	2.21912	1.437317	1.880533	2.01302	1.367163	1.50602	2.817246	2.935512	2.86487	3.066031	3.098942	3.021143	3.190769	2.429363	2.84714
GREM2	ENSG0000	1.36789	1.31564	4.578947	0.00025	0.001547	0.636846	5.616234	5.697188	5.68602	7.4701	7.368776	7.430773	7.022527	6.979267	7.102918	0.190076	0.106501	0.106501	0.234608	0.190544	0.106501	0.183756	0.19538	0.106501
SSR4	ENSG0000	0.285649	7.439838	4.886427	0.000129	0.000923	0.421236	7.730681	7.648745	7.665081	8.380471	8.480676	8.402108	8.06864	8.015614	8.055149	6.673544	6.637508	6.701987	7.039377	6.972543	7.024944	6.916787	6.850408	6.823142
CAPS2	ENSG0000	0.323689	1.215583	1.086423	0.292049	0.410708	-5.58923	1.990546	2.258179	2.018628	2.143217	1.953662	2.429135	2.340763	2.676938	2.588518	1.073118	0.986408	1.061592	2.009285	1.766169	2.07955	0.974502	1.072305	1.115245
ZNF792	ENSG0000	0.668854	1.295351	3.257032	0.00451	0.015494	-2.1259	1.010037	0.661886	0.756332	1.933905	2.078331	1.475193	1.648695	1.760835	1.38134	2.078238	2.174476	2.021603	2.749557	2.50126	2.449456	2.509956	2.124453	2.326628
CUEDC1	ENSG0000	0.140403	5.904877	1.48655	0.15495	0.250734	-6.28076	5.476884	5.460976	5.508813	5.598277	5.800478	5.671913	5.082792	5.028565	5.274297	6.059601	6.113234	6.09599	6.73062	6.694395	6.644261	6.541774	6.512728	6.469044
SCRIB	ENSG0000	-0.01793	7.372127	-0.19802	0.845311	0.89535	-7.51703	7.13865	7.172201	7.336029	6.844286	6.984017	6.804908	7.067511	6.869431	6.91751	7.481767	7.615115	7.741983	7.895807	7.801983	7.82551	7.934994	7.811511	7.62246
KCTD2	ENSG0000	0.847861	5.672695	10.22677	8.47E-09	5.83E-07	10.39298	4.375799	4.342481	4.424025	5.660858	5.589722	5.556848	5.527156	5.546744	5.577558	5.865123	5.870134	5.696222	6.500686	6.382256	6.429485	6.508377	6.409694	6.438695
D2HGDH	ENSG0000	-0.28214	4.318533	-2.27607	0.035685	0.07938	-4.6471	4.69816	4.706012	4.970641	4.517996	4.551652	4.226032	4.154215	4.316298	4.252911	4.098381	4.157244	4.231625	4.589193	4.612034	4.613913	4.103106	4.11758	4.150354
OXTR	ENSG0000	0.005353	3.262722	0.021191	0.983333	0.989587	-7.07552	3.011517	2.784561	2.916938	1.256461	1.556428	1.367251	1.317361	1.710758	1.0941	4.641707	4.599033	4.830842	6.051137	6.099354	6.12437	5.018176	4.826442	4.934632
CMTR2	ENSG0000	-0.00412	5.097668	-0.08671	0.931886	0.955294	-7.24689	4.825019	4.937835	4.758481	4.938614	4.854473	4.874612	4.688362	4.866483	4.782996	5.501993	5.463921	5.435695	5.351063	5.443133	5.350253	5.473398	5.482955	5.518482
FAM83H	ENSG0000	0.01615	7.06559	0.129561	0.898393	0.9323	-7.51836	6.226345	6.35837	6.47472	5.746715	6.051781	5.894815	5.687041	5.711779	5.863407	7.833266	7.963877	8.044295	8.221332	8.223927	8.231935	8.466349	8.31177	8.129494
ZNF572	ENSG0000	-0.19753	-0.2992	-1.56746	0.134934	0.225412	-5.44753	0.216396	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	3.403229	3.524821	3.532043	3.449427	3.568213	3.665494	3.218571	3.449945	3.228839
ST20	ENSG0000	0.113994	0.537514	0.392947	0.69911	0.785162	-6.13474	0.318509	0.940485	0.964748	1.326771	1.164793	1.055701	1.389995	0.915275	0.735084	2.121457	2.011405	1.67541	1.597456	1.560439	1.801384	1.759719	1.613793	2.003758
PITPNB	ENSG0000	0.015877	7.122094	0.433604	0.66988	0.76266	-7.41146	7.121978	7.144976	7.133336	6.907307	6.906253	7.011748	7.152173	7.260623	7.258353	7.265217	7.234986	7.265592	7.030579	7.020694	7.054071	7.170934	7.166381	7.285238
TCEAL8	ENSG0000	-0.07267	5.251251	-1.06656	0.300681	0.419698	-6.56054	6.431123	6.465415	6.392951	6.354972	6.387211	6.250487	6.138227	6.276108	6.385689	4.146251	4.077032	4.352105	4.294375	4.293598	4.315833	4.298124	4.211138	4.347382
LRRC57	ENSG0000	-0.001	4.93996	-0.01114	0.991241	0.993936	-7.19692	5.32262	5.372784	5.274496	4.821743	4.745876	4.656929	5.233498	5.210752	5.220718	4.86157	4.784095	4.830842	4.92689	4.830791	4.952895	4.917167	4.907602	4.918728
MRPL14	ENSG0000	-0.25428	5.664224	-5.07096	8.69E-05	0.000681	0.949714	5.870624	5.82919	5.769395	5.1029	5.128856	5.106307	5.360933	5.525174	5.455304	6.100676	6.091707	6.162441	5.714599	5.704857	5.704825	5.985944	5.975466	5.904981
GPR137C	ENSG0000	0.407976	-0.07355	1.299246	0.210738	0.318008	-5.40533	0.318509	0.106501	0.106501	0.841981	0.512209	0.563119	0.415731	0.509405	0.515351	1.865926	2.212518	1.951531	2.781373	3.032175	2.833866	2.26534	1.67689	1.81044
BBS12	ENSG0000	0.342341	1.693394	2.314845	0.033012	0.074835	-3.89824	1.959273	1.631689	1.888281	3.162124	2.835252	2.980206	2.186178	1.945386	2.440135	1.555182	1.616737	1.387696	2.661114	2.533802	2.528806	1.599785	1.478665	1.877799
ZFP82	ENSG0000	0.192383	2.467722	1.804775	0.088368	0.161939	-5.13908	2.392887	1.883052	2.248556	1.978268	2.193078	1.993763	2.607661	2.147141	2.274723	3.102524	3.136872	3.305013	3.157774	3.338827	3.445943	3.501087	3.204393	3.340497
NQO1	ENSG0000	0.322637	9.992409	1.687206	0.109328	0.19177	-6.28528	10.22516	10.24448	10.19698	11.23586	11.24681	11.17076	10.91842	10.91518	10.8715	9.44857	9.372791	9.441641	8.800925	8.910968	8.872006	9.347678	9.306521	9.368364
AEN	ENSG0000	-0.13422	6.901169	-2.75633	0.013245	0.03641	-4.16032	7.716138	7.730575	7.705562	6.773673	6.880799	6.750895	7.540081	7.446138	7.446121	6.829918	6.678008	6.801195	6.095052	5.854058	5.975122	6.749792	6.726333	6.764286
FKRP	ENSG0000	0.04473	4.676982	0.715446	0.483782	0.602154	-6.88573	4.730936	4.658672	4.874926	4.532944	4.831037	4.668345	4.695544	4.637703	4.801363	4.835851	4.784095	4.781207	4.518584	4.588991	4.599282	4.96719	4.884398	4.827974
RPH3AL	ENSG0000	0.032886	4.905529	0.447996	0.65966	0.754904	-7.05649	5.356021	5.355074	5.27123	5.12773	5.089893	5.167927	5.535185	5.506949	5.693539	4.652797	4.732663	4.806238	4.441025	4.450973	4.419411	4.598895	4.521577	4.494122
SLC25A42	ENSG0000	0.689479	0.788961	4.393002	0.000374	0.002134	0.275692	1.12723	0.8079	0.679585	1.688986	1.768674	1.475193	0.886508	1.367163	1.0941	1.199504	1.403073	1.248523	2.439743	2.433888	2.497588	1.759719	1.851139	1.665483
METTL23	ENSG0000	0.01394	4.217257	0.150943	0.881749	0.921473	-6.99526	3.87042	4.210824	3.906009	4.612502	4.701332	4.460795	4.174919	3.913244	4.207726	4.098381	4.292151	4.382382	4.595172	4.642195	4.649854	4.46216	4.017531	4.143528
SLC26A11	ENSG0000	-0.03198	4.469479	-0.26667	0.792847	0.855989	-7.03998	4.2778	4.268725	4.042515	4.87551	4.854473	4.645422	4.666597	4.474723	4.680887	4.645413	4.702905	4.721931	4.704315	4.600559	4.464508	4.398766	4.357943	4.268007
HIGD1A	ENSG0000	-0.10352	5.173084	-1.84316	0.082332	0.15377	-5.63324	5.153322	5.030008	5.097747	4.910272	4.933626	4.946703	5.248226	5.048863	5.041756	5.610256	5.575777	5.607869	5.056064	5.231292	5.115953	5.371825	5.435851	5.442654
MAPK15	ENSG0000	0.307735	2.404982	3.460434	0.002891	0.010923	-2.18634	0.587539	0.940485	0.756332	1.457877	1.373859	1.714252	0.548589	1.001115	0.735084	4.332495	4.467566	4.246333	6.04896	5.819829	5.923201	4.515433	4.680124	4.806527
EHMT1	ENSG0000	-0.0241	6.491834	-0.44623	0.660913	0.755839	-7.34651	6.206505	6.255527	6.267462	6.125209	6.243717	6.168443	6.116986	5.999368	5.970082	6.725241	6.776532	6.770999	7.041568	6.92733	6.959146	6.914664	6.856383	6.833783
F2R	ENSG0000	0.936675	4.496407	4.782225	0.000161	0.001102	0.568972	3.710582	3.912946	3.854572	4.40878	4.416469	4.454215	5.374422	5.348128	5.455304	4.048869	4.278766	4.108233	5.012045	5.043483	5.025827	4.473742	4.621188	4.632189
HLA-V	ENSG0000	0.243694	-0.18928	1.798232	0.089435	0.163311	-5.1892	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.39151	3.560679	3.761343	3.353367	3.429485	3.393046	3.470269	3.711377	3.728346	3.761956
ZNF707	ENSG0000	-0.03724	4.146916	-0.57079	0.575405	0.683202	-6.9572	3.249862	3.286138	3.408073	3.392671	3.410458	3.432575	3.19904	2.848856	3.044176	5.099011	5.038233	5.141322	5.603298	5.487419	5.495593	5.180117	5.206502	4.977487
MUC16	ENSG0000	-0.43293	3.74958	-2.56431	0.019812	0.04996	-4.14867	2.051128	2.283367	2.37563	2.661411	2.737798	3.27721	2.186178	2.568641	2.501332	5.198228	5.610027	4.598401	6.248053	6.108835	6.292956	4.507942	4.576385	4.749225
NPM1	ENSG0000	-0.12575	10.18794	-3.8947	0.001113	0.005091	-1.94864	10.87622	10.86937	10.82805	10.40948	10.33576	10.33416	10.63308	10.69963	10.66542	9.933456	9.852381	9.895506	9.483485	9.551266	9.530057	9.797594	9.827219	9.885085
PJA1	ENSG0000	0.485218	0.887621	1.371643	0.187527	0.289974	-5.08487	4.416666	4.12982	4.222364	5.176143	5.059965	5.050687	4.702691	4.771967	4.7071	0.269074	0.185134	0.230035	0.407676	0.484926	0.106501	0.393424	0.19538	0.214669
DHTKD1	ENSG0000	0.126505	5.19346	1.101976	0.285416	0.403052	-6.55211	5.946343	6.000355	6.153254	5.714295	5.690831	5.770552	6.281144	6.349536	6.284872	4.455814	4.47541	4.362268	4.604095	4.573423	4.628397	4.410866	4.288934	4.335451
H2AW	ENSG0000	-0.55207	4.085842	-1.87866	0.077075	0.146089	-5.33062	4.387594	4.522504	4.37619	3.20008	3.734793	3.18484	3.094248	3.285084	3.628063	4.299944	4.278766	4.392334	5.545796	5.564254	5.578118	4.213151	4.145732	3.856822
ZNF746	ENSG0000	-0.28704	5.154137	-3.27033	0.004381	0.015146	-2.84437	6.176225	6.111769	6.200371	5.015132	5.171467	4.908703	5.856819	5.592401	5.646906	4.930021	4.987026	5.024594	4.390344	4.442428	4.431851	4.928434	4.965609	4.797858
POLR2A	ENSG0000	-0.29467	8.345481	-6.907	2.18E-06	4.01E-05	4.50452	8.846139	8.858176	8.91666	8.379954	8.302031	8.511532	8.517276	8.421387	8.588133	8.372594	8.322426	8.299181	7.960062	7.818586	7.870375	8.064791	8.138725	8.115173
TLCD5	ENSG0000	-0.57078	1.551653	-1.88264	0.076504	0.14517	-4.5574	3.887134	3.732673	3.668523	3.020814	3.34578	3.168853	3.352323	2.848856	2.981126	0.609835	0.986408	0.884879	1.088368	1.591687	1.355599	0.837776	0.69947	1.222783
FRAT2	ENSG0000	-0.01052	2.841248	-0.09672	0.924048	0.949994	-6.69278	2.369288	2.49222	2.326135	2.864145	3.053471	3.216292	2.446718	2.981485	2.670735	3.303547	3.348126	3.406715	3.629193	3.487446	3.629946	3.094024	3.215061	3.267027
TMEM102	ENSG0000	0.017241	2.577547	0.162157	0.873042	0.914758	-6.59171	2.505419	2.403106	2.469799	3.020814	2.835252	2.675323	2.186178	2.069791	2.239236	2.722179	2.829342	2.86487	3.60569	3.759216	3.6725	3.043104	3.022017	2.84714
ZNF322	ENSG0000	0.25134	3.780384	2.67336	0.015776	0.041757	-3.7683	3.58303	3.39414	3.533304	4.236852	3.855857	4.186878	4.045989	3.90213	3.979442	3.864012	3.675424	3.712353	4.249584	4.089828	4.189664	3.906321	3.612085	3.945834
LRRC75A	ENSG0000	0.453788	0.100158	1.461239	0.161695	0.259262	-5.05751	1.010037	1.002471	0.421314	0.934951	1.087782	1.250575	1.389995	0.509405	0.925731	1.158593	0.695454	1.360915	1.667235	1.393161	1.247156	1.214313	1.513652	1.322858
DDX60L	ENSG0000	-0.1234	5.905286	-1.16621	0.259195	0.374413	-6.6543	6.318568	6.457138	6.311046	6.248061	6.081878	6.242871	5.850398	5.910652	5.735532	5.556156	5.698134	5.496937	5.74987	5.839488	5.750232	5.77121	5.814676	5.915037
SYNE4	ENSG0000	-0.35601	1.146032	-2.18892	0.042442	0.091205	-4.68246	1.12723	0.875715	0.756332	0.106501	0.25478	0.2349	0.269385	0.387194	0.39151	4.313985	4.296585	4.197974	4.25337	4.210485	4.109334	3.967679	4.111883	3.930053
OGFOD3	ENSG0000	0.005724	5.776513	0.136639	0.892878	0.928335	-7.34756	5.517707	5.538865	5.480815	5.514147	5.657909	5.628736	5.56294	5.443204	5.548858	5.946988	6.042395	6.160501	6.117038	6.069144	6.069697	6.087439	6.060737	6.02312
WASHC1	ENSG0000	-0.32439	3.124227	-2.83491	0.01121	0.031838	-3.34618	3.397161	3.472886	3.500214	2.688367	2.835252	2.865864	3.050103	2.702788	3.104585	3.629659	3.501964	3.513924	3.593793	3.544454	3.707028	3.43152	3.317614	3.364179
DDN	ENSG0000	0.751109	0.10583	2.617988	0.017716	0.045703	-3.22095	0.587539	0.736739	0.829201	0.52061	1.164793	1.250575	1.70672	0.915275	1.50602	1.352446	1.029669	1.49011	0.945898	0.888753	0.760679	1.512637	1.406038	1.58715
ZNF467	ENSG0000	0.856206	1.854359	2.926312	0.009222	0.027267	-2.70213	3.210562	3.155816	3.231147	4.359318	4.500575	4.34463	3.879385	3.711575	3.968647	0.34397	0.462741	0.726056	2.044674	2.127698	1.970087	1.017342	0.975239	0.93723
SOX2	ENSG0000	0.56206	3.887821	1.835743	0.083469	0.15526	-5.28156	2.833249	2.636038	2.933559	5.147291	4.836932	4.983728	4.264577	4.138304	4.313883	4.048869	4.092415	4.096105	3.974777	3.970091	3.974116	4.005409	3.929587	3.770842
ZNF678	ENSG0000	-0.02468	3.968678	-0.30339	0.765175	0.835561	-6.95087	4.186225	4.036608	4.065319	4.052041	3.912781	3.888069	4.068294	4.166444	4.063004	4.341661	4.314187	4.282459	3.629193	3.710228	3.608189	4.199264	4.2788	4.317368
TMEM45A	ENSG0000	1.607628	2.75639	8.994884	5.68E-08	2.42E-06	8.649607	0.947665	1.118985	1.088647	3.162124	3.093416	3.335661	2.144798	2.290412	2.440135	2.856146	3.373534	2.87437	4.427684	4.455227	4.377153	4.406844	4.473517	4.311289
RAP2B	ENSG0000	-0.28697	5.504778	-3.21363	0.004957	0.016774	-3.04682	5.768329	5.685425	5.852589	5.26388	4.922581	5.219282	5.30568	5.228657	5.304656	5.647693	5.732906	5.808257	5.707717	5.711984	5.715039	5.643712	5.653435	5.507891
ZBTB2	ENSG0000	0.240289	4.59462	2.980718	0.008205	0.024818	-3.39031	4.179456	4.204245	4.262385	4.333937	4.416469	4.512384	4.454362	4.533523	4.782996	4.896201	4.910981	5.056239	4.755939	4.529722	4.677975	5.062316	5.089629	5.157678
RNF135	ENSG0000	1.190114	4.732808	15.83495	8.38E-12	3.14E-09	17.22733	4.559062	4.490417	4.59048	5.839819	5.876854	5.911724	5.771031	5.730749	5.785592	3.358771	3.330936	3.353367	4.878679	4.882244	4.897167	4.466031	4.298997	4.370952
ACBD4	ENSG0000	-0.4355	3.246561	-2.00596	0.060592	0.120786	-4.71612	4.988842	4.937835	4.962565	4.569652	4.688349	4.543715	4.31208	4.421231	4.279358	2.100009	1.8028	1.969371	2.921223	2.686334	2.795875	2.115663	2.146913	2.033602
SGSH	ENSG0000	0.264554	5.489083	4.58363	0.000247	0.001536	-0.08783	4.516725	4.47956	4.44736	4.701197	5.094821	5.033133	4.812472	4.630987	5.005251	5.986972	6.068559	6.144887	6.624255	6.48776	6.569296	6.29319	6.318652	6.275002
FANCB	ENSG0000	-0.09	1.505746	-0.28146	0.781662	0.847272	-6.39654	2.137484	2.152784	2.049454	1.74141	1.953662	1.840725	2.226405	2.389238	2.239236	2.856146	3.065914	2.592986	0.656707	0.938214	0.533283	2.539649	2.410923	2.570068
SETD2	ENSG0000	-0.0199	6.548726	-0.33079	0.744737	0.820426	-7.38816	6.62668	6.653448	6.681965	6.529092	6.415061	6.677936	6.662755	6.728687	6.688357	6.597143	6.675457	6.372265	6.421291	6.548742	6.45307	6.465512	6.344388	6.62175
C6orf223	ENSG0000	1.478809	1.308604	4.372216	0.000391	0.002214	0.062844	0.318509	0.582935	0.323815	1.688986	1.556428	1.526279	0.548589	1.082132	0.629397	2.749986	3.278101	2.974933	2.55467	2.533802	2.604018	4.276243	4.486784	4.274271
MEX3D	ENSG0000	0.540475	3.965299	5.572766	3.04E-05	0.0003	2.271885	2.917019	3.07157	2.933559	3.503067	4.020303	3.655458	3.158032	3.214961	3.199964	4.266643	4.251617	4.536922	5.26928	5.263181	5.260115	5.215041	4.917433	4.694231
MRPS23	ENSG0000	-0.31069	6.825952	-5.22382	6.30E-05	0.000526	1.163264	7.239718	7.224344	7.111591	6.500859	6.561094	6.60109	6.714937	6.803764	6.655081	7.07083	6.956138	6.971302	6.736719	6.743045	6.729026	6.831585	6.866568	6.787461
GPR135	ENSG0000	-0.3364	0.405052	-1.48299	0.155885	0.252045	-5.01203	2.296082	2.179863	2.274882	1.256461	1.666451	1.840725	1.917967	1.988058	2.127218	0.934589	0.89579	0.921995	0.5125	0.484926	0.862212	1.099384	0.69947	0.497646
TNFSF15	ENSG0000	-0.53512	0.255113	-2.43964	0.025621	0.061156	-3.80779	0.318509	0.215206	0.219246	0.635873	0.730585	0.2349	0.106501	0.622068	0.39151	2.906434	3.146729	2.920951	3.221013	3.183414	3.126936	2.317694	2.410923	2.528753
ZFP41	ENSG0000	0.093925	3.978172	1.307594	0.207951	0.314588	-6.26668	3.142584	2.870177	3.162305	3.083078	3.033076	3.168853	2.908934	2.420731	2.846105	5.035466	5.087685	5.097381	5.413307	5.361637	5.418515	5.280253	5.292118	5.21089
PHLDA2	ENSG0000	0.118649	4.95469	0.898271	0.381249	0.503162	-6.89414	4.645102	4.83937	4.98267	3.472378	3.560502	3.523386	4.293266	4.050434	4.459769	5.759646	5.818649	6.118149	5.311659	5.201218	5.352435	6.51119	6.291189	6.048921
ATG9B	ENSG0000	-0.54233	0.089636	-1.98087	0.063565	0.125214	-4.75542	0.587539	0.8079	0.964748	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.265521	3.278101	3.109727	3.031169	3.301515	3.244428	2.679583	2.99751	3.149291
ZNF875	ENSG0000	0.476296	4.662632	4.674513	0.000203	0.001316	0.235114	3.156438	3.370829	3.190238	4.227693	4.051057	4.162865	4.185161	4.405576	4.404775	5.213289	5.288033	5.247482	5.957922	5.984858	5.884506	5.457931	5.507029	5.513196
PLAG1	ENSG0000	0.429529	0.003691	2.317613	0.032828	0.074443	-4.19529	0.106501	0.106501	0.106501	0.106501	0.25478	0.3528	0.415731	0.106501	0.256032	3.331423	3.455132	2.902498	3.757374	4.028349	3.933868	3.462853	3.440885	3.487904
YIPF6	ENSG0000	0.398995	6.97748	4.640321	0.000219	0.001389	-0.0934	7.056066	6.964035	6.997657	7.434719	7.253404	7.316604	7.73915	7.724504	7.715923	6.602872	6.554781	6.574477	6.667463	6.658876	6.616376	6.647826	6.610913	6.680701
DIPK2A	ENSG0000	1.30705	3.766369	5.684032	2.42E-05	0.00025	2.638895	3.465529	3.114308	3.204003	4.827817	4.795153	4.76722	4.673889	4.771967	4.694053	3.091698	3.373534	3.269454	3.02232	3.263212	3.106389	4.203908	4.184245	4.115895
MACIR	ENSG0000	-0.16605	5.403073	-2.49987	0.022638	0.055494	-4.45094	5.987614	6.07618	6.015627	5.456512	5.554381	5.584228	6.130298	6.025209	5.895106	5.276793	5.235883	5.243822	4.878679	4.875912	4.87608	4.919992	4.946531	4.938581
AMIGO1	ENSG0000	0.639879	1.519412	3.18659	0.005257	0.017577	-2.22159	2.369288	2.068355	2.049454	2.325974	2.333126	2.258349	3.072345	2.981485	3.084728	1.490718	1.699433	1.277453	1.524131	1.393161	1.695314	1.734264	1.368306	1.370407
GPR3	ENSG0000	-1.20289	1.712546	-8.23465	2.01E-07	6.10E-06	7.397897	2.780548	2.802095	2.514675	1.688986	0.92021	1.310092	1.70672	1.430416	1.50602	3.629659	3.398501	3.373604	1.473091	1.357245	1.639204	2.494877	2.568968	2.59029
SIAH2	ENSG0000	0.066229	5.037795	1.035954	0.314345	0.434049	-6.69082	4.855064	4.885335	4.822347	4.674482	4.776871	4.580436	4.914487	4.981823	5.021009	5.264796	5.217293	5.332646	5.413307	5.489494	5.345877	5.344748	5.307153	5.271631
COPG1	ENSG0000	0.024131	7.720133	0.612691	0.54797	0.658739	-7.34318	7.846842	7.892799	7.872709	8.221162	8.189624	8.235585	7.85674	7.852707	7.895484	7.461938	7.330517	7.380467	7.574979	7.608841	7.552101	7.403188	7.438578	7.477996
LINC00471	ENSG0000	-0.41362	-0.14229	-1.46566	0.160501	0.257879	-5.06114	1.642349	1.226787	1.499186	0.635873	0.730585	0.461789	1.074544	0.726566	0.515351	1.158593	1.300837	1.027938	0.656707	0.837535	0.707101	1.387593	1.478665	0.999041
LSM10	ENSG0000	0.509255	5.212013	8.901929	6.60E-08	2.70E-06	8.371084	5.139438	5.05216	5.090354	5.654037	5.654575	5.671913	5.69064	5.656635	5.757647	4.806358	4.699561	4.847819	5.160571	5.051933	5.108223	5.19652	5.279468	5.033946
RELL1	ENSG0000	0.036726	1.119704	0.14748	0.884441	0.923202	-6.18345	1.475543	1.508929	1.706811	2.021307	2.333126	2.429135	1.762502	2.184314	1.962896	1.555182	1.55885	1.969371	1.308151	1.320413	1.488568	1.482378	1.406038	1.170016
RFX7	ENSG0000	0.133747	4.940734	2.214861	0.040317	0.087616	-4.87223	5.269428	5.237561	5.319453	5.536571	5.518152	5.617001	5.469665	5.439365	5.296047	4.501517	4.616873	4.268117	4.662213	4.722029	4.599282	4.519164	4.588743	4.656368
SLC35C1	ENSG0000	-0.01604	4.980985	-0.17832	0.860526	0.906409	-7.15216	4.992709	5.026283	5.090354	5.580401	5.60362	5.458352	4.812472	4.765849	4.795267	4.772865	4.68948	4.87173	5.172618	5.020703	5.023089	4.925625	4.884398	5.022829
RNF41	ENSG0000	-0.16086	6.036246	-2.74655	0.013521	0.037035	-4.07015	6.387736	6.380424	6.403429	6.102842	6.135476	6.044692	6.190001	6.265306	6.174129	5.927333	5.92128	5.878389	6.004721	5.971557	5.960886	5.769645	5.825159	5.720055
IBA57	ENSG0000	-0.07316	4.435172	-0.60908	0.550308	0.660991	-6.86689	5.237197	5.161486	5.152017	4.272916	4.384626	4.454215	5.032629	5.013152	5.229787	4.146251	4.127684	4.159641	4.167687	4.034047	4.213876	4.036981	4.211138	4.073428

CLDN7	ENSG0000	0.025789	5.64324	0.183348	0.856635	0.903313	-7.41191	4.574623	4.468622	4.621585	2.91067	3.073582	2.94309	4.111894	4.166444	4.288067	7.471365	7.407869	7.455959	7.458447	7.505983	7.489511	7.608886	7.601422	7.541039
ZNF329	ENSG0000	0.335311	4.094298	4.502977	0.000294	0.001764	-0.01314	3.701161	3.505362	3.65856	3.647423	3.616407	3.991672	3.988671	4.138304	3.935772	4.377757	4.278766	4.358889	4.795429	4.736081	4.719156	4.700972	4.563921	4.577525
ZNF101	ENSG0000	-0.15834	2.799923	-1.60646	0.126087	0.213996	-5.44438	3.128595	2.982098	3.204003	2.864145	2.835252	2.825643	2.607661	2.871824	2.798137	3.284659	3.232543	3.218152	2.83289	2.913535	2.716753	3.094024	3.171908	3.455199
OR4C6	ENSG0000	-0.54307	-1.48148	-3.34946	0.003686	0.013188	-1.84851	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.18395	1.989662	2.055402	1.838325	1.897007	1.900186	1.627702	1.513652	1.322858
C5orf24	ENSG0000	0.006373	6.936197	0.082843	0.934918	0.957782	-7.47113	7.279035	7.207172	7.208672	7.185552	7.141159	7.182701	7.551012	7.541439	7.48167	6.770066	6.757358	6.754375	6.51495	6.547747	6.512841	6.423327	6.539501	6.479923
ADO	ENSG0000	-0.29849	5.724477	-6.3845	5.95E-06	8.57E-05	3.726038	6.585029	6.571467	6.566826	6.183212	6.18946	6.070736	6.259498	6.145542	6.19974	5.409124	5.366053	5.445288	4.917376	5.063124	5.006551	5.212738	5.269267	5.12686
COA4	ENSG0000	-0.24416	6.474507	-6.70229	3.22E-06	5.33E-05	4.22636	6.201502	6.252341	6.176132	6.030952	6.152121	6.079314	5.843949	5.907876	5.961941	7.068071	7.026565	7.047283	6.854195	6.836498	6.878891	6.829332	6.875001	6.832722
PRKAG1	ENSG0000	0.138981	6.544553	2.140659	0.046672	0.098264	-5.2841	6.647676	6.599315	6.58929	6.931482	6.740045	6.859464	6.827098	6.73653	6.835226	6.171788	6.134444	6.147827	6.713543	6.663479	6.754009	6.219429	6.24509	6.278122
GINS3	ENSG0000	-0.05433	4.020764	-0.26898	0.791092	0.854507	-6.97686	4.693417	4.733688	4.715879	4.132759	4.258538	4.202668	4.723921	4.831761	4.694053	4.493314	4.390842	4.569452	2.452975	2.363215	2.200805	4.386563	4.304002	4.261717
CCDC149	ENSG0000	-0.08636	4.296818	-0.91115	0.374612	0.497029	-6.63993	4.29042	4.275018	4.222364	4.272916	4.240862	4.30129	3.66196	3.868266	3.572114	4.525848	4.490971	4.466439	4.818614	4.925808	4.817241	4.67445	4.672404	4.622403
MRPS11	ENSG0000	-0.13136	5.229144	-2.28777	0.034859	0.078077	-4.84866	5.379837	5.343146	5.41428	5.020445	5.166794	5.093661	5.37889	5.169636	5.211591	5.404758	5.301333	5.348069	5.397996	5.31559	5.215244	5.235596	5.292118	5.144062
SNRPE	ENSG0000	-0.34121	6.873406	-5.26392	5.79E-05	0.000492	1.248014	7.460293	7.47448	7.384436	6.607092	6.660839	6.676523	6.968703	7.013235	6.899152	6.988601	6.926403	6.898099	6.518888	6.67811	6.609092	6.720114	6.744856	6.724815
RTKN2	ENSG0000	-0.1058	2.839119	-0.89526	0.382811	0.504483	-6.43331	2.526909	2.61635	2.720234	2.063099	1.768674	2.098749	2.724622	3.160038	3.064594	3.901688	4.056262	3.843887	3.125084	3.120528	3.21594	3.462853	3.620134	3.945834
CHST15	ENSG0000	0.491538	6.023764	10.77728	3.82E-09	3.04E-07	11.17926	5.278958	5.234335	5.281005	6.007062	6.066908	6.049065	5.827697	5.874148	5.716303	6.054035	6.101878	6.0621	6.594714	6.603423	6.561769	6.552737	6.506228	6.485333
IDH2	ENSG0000	0.032519	5.002526	0.29641	0.77041	0.838783	-7.20973	4.158957	4.383825	4.394314	4.190466	4.455308	4.379778	4.730929	4.9659	4.90124	5.645844	5.54815	5.708223	5.692458	5.760913	5.746917	5.420516	5.408227	5.448204
OGFRP1	ENSG0000	-0.42266	0.030224	-1.7409	0.099275	0.177806	-4.75177	1.235614	1.002471	1.028027	0.52061	0.730585	0.461789	0.269385	0.726566	0.629397	1.732907	1.55885	1.562415	1.27873	1.203912	1.423614	1.880661	1.329561	1.626848
TMEM259	ENSG0000	0.169538	7.081148	2.994598	0.007964	0.024206	-3.68353	7.021473	7.084463	7.212082	7.180814	7.276361	7.155579	7.366457	7.143995	7.365098	6.74524	6.886514	6.996533	7.034435	7.019976	7.083935	7.081661	7.129499	6.875578
GET1	ENSG0000	0.138982	4.53349	2.192782	0.04212	0.090635	-4.87521	4.532747	4.424018	4.509652	4.797189	4.739596	4.543715	4.702691	4.753535	4.726452	4.549776	4.5846	4.560653	4.543538	4.433832	4.488525	4.67445	4.473517	4.703543
TNRC18	ENSG0000	0.065611	7.64872	0.857921	0.402548	0.524222	-7.15767	8.095419	8.150643	8.285819	7.711776	7.926272	7.745015	8.129569	8.048747	8.153146	7.059068	7.214627	7.302125	7.303641	7.24793	7.269797	7.481292	7.438009	7.253096
TMEM30B	ENSG0000	0.310864	1.279567	4.114603	0.000687	0.00345	-1.06225	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.39151	6.405012	6.473889	6.472617	6.457847	6.59381	6.53895	6.768721	6.825388	6.600722
DEXI	ENSG0000	0.006747	4.862839	0.074499	0.941459	0.962241	-7.13867	5.114814	4.992316	4.921495	5.363409	5.507103	5.338414	4.651903	4.877874	4.91817	4.68196	4.555295	4.606974	4.888451	4.78759	4.958638	4.969919	4.747809	4.572451
NA	ENSG0000	-0.43837	0.409379	-2.09638	0.050889	0.105152	-4.26954	0.41387	0.736739	0.756332	1.104644	0.625525	0.657796	0.886508	0.622068	0.515351	2.204194	2.42184	2.038602	2.25569	1.921808	2.200805	1.512637	1.737342	2.091498
NOP10	ENSG0000	-0.02742	7.112554	-0.69199	0.498034	0.615167	-7.24927	7.365071	7.417317	7.3329	7.272735	7.213179	7.218088	7.314921	7.183546	7.23377	6.968031	6.924255	6.950683	6.882587	6.953124	6.947642	6.997238	7.063147	6.982725
FAM89A	ENSG0000	-0.20636	4.009771	-2.49056	0.023077	0.056399	-4.11053	4.945613	5.026283	4.954444	4.660937	4.688349	4.894191	4.980658	4.657666	4.967798	3.659289	3.562131	3.507833	3.388755	3.183414	3.19663	3.245848	3.160915	3.364179
TDRKH	ENSG0000	0.114476	4.028335	1.408072	0.176649	0.27749	-6.09609	3.58303	3.370829	3.162305	3.456785	3.225109	3.405543	3.571163	3.956862	3.543305	4.806358	4.729387	4.615496	4.876225	4.827513	4.90611	4.677792	4.744131	4.827974
ZNF708	ENSG0000	0.018208	2.441522	0.171896	0.865494	0.909759	-6.6145	2.483604	2.283367	2.492412	2.103714	2.520598	2.22781	2.480375	2.357042	2.087859	3.013555	3.065914	2.796562	3.296351	3.131201	3.244428	3.073871	2.985098	3.006111
IST1	ENSG0000	0.061697	7.130485	1.53724	0.14214	0.234372	-6.33729	7.032784	6.941466	7.057645	7.085173	7.029769	7.144381	7.17676	7.099686	7.023006	7.124262	7.136392	7.148135	7.380092	7.312069	7.318063	7.155435	7.148406	7.226695
ERCC6L2	ENSG0000	-0.11605	4.573059	-2.03777	0.057003	0.115015	-5.18319	4.410898	4.484999	4.476008	4.245952	4.416469	4.473866	4.122591	4.45204	4.420702	4.960093	4.919631	4.857431	4.982695	4.866361	4.947129	4.902958	4.725598	4.771534
MRPL41	ENSG0000	-0.03292	5.264826	-0.38957	0.701561	0.787206	-7.14989	5.403266	5.533626	5.503257	5.517909	5.791399	5.538302	5.365443	5.21525	5.265504	4.883704	4.872886	5.236474	5.333285	5.347976	5.339289	5.28245	5.138081	4.898598
CREB3L2	ENSG0000	1.150882	6.820049	8.919091	6.42E-08	2.65E-06	8.254524	6.191444	6.290111	6.122779	7.724041	7.710458	7.675998	7.677914	7.66493	7.741513	6.077544	6.157786	5.894818	6.530636	6.555692	6.567418	6.763226	6.804349	6.872485
TP53TG1	ENSG0000	0.111982	3.090325	0.816067	0.425445	0.547291	-6.28678	3.562366	3.58855	3.454879	4.43289	4.231942	4.279122	3.523527	3.335526	3.254305	2.494552	2.372288	2.604447	3.091636	2.925848	3.075009	2.935534	2.784842	2.912845
TSEN54	ENSG0000	-0.07507	4.943016	-0.94336	0.358354	0.480245	-6.80294	4.416666	4.457599	4.492928	4.299384	4.544465	4.218286	3.879385	4.147745	4.103038	5.745902	5.770051	5.819366	5.533393	5.546423	5.469685	5.914083	5.761087	5.826176
RGMA	ENSG0000	-0.00025	-1.55963	-0.00103	0.999191	0.999331	-5.82541	1.894617	1.631689	1.818408	2.548252	2.57804	2.455733	1.459147	1.901414	1.727075	0.106501	0.106501	0.106501	0.171976	0.190544	0.106501	0.106501	0.106501	0.106501
UBA7	ENSG0000	-0.43136	2.652228	-3.02097	0.007524	0.023141	-3.0434	2.19231	1.978677	2.248556	1.74141	1.768674	1.123626	2.01302	1.082132	1.620777	4.252132	4.23323	4.09204	4.607058	4.529722	4.539229	3.775173	3.84969	3.930053
MRPS16	ENSG0000	-0.36008	6.782623	-5.83593	1.78E-05	0.000198	2.483791	7.672213	7.69582	7.698894	7.107814	7.047672	7.066704	7.254198	7.24091	7.316974	6.448088	6.31358	6.488169	6.209593	6.167044	6.24559	6.179906	6.121538	6.076062
RAD51B	ENSG0000	-0.35807	2.245208	-3.73527	0.001581	0.00673	-1.3161	2.725848	2.470453	2.514675	1.840866	1.953662	1.956998	1.867984	2.255906	2.202855	3.091698	2.958081	3.157196	2.770846	2.714997	2.756856	2.901634	2.770449	2.863849
LDOC1	ENSG0000	-0.18382	6.294405	-1.99701	0.061638	0.122409	-5.51851	6.239421	6.224976	6.285377	6.254839	6.265735	6.248587	5.719113	5.75257	5.875015	6.237104	6.24984	6.418451	6.998791	6.94936	6.931672	6.370608	6.402712	6.224144
EXT1	ENSG0000	0.274155	7.76294	5.740003	2.16E-05	0.00023	2.183549	7.168867	7.219459	7.158299	7.646265	7.63465	7.68305	7.640257	7.557466	7.596552	7.819389	7.797078	7.915638	8.341142	8.327908	8.350523	8.069251	7.966335	7.967903
SHMT2	ENSG0000	0.08286	7.986105	1.846149	0.081877	0.153162	-5.92977	8.589216	8.548817	8.61402	7.897217	7.948903	7.999517	8.807302	8.770181	8.786707	7.900329	7.752585	7.864718	7.018949	6.968829	7.004963	7.769043	7.779526	7.844428
MOB2	ENSG0000	0.035907	4.101554	0.41974	0.67979	0.770416	-6.92941	3.999005	3.96057	3.987862	3.898911	3.832443	4.121933	4.079318	3.868266	4.021828	4.438829	4.147458	4.205521	4.630539	4.711399	4.554478	4.450484	4.237539	4.223386
ATP6AP2	ENSG0000	0.237988	7.53273	5.355183	4.78E-05	0.000426	1.41531	7.626907	7.630457	7.570615	8.4187	8.241655	8.329361	7.923258	7.93884	7.973143	6.92141	6.900419	6.901587	7.408385	7.439373	7.394729	7.008562	7.108911	7.006433
CYB5D1	ENSG0000	0.113363	1.810833	0.913862	0.373225	0.495649	-6.00345	2.109269	1.670392	1.706811	1.978268	2.117603	2.374422	1.648695	1.945386	2.087859	2.282443	2.115463	2.369387	2.55467	2.756951	2.743612	2.432936	2.392244	2.200755
BACE2	ENSG0000	0.743732	1.428562	3.454972	0.002926	0.011013	-1.56257	6.865747	6.985297	6.907989	8.010358	8.032187	8.0533	7.672464	7.687762	7.610506	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.183756	0.106501	0.106501
UBE2E2	ENSG0000	-0.23647	4.068278	-2.66339	0.016109	0.042427	-3.83585	4.600191	4.609725	4.547936	4.359318	4.284653	4.241401	4.235306	4.373746	4.380548	3.812196	3.924944	3.946523	4.097807	4.127629	4.150058	3.730814	3.735773	3.660409
SYNM	ENSG0000	-0.20028	6.610743	-1.46519	0.160628	0.257987	-6.33716	7.412746	7.439194	7.462387	7.605305	7.63803	7.671041	7.421639	7.413245	7.359944	6.151081	6.210434	6.167279	5.389419	5.381888	5.255457	5.805224	5.68063	5.861964
FIGN	ENSG0000	-0.2552	3.942137	-1.95279	0.067049	0.130693	-5.15811	4.029438	3.968357	3.845818	3.921807	3.670226	3.733615	4.045989	3.82184	4.132351	4.217694	4.147458	4.167389	4.583188	4.537767	4.519937	3.70484	3.896833	3.734962
B4GALNT4	ENSG0000	0.600638	3.972688	3.428562	0.0031	0.011528	-2.26039	3.498536	3.260998	3.668523	4.254996	4.675247	4.480358	3.277716	3.302095	3.289427	3.528929	3.860515	3.872611	4.813494	4.840579	4.722535	4.897235	4.73304	4.341429
AP1S2	ENSG0000	0.257823	3.761019	2.234454	0.038778	0.084827	-4.70594	3.498536	3.494617	3.25779	3.827958	3.225109	3.405543	3.277716	3.335526	3.271973	4.443094	4.274276	4.257266	4.055062	4.095289	3.87435	4.661004	4.725598	4.753714
C8orf33	ENSG0000	-0.18426	7.203305	-3.65573	0.001883	0.007718	-2.29986	7.413467	7.383501	7.406184	6.608857	6.77884	6.655165	7.012497	7.096033	6.994023	7.574107	7.55485	7.57689	7.053561	7.067984	7.0534	7.5371	7.51287	7.566143
SPACA6	ENSG0000	-0.16454	1.759168	-0.73477	0.472222	0.59196	-6.10073	1.642349	2.332462	2.166567	1.888135	2.078331	2.258349	1.459147	1.988058	2.165532	2.078238	2.095243	1.896649	3.039964	3.152313	2.870883	1.880661	1.82352	2.091498
ZSCAN22	ENSG0000	0.045348	3.221201	0.678092	0.506592	0.622446	-6.64524	2.90065	3.128277	2.966237	2.661411	2.660129	2.741673	3.027514	3.002451	2.869505	4.043261	3.767745	3.91004	3.663745	3.813238	3.81227	3.994729	3.967936	3.961444
KCNJ14	ENSG0000	-0.37418	1.226177	-2.04163	0.05658	0.114308	-4.37346	2.165157	1.708084	2.049454	1.978268	1.718467	1.669505	1.917967	1.945386	1.445026	2.224158	1.875739	1.896649	1.667235	1.282615	1.284217	1.85727	1.645686	1.461048
FBXL6	ENSG0000	0.100489	4.410188	1.448495	0.165182	0.26334	-6.10028	3.476616	3.516026	3.698006	4.031135	4.204846	4.121933	3.523527	3.431409	3.759121	5.068969	5.179378	4.979091	5.485908	5.338797	5.424752	5.293385	5.176796	5.091828
C1S	ENSG0000	0.789055	2.512392	2.28231	0.035242	0.078701	-3.77767	6.355069	6.492668	6.317392	8.207833	8.226579	8.307623	7.14956	7.146352	7.246114	0.34397	0.185134	0.54756	0.352262	0.26996	0.263213	0.393424	0.358227	0.409347
KBTBD3	ENSG0000	0.208381	1.547261	2.074511	0.053097	0.108798	-4.41883	1.475543	1.327092	1.30847	1.933905	1.996426	1.840725	1.317361	1.549165	1.445026	2.263275	2.174476	2.120715	2.694919	2.784257	2.942182	2.300453	2.48331	2.326628
YBEY	ENSG0000	-0.13567	3.634427	-1.47358	0.158378	0.255319	-5.82326	3.385444	3.57841	3.55495	3.487804	3.734793	3.678224	3.238915	3.431409	3.498982	3.666603	3.884278	4.15575	4.275881	4.279275	4.320301	3.848182	3.667508	3.856822
CLN8	ENSG0000	1.578386	6.125907	5.284017	5.55E-05	0.000476	1.498606	6.262023	6.39205	6.309455	7.933579	7.901172	7.947169	8.665455	8.635742	8.608701	4.75239	4.722812	4.681918	4.650776	4.476309	4.772296	4.871197	4.744131	4.562249
NXPH4	ENSG0000	1.043725	2.198127	5.013982	9.81E-05	0.000747	1.482256	2.548084	2.870177	3.029452	3.083078	3.560502	3.216292	3.904396	4.184903	4.17992	1.676063	1.875739	1.73919	1.573426	1.495836	1.320349	1.948641	2.054898	1.81044
CACNB4	ENSG0000	-0.45703	-0.15207	-1.72045	0.103004	0.182861	-4.72323	0.503316	0.410755	0.323815	0.841981	0.92021	0.909432	0.269385	0.509405	0.515351	1.814181	1.851833	1.60868	1.498836	1.528499	1.923865	1.542275	1.329561	1.058313
TRAPPC6B	ENSG0000	-0.12196	5.181727	-1.69366	0.108075	0.190085	-5.86686	5.282121	5.134056	5.11242	4.720913	4.752128	4.834637	5.032629	5.117737	5.015776	5.432908	5.448064	5.507659	5.490727	5.510085	5.563117	5.371825	5.401238	5.284099
PGBD4	ENSG0000	-0.03289	2.909161	-0.33839	0.739099	0.816362	-6.58432	3.551922	3.370829	3.204003	3.441022	3.225109	3.335661	3.405851	3.250449	3.528681	2.930935	2.646894	2.902498	2.986372	2.770668	2.95373	2.679583	2.799093	2.81313
NPLOC4	ENSG0000	0.764098	8.042392	11.04822	2.61E-09	2.28E-07	11.45949	7.6979	7.636579	7.687303	8.284363	8.396364	8.359606	8.727211	8.678301	8.663275	7.486941	7.508775	7.485703	8.07149	8.077096	8.074237	8.036759	8.015603	7.981365
TEX19	ENSG0000	0.396128	1.657934	2.107527	0.049796	0.103283	-4.57742	1.235614	1.002471	0.829201	1.688986	1.307481	1.055701	1.317361	1.760835	1.620777	3.45483	3.204502	3.312021	2.24051	2.039797	2.416453	3.637781	3.413359	3.571657
CAPN12	ENSG0000	-0.27318	0.364148	-0.80673	0.430664	0.551912	-5.93235	1.602421	1.173893	1.406977	0.258133	0.512209	0.3528	0.983587	0.824004	1.171446	1.52331	1.875739	1.631268	1.973006	1.921808	1.851631	1.734264	1.878239	1.170016
EXOC7	ENSG0000	0.40229	7.540894	9.240905	3.83E-08	1.79E-06	8.710459	6.822954	6.78272	6.813498	7.48555	7.496235	7.437461	7.445266	7.318197	7.327573	7.629423	7.642371	7.590282	8.1634	8.112875	8.130968	7.893556	7.887669	7.906226
KPNA2	ENSG0000	0.277801	8.15224	2.481686	0.023502	0.057231	-4.81426	7.989597	7.978673	7.948774	8.008354	7.980534	7.96926	8.432767	8.456948	8.513045	8.502665	8.422435	8.437779	7.577247	7.542424	7.489511	8.556932	8.482911	8.547891
XKRX	ENSG0000	0.343991	1.809833	2.065549	0.054026	0.110239	-4.51453	2.109269	2.232543	2.248556	1.457877	1.909591	1.956998	1.917967	2.069791	2.530983	2.056133	2.193623	2.615819	2.145912	1.652223	2.161508	2.782512	2.799093	2.687355
CEP97	ENSG0000	0.395395	3.479941	3.749725	0.001532	0.006566	-1.4634	3.349713	3.273623	3.489013	3.944346	3.89028	3.689474	4.000319	3.698786	3.746538	3.528929	3.562131	3.380287	3.449427	3.410675	3.244428	3.836267	3.735773	3.744016
FES	ENSG0000	0.624892	0.768702	2.336647	0.031592	0.072155	-3.75116	1.069823	0.875715	0.756332	1.933905	2.229385	2.064596	1.588238	1.988058	1.314712	1.315703	1.498542	1.277453	1.644349	1.357245	1.695314	1.45147	1.478665	1.222783
GLRX5	ENSG0000	-0.08949	5.672683	-1.4922	0.153477	0.248944	-6.25841	5.454629	5.477439	5.584434	4.927344	5.190008	5.085168	5.233498	5.255104	5.269907	6.128749	6.077605	6.300088	6.036929	6.046769	6.038856	6.253425	6.138449	6.156248
FAM104B	ENSG0000	0.303069	3.846016	3.600991	0.002124	0.008461	-1.84275	4.179456	4.014214	3.96379	4.254996	4.204846	3.954853	4.487843	4.389749	4.633836	3.681119	3.5985	3.543997	3.581798	3.637228	3.760608	3.658228	3.822043	3.716682
MXRA7	ENSG0000	0.111771	5.404793	2.10771	0.049778	0.103261	-5.22256	4.42241	4.55906	4.520694	5.20443	5.044764	5.230878	4.716879	4.917048	4.813478	5.949988	5.868645	5.884278	6.376858	6.398913	6.347596	5.909826	5.946952	5.868189
LIMK2	ENSG0000	0.596797	4.759066	1.739589	0.09951	0.178101	-5.60587	4.29042	4.115866	4.307715	6.42876	6.252564	6.34244	5.383345	5.276779	5.400136	4.592639	4.570022	4.415294	4.011012	4.062207	4.083285	4.477583	4.328771	4.433851
MFSD5	ENSG0000	0.178915	5.460272	2.295766	0.034303	0.077064	-4.84841	5.310279	5.430295	5.303557	5.845818	5.943937	5.949645	5.55111	5.673074	5.713073	5.305186	5.179378	5.432483	5.409919	5.368419	5.36978	5.440329	5.307153	5.362617
ADI1	ENSG0000	0.354041	6.563579	5.21625	6.40E-05	0.000531	1.193852	6.72176	6.790427	6.748056	6.787763	6.863577	6.807492	7.183162	7.173181	7.224726	6.017322	5.976214	6.080684	6.425492	6.385602	6.390715	6.34456	6.278531	6.23863
RWDD4	ENSG0000	0.234739	5.235245	3.403463	0.003275	0.012005	-2.57829	5.727148	5.587707	5.651273	5.067404	5.244245	5.191857	5.97958	6.027768	6.0206	4.977839	4.948095	5.035219	4.718081	4.784213	4.715769	5.115041	5.051448	5.12686
SATB1	ENSG0000	0.778443	0.232838	3.260794	0.004473	0.015389	-2.18922	0.318509	0.106501	0.421314	0.395333	0.512209	0.657796	0.106501	0.387194	0.106501	2.100009	2.546219	2.152295	4.171694	4.250194	3.974116	3.123735	3.034117	3.006111
EPHB3	ENSG0000	0.107449	0.673052	0.797748	0.435722	0.55694	-6.5653	0.216396	0.410755	0.323815	0.106501	0.389229	0.2349	0.106501	0.106501	0.39151	4.443094	4.219284	4.338442	3.960951	3.952144	3.81227	4.574001	4.40994	4.494122
ACTL10	ENSG0000	0.15042	-1.05072	1.387	0.182877	0.284571	-5.42865	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.263275	2.303453	2.314614	2.812503	2.770668	2.633039	2.539649	2.33471	2.174206
EPGN	ENSG0000	0.243698	2.30942	1.504734	0.150249	0.245019	-5.16176	5.190829	5.488312	5.344527	4.626508	4.56592	4.610338	5.628203	5.58547	5.566863	0.669294	0.941811	0.884879	0.701742	0.837535	0.651457	0.974502	0.816175	0.805046
SNORC	ENSG0000	0.02241	0.65904	0.111567	0.912438	0.942138	-6.1018	1.235614	1.277811	1.256574	1.578054	1.718467	1.956998	1.525136	1.231675	1.314712	1.278001	1.335727	1.126631	1.667235	1.591687	1.610309	1.354562	1.478665	0.734116
TRAK1	ENSG0000	0.065186	6.047232	1.138391	0.270321	0.386934	-6.74175	5.665509	5.520446	5.552509	5.558653	5.710229	5.651925	5.661594	5.650007	5.537947	6.333298	6.410864	6.343484	6.795679	6.790107	6.752357	6.482811	6.46325	6.393378
PLCB1	ENSG0000	0.339948	6.271544	1.37139	0.187604	0.289999	-6.44064	5.991484	5.822762	6.027288	7.331627	7.277445	7.371766	6.723746	6.761343	6.86609	6.179477	6.206905	6.108119	5.601813	5.591562	5.501506	5.947695	5.966024	5.985442
SKA2	ENSG0000	0.314834	5.837744	2.918888	0.00937	0.027623	-3.74632	4.842264	4.901694	4.840087	5.28169	5.208315	4.992837	5.628203	5.740142	5.706591	6.695161	6.558479	6.669617	6.179064	6.244045	6.12437	6.622035	6.655652	6.711029
LINC01006	ENSG0000	-0.34271	2.594896	-2.93693	0.009014	0.026748	-3.13351	1.990546	2.125186	2.194417	2.063099	2.333126	2.132113	1.160105	1.367163	1.826075	3.864012	4.024536	3.999574	3.918659	4.022628	3.734067	3.717885	3.835933	3.753014
TTC3	ENSG0000	0.036128	7.29262	0.562083	0.581197	0.687426	-7.34111	6.976299	6.982416	6.974754	7.791635	7.685356	7.812811	7.172906	7.209698	7.243878	7.232942	7.233252	7.171923	7.560917	7.576014	7.594214	7.079767	7.001321	7.14104
BRICD5	ENSG0000	-0.08154	0.717615	-0.27434	0.787038	0.85116	-6.09956	1.519087	1.327092	1.706811	2.021307	2.078331	1.669505	1.70672	1.658879	1.244857	1.388276	1.467416	1.60868	0.745413	0.938214	0.957066	1.482378	1.024588	1.626848
IGIP	ENSG0000	-0.21957	2.382484	-1.40129	0.178634	0.279869	-5.47667	2.996191	3.450822	3.148134	3.791129	3.378481	3.700636	2.908934	2.938616	3.199964	2.100009	2.303453	1.896649	2.044674	2.344993	2.18129	1.681967	1.90484	2.174206
TSKU	ENSG0000	0.129398	8.272545	1.631717	0.120625	0.206846	-6.26984	8.725569	8.690599	8.787188	8.739821	8.949502	8.740038	9.141332	9.020982	9.119033	7.844192	7.788446	7.933924	7.479612	7.423722	7.40423	7.768651	7.72132	7.723188
ANXA2	ENSG0000	0.06951	10.90955	0.948052	0.356028	0.477532	-7.2771	11.28336	11.27341	11.24014	11.59953	11.58426	11.53407	11.05853	11.07495	11.06839	10.29351	10.29695	10.23604	10.60826	10.70537	10.68562	10.59816	10.61003	10.63591
PAQR7	ENSG0000	-0.09659	4.461599	-1.169	0.2581	0.373172	-6.37682	4.917414	4.961437	4.917323	4.525489	4.614773	4.440963	4.902122	4.759705	4.795267	4.299944	4.247042	4.335006	4.373047	4.307781	4.452348	4.319678	4.189664	4.163911
PAPPA	ENSG0000	-0.04891	4.779491	-0.14678	0.884983	0.923448	-6.63476	8.267259	8.243411	8.349135	8.058933	7.93866	8.116134	8.433304	8.305963	8.382912	2.868884	3.055486	2.93917	0.869014	0.986036	1.002253	1.85727	1.956613	1.877799
NGRN	ENSG0000	0.402084	4.935119	4.910116	0.000122	0.000886	0.718585	4.138162	4.230384	4.042515	4.694564	4.883243	4.76722	4.235306	4.405576	4.322386	5.088159	5.251956	5.36838	5.703571	5.724373	5.80226	5.909826	5.68063	5.531613
RPS17	ENSG0000	-0.04976	7.716204	-1.20808	0.243111	0.355908	-6.81778	7.830732	7.752724	7.701929	7.574932	7.582973	7.558973	7.664251	7.582918	7.665849	7.8454	7.831864	7.724691	7.656589	7.781803	7.812091	7.79197	7.784011	7.875658
HCAR2	ENSG0000	-0.75949	0.984847	-4.0014	0.000881	0.004218	-0.8174	1.235614	1.374745	1.146821	0.106501	0.389229	0.3528	0.269385	0.622068	0.735084	3.938405	3.626949	3.774554	2.892375	2.962168	3.010124	3.227721	3.127424	3.176297
CCDC87	ENSG0000	-0.45422	0.312882	-2.1284	0.047807	0.100075	-4.06587	1.12723	1.002471	1.358564	1.326771	1.307481	1.669505	0.670238	0.824004	0.629397	1.158593	1.112482	1.46518	1.621093	1.282615	1.749324	1.250674	1.118494	1.170016
C1orf116	ENSG0000	0.211488	3.858633	1.653483	0.11608	0.200769	-5.98589	1.336422	1.420874	1.54317	2.063099	1.817192	1.840725	0.415731	0.824004	0.256032	7.261599	7.140098	7.221147	7.799394	7.806568	7.791323	7.458642	7.560704	7.49954
TMEM198	ENSG0000	-0.55961	4.183705	-5.44765	3.94E-05	0.00037	2.055342	4.574623	4.372133	4.59048	4.3081	4.392653	4.531264	4.31208	3.856799	4.313883	4.501517	4.374156	4.264509	4.373047	4.335734	4.456413	3.595997	3.595851	4.029672
CRIP2	ENSG0000	0.052884	6.06899	0.228594	0.821838	0.87793	-7.39503	3.487617	3.439663	3.638424	5.583994	5.741991	5.445139	2.412257	2.540248	2.588518	8.077441	8.121832	8.253501	8.785646	8.799754	8.761567	8.360886	8.423784	8.171625
DDX28	ENSG0000	-0.39915	5.042903	-3.39134	0.003363	0.012274	-2.53915	6.245915	6.26346	6.267462	4.999073	5.235346	5.050687	5.83422	5.564476	5.732345	4.604112	4.716207	4.698057	4.400624	4.259953	4.372859	4.55958	4.551348	4.311289
ACBD3	ENSG0000	-0.07887	6.577305	-1.94765	0.067704	0.131654	-5.64036	6.573458	6.60557	6.584036	6.672679	6.667471	6.666596	6.426359	6.467323	6.48939	6.627441	6.680555	6.640685	6.52203	6.616776	6.60452	6.595775	6.623981	6.606939
C16orf72	ENSG0000	0.007174	6.133491	0.18219	0.85753	0.904123	-7.36847	6.40089	6.378964	6.419743	6.367536	6.228101	6.27683	6.34876	6.431054	6.425703	5.946988	5.959533	6.055851	5.780368	5.884342	5.882997	6.044073	5.914593	6.041596
RRP7BP	ENSG0000	0.118513	2.631195	0.97037	0.3451	0.466198	-6.19963	2.609804	2.576149	2.221741	2.688367	2.490996	2.481849	2.513265	2.938616	2.643847	3.294134	3.065914	3.125724	3.228726	3.173121	2.795875	2.946659	3.2466	3.444131
ALG12	ENSG0000	0.565539	4.451464	6.159289	9.28E-06	0.000121	3.495969	4.399293	4.389636	4.351665	5.404628	5.4273	5.291197	5.157514	4.949799	5.021009	3.637124	3.958911	3.7997	4.47385	4.398927	4.199397	4.340914	4.184245	4.029672
GALNT9	ENSG0000	0.141825	-1.57326	0.550692	0.588815	0.693557	-5.89772	0.216396	0.215206	0.219246	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.199504	1.152172	0.993481	1.392977	1.120667	1.046067	1.419885	1.442809	1.504318
COL18A1	ENSG0000	0.038633	6.211186	0.214331	0.832769	0.885688	-7.36771	5.924244	5.996553	6.170885	6.007062	6.364945	6.104746	5.643139	5.543171	5.725949	5.685984	5.963722	6.143905	7.392592	7.342239	7.363684	6.475148	6.351658	5.985442
RBM10	ENSG0000	0.084059	6.54028	1.339512	0.197563	0.302007	-6.55925	6.574748	6.470907	6.637006	6.115311	6.170911	6.044692	6.741204	6.637811	6.691642	6.665354	6.654881	6.722514	6.579714	6.567528	6.553254	6.798962	6.743936	6.644896
ADGRG3	ENSG0000	1.35252	0.538691	3.762128	0.00149	0.006423	-0.95514	3.87042	3.829904	3.726899	2.933382	3.132285	3.03415	5.243334	4.922558	5.107194	0.269074	0.106501	0.288049	0.234608	0.345231	0.186984	0.257084	0.358227	0.497646
GLUD2	ENSG0000	0.027765	-0.15028	0.116423	0.908645	0.939551	-6.08279	0.587539	0.582935	0.323815	0.635873	0.828511	0.830331	0.782422	0.387194	0.39151	1.586365	1.403073	1.305813	1.446877	1.681564	1.775589	1.058946	1.67689	1.626848
RPL35A	ENSG0000	-0.09616	8.266705	-2.59116	0.018735	0.047774	-4.59637	8.530251	8.514992	8.439912	8.260986	8.223769	8.224993	8.328055	8.386922	8.39556	8.286803	8.221391	8.173998	8.091986	8.156629	8.174799	8.140622	8.123941	8.21256
SLC25A18	ENSG0000	-1.41233	-0.98379	-4.41089	0.00036	0.002069	0.287878	3.952119	3.936954	3.931056	3.083078	3.588725	3.364021	2.186178	2.540248	2.588518	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZNF721	ENSG0000	0.114183	5.242835	1.76036	0.095834	0.172912	-5.73933	5.738706	5.734195	5.530827	5.290513	5.313527	5.503669	5.78793	5.737018	5.519576	4.893087	4.987026	4.950186	4.831335	4.962129	4.845411	5.077578	5.190374	5.19777
TSPEAR-AS	ENSG0000	0.005923	-0.37446	0.040951	0.967799	0.978864	-6.6246	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	3.349712	3.241771	2.966075	3.658044	3.591587	3.644271	3.113899	3.149837	3.121769
C11orf54	ENSG0000	-0.16552	4.73642	-1.45016	0.164723	0.262873	-6.13513	4.478633	4.517206	4.647003	4.375995	4.258538	4.162865	4.568297	4.703199	4.66091	5.133727	5.082559	5.081065	5.399705	5.357098	5.403856	4.755763	4.843731	4.844905
CEP63	ENSG0000	-0.50868	4.384976	-5.9295	1.47E-05	0.000172	3.021358	5.214199	5.127117	5.067946	4.827817	4.621619	4.997371	4.56045	4.307901	4.633836	4.19764	4.305413	4.421787	3.884887	4.022628	4.098971	3.97856	3.923096	4.051715
SRPRA	ENSG0000	0.082742	8.327254	1.475986	0.157737	0.254457	-6.52837	7.787429	7.747643	7.746703	7.939902	7.954336	7.977888	7.902459	7.849094	7.911776	8.8708	8.813251	8.867044	8.64465	8.604139	8.675482	8.901943	8.86927	8.91456
EWSR1	ENSG0000	0.071881	8.600085	1.223326	0.237444	0.349372	-6.86463	8.725278	8.635425	8.731842	8.125782	8.21361	8.219183	8.878453	8.776281	8.878228	8.792531	8.652385	8.686548	8.490574	8.441339	8.476953	8.670538	8.737658	8.738886
HMGN4	ENSG0000	-0.16342	5.657407	-1.85283	0.08087	0.151756	-5.70894	5.45743	5.444322	5.393406	5.004446	4.911451	4.854763	5.055139	5.043815	5.102264	6.083021	6.191511	6.279679	6.335486	6.377781	6.424306	6.185787	6.138449	6.118454
SPATA13	ENSG0000	-0.22145	3.849655	-1.02063	0.321351	0.440945	-6.43808	3.443098	3.695626	3.618004	4.190466	4.167908	4.358792	3.004565	2.871824	2.937508	4.421642	4.648439	4.45065	3.865227	4.15926	3.985412	4.619897	4.432969	4.376785
GJC1	ENSG0000	-0.4407	0.690973	-1.20609	0.243858	0.356745	-5.2763	4.973272	4.99613	4.950366	4.510463	4.258538	4.386706	4.402637	4.459641	4.549426	0.106501	0.330605	0.288049	0.171976	0.106501	0.263213	0.326864	0.358227	0.214669
CNOT10	ENSG0000	-0.16527	5.562049	-2.50558	0.022373	0.054989	-4.51093	5.621238	5.51514	5.431935	5.245847	5.166794	5.127141	5.147073	5.112925	5.057123	5.973766	5.892276	5.943013	5.814086	5.943067	5.889024	5.923967	5.847615	6.043431
MTA1	ENSG0000	-0.17298	6.187326	-1.67159	0.112412	0.195755	-6.0564	6.084999	6.072572	6.205512	5.55133	5.634408	5.575159	5.631951	5.499594	5.660384	6.496087	6.493335	6.629508	6.822051	6.803515	6.785046	6.641849	6.634946	6.535733
CADM1	ENSG0000	0.197947	-0.50931	0.7454	0.465937	0.585835	-5.64768	3.262728	3.057038	2.966237	4.122913	4.149079	4.271657	3.405851	3.178579	3.406029	0.106501	0.106501	0.16959	0.234608	0.190544	0.106501	0.106501	0.106501	0.106501
ZNF320	ENSG0000	0.136634	3.847457	1.989584	0.062518	0.123776	-5.18995	3.026682	3.128277	2.776595	2.97776	3.295295	3.152687	3.219115	2.960209	3.373665	4.641707	4.761819	4.598401	5.073302	5.029288	5.068941	4.777733	4.714363	4.832225
C12orf60	ENSG0000	-0.30743	1.042988	-1.58582	0.130705	0.220051	-5.06596	1.959273	2.179863	2.018628	1.457877	1.006428	1.422231	1.648695	1.430416	1.244857	1.52331	1.725977	1.759838	1.597456	1.652223	1.722572	1.708352	1.766644	1.739782
PYCR1	ENSG0000	0.019086	7.853487	0.325092	0.748971	0.824134	-7.51369	7.968647	7.922663	7.98311	7.711776	7.81196	7.707465	7.966948	7.832359	7.871781	7.987227	7.93181	8.018823	7.568915	7.485334	7.48703	8.12571	8.065088	8.033066
NAA38	ENSG0000	0.238435	5.242981	2.992387	0.008002	0.024316	-3.41808	5.343965	5.343146	5.363051	5.824713	5.976344	5.812316	5.683433	5.737018	5.663734	4.803043	4.848932	5.013889	4.914988	4.901075	4.85468	4.996928	5.042491	4.977487
SPNS2	ENSG0000	-2.00667	0.647634	-3.12015	0.006073	0.019711	-2.21704	5.034569	5.007511	4.857612	2.325974	1.909591	1.919272	2.724622	2.389238	2.697131	0.269074	0.398185	0.288049	0.352262	0.784432	0.470356	0.457048	0.572487	0.659518
AP2A2	ENSG0000	-0.27225	5.770035	-4.23193	0.000531	0.002828	-0.80468	6.652572	6.710274	6.73033	6.55861	6.622106	6.560309	6.197609	6.273954	6.340354	5.093595	5.125563	5.166672	5.105079	5.071461	5.042146	5.15875	5.098298	4.906683

SLC8A1	ENSG0000	1.468236	3.024641	8.30197	1.79E-07	5.67E-06	7.522126	2.021155	1.915637	2.248556	4.333937	4.327153	4.271657	3.853933	4.119235	3.641718	2.243849	2.469748	2.243088	3.663745	3.68147	3.916269	3.011667	3.022017	3.189613
SLC25A21	ENSG0000	-0.10419	1.090096	-0.65819	0.518992	0.63373	-6.15828	1.12723	1.277811	1.585853	0.742604	1.2379	1.123626	1.160105	1.809233	1.564539	2.392392	2.23117	2.435052	1.878105	1.738515	1.970087	2.135245	2.254246	2.003758
SLC25A10	ENSG0000	0.230606	2.589772	1.995186	0.061853	0.122733	-4.8117	2.589523	2.258179	2.776595	2.48816	2.520598	2.098749	2.412257	2.389238	2.616448	3.002038	3.002186	2.920951	3.449427	3.301515	3.186878	3.272618	3.256961	3.364179
CAMK1D	ENSG0000	0.373813	3.866991	5.049762	9.09E-05	0.000705	1.13519	2.165157	2.009193	2.37563	3.425084	3.457132	3.419122	1.917967	2.481727	1.826075	4.880563	4.815334	4.806238	6.508628	6.405522	6.442863	5.291204	5.187669	5.308717
LYSMD4	ENSG0000	-0.22875	2.012342	-2.4797	0.023598	0.057416	-3.87773	2.021155	1.744817	2.018628	1.888135	1.612488	1.526279	1.70672	1.549165	1.674905	3.145032	3.065914	3.225594	2.852992	2.925848	2.846311	3.032701	2.813204	3.162857
WBP2NL	ENSG0000	0.009926	-0.11333	0.046644	0.963326	0.976331	-6.13873	0.318509	0.410755	0.323815	0.52061	0.389229	1.055701	0.548589	0.726566	0.39151	1.586365	1.672391	1.73919	2.044674	2.10622	2.036756	1.571317	1.368306	1.546329
AFMID	ENSG0000	-0.46639	5.234266	-10.2804	7.82E-09	5.41E-07	10.50604	5.319544	5.247194	5.22134	4.881362	4.911451	4.809079	4.723921	4.670823	4.770621	5.887203	5.763659	5.876026	5.539608	5.503938	5.487671	5.384153	5.389513	5.557523
GAS6	ENSG0000	-0.1569	2.482071	-0.70991	0.487127	0.605212	-6.00527	5.310279	5.291319	5.264677	5.667647	5.859584	5.708315	5.015513	4.987092	5.102264	0.54782	0.640699	0.726056	0.828978	0.888753	1.355599	1.177011	0.759002	1.170016
NEB	ENSG0000	0.119042	1.504303	0.577039	0.571271	0.679921	-6.35149	0.41387	0.940485	0.898566	1.457877	1.612488	1.956998	0.782422	0.726566	1.171446	3.091698	3.287042	2.627101	3.501296	3.401888	3.517722	3.209363	2.841019	2.960231
BEGAIN	ENSG0000	0.215185	1.163033	0.477553	0.638886	0.737053	-5.87479	5.515021	5.575013	5.727119	6.062202	6.254768	6.202215	5.907184	5.743259	5.967373	0.269074	0.398185	0.34382	0.106501	0.106501	0.186984	0.183756	0.106501	0.214669
GPC6	ENSG0000	-0.14228	3.825293	-1.7699	0.094185	0.170563	-5.26767	4.351916	4.435299	4.400306	5.350809	5.309293	5.445139	4.330652	4.147745	4.170531	2.868884	3.002186	2.957162	4.01993	3.717329	3.849837	2.744769	3.009816	2.928814
ARHGEF37	ENSG0000	0.259361	2.478669	1.479216	0.15688	0.253425	-5.49556	2.780548	2.674627	2.469799	2.633943	2.904251	2.94309	2.576877	2.357042	1.873138	2.320032	2.590228	2.30059	3.18974	3.401888	3.290693	2.990321	2.934355	2.975687
CSMD1	ENSG0000	0.200631	-0.58062	2.244464	0.038012	0.083517	-4.30095	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.196464	2.969234	3.00983	3.593793	3.38415	3.615478	3.209363	3.307681	3.065099
CEP57L1	ENSG0000	0.283673	1.915696	2.127912	0.047852	0.100156	-4.34303	2.320899	2.332462	2.446827	2.518519	2.078331	2.455733	2.752438	2.938616	2.643847	2.100009	2.155072	1.896649	1.935792	2.084417	1.923865	1.880661	2.169028	2.302316
RABIF	ENSG0000	0.489961	4.588973	8.766153	8.24E-08	3.19E-06	8.215603	4.543331	4.548709	4.531653	4.988267	4.894593	4.979151	5.203583	5.150979	5.092354	4.167027	4.247042	4.12026	4.565023	4.585115	4.554478	4.55958	4.525868	4.467038
FANCF	ENSG0000	-0.03263	4.287084	-0.40499	0.6904	0.778758	-6.91973	4.559062	4.604738	4.553323	4.869634	4.544465	4.506036	4.367093	4.332946	4.475104	3.962373	4.056262	4.012537	4.467344	4.501207	4.411058	4.127753	4.156841	4.022248
CALN1	ENSG0000	0.166164	-0.2629	1.482124	0.156113	0.252328	-5.64302	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.479955	3.633975	3.464463	3.974777	3.921728	3.773698	3.637781	3.554448	3.641153
SMDT1	ENSG0000	0.035365	4.539655	0.590248	0.562579	0.672837	-6.90001	4.669462	4.495815	4.626705	4.99368	4.960875	4.78306	4.666597	4.637703	4.770621	4.505601	4.411431	4.447471	4.489986	4.577331	4.531543	4.496632	4.423801	4.365096
RUVBL2	ENSG0000	-0.24447	7.464046	-4.09613	0.000715	0.003569	-1.36077	7.297127	7.317211	7.353118	6.530955	6.775775	6.617379	6.987844	6.932239	6.938406	8.116016	8.0399	8.198549	7.872917	7.793609	7.823151	7.9945	8.015985	7.910756
GDPGP1	ENSG0000	-0.12789	1.676142	-0.70535	0.489888	0.607443	-6.09801	2.392887	2.403106	2.138168	2.103714	1.768674	2.164723	1.762502	2.108984	2.309357	1.787595	1.945166	1.877881	2.343563	2.433888	2.399663	2.013561	1.878239	1.739782
PRR36	ENSG0000	0.534395	1.573802	3.692477	0.001737	0.007238	-1.3124	1.12723	0.736739	0.598525	1.578054	1.612488	2.029614	1.389995	1.301009	0.735084	2.444376	2.575707	2.328504	3.95166	3.839509	3.880413	2.957699	2.784842	2.79582
LINC01547	ENSG0000	0.308344	1.894353	3.071478	0.006747	0.021337	-2.64461	1.642349	1.915637	1.818408	1.457877	1.817192	1.993763	2.144798	2.029503	1.777424	2.620402	2.485369	2.649405	2.626498	2.596763	2.675503	2.807136	2.95995	2.81313
OR51B4	ENSG0000	0.058833	-1.49815	0.301251	0.766778	0.83649	-6.10908	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.676063	1.725977	1.413989	1.597456	1.591687	2.058312	1.784732	1.442809	1.703111
PTTG1IP	ENSG0000	0.666193	7.836173	17.17088	2.21E-12	1.37E-09	18.66916	6.671992	6.635221	6.654657	7.467184	7.557316	7.506669	7.450582	7.442307	7.436361	7.97954	8.049784	7.999962	8.865277	8.853112	8.872766	8.583012	8.571449	8.587412
DDX41	ENSG0000	-0.1583	6.760098	-3.83079	0.001281	0.005711	-1.86439	6.802174	6.814386	6.812375	6.652287	6.700177	6.640749	6.522384	6.526419	6.534004	6.932828	6.825684	6.919478	6.912826	6.863953	6.956996	6.852438	6.856383	6.803789
DAZAP2	ENSG0000	0.98927	7.591599	14.55226	3.32E-11	8.76E-09	15.94446	6.827291	6.903387	6.765568	8.363846	8.297229	8.379278	8.067257	8.068765	8.046834	6.71734	6.746055	6.710631	8.158865	8.142521	8.175416	7.479857	7.488895	7.46368
SELENOF	ENSG0000	0.189683	7.124593	2.822211	0.011517	0.032541	-4.04244	6.946707	7.012854	6.923673	7.414682	7.395984	7.467996	7.238302	7.336889	7.201865	7.067381	7.026565	7.015975	6.993141	6.998278	7.030408	7.140373	7.092371	7.132446
ZNF623	ENSG0000	-0.20761	6.280895	-2.87299	0.010336	0.029855	-3.87242	6.095825	6.092304	6.117333	5.720837	5.690831	5.762585	5.853613	5.910652	5.806958	6.697841	6.746865	6.693963	6.89597	6.809341	6.890204	6.563618	6.513809	6.55129
EPHA10	ENSG0000	0.078848	1.22959	0.416709	0.681964	0.77187	-6.3723	1.12723	1.002471	1.028027	1.182548	1.307481	1.310092	0.415731	0.509405	0.735084	2.955028	2.320972	2.522234	3.205461	3.253475	3.21594	2.968656	2.868308	2.830235
CCDC125	ENSG0000	-0.03722	4.014457	-0.52775	0.604307	0.706836	-6.8337	4.014302	4.164126	4.208773	4.009923	3.988879	4.088331	4.19533	4.203129	4.296723	4.156676	4.122698	4.059098	4.203356	4.073319	4.12984	3.928936	3.916575	4.115895
BCOR	ENSG0000	-0.01306	5.498259	-0.22836	0.822019	0.877991	-7.2685	5.70139	5.668796	5.780922	5.396478	5.677752	5.513197	5.804633	5.913422	5.851705	5.501993	5.535075	5.560106	5.123815	5.13912	5.248442	5.420516	5.370553	5.356727
JRKL	ENSG0000	-0.32846	4.568708	-5.19645	6.67E-05	0.000549	1.381025	4.152058	4.468622	4.275483	4.171485	4.222966	4.130213	3.828023	3.761625	3.867685	5.36934	5.240494	5.386751	5.066862	5.18338	5.050237	5.036515	5.140881	5.077574
GBP6	ENSG0000	0.248323	-0.13505	3.7115	0.001666	0.006993	-1.53744	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.838337	3.896014	3.937488	4.249584	4.321825	4.093761	4.103106	4.011424	4.236277
KIAA2026	ENSG0000	0.199213	4.735801	2.623528	0.017512	0.045283	-4.12642	4.450796	4.360345	4.55869	4.532944	4.310303	4.72411	4.87074	4.759705	4.764393	4.835851	5.095341	4.773612	5.020957	5.10974	5.068941	4.969919	4.975054	5.06679
FHL3	ENSG0000	0.273996	2.378634	2.641086	0.01688	0.04401	-3.66284	1.791852	1.978677	2.138168	1.840866	1.909591	2.029614	2.376953	1.658879	1.674905	3.236329	3.250939	3.332842	3.353912	3.329589	3.525482	3.651445	3.659719	3.530388
CCDC159	ENSG0000	0.23051	3.050578	2.027799	0.058106	0.116841	-4.70619	3.114469	2.950996	3.24453	3.966538	4.081169	4.088331	3.632324	3.550079	3.557782	2.574485	2.66072	2.693003	3.422776	3.495729	3.378997	2.417026	2.601856	2.760563
RIPK4	ENSG0000	0.015	3.436924	0.13721	0.892433	0.928211	-7.07192	2.548084	2.693541	2.776595	1.978268	2.155834	2.346268	2.26554	1.988058	1.674905	4.848768	4.997958	5.107486	4.984974	4.847068	4.929692	5.31071	5.143675	4.918728
NPIPA1	ENSG0000	-0.10559	1.621868	-0.72666	0.477055	0.596183	-6.05283	2.392887	2.152784	2.681399	2.143217	2.03796	2.258349	2.607661	2.184314	2.087859	1.814181	1.725977	1.800268	1.954519	1.993753	1.851631	1.759719	1.707432	1.739782
SF3A3	ENSG0000	-0.36784	7.071133	-4.00078	0.000882	0.004222	-1.53504	7.435651	7.451053	7.384436	6.477868	6.325656	6.274964	6.691778	6.821569	6.686711	7.531182	7.443295	7.524306	7.039377	7.108382	7.097013	7.417252	7.374596	7.402811
TRIM61	ENSG0000	0.249106	-1.08704	2.727853	0.014066	0.038102	-3.20713	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.282443	2.405511	2.382761	2.28558	2.250257	2.416453	2.494877	2.568968	2.507643
OR7E38P	ENSG0000	-0.25943	2.872991	-2.09252	0.051272	0.105791	-4.61031	3.420312	3.260998	3.384088	3.487804	3.260629	3.535905	3.115825	2.650616	2.869505	2.966925	2.792142	2.983737	2.862939	2.797719	3.157218	2.890155	3.009816	2.760563
PKD1P3	ENSG0000	0.082954	2.117191	0.421371	0.678621	0.769493	-6.33721	2.461454	2.674627	2.982302	2.577385	2.811499	2.557474	2.858632	2.255906	2.530983	1.676063	1.989662	2.198406	2.55467	2.565626	2.559363	2.479639	2.354144	1.775544
GTF2H2C	ENSG0000	-0.18564	4.169704	-2.2412	0.03826	0.083978	-4.67892	4.909255	4.804995	4.781616	4.375995	4.149079	4.256608	4.709802	4.547856	4.549426	4.087524	3.970058	3.986493	3.974777	3.946112	3.824901	3.934535	3.863317	3.881648
ASB7	ENSG0000	-0.07831	4.429121	-1.30987	0.207196	0.313678	-6.27468	4.138162	4.073175	4.16017	4.052041	4.040879	3.97338	4.185161	4.238905	3.935772	4.957113	4.950911	5.007428	4.769223	4.938017	4.981384	4.969919	4.721863	4.898598
MX2	ENSG0000	0.53359	2.878867	4.903881	0.000124	0.000895	0.645659	0.587539	0.410755	0.106501	0.635873	0.625525	0.746642	1.074544	1.082132	0.925731	6.661699	6.736295	6.74599	6.619129	6.679929	6.668116	7.146417	7.280604	7.134169
EP400	ENSG0000	-0.23202	6.937016	-3.49688	0.002669	0.010239	-2.59063	7.266314	7.345888	7.513721	7.269391	7.306413	7.513015	7.135105	7.038831	7.204168	6.740049	6.907683	6.638596	6.490296	6.495009	6.589794	6.606336	6.48545	6.546123
MEX3B	ENSG0000	0.771866	-0.10197	1.965144	0.065495	0.128386	-4.18999	2.051128	1.744817	1.921989	3.041869	3.260629	3.168853	2.667326	2.623806	2.471058	0.190076	0.106501	0.54756	0.610222	0.671977	0.404558	0.183756	0.358227	0.214669
PI4KAP2	ENSG0000	0.323318	3.028536	3.321158	0.003921	0.013869	-2.34929	2.345296	2.125186	2.621113	2.887595	2.787348	2.885561	2.724622	3.002451	2.937508	3.681119	3.517242	3.507833	4.011012	3.652127	3.939687	3.762638	3.713375	3.770842
TENT5C	ENSG0000	0.723923	3.656791	1.645596	0.11771	0.202947	-5.56266	2.416107	2.308123	2.049454	4.733909	4.745876	4.814227	3.953155	4.230044	3.82044	4.232554	4.309807	4.32118	3.181815	3.393046	3.147195	4.180538	4.25315	4.242679
COA5	ENSG0000	-0.12449	4.821078	-1.1021	0.285365	0.403019	-6.53786	5.096964	5.03743	5.029808	4.803367	4.662026	4.844735	4.968851	5.058905	5.216162	4.769473	4.777766	4.711369	5.03202	5.076992	5.050237	4.552316	4.432969	4.602629
UTP11	ENSG0000	-0.00417	5.879366	-0.10537	0.917283	0.945359	-7.39095	5.706108	5.567343	5.494882	5.142425	5.20376	5.324049	5.616898	5.58894	5.616111	6.516467	6.399572	6.510425	6.107656	6.056601	6.076316	6.442119	6.44524	6.489376
PSMG1	ENSG0000	-0.18208	5.164247	-3.04785	0.0071	0.022114	-3.34078	5.643543	5.499103	5.681107	4.784753	4.825118	4.874612	5.409787	5.435516	5.420081	5.358091	5.24967	5.408164	4.774502	4.976997	4.851597	5.153958	5.219805	5.144062
PRR14L	ENSG0000	-0.39457	6.336286	-7.5423	6.77E-07	1.59E-05	5.841557	6.204839	6.300944	6.377849	6.036208	5.87399	6.055601	5.83747	5.865591	5.653661	6.88582	6.988016	6.78869	6.614721	6.595738	6.584232	6.59754	6.526712	6.606939
SERHL2	ENSG0000	1.293924	-0.14011	3.287513	0.00422	0.014732	-1.85828	1.642349	1.670392	1.888281	2.255624	2.366112	1.880533	3.238915	3.063581	3.084728	0.269074	0.330605	0.288049	0.407676	0.416769	0.651457	0.257084	0.2791	0.214669
PCBP3	ENSG0000	0.687378	0.458118	3.056276	0.006972	0.021846	-2.32945	5.100552	5.03743	5.244837	5.980046	5.853781	5.90932	5.672555	5.871301	5.895106	0.106501	0.106501	0.106501	0.171976	0.106501	0.186984	0.106501	0.106501	0.106501
SETD3	ENSG0000	-0.10302	6.164576	-2.05463	0.055179	0.111987	-5.42101	6.145295	6.056225	6.172636	5.927278	6.008039	6.075031	6.042896	5.983638	6.06688	6.477494	6.458142	6.506612	6.04022	6.123609	6.137087	6.342456	6.324822	6.44842
ZNRF3	ENSG0000	0.338989	5.029757	4.154228	0.00063	0.003219	-0.93763	4.516725	4.440906	4.48167	5.025739	5.039662	4.889321	4.832157	4.62424	4.578115	5.312197	5.258789	5.263838	5.409919	5.324918	5.361134	5.680829	5.657352	5.680517
TANGO2	ENSG0000	-0.10787	4.128682	-1.43066	0.170163	0.269652	-5.92869	4.271448	4.406929	4.326715	4.562385	4.854473	4.751204	4.31208	4.282412	4.189248	3.950439	3.836353	3.809637	4.36607	4.210485	4.484549	3.737235	3.612085	3.889829
SMG1P5	ENSG0000	0.12747	0.996315	0.749166	0.463721	0.583668	-5.91663	1.791852	1.780637	1.62731	1.791994	1.437317	1.799787	1.648695	1.760835	1.777424	1.352446	1.467416	1.360915	1.644349	1.591687	1.456457	1.880661	1.16325	1.58715
SFXN4	ENSG0000	-0.11951	5.048089	-1.83941	0.082904	0.154437	-5.55452	5.493352	5.523092	5.486458	5.510375	5.469652	5.566032	5.54317	5.477302	5.470686	4.971948	4.827642	4.859824	4.527992	4.480488	4.56581	4.733454	4.609106	4.587619
MRPL54	ENSG0000	-0.05362	4.741172	-0.87092	0.395605	0.517173	-6.76726	4.846543	4.706012	4.725456	4.790984	4.813207	4.586466	4.83866	4.860754	4.770621	4.902409	4.790397	5.011739	4.848959	4.697103	4.842308	4.865346	4.751478	4.680149
ZNF438	ENSG0000	-0.14072	1.505673	-0.78637	0.442181	0.563023	-5.95054	2.762544	2.37994	2.600444	2.425456	2.03796	2.481849	2.102195	2.481727	2.440135	1.423238	1.403073	1.585733	1.473091	1.622273	1.923865	1.419885	1.368306	1.775544
HMCES	ENSG0000	-0.12346	5.871785	-2.65915	0.016253	0.042704	-4.2535	5.876913	6.094084	6.017577	5.547654	5.644527	5.547605	5.801308	5.848324	5.819027	6.212331	6.133205	6.268915	5.651439	5.694099	5.631222	6.103682	6.137047	6.123666
CCR3	ENSG0000	-0.60199	-0.31188	-1.80472	0.088377	0.161939	-4.72852	0.742531	0.875715	0.898566	0.106501	0.389229	0.461789	0.106501	0.253663	0.256032	1.940223	2.193623	2.120715	1.818016	1.462417	1.046067	2.055273	2.212266	1.844513
DGCR6	ENSG0000	0.010075	3.695256	0.07395	0.94189	0.962501	-6.9796	2.90065	2.90305	2.966237	3.273122	3.207016	2.998412	2.724622	3.122225	2.723053	4.13047	4.301006	4.303708	5.60478	5.560311	5.3633	4.311095	4.400624	4.129778
ZNF530	ENSG0000	0.010642	3.092064	0.144745	0.886568	0.924486	-6.95021	2.850396	2.784561	2.514675	2.181668	2.117603	1.880533	2.933443	2.596487	2.77354	4.480922	4.369954	4.37236	3.213258	3.560336	3.404467	4.454386	4.372311	4.365096
NDUFB1	ENSG0000	0.234101	5.337718	3.377932	0.003464	0.012562	-2.63971	5.114814	5.077581	5.045184	5.749917	5.607073	5.519514	5.478019	5.663233	5.515873	5.198228	5.27461	5.164737	5.522452	5.57015	5.507395	5.20581	5.256415	5.271631
KLHL25	ENSG0000	0.230053	3.638541	2.274914	0.035768	0.079552	-4.68886	2.461454	2.693541	2.621113	2.791417	3.132285	2.885561	2.908934	2.848856	2.560038	4.883704	4.830703	4.916098	4.595172	4.385617	4.338034	5.107626	5.132464	5.048636
TRMT12	ENSG0000	-0.02431	4.740916	-0.51077	0.615905	0.716987	-7.10661	3.738482	3.82133	3.638424	3.999198	3.967543	3.786958	3.690999	3.749274	3.924645	5.759646	5.803151	5.82305	5.969477	5.83786	5.81972	5.791406	5.703538	5.742817
GUSBP1	ENSG0000	-0.03458	3.17079	-0.3651	0.719415	0.801143	-6.73695	3.041689	3.526613	3.217639	3.06262	2.811499	3.069023	3.277716	2.916694	3.421943	3.659289	3.509623	3.573456	3.388755	3.320292	3.494191	3.678389	3.595851	3.375875
GPR1	ENSG0000	-0.19026	0.743455	-0.44011	0.66525	0.75941	-5.91101	2.438959	2.37994	2.514675	3.921807	4.139571	4.096805	2.01302	2.650616	2.376228	0.609835	0.583785	0.921995	0.352262	0.550009	0.651457	0.393424	0.504542	0.659518
ALYREF	ENSG0000	-0.1526	6.79452	-3.92771	0.001036	0.004812	-1.68457	6.6403	6.577844	6.628099	5.749917	5.87112	5.702775	6.43282	6.467323	6.377552	7.629891	7.546497	7.711833	6.945958	6.916573	6.850601	7.538938	7.517187	7.460937
RFLNB	ENSG0000	0.058442	3.311312	0.149079	0.883198	0.922378	-6.33118	6.637833	6.604321	6.593219	6.946912	6.932643	6.958108	6.693573	6.683964	6.706336	1.457372	1.529011	1.538714	0.407676	0.26996	0.760679	1.250674	1.513652	1.170016
EFHC2	ENSG0000	0.108532	-1.15519	0.586227	0.565217	0.674972	-6.05705	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.940223	2.053933	1.538714	2.949505	2.875953	2.76998	1.681967	2.030948	1.775544
UPP1	ENSG0000	-0.60062	5.982069	-5.6683	2.50E-05	0.000256	2.194834	7.5258	7.437092	7.448721	5.612421	5.694082	5.569081	6.532447	6.50821	6.517435	6.081653	5.916967	6.220389	4.595172	4.442428	4.488525	5.968311	5.869726	5.762999
TRIM52	ENSG0000	0.163901	3.826882	0.867706	0.397313	0.51893	-6.51103	3.84498	3.872022	3.83701	3.966538	3.734793	3.907468	4.428731	4.373746	4.388669	3.64455	3.70241	3.507833	4.38345	4.425185	4.265755	3.350072	3.494411	3.641153
LHFPL6	ENSG0000	-0.64356	1.661148	-2.37205	0.029406	0.068136	-3.72478	4.707601	4.729112	4.822347	3.605613	3.588725	3.643939	3.841036	4.019913	4.021828	0.609835	0.748206	0.726056	0.610222	0.345231	1.046067	0.789161	0.975239	1.058313
CMTM4	ENSG0000	-0.06363	7.295612	-1.79217	0.090434	0.164899	-5.96371	7.804026	7.761154	7.799794	7.236666	7.285011	7.322939	7.644902	7.659991	7.660828	7.17258	7.204045	7.123451	6.721765	6.770613	6.817801	7.216456	7.104615	7.189897
TMEM50A	ENSG0000	0.152572	6.454297	2.417369	0.026814	0.06341	-4.78115	6.188076	6.183767	6.084222	6.35076	6.371051	6.410303	6.398022	6.506377	6.483715	6.483718	6.470949	6.444992	6.878915	6.895598	6.845961	6.514932	6.449764	6.523954
TBK1	ENSG0000	0.23161	5.865466	3.59141	0.002169	0.00861	-2.24298	6.218111	6.250746	6.174385	6.279424	6.276619	6.35309	6.623754	6.620963	6.579055	5.302841	5.370266	5.366698	5.464835	5.455925	5.536486	5.459873	5.297147	5.434288
CBX6	ENSG0000	-0.21151	7.171498	-4.51154	0.000289	0.001736	-0.42031	6.612929	6.596806	6.681965	6.500859	6.604936	6.455483	6.419869	6.432985	6.385689	7.851029	7.823822	7.929944	8.075505	7.938132	7.980322	7.690979	7.697744	7.613225
MACC1	ENSG0000	-0.00118	5.971807	-0.00838	0.993405	0.995361	-7.42879	5.086148	5.048491	5.064177	4.3081	4.222966	4.218286	4.695544	5.023446	4.849226	7.106222	7.182044	6.992722	7.605294	7.586717	7.555421	7.13552	7.188879	7.241155
TBL3	ENSG0000	-0.33813	6.208258	-3.09187	0.006456	0.020603	-3.40191	6.583748	6.643756	6.746881	5.737065	5.976344	5.796796	6.020192	5.789227	6.02321	6.307799	6.293754	6.508139	6.272513	6.20795	6.188087	6.411331	6.393349	6.216033
ACP7	ENSG0000	0.006679	-0.97917	0.029804	0.976561	0.984578	-6.26407	0.318509	0.215206	0.421314	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	1.676063	1.922393	1.969371	1.733794	1.681564	1.695314	2.211015	2.101639	1.81044
KREMEN1	ENSG0000	1.244274	3.025754	4.604577	0.000236	0.001477	0.519894	1.861169	1.849715	2.109199	4.350907	4.614773	4.293939	2.752438	3.141256	2.798137	2.494552	2.804649	2.592986	3.669424	4.028349	3.68641	3.637781	3.786722	3.716682
TRAIP	ENSG0000	-0.25455	2.804908	-1.9866	0.062875	0.124223	-4.97209	3.300651	2.836538	3.133821	2.393052	2.117603	2.098749	2.858632	2.871824	2.501332	4.13575	4.002991	3.973292	2.193986	2.288901	2.294605	3.871719	3.815048	3.856822
CHEK2	ENSG0000	-0.33957	4.308786	-2.14861	0.045949	0.097043	-4.88064	5.504227	5.372784	5.251481	4.821743	4.58706	4.803913	4.889651	4.960553	5.046897	4.290508	4.357275	4.45065	2.706013	2.913535	2.756856	4.103106	4.100421	4.261717
AIFM3	ENSG0000	-0.81901	0.121663	-2.92386	0.00927	0.0274	-2.58777	1.681202	1.508929	1.585853	1.457877	1.2379	0.984419	1.240874	1.15884	1.171446	0.7264	1.07167	1.094478	1.308151	1.203912	1.08859	0.576451	0.433238	0.805046
KCTD16	ENSG0000	-1.15563	-1.23481	-2.41854	0.02675	0.0633	-3.42501	2.996191	2.802095	2.966237	1.519216	1.373859	1.919272	1.70672	1.430416	1.777424	0.106501	0.106501	0.230035	0.171976	0.106501	0.186984	0.106501	0.19538	0.214669
B3GALT5	ENSG0000	-0.61792	-0.10371	-1.62531	0.121992	0.208737	-5.04512	0.41387	0.661886	0.421314	0.395333	0.625525	0.830331	0.106501	0.253663	0.106501	2.620402	2.753956	2.883807	1.308151	1.320413	1.320349	2.666185	2.601856	2.549558
ZNF703	ENSG0000	0.999871	-0.59455	2.335329	0.031676	0.072301	-3.58038	1.959273	1.81559	1.921989	2.97776	3.225109	3.136338	2.545421	2.568641	2.670735	0.190076	0.106501	0.16959	0.106501	0.190544	0.335616	0.517985	0.19538	0.214669
SLC35F3	ENSG0000	1.524287	2.514064	9.656635	2.00E-08	1.10E-06	9.433691	3.27548	3.209365	3.090013	4.350907	4.177232	4.202668	4.737903	4.357565	4.420702	1.028404	1.369793	1.126631	1.733794	1.738515	1.580823	2.494877	2.410923	2.302316
KCTD8	ENSG0000	0.21492	-0.68451	1.071416	0.298555	0.417344	-5.80743	0.106501	0.215206	0.219246	0.106501	0.389229	0.106501	0.106501	0.253663	0.106501	2.461296	2.285719	2.328504	2.371704	2.288901	2.294605	2.509956	2.601856	2.59029
NPIPA5	ENSG0000	-0.30193	0.713071	-1.29856	0.210969	0.318279	-5.26813	2.245129	2.308123	2.812981	2.21912	2.193078	1.919272	2.303642	2.184314	1.777424	0.834246	0.640699	1.126631	0.982856	0.837535	0.651457	0.884806	0.759002	0.93723
RBM12B	ENSG0000	-0.09057	5.511254	-1.86747	0.078699	0.148564	-5.65217	5.528401	5.569905	5.56856	5.077635	5.003429	5.195807	5.527156	5.499594	5.500968	5.821561	5.899582	5.794563	5.503501	5.558335	5.565001	5.669122	5.674845	5.834677
LIN9	ENSG0000	0.053804	3.572218	0.531059	0.602062	0.704847	-6.81061	3.928091	4.150501	4.011539	3.290819	2.660129	3.231764	4.225415	4.397684	4.17992	4.19764	4.127684	4.224215	2.614772	2.700737	2.559363	4.142342	4.140146	3.95366
BTBD9	ENSG0000	-0.05629	4.540061	-0.87382	0.394062	0.515748	-6.72961	4.309146	4.354415	4.255791	4.54774	4.470555	4.379778	4.454362	4.256466	4.428601	4.755823	4.989766	4.706059	4.907798	5.060335	4.917949	4.700972	4.617172	4.753714
NUDT14	ENSG0000	-0.28569	4.087914	-3.88001	0.00115	0.005228	-1.37231	3.765853	3.812706	3.755225	3.753334	3.855857	3.776446	3.158032	3.302095	3.389938	4.671093	4.758608	4.878827	4.883573	5.009177	4.739314	4.714053	4.576385	4.45054
GPR39	ENSG0000	0.194867	3.290178	0.952609	0.353778	0.47505	-6.54869	3.071243	3.273623	3.28395	2.103714	1.2379	1.956998	2.667326	2.511284	2.643847	4.13575	4.061483	4.260892	4.693208	4.736081	4.573316	4.61293	4.530146	4.467038
KIRREL1	ENSG0000	0.296686	5.92264	1.969784	0.064921	0.127452	-5.32198	8.194426	8.241002	8.230987	7.283824	7.304287	7.33194	8.310035	8.307543	8.324848	3.544892	3.735447	3.707046	3.928165	3.766081	3.928025	4.54867	4.469068	4.411295
IQGAP3	ENSG0000	-0.55526	4.656871	-2.96126	0.008556	0.025693	-3.45271	5.546927	5.404699	5.46661	4.375995	4.529983	4.512384	5.131269	4.997573	5.117003	5.640283	5.5776	5.506132	3.031169	2.863205	2.821313	4.790139	4.92395	4.930673
TOB2	ENSG0000	-0.10949	6.259348	-2.55853	0.020051	0.050411	-4.4883	6.652572	6.582925	6.577441	6.097824	6.191762	6.19434	6.337326	6.403733	6.373466	6.265076	6.282621	6.290363	5.999094	5.995119	5.930525	6.236527	6.283608	6.325637
ARSI	ENSG0000	0.473525	0.002128	2.692325	0.015159	0.040441	-3.21383	0.503316	0.316291	0.679585	0.395333	0.389229	0.3528	0.415731	0.253663	0.39151	1.840286	1.851833	1.759838	2.479079	2.23054	2.382676	2.400938	2.410923	2.119598
UTY	ENSG0000	0.074173	3.609048	0.821972	0.422165	0.54376	-6.45495	4.029438	3.896716	3.801232	4.236852	4.158524	4.434292	4.057185	4.050434	4.270596	3.284659	3.339557	3.297971	3.482063	3.436722	3.707028	3.094024	3.32748	3.267027
TTC32	ENSG0000	0.261145	3.289243	1.536389	0.142348	0.23466	-5.53713	4.051848	3.777682	3.906009	4.052041	3.99943	3.9455	4.479546	4.61746	4.578115	2.906434	2.804649	2.845681	2.911671	2.850343	2.930541	2.417026	2.618024	2.507643
DNAH2	ENSG0000	-0.17525	0.545598	-1.14591	0.267282	0.383682	-6.26526	0.216396	0.316291	0.106501	0.106501	0.389229	0.2349	0.106501	0.253663	0.106501	4.759247	5.038233	4.640764	3.599754	3.652127	3.805912	4.684453	4.695442	4.546811
HTR7P1	ENSG0000	-0.48596	1.254562	-3.65265	0.001896	0.00776	-1.26912	1.959273	1.978677	2.079636	1.688986	2.03796	1.799787	1.389995	1.710758	1.38134	1.964162	1.699433	1.858866	1.954519	1.766169	1.900186	1.734264	1.513652	1.626848
PRKX	ENSG0000	-0.39611	5.369557	-4.22021	0.000545	0.002884	-0.76484	6.408146	6.496712	6.444597	6.122741	6.056841	6.051247	5.719113	5.862728	5.754509	4.660143	4.818421	4.703397	4.656506	4.693507	4.823548	4.746244	4.664642	4.694231
KMT5A	ENSG0000	0.273402	5.866686	4.604625	0.000236	0.001477	-0.06205	5.948335	5.873404	5.945657	5.980046	5.921921	5.840343	6.44139	6.363784	6.308606	5.81005	5.714797	5.829169	5.525587	5.40626	5.479705	5.902702	5.864653	5.909012
SMTN	ENSG0000	-0.34806	5.05086	-3.55628	0.002343	0.009193	-2.21586	5.493352	5.482886	5.597531	5.112883	5.296516	4.956049	5.015513	4.630987	4.940438	5.136363	5.048786	5.221665	4.968945	4.824228	4.842308	5.180117	4.949728	5.026544
COA3	ENSG0000	-0.07223	5.538357	-1.42815	0.170873	0.270447	-6.26263	5.885257	5.871329	5.897758	5.830775	5.891089	5.837817	5.679816	5.774066	5.906462	5.305186	5.152722	5.337805	5.468097	5.419382	5.354615	5.231053	5.243446	5.187851
PTP4A2	ENSG0000	0.25708	7.922911	6.441214	5.33E-06	7.80E-05	3.641501	8.714198	8.717704	8.73303	8.941296	8.889081	8.906249	9.0257	9.027709	8.998186	6.926749	6.918513	6.925202	6.888686	6.825039	6.921416	7.170341	7.106764	7.113359
ACTG1	ENSG0000	0.074283	11.46959	1.866412	0.078854	0.148777	-6.11582	11.25139	11.21631	11.21901	11.02504	11.1111	11.00239	11.29056	11.23568	11.32596	11.77248	11.70587	11.65573	11.70895	11.76152	11.76753	11.74985	11.79702	11.86588
TMPRSS2	ENSG0000	-0.53728	-0.82068	-2.62069	0.017616	0.045511	-3.44663	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.693825	2.590228	2.522234	4.122859	4.034047	3.837423	1.970607	1.981819	2.14716
DENND5A	ENSG0000	0.439227	5.472186	5.047469	9.14E-05	0.000706	1.012945	5.699026	5.656799	5.552509	6.527227	6.461589	6.479985	6.202659	6.241253	6.091965	4.641707	4.726103	4.81613	5.060393	4.931925	5.014844	5.015537	4.978189	5.063177
DSCR4	ENSG0000	-0.13409	-1.84795	-0.87573	0.393052	0.514733	-5.6875	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.555182	1.529011	1.305813	1.308151	1.282615	1.355599	1.320757	1.2488	1.115245
DIABLO	ENSG0000	0.12379	2.063721	0.96149	0.34942	0.470618	-6.01279	2.245129	2.356396	2.514675	2.181668	1.953662	2.605775	2.607661	2.290412	2.471058	2.243849	2.42184	2.30059	2.579013	2.581279	2.312654	2.583072	2.33471	2.350536
VPS33B	ENSG0000	-0.46069	4.582106	-3.89074	0.001123	0.005123	-1.41187	4.937612	4.945746	4.904734	4.487626	4.327153	4.170914	4.330652	3.956862	3.968647	4.826087	4.869913	4.87173	4.968945	5.006281	5.039439	4.76522	4.504286	4.726565
TBX1	ENSG0000	-0.24004	0.164041	-0.5858	0.565497	0.675137	-5.73463	2.526909	2.403106	2.469799	3.142765	3.188693	2.825643	2.376953	1.988058	2.408535	0.190076	0.259702	0.449284	0.5125	0.7293	1.002253	0.457048	0.433238	0.106501
ADAP2	ENSG0000	0.206901	1.160588	0.897693	0.381549	0.503325	-5.82655	2.27083	2.039077	1.744977	1.791994	1.612488	1.919272	1.648695	1.945386	1.50602	1.158593	1.300837	1.413989	1.473091	1.793303	2.014873	1.759719	1.613793	2.003758
UQCR10	ENSG0000	0.6886	5.792554	11.25093	1.97E-09	1.88E-07	11.882	5.331806	5.469231	5.22472	6.23212	6.125878	6.044692	6.217704	6.187341	6.240692	5.378276	5.353339	5.440499	5.941587	5.90936	5.963744	5.905556	5.916229	5.878503
FAM120C	ENSG0000	0.59624	3.896614	3.05402	0.007006	0.021884	-2.9732	3.361722	3.472886	3.565652	4.839889	4.819175	4.884435	4.528631	4.637703	4.700591	3.730807	3.612795	3.636224	3.60569	3.858903	3.933868	3.711377	3.494411	3.611778
EIF3C	ENSG0000	0.074571	4.805982	0.721997	0.479845	0.598882	-6.92274	5.078891	4.99613	5.173166	4.359318	4.558804	4.241401	5.043928	4.894793	4.994649	4.908591	4.682721	4.92069	4.996315	4.697103	4.772296	4.953468	5.112633	5.081151
NIPSNAP1	ENSG0000	-0.3124	7.030194	-4.23695	0.000526	0.002803	-1.00097	7.082612	7.130301	7.088585	6.69611	6.727407	6.669439	6.636872	6.560395	6.564792	7.335154	7.238447	7.282191	7.414739	7.46965	7.434423	7.13187	7.169127	7.120329
LRTOMT	ENSG0000	0.2954	2.321556	2.850706	0.010839	0.030982	-3.12871	1.894617	2.009193	2.194417	2.688367	2.193078	2.675323	1.917967	2.220554	2.239236	2.635389	2.817048	2.693003	3.228726	3.263212	3.21594	3.043104	3.127424	2.880366
KCNQ3	ENSG0000	-0.41005	-1.19158	-1.92335	0.070882	0.136483	-4.4966	0.216396	0.316291	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	1.704765	2.032826	1.67541	1.711947	1.591687	1.51998	1.354562	1.67689	1.739782
ADRA2C	ENSG0000	0.247124	3.188084	1.264017	0.222822	0.332773	-5.76684	4.615318	4.765319	4.817878	4.63346	5.07001	4.761901	4.730929	4.696781	4.860948	1.616888	1.369793	1.653508	2.343563	2.433888	2.589286	2.334732	2.169028	2.326628
NR2C2AP	ENSG0000	-0.40113	4.866637	-4.99659	0.000102	0.000766	0.920496	5.266237	5.237561	5.293935	4.540361	4.621619	4.518705	4.479546	4.562048	4.527529	5.339908	5.19846	5.353173	4.769223	4.668079	4.742646	5.151556	5.146465	5.109451
CRELD2	ENSG0000	0.541209	4.900999	5.315399	5.20E-05	0.000454	1.687216	5.067938	5.144404	5.025938	6.020383	6.031362	5.949645	5.486326	5.431657	5.636714	4.14101	3.919204	4.016833	4.486773	4.484656	4.484549	4.743057	4.584635	4.546811

SCFD2	ENSG0000	-0.20107	4.102301	-2.97129	0.008373	0.025246	-3.33227	3.999005	3.983805	4.145977	3.605613	3.394558	3.584921	4.122591	4.060466	3.990155	4.769473	4.77459	4.845406	4.359059	4.143531	4.155068	4.555953	4.563921	4.365096
UBE2F	ENSG0000	0.358948	3.781603	5.300458	5.36E-05	0.000464	1.813155	3.801557	3.99909	3.755225	4.072648	4.13	4.009735	4.154215	4.138304	4.112876	3.536933	3.455132	3.543997	3.988472	3.731427	3.910354	3.967679	3.863317	3.805852
KCNJ12	ENSG0000	0.10013	2.128537	0.712629	0.485481	0.603799	-6.09519	4.102823	4.136747	3.922756	3.123142	3.410458	3.103073	4.454362	4.040332	3.957772	1.52331	1.467416	1.387696	1.018891	1.16289	1.002253	1.599785	1.406038	1.58715
GPR173	ENSG0000	0.092483	-0.62663	0.621644	0.5422	0.65401	-6.3303	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.605258	2.889287	2.7037	4.002038	4.067774	4.12984	2.524879	2.95995	2.863849
PPP1R2	ENSG0000	-0.02346	5.505612	-0.30544	0.763637	0.834406	-7.25069	5.570401	5.649552	5.620809	5.444703	5.351085	5.327654	5.482179	5.506949	5.534291	5.406943	5.444072	5.537862	5.761881	5.755749	5.74193	5.414519	5.524288	5.612936
TSPYL2	ENSG0000	0.037101	4.288458	0.243149	0.810721	0.869903	-7.02945	3.836399	3.759847	3.93931	4.667726	4.65537	4.639633	4.101117	4.030158	3.783962	4.660143	4.648439	4.737631	4.467344	4.372183	4.315833	4.577584	4.747809	4.632189
PGP	ENSG0000	0.237137	4.844886	1.458618	0.162407	0.260257	-6.10831	4.816318	4.953612	4.95851	5.350809	5.473441	5.276352	5.282018	5.07384	5.136423	4.772865	4.735932	4.918395	4.093589	4.169652	4.165038	5.127316	5.009167	4.853297
C22orf46	ENSG0000	-0.32387	4.535873	-5.65172	2.59E-05	0.000262	2.354781	4.610293	4.644161	4.515184	4.132759	4.293254	4.293939	4.154215	4.175703	4.207726	5.09088	5.123069	5.145251	4.63635	4.718494	4.484549	4.859472	4.847164	4.874064
SNRNP35	ENSG0000	-0.09275	4.282948	-0.96278	0.348788	0.470033	-6.53854	4.252223	4.446492	4.515184	4.576883	4.842803	4.713128	4.4712	4.753535	4.482711	4.359822	4.247042	4.34187	4.106206	4.132949	4.199397	3.967679	4.029668	4.022248
IRAK1	ENSG0000	0.305076	8.879124	7.245331	1.16E-06	2.42E-05	5.127622	9.1147	9.106168	9.172173	9.14171	9.244641	9.149677	9.385984	9.304035	9.379311	8.375107	8.41888	8.477278	8.448874	8.379737	8.36546	8.859898	8.77981	8.779906
CMSS1	ENSG0000	-0.42266	5.154067	-3.13132	0.005927	0.019305	-3.14776	5.45743	5.447111	5.571218	5.432797	5.270617	5.481188	5.038289	4.997573	5.026224	5.598832	5.434044	5.605019	4.583188	4.501207	4.580783	5.153958	5.089629	5.271631
PCDH9	ENSG0000	-0.0811	2.675091	-0.58378	0.566825	0.67647	-6.28806	4.179456	4.043996	4.229112	4.072648	4.177232	4.210498	4.185161	4.316298	3.990155	1.787595	2.011405	2.120715	1.524131	1.993753	1.667532	1.734264	1.878239	1.504318
ACOT1	ENSG0000	0.323683	2.488189	3.112509	0.006174	0.019949	-2.63835	2.051128	2.009193	1.853768	2.393052	2.835252	2.845893	2.412257	2.420731	2.165532	2.943032	2.980302	2.974933	3.436163	3.213858	3.353069	3.200096	3.104657	3.279535
OAF	ENSG0000	-0.14563	0.490153	-0.31932	0.753266	0.827262	-5.9004	4.640181	4.463121	4.429894	3.999198	4.293254	4.027574	4.393833	4.090149	4.404775	0.106501	0.106501	0.288049	0.352262	0.345231	0.335616	0.183756	0.358227	0.106501
ALDH1A3	ENSG0000	-0.14567	4.935761	-0.90428	0.378143	0.500454	-7.02229	3.223781	2.9974	2.99819	1.104644	1.373859	1.055701	1.459147	1.658879	1.38134	8.328032	8.306574	8.402102	8.931909	8.889125	8.936538	8.382553	8.285123	8.300721
POU6F1	ENSG0000	0.680365	0.211318	1.524261	0.145333	0.238505	-4.86088	1.519087	2.332462	2.166567	2.425456	2.490996	2.402038	1.867984	2.184314	2.309357	0.106501	0.462741	0.397516	0.701742	1.077171	0.760679	0.686723	0.572487	0.734116
TM2D3	ENSG0000	0.338413	5.409632	4.850784	0.000139	0.000985	0.524465	5.000411	4.980813	4.808898	5.316663	4.982309	5.227023	5.392213	5.388507	5.609178	5.548259	5.53695	5.527363	5.829386	5.885918	5.760131	5.72995	5.724222	5.765225
TSSC4	ENSG0000	-0.12627	5.527277	-1.55568	0.137705	0.229047	-6.13201	5.525735	5.690142	5.780922	5.087795	5.157403	5.063714	5.418495	5.528791	5.591697	5.667877	5.708155	6.012415	5.625379	5.501884	5.629423	5.884016	5.643597	5.557523
TACSTD2	ENSG0000	0.169961	2.725831	3.392492	0.003355	0.012253	-2.83467	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	9.316925	9.39803	9.555263	10.04589	10.13517	10.14927	9.671043	9.615681	9.476718
PRKD1	ENSG0000	0.171442	2.97731	1.072454	0.298102	0.416997	-5.99399	3.520128	3.628412	3.62825	4.640378	4.439897	4.499659	3.571163	3.809996	3.453254	2.320032	2.193623	2.25768	2.638129	2.50126	2.497588	2.568742	2.518186	2.629903
CCSER1	ENSG0000	-0.24501	1.711118	-1.92099	0.071197	0.136962	-4.82379	1.18244	1.780637	1.406977	1.326771	1.373859	1.367251	1.160105	1.001115	1.564539	2.763691	3.126946	2.983737	3.395624	3.292034	3.378997	2.782512	2.726388	2.81313
ZDHHC23	ENSG0000	-0.32712	3.38118	-1.86735	0.078717	0.148578	-5.20648	3.487617	3.39414	3.544167	2.955742	3.188693	2.697781	2.303642	2.511284	2.82232	3.798946	3.878373	3.834184	4.607058	4.627193	4.573316	3.7814	3.757829	3.840032
RPL23AP8	ENSG0000	-0.53791	3.259657	-2.64148	0.016867	0.043982	-3.6643	4.610293	4.584615	4.579961	3.661095	3.242978	3.321269	3.965091	3.736817	3.946814	3.047564	2.804649	2.893183	3.066031	2.875953	3.177059	2.878584	2.500854	2.724423
EFNA5	ENSG0000	-0.06403	5.882923	-0.27248	0.788444	0.852293	-7.3087	6.244294	6.228223	6.219134	5.5623	5.458224	5.528939	6.415526	6.328935	6.258527	5.477252	5.601093	5.66372	6.380325	6.344918	6.440813	5.329955	5.435851	5.445432
PKP3	ENSG0000	0.08009	6.004827	0.608453	0.550713	0.661366	-7.21312	5.626225	5.55188	5.727119	5.392386	5.637789	5.458352	5.026946	4.955186	5.107194	6.297236	6.514426	6.586086	6.639526	6.686276	6.610916	7.058772	6.936726	6.736203
MAP7D2	ENSG0000	-0.51906	2.741913	-6.81919	2.58E-06	4.57E-05	4.655291	1.235614	1.002471	1.028027	0.934951	0.92021	0.657796	0.269385	0.915275	0.515351	6.379648	6.351367	6.383119	5.839496	5.832965	5.80226	5.928183	5.879817	5.878503
CSF1	ENSG0000	-1.4372	5.073465	-4.23022	0.000533	0.002834	-0.66822	7.4941	7.52221	7.63491	5.199754	4.955466	4.960699	5.609312	5.535999	5.602211	4.717605	4.107636	4.389024	4.359059	4.284065	4.389961	3.737235	3.815048	4.037057
ACTRT3	ENSG0000	0.159672	1.55204	1.224101	0.237159	0.349097	-5.67444	1.755904	1.708084	1.818408	1.578054	1.556428	1.993763	1.917967	1.605065	1.918715	2.356666	2.155072	2.286428	1.838325	1.970168	2.200805	2.384669	2.274787	2.649309
PLA2G6	ENSG0000	-0.55821	1.830377	-3.95434	0.000977	0.004593	-0.759	1.791852	1.978677	1.78216	2.063099	2.193078	1.526279	1.317361	1.15884	1.727075	2.856146	2.561038	2.902498	3.048706	3.263212	3.021143	2.35157	2.429363	2.277588
MAML2	ENSG0000	-0.24587	4.133192	-2.52297	0.021584	0.05339	-4.26009	2.668993	2.886707	3.104764	3.237064	3.6964	3.689474	2.637802	2.511284	2.408535	5.066207	5.176975	5.095351	6.628635	6.533737	6.546597	4.826728	5.036489	4.886383
SS18L1	ENSG0000	0.131173	5.521446	2.354541	0.030469	0.070006	-4.76747	5.541658	5.612764	5.581801	5.525403	5.561519	5.572123	5.856819	5.851216	5.79784	5.456306	5.518087	5.442097	5.306202	5.460164	5.40806	5.396376	5.665153	5.414576
TOP1MT	ENSG0000	-0.15495	5.552685	-1.34042	0.197273	0.301768	-6.43603	5.443372	5.393175	5.472309	4.797189	4.939117	4.879531	5.060712	5.146277	5.067277	5.967858	5.768456	6.0621	6.371642	6.234178	6.227866	5.9601	5.896482	5.859884
COPB2	ENSG0000	0.516821	7.513948	8.874263	6.90E-08	2.80E-06	8.116056	7.015784	7.067345	6.924712	8.014358	7.922812	8.019155	7.569699	7.673943	7.573583	7.134188	7.201682	7.178648	7.735184	7.794448	7.765346	7.631468	7.544935	7.634682
THAP7	ENSG0000	0.084494	4.719321	1.331877	0.200009	0.304938	-6.24042	4.846543	4.856254	4.887776	4.955356	5.114368	5.006395	4.944941	5.002785	5.097318	4.447347	4.588222	4.760864	4.558917	4.573423	4.456413	4.616418	4.680124	4.567359
AP001062.	ENSG0000	0.760085	0.646071	3.551084	0.00237	0.009275	-1.39887	1.384302	1.708084	1.667608	1.840866	1.996426	2.22781	2.102195	1.901414	1.777424	0.834246	0.695454	0.921995	0.828978	0.784432	1.129895	1.354562	1.442809	1.273688
KNTC1	ENSG0000	-0.05741	4.701476	-0.35378	0.727736	0.807065	-7.12481	5.030813	4.822285	5.105102	4.584077	4.507984	4.713128	4.825625	5.068879	4.945952	5.230663	5.419887	5.123508	3.5452	3.552417	3.760608	5.139487	5.143675	5.217405
NCMAP	ENSG0000	-0.34434	0.446655	-1.39861	0.179423	0.280858	-5.60594	0.216396	0.215206	0.106501	0.395333	0.625525	0.461789	0.269385	0.726566	0.515351	3.695491	3.486521	3.636224	2.995443	2.714997	2.976553	3.011667	2.99751	3.121769
WDR27	ENSG0000	-0.53974	3.90916	-4.66834	0.000206	0.001328	0.360158	4.10996	4.065935	4.003689	3.162124	3.151334	3.086148	3.277716	3.633086	3.4839	4.637991	4.854958	4.569452	4.63635	4.358622	4.500385	4.083081	4.205799	4.411295
TXNRD2	ENSG0000	0.250654	5.188204	2.388133	0.028461	0.066464	-4.62419	5.45743	5.358041	5.440682	5.325276	5.4273	5.223158	5.668911	5.499594	5.591697	4.7455	4.672521	4.681918	5.326113	5.322591	5.343684	5.046891	5.042491	4.958165
FOXO4	ENSG0000	0.002163	2.551182	0.009154	0.9928	0.995036	-6.47917	3.288121	3.128277	3.231147	3.54791	3.31232	3.231764	3.33403	2.894433	2.798137	2.033684	1.945166	1.759838	3.27416	3.243672	3.206318	2.247458	2.054898	2.06284
PTP4A3	ENSG0000	-0.03551	2.63329	-0.1729	0.864716	0.909296	-6.63621	3.056542	3.260998	3.075109	2.48816	2.71237	2.164723	2.752438	2.220554	2.165532	2.736149	2.877496	2.756026	3.339736	3.38415	3.106389	3.254827	3.116085	3.093712
TMEM255	ENSG0000	0.353263	-0.12352	1.634479	0.12004	0.206017	-5.16517	0.318509	0.410755	0.219246	0.106501	0.625525	0.2349	0.106501	0.387194	0.256032	2.589954	2.516115	2.485514	2.300295	2.50126	2.07955	2.935534	2.985098	2.84714
PROS1	ENSG0000	0.583485	5.071739	3.064378	0.006851	0.021575	-3.12624	4.846543	5.022548	4.970641	6.900119	6.880799	6.986888	6.042896	6.119389	5.951015	4.076585	4.107636	4.079775	4.98725	4.968095	4.95577	3.749992	3.948889	3.707454
HDDC3	ENSG0000	0.292629	3.951813	3.066149	0.006825	0.021521	-3.02658	3.562366	3.750846	3.443319	4.325376	4.368438	4.130213	4.045989	3.924273	3.957772	3.831846	3.981119	4.224215	4.241981	4.164465	4.223448	4.194605	4.247965	4.223386
ZFP1	ENSG0000	0.083374	3.547967	0.936639	0.361707	0.4836	-6.38986	3.701161	3.855322	3.698006	4.092964	3.759832	3.9455	3.747379	3.924273	3.90213	3.60703	3.562131	3.507833	3.259174	3.38415	3.335521	3.574643	3.511821	3.725851
DUSP8	ENSG0000	-0.61997	3.823558	-2.53634	0.020995	0.052296	-3.95973	5.114814	4.933864	5.180147	4.40878	4.158524	4.264152	4.245129	4.444399	4.372382	3.226465	3.116952	3.225594	3.928165	4.022628	3.8186	2.878584	2.841019	2.760563
SOCS3	ENSG0000	0.007248	6.806656	0.0897	0.929546	0.953856	-7.32664	8.653212	8.537412	8.619487	8.657809	8.755021	8.600259	8.746358	8.63028	8.803509	5.107097	5.130539	5.327468	4.881128	4.856747	4.76576	5.015537	5.063304	4.836464
SLITRK6	ENSG0000	0.228598	2.196924	1.068945	0.299636	0.418573	-6.21093	2.080492	2.09705	2.138168	0.934951	1.164793	1.310092	1.240874	1.15884	0.833554	3.312899	3.562131	3.439082	4.241981	4.154036	3.996621	4.010719	3.910024	3.814473
XPOT	ENSG0000	0.05626	8.237848	1.596175	0.128371	0.216866	-6.33705	8.700374	8.690893	8.655626	8.187901	8.120623	8.23078	8.765254	8.75559	8.732306	8.166219	8.147527	8.151467	7.460086	7.517216	7.49693	8.21698	8.128886	8.249586
STING1	ENSG0000	-0.04132	3.188211	-0.473	0.642066	0.739822	-7.05499	1.010037	1.551021	0.829201	1.326771	1.996426	1.475193	1.389995	1.710758	1.445026	5.757935	5.83093	5.840118	5.675625	5.652103	5.692815	5.769645	5.716735	5.656743
PDE4B	ENSG0000	0.557113	1.840853	1.402819	0.178185	0.279283	-5.07529	7.043074	7.183116	7.230694	7.418712	7.292538	7.33194	7.707525	7.631674	7.627762	0.106501	0.185134	0.106501	0.171976	0.106501	0.106501	0.326864	0.433238	0.409347
SNN	ENSG0000	0.62306	4.679975	4.44494	0.000334	0.001953	-0.23577	3.085796	3.450822	3.522358	4.96641	4.752128	5.006395	4.143751	4.09991	4.216877	5.024124	5.048786	5.016036	5.495531	5.481175	5.526854	5.528118	5.513525	5.572848
NELL2	ENSG0000	-0.86507	0.58971	-5.35327	4.80E-05	0.000428	1.983425	0.106501	0.215206	0.106501	0.258133	0.25478	0.2349	0.269385	0.253663	0.256032	4.295234	4.305413	4.289577	5.206215	5.246098	5.253122	3.290193	3.356678	3.387478
MED12	ENSG0000	0.045117	5.555012	0.600033	0.556184	0.666588	-7.10583	5.603648	5.610278	5.724733	5.647184	5.644527	5.735705	5.897874	5.575011	5.673738	5.41565	5.531317	5.185873	5.730985	5.655804	5.716735	5.375946	5.353756	5.481066
ZNF93	ENSG0000	0.037247	-0.73546	0.259117	0.798572	0.860303	-6.55742	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.45483	3.26005	3.495574	2.24051	2.326537	2.058312	3.281432	3.404065	3.540816
SEPTIN9	ENSG0000	0.421811	9.030045	4.78546	0.00016	0.001097	0.075587	8.366698	8.418462	8.457258	9.542966	9.715324	9.581182	8.86179	8.784626	8.783246	8.717053	8.780583	8.786315	9.434924	9.383414	9.373755	9.214511	9.219464	9.172705
CDCA2	ENSG0000	0.066829	3.623882	0.306566	0.762795	0.83387	-6.95375	3.887134	3.759847	3.828148	3.237064	3.410458	3.391835	4.101117	4.273815	4.00079	4.796392	4.547875	4.657367	2.145912	2.23054	1.992654	4.574001	4.568087	4.45054
OR7E14P	ENSG0000	-0.47159	-0.7407	-1.42313	0.172304	0.272257	-5.21696	0.106501	0.499412	0.106501	0.258133	0.512209	0.3528	0.269385	0.106501	0.106501	2.14259	2.355385	2.021603	1.954519	1.793303	2.121111	1.880661	1.766644	1.58715
AMER1	ENSG0000	-0.21711	4.163045	-2.3842	0.028689	0.066888	-4.38426	5.030813	5.033724	5.014266	4.525489	4.500575	4.645422	4.528631	4.68386	4.592248	3.844798	3.7289	3.712353	3.850304	3.606961	3.780199	3.799922	3.728346	3.881648
ZBTB40	ENSG0000	0.170166	5.282193	1.921005	0.071195	0.136962	-5.49648	4.925527	4.724521	4.921495	5.540275	5.589722	5.481188	5.257962	5.188055	5.252213	5.402569	5.448064	5.38509	5.477839	5.397445	5.51326	5.494399	5.31709	5.453733
H2BC21	ENSG0000	-0.06314	4.807828	-0.76723	0.453187	0.573653	-7.0178	2.218961	2.179863	2.326135	3.619685	3.295295	3.655458	2.637802	2.728183	2.643847	6.920645	6.990071	6.948998	7.418116	7.432918	7.386764	6.790496	6.859786	6.818864
SEPTIN5	ENSG0000	0.239077	2.56376	2.020936	0.058877	0.118028	-4.5492	3.643304	3.638208	3.443319	4.171485	4.13	3.9455	3.690999	3.749274	3.832397	1.616888	1.55885	1.653508	2.357702	2.127698	2.416453	1.734264	1.981819	1.81044
EIF4ENIF1	ENSG0000	-0.0759	5.539863	-1.58546	0.130787	0.220082	-6.06349	6.035255	5.78137	5.774017	5.619441	5.661235	5.559916	5.869576	5.824975	5.773239	5.495847	5.4757	5.568909	5.239047	5.162721	5.217641	5.363548	5.451724	5.423057
RNLS	ENSG0000	0.097277	-0.83486	0.323548	0.750119	0.825015	-6.03653	0.318509	0.215206	0.219246	0.395333	0.625525	0.2349	0.106501	0.387194	0.106501	1.52331	1.403073	1.333627	1.776519	1.793303	1.390007	1.85727	1.368306	1.665483
FAM110C	ENSG0000	-0.13454	1.223607	-0.74172	0.468108	0.587683	-5.90896	1.894617	2.332462	2.079636	2.457149	2.193078	2.5075	1.816207	2.147141	1.918715	1.116489	1.672391	1.188864	1.878105	1.462417	1.667532	1.177011	1.2488	1.370407
ATL3	ENSG0000	0.015159	6.677165	0.165221	0.870666	0.912904	-7.45807	6.387736	6.422128	6.337827	6.605325	6.541374	6.609997	6.415526	6.563926	6.321389	7.064615	7.122098	7.047283	6.579714	6.647769	6.617284	7.042013	7.035578	7.09313
NDUFA12	ENSG0000	-0.20552	5.850917	-4.40599	0.000363	0.002089	-0.49155	6.191444	6.115281	6.073013	5.938549	5.859584	5.783733	5.958837	6.001973	6.036192	6.007276	5.99816	5.884278	5.509846	5.631577	5.706532	5.677494	5.663206	5.745073
SMIM10	ENSG0000	0.008868	2.591383	0.052279	0.9589	0.973943	-6.53199	3.19722	3.286138	3.511328	3.54791	3.531716	3.510758	3.137083	3.578282	3.323715	2.444376	2.355385	2.604447	1.954519	2.169719	1.695314	2.368215	2.500854	2.48622
DYNLT2	ENSG0000	-0.47534	0.028717	-2.27621	0.035676	0.07937	-3.87562	0.742531	0.582935	0.829201	0.635873	0.730585	0.461789	0.782422	0.726566	0.256032	1.676063	1.672391	1.820066	1.954519	1.681564	1.667532	1.320757	1.329561	1.665483
UBE2G2	ENSG0000	-0.21469	6.929846	-4.69677	0.000194	0.00127	0.00516	6.526223	6.479106	6.565494	6.35076	6.397219	6.370669	6.452032	6.429119	6.460789	7.635026	7.619104	7.511045	7.43655	7.450069	7.438539	7.191539	7.293873	7.362227
OSBP2	ENSG0000	0.355386	1.331203	1.648178	0.117174	0.202244	-4.91794	2.080492	2.258179	1.853768	2.933382	2.948483	2.741673	2.26554	2.108984	1.962896	1.199504	1.112482	1.158083	1.248697	1.462417	1.639204	1.599785	1.368306	1.81044
APOO	ENSG0000	-0.37344	4.941242	-5.22953	6.22E-05	0.000521	1.489817	6.249151	6.229843	6.24766	5.510375	5.647884	5.605169	5.69064	5.810187	5.741885	4.451587	4.382523	4.478947	3.741287	3.688714	3.68641	4.315393	4.156841	4.359215
TMED9	ENSG0000	0.324793	7.831207	6.772676	2.81E-06	4.85E-05	4.275969	7.531791	7.538647	7.52884	8.018347	8.110925	8.021382	8.003578	8.01819	8.049398	7.654007	7.622199	7.685431	7.9644	7.936611	7.924196	7.865254	7.81546	7.791918
TMEM186	ENSG0000	-0.05019	4.487906	-0.54081	0.595463	0.699075	-6.9869	4.245758	4.342481	4.320409	3.863871	3.988879	4.096805	4.393833	4.332946	4.626988	4.998272	4.755391	4.895252	4.957386	5.01783	4.932613	4.717304	4.725598	4.775955
SDR42E1	ENSG0000	-0.41105	-0.79169	-2.01587	0.059452	0.118947	-4.45713	0.216396	0.215206	0.219246	0.395333	0.106501	0.106501	0.106501	0.106501	0.106501	2.736149	2.212518	2.369387	1.99126	2.127698	2.161508	2.317694	2.190809	2.119598
RBM33	ENSG0000	-0.10905	5.53325	-1.41903	0.173477	0.273716	-6.29902	5.924244	5.983164	5.980067	5.408686	5.321958	5.408166	5.888503	5.833775	5.770134	5.428613	5.518087	5.417941	5.345753	5.345687	5.473701	5.348947	5.365774	5.417409
ARMCX2	ENSG0000	1.308836	1.801667	6.807656	2.63E-06	4.66E-05	4.883539	1.519087	1.780637	1.921989	3.376187	3.132285	2.763128	3.258446	3.141256	2.915195	1.490718	1.300837	1.188864	2.25569	2.23054	2.312654	1.880661	1.956613	1.665483
BTBD6	ENSG0000	0.354254	5.498013	6.664696	3.46E-06	5.61E-05	4.266625	5.060589	4.969219	4.954444	5.236746	5.458224	5.421721	5.461262	5.246342	5.37174	5.656903	5.56479	5.708223	5.899924	5.824769	5.807042	6.06974	5.946952	5.909012
H1-10	ENSG0000	-0.16254	6.030322	-1.9587	0.066301	0.129608	-5.56375	6.101207	6.224976	6.309455	5.815573	5.984333	5.671913	5.860019	5.79224	5.983548	6.103374	6.076316	6.387272	6.019248	6.163149	5.985004	6.349808	6.168947	5.960412
RBM43	ENSG0000	0.106848	2.615627	0.750742	0.462796	0.582864	-6.29638	2.744313	2.37994	2.865896	3.325575	3.073582	2.629332	2.446718	2.777669	2.501332	2.444376	2.646894	2.714318	3.281595	3.528394	3.445943	2.731965	2.827179	2.880366
SUMO3	ENSG0000	0.394062	6.565731	10.78177	3.79E-09	3.04E-07	11.13126	5.832299	5.854621	5.801441	5.674404	5.754503	5.827671	6.195078	6.196467	6.289216	7.124262	7.056287	7.208528	7.075114	7.048409	7.013954	7.58639	7.485044	7.472559
IMMP2L	ENSG0000	-0.76425	3.870756	-4.70895	0.000189	0.001248	0.521933	4.95357	4.905754	4.908943	3.727576	3.441741	3.472196	3.523527	3.856799	3.867685	4.01489	4.157244	4.079775	3.899458	3.799921	3.773698	3.724364	3.743163	3.679412
JAG2	ENSG0000	0.172169	4.582029	1.056751	0.305013	0.424166	-6.52683	4.516725	4.619648	4.857612	4.640378	4.668652	4.633822	4.445869	4.397684	4.216877	4.026306	4.247042	4.310722	5.365129	5.329559	5.323798	4.826728	4.721863	4.461559
FMNL1	ENSG0000	0.002221	4.921288	0.011146	0.991233	0.993936	-6.77634	7.640526	7.626772	7.714005	7.838263	7.864127	7.82816	7.546053	7.412266	7.490186	1.704765	1.922393	1.933468	2.872818	2.743101	2.661487	3.063688	2.841019	2.81313
PTRHD1	ENSG0000	0.147952	4.597647	1.562765	0.136032	0.226821	-5.84293	5.089762	5.003727	5.11242	5.218368	5.33034	5.227023	5.296262	5.219733	5.420081	3.87036	3.890158	4.171248	4.352013	4.326476	4.423569	4.047354	4.227036	3.716682
ZFP90	ENSG0000	0.430777	5.436366	4.50299	0.000294	0.001764	-0.26397	4.511345	4.366251	4.37619	4.97738	4.939117	5.00189	4.504297	4.332946	4.420702	6.115449	6.071149	6.000535	6.347934	6.374416	6.323319	6.631545	6.642869	6.655731
FAM227A	ENSG0000	-0.34038	0.384528	-1.10246	0.28521	0.40288	-5.55613	0.503316	0.499412	1.146821	1.791994	0.625525	1.475193	0.415731	0.622068	0.39151	1.586365	2.032826	1.413989	2.529911	2.700737	2.416453	1.214313	1.442809	1.942153
NOC4L	ENSG0000	-0.17145	5.109331	-2.17102	0.043969	0.093721	-5.04277	5.156772	5.185067	5.332045	5.046722	5.133653	5.080903	4.758625	4.728586	5.036597	5.250266	5.27236	5.448471	5.178604	5.15751	5.079521	5.332078	5.428995	5.133766
USP18	ENSG0000	0.046132	4.248723	0.498124	0.624606	0.724511	-7.07168	3.498536	3.557914	3.544167	3.21869	3.188693	3.200652	3.315502	3.26787	3.373665	5.687782	5.561109	5.673276	4.549709	4.653345	4.660464	5.6708	5.784554	5.81333
NDUFA6	ENSG0000	0.108263	5.755314	2.046926	0.056006	0.113405	-5.34097	5.950324	6.002253	5.86564	6.164136	6.168576	6.152273	6.048517	6.212301	6.099406	5.475171	5.469823	5.554208	5.389419	5.487419	5.455539	5.503845	5.513525	5.588012
TMEM121	ENSG0000	0.149315	0.050951	0.386123	0.704065	0.788923	-5.96567	0.667115	0.875715	0.756332	1.519216	1.437317	1.526279	0.782422	0.253663	0.833554	0.834246	1.112482	1.413989	1.27873	1.357245	1.002253	1.542275	1.478665	1.273688
TMEM106	ENSG0000	0.870731	1.290426	3.832684	0.001276	0.005693	-0.86809	1.286899	1.780637	1.78216	2.548252	2.229385	2.557474	2.513265	2.481727	2.471058	0.982259	1.435603	1.027938	2.027088	1.970168	1.900186	1.708352	1.478665	1.058313
SIVA1	ENSG0000	0.006015	5.349001	0.076106	0.940199	0.961601	-7.31673	5.156772	5.218099	5.27123	4.605448	4.801196	4.55606	5.104539	4.960553	4.951444	5.726788	5.818649	6.005947	5.631211	5.620257	5.607658	6.119744	6.076911	5.736026
BRI3BP	ENSG0000	-0.19303	6.467484	-0.97976	0.340572	0.461495	-6.93314	7.249446	7.323296	7.359283	6.955259	6.998553	6.931113	7.133784	7.226503	7.062881	6.459712	6.547358	6.556149	4.656506	4.722029	4.705559	6.351901	6.286139	6.27031
DGAT1	ENSG0000	0.174	5.232413	3.994208	0.000895	0.00427	-1.32537	4.707601	4.696667	4.647003	4.851861	5.019069	4.889321	4.914487	4.87219	5.03142	5.554185	5.570294	5.605019	5.83192	5.743628	5.882997	5.685817	5.722354	5.694596
AP3M1	ENSG0000	0.148753	6.532715	2.988354	0.008072	0.024481	-3.60194	7.174835	7.251721	7.225642	7.340151	7.194934	7.347115	7.404209	7.429785	7.318037	5.666054	5.856683	5.701568	5.893872	5.710205	5.807042	5.898412	5.740928	5.958469
F8	ENSG0000	0.060177	3.181819	0.542637	0.594232	0.698033	-6.66723	3.100204	3.128277	2.933559	3.041869	3.151334	3.364021	3.050103	3.002451	2.981126	3.77884	3.605665	3.759253	3.266686	3.348006	3.21594	3.951202	3.728346	3.734962
CA13	ENSG0000	0.14898	3.249914	0.914354	0.372973	0.495361	-6.25061	3.361722	3.027527	3.06005	4.092964	4.177232	3.926609	3.80164	3.605944	3.572114	2.83033	2.841532	2.893183	4.097807	3.981932	4.067427	2.625227	2.711397	2.724423
UBOX5	ENSG0000	-0.36709	3.767085	-3.6485	0.001913	0.007815	-1.79925	3.792713	3.657602	3.828148	3.342644	3.170134	3.643939	3.115825	3.122225	3.528681	4.434552	4.157244	4.47583	4.460809	4.480488	4.315833	4.151986	3.93605	4.197255
MAFF	ENSG0000	-0.30077	3.764281	-1.75935	0.09601	0.173186	-5.51187	4.467563	4.440906	4.48167	2.48816	2.904251	2.629332	4.437325	4.405576	4.585199	4.391063	4.137605	4.389024	3.587808	3.462307	3.608189	3.883346	3.980496	3.621636
BRF1	ENSG0000	0.061148	5.263848	1.038417	0.313229	0.432929	-6.73523	5.015692	5.030008	5.018167	4.915985	4.987618	4.793524	4.986526	4.866483	4.91817	5.600742	5.504735	5.640247	5.786914	5.568187	5.634814	5.820423	5.753789	5.617869
SEMA4B	ENSG0000	0.363112	6.239922	3.996987	0.000889	0.004251	-1.47394	5.282121	5.355074	5.47515	5.122798	5.253089	5.377194	5.605504	5.197177	5.216162	6.794472	6.91995	6.854366	7.409658	7.360496	7.301776	7.459127	7.402282	7.36443
CIB1	ENSG0000	0.311599	6.613697	2.813384	0.011735	0.033033	-4.01314	6.568285	6.631548	6.626822	6.400512	6.56997	6.458774	6.849809	6.775114	6.860262	6.245675	6.242964	6.282357	6.990875	6.980681	6.901429	6.658015	6.698095	6.58191
NELFA	ENSG0000	-0.16144	5.690648	-1.61113	0.125061	0.21261	-6.08382	5.724825	5.902145	6.013674	4.99368	5.124043	4.997371	5.628203	5.557409	5.653661	5.896563	5.946895	6.148806	5.961398	5.76263	5.876944	5.979187	5.961279	5.832557
FLRT2	ENSG0000	1.417748	5.330922	7.510365	7.17E-07	1.65E-05	6.057101	5.834455	5.801125	5.776322	7.905855	7.836441	7.979034	7.336905	7.370541	7.29013	3.403229	3.232543	3.218152	3.904282	3.903166	4.002193	4.185243	4.134537	4.037057
INTS5	ENSG0000	0.021485	5.621139	0.402279	0.692356	0.77979	-7.2566	5.250176	5.191734	5.303557	5.342348	5.239802	5.175948	5.356409	5.38452	5.300358	6.120784	5.887875	5.964298	6.167071	6.064975	6.102489	6.02189	5.983288	5.880558
RPS27L	ENSG0000	-0.46807	6.235957	-5.34672	4.87E-05	0.000432	1.590452	7.864358	7.864913	7.785559	7.49703	7.371825	7.391704	7.272324	7.39948	7.390594	5.071726	5.167323	5.113515	5.246665	4.985845	5.28547	4.76522	4.559742	4.726565
MANEAL	ENSG0000	0.512153	4.595833	5.172927	7.01E-05	0.000573	1.400294	4.165822	4.136747	4.441562	5.363409	5.194607	5.155812	4.552561	4.709588	4.694053	4.167027	4.36574	4.197974	4.856446	4.78759	4.722535	4.856526	4.699246	4.780362
ADSS1	ENSG0000	0.582161	3.216482	2.911656	0.009516	0.027957	-3.13582	3.337603	3.286138	3.443319	3.308302	3.31232	3.292047	4.143751	3.90213	3.879258	2.749986	2.865607	2.53427	3.746669	3.759216	3.740748	3.143207	3.256961	3.065099
ANO9	ENSG0000	0.104028	0.155954	0.514894	0.613077	0.714512	-6.62163	0.318509	0.215206	0.219246	0.106501	0.106501	0.106501	0.548589	0.106501	0.106501	3.45483	3.569479	3.164958	4.417596	4.288839	4.500385	3.493521	3.520448	3.477085
FAF1	ENSG0000	-0.44496	5.58791	-9.34488	3.25E-08	1.58E-06	9.018501	5.784032	5.869251	5.792357	5.117849	5.084948	5.046319	5.213624	5.155666	5.238799	6.243231	6.163866	6.187425	5.55042	5.512128	5.566882	5.892671	5.856159	5.878503
FAM43A	ENSG0000	-0.68611	1.827663	-2.81235	0.011761	0.033092	-3.17536	2.320899	2.49222	2.109199	1.326771	1.437317	1.575618	0.983587	1.367163	0.515351	2.918737	3.034402	3.141546	3.296351	3.120528	3.263113	3.063688	2.601856	2.760563
NSMCE3	ENSG0000	0.274315	4.275067	3.060245	0.006913	0.02173	-2.96673	5.585841	5.501788	5.525355	5.44865	5.514478	5.487647	5.907184	5.859858	5.845819	3.17611	2.841532	3.254982	3.197622	3.272884	2.870883	3.171932	3.104657	3.31642
HSF1	ENSG0000	0.043263	7.327797	0.94374	0.358166	0.480038	-7.07832	6.894964	6.876741	7.036644	6.751478	6.966647	6.824175	6.955301	6.869431	6.949428	7.687647	7.657964	7.831574	7.823153	7.745795	7.770252	7.846815	7.846666	7.73969
C6orf120	ENSG0000	-0.12421	5.800469	-2.71751	0.014376	0.038773	-4.11181	5.506933	5.433112	5.56323	5.768983	5.782263	5.730269	5.319693	5.241941	5.238799	6.008715	6.094257	6.150762	6.313893	6.38002	6.270045	6.071011	6.020253	6.006286
PURA	ENSG0000	0.005401	5.64857	0.109305	0.914206	0.943252	-7.29678	6.027737	5.956007	6.001902	5.90734	5.856685	5.958972	6.164346	6.092752	6.167064	5.447841	5.493191	5.465856	5.246665	5.263181	5.163969	5.317154	5.334317	5.356727
INPP5J	ENSG0000	0.455766	1.119372	1.650191	0.116758	0.201794	-4.93493	0.503316	0.661886	0.679585	2.633943	2.398361	2.825643	0.782422	0.726566	1.244857	1.616888	1.752042	1.933468	3.048706	3.077028	3.032078	1.926335	2.124453	1.877799
LRRC37B	ENSG0000	0.387253	1.357351	2.842399	0.011033	0.031435	-2.87858	1.602421	1.883052	1.818408	2.548252	2.229385	2.374422	2.144798	2.029503	2.047395	1.278001	1.699433	1.248523	1.897591	2.016959	1.923865	1.681967	1.547811	1.58715
DDX51	ENSG0000	-0.35074	5.768891	-7.52253	7.01E-07	1.63E-05	5.893902	6.582466	6.535229	6.558814	5.890028	5.979012	5.986596	6.195078	6.082943	6.178819	5.625347	5.518087	5.71749	5.215949	5.13912	5.128745	5.412514	5.31709	5.29338
NOMO2	ENSG0000	0.193901	6.183528	3.62404	0.002019	0.008148	-2.2172	6.564394	6.620472	6.629375	6.827712	6.644126	6.836877	6.777194	6.855094	6.911887	5.673333	5.688044	5.634668	5.576346	5.54043	5.532641	5.803695	5.735381	5.847335
LINC00482	ENSG0000	0.390499	0.424586	1.615278	0.124157	0.211477	-4.96234	0.947665	1.118985	0.598525	0.635873	1.006428	1.188496	0.415731	0.915275	0.925731	1.388276	1.588084	1.333627	2.193986	1.946191	1.970087	1.627702	2.078458	2.003758
SIGIRR	ENSG0000	0.254684	4.724482	2.005503	0.060645	0.120857	-5.21932	5.1077	5.175008	5.022058	4.753186	4.922581	4.809079	5.141824	5.174263	5.261087	4.109157	4.147458	4.303708	4.863895	4.834061	4.705559	4.62683	4.695442	4.416967
NRBP2	ENSG0000	0.120872	4.55161	1.608233	0.125697	0.213437	-5.81475	3.919992	3.855322	4.011539	5.132645	4.939117	4.78306	3.853933	4.080322	3.979442	4.464232	4.672521	4.335006	5.739109	5.757473	5.715039	4.552316	4.725598	4.632189
IFITM2	ENSG0000	0.483623	5.526439	6.810253	2.62E-06	4.64E-05	4.643345	6.110133	6.180419	6.275633	6.660819	6.859239	6.861952	6.778885	6.717636	6.857339	4.472601	4.287703	4.335006	4.673561	4.630959	4.62479	4.598895	4.65292	4.637057
TNFAIP2	ENSG0000	-0.68603	8.696392	-2.42301	0.026507	0.062882	-4.96137	9.722133	9.746747	9.843612	7.631584	7.837177	7.663929	8.442405	8.330006	8.382912	8.738467	8.64175	8.707958	9.001521	8.951429	9.020268	8.625384	8.648485	8.669895
ZNF445	ENSG0000	-0.06109	4.48723	-0.95897	0.350653	0.471877	-6.67758	4.2778	4.136747	4.235828	4.122913	3.967543	4.162865	4.393833	4.504423	4.270596	5.141621	5.046155	5.005268	4.673561	4.749998	4.653399	4.9115	4.822959	4.898598
PGBD2	ENSG0000	0.035547	3.683472	0.538716	0.596878	0.699931	-6.70745	4.10996	3.944869	4.109872	3.999198	4.030628	4.009735	4.034706	4.090149	4.032233	3.496465	3.619889	3.419749	3.5452	3.637228	3.556108	3.630901	3.413359	3.669942
TCEAL9	ENSG0000	-0.21431	2.13007	-0.64047	0.530174	0.643153	-5.79817	7.813894	7.842315	7.764812	7.756245	7.66479	7.747708	7.552001	7.588995	7.603546	0.106501	0.330605	0.16959	0.171976	0.190544	0.263213	0.106501	0.358227	0.214669
RAB11B	ENSG0000	0.006455	5.791205	0.044111	0.965316	0.977298	-7.2847	6.349049	6.394941	6.478973	6.301416	6.424879	6.278694	6.309508	6.18505	6.315012	4.809665	4.899366	5.074898	5.927438	5.862089	5.849389	5.177758	5.1548	4.977487

PRMT3	ENSG0000	-0.22821	4.759139	-3.36072	0.003596	0.012936	-2.56389	5.194191	5.17164	5.344527	5.015132	5.054916	5.147678	5.003988	5.053893	5.067277	4.809665	4.739193	4.737631	4.187612	4.230476	4.398437	4.588279	4.469068	4.45606
PRPF39	ENSG0000	-0.09829	5.558502	-1.82335	0.085401	0.15787	-5.71964	5.993415	5.975457	5.947704	5.176143	5.321958	5.291197	5.821145	5.836697	5.738712	5.632834	5.691415	5.586355	5.271149	5.253444	5.260115	5.55199	5.603561	5.673426
ZNF74	ENSG0000	0.019399	4.233339	0.254231	0.802284	0.863257	-7.00644	4.12413	4.268725	3.971859	4.132759	4.222966	4.400463	4.154215	4.070428	4.00079	4.256985	4.390842	4.362268	4.790225	4.638459	4.62479	4.522885	4.189664	4.483349
KIAA0825	ENSG0000	0.458779	2.634365	1.801919	0.088833	0.162461	-4.92103	3.747663	3.8803	3.565652	3.988393	3.722109	3.838399	4.591583	4.290959	4.640652	1.940223	1.699433	1.933468	2.25569	1.946191	2.220059	1.354562	1.442809	1.844513
UBALD2	ENSG0000	-0.34138	4.005588	-3.03823	0.007249	0.022456	-3.26644	4.081197	3.99909	4.080323	2.291228	2.460774	2.455733	3.602068	3.214961	3.306673	5.238045	5.231258	5.324005	4.679202	4.573423	4.504317	5.062316	5.190374	4.914724
RBM11	ENSG0000	-0.81696	1.081489	-3.70445	0.001692	0.007083	-1.14547	2.296082	2.152784	2.049454	1.888135	1.612488	1.422231	1.074544	1.549165	1.01237	1.91588	1.644832	1.631268	1.644349	2.016959	1.749324	1.286141	1.442809	1.775544
ZBTB37	ENSG0000	0.062953	4.241385	0.779925	0.445869	0.566554	-6.69213	4.625314	4.729112	4.95851	4.290615	4.447623	4.777799	4.902122	4.917048	4.956916	4.048869	4.107636	3.986493	3.599754	3.738425	3.707028	3.989359	3.955266	4.066226
CCDC137	ENSG0000	0.01203	6.734629	0.316628	0.755276	0.828586	-7.42303	6.514168	6.558629	6.61141	6.487492	6.566426	6.558776	6.682771	6.586665	6.537661	7.026043	6.909856	7.019725	6.861035	6.83405	6.802715	6.975676	7.012066	6.931137
ARL15	ENSG0000	0.855823	1.552403	4.976764	0.000106	0.000795	1.440123	2.438959	2.55562	2.221741	3.605613	3.31232	3.459109	3.19904	3.26787	3.323715	0.834246	1.07167	0.846782	1.644349	1.462417	1.423614	1.419885	0.924142	1.115245
CDK10	ENSG0000	-0.12684	5.62359	-1.22117	0.238239	0.350218	-6.55499	5.724825	5.610278	5.64119	5.753112	5.488499	5.584228	5.93476	5.528791	5.735532	5.656903	5.662504	5.536367	6.006965	5.885918	5.963744	5.255863	5.396559	5.403191
TMEM105	ENSG0000	-0.38646	-0.85599	-1.50819	0.14937	0.243879	-5.13706	0.318509	0.410755	0.323815	0.106501	0.25478	0.106501	0.269385	0.106501	0.106501	1.646779	1.8028	2.055402	1.99126	2.06228	1.947161	1.759719	1.707432	1.739782
SOCS1	ENSG0000	-0.60511	0.514361	-2.39351	0.028151	0.065882	-3.75191	1.519087	1.173893	1.585853	0.742604	0.512209	0.830331	0.415731	0.387194	1.0941	2.033684	1.967585	2.104662	1.711947	1.871771	1.639204	2.115663	1.930959	1.665483
TCN2	ENSG0000	0.059016	3.416409	0.318443	0.753922	0.827709	-6.89227	2.589523	2.448351	2.326135	3.273122	3.31232	3.364021	2.752438	2.981485	3.181386	4.592639	4.627471	4.37236	3.691919	3.78648	3.760608	4.40281	4.30899	4.477932
GAS2L1	ENSG0000	-0.05625	5.282135	-0.60939	0.550108	0.660851	-7.03922	5.720169	5.711177	5.783216	5.608898	5.60362	5.45506	5.486326	5.360361	5.470686	4.782995	4.931084	5.037335	5.280456	5.201218	5.087406	5.278052	5.075063	4.902646
ATP6V0A2	ENSG0000	0.011834	5.223798	0.142359	0.888425	0.925589	-7.22091	5.060589	5.116644	5.1197	5.619441	5.687572	5.581211	5.360933	5.323347	5.136423	5.233128	5.247382	5.272845	5.152484	5.206274	5.248442	5.146741	5.106916	5.123395
PRKN	ENSG0000	1.274414	-0.43257	4.79719	0.000156	0.001076	1.034494	3.454357	3.370829	3.668523	4.122913	3.6964	4.210498	4.576101	4.753535	4.855099	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
TEDC1	ENSG0000	-0.06514	2.951502	-0.37081	0.715237	0.798364	-6.71698	2.369288	2.71221	3.029452	2.933382	3.31232	2.652511	2.513265	2.220554	2.440135	3.496465	3.786782	4.021115	3.266686	3.223865	3.19663	3.806044	3.955266	3.707454
HGS	ENSG0000	-0.07986	7.645361	-0.87839	0.391646	0.513222	-7.15332	7.714969	7.71446	7.79639	7.342274	7.414827	7.224869	7.619638	7.533358	7.691514	7.625206	7.680618	7.737761	7.980194	7.879597	7.854291	7.67727	7.695365	7.568693
TNFAIP8L1	ENSG0000	0.260542	1.154121	1.925422	0.070606	0.136136	-4.56114	1.384302	1.670392	1.30847	1.840866	1.498102	1.623325	1.816207	1.367163	1.727075	1.555182	1.827525	1.759838	1.897591	1.921808	1.923865	1.833493	1.795362	2.06284
RAD51D	ENSG0000	-0.27822	4.062616	-2.95849	0.008607	0.025791	-3.20729	5.128936	5.106095	5.037516	4.863733	4.688349	4.803913	4.857993	4.61746	4.713579	3.614613	3.695711	3.769472	3.236398	3.088026	2.976553	3.545669	3.636099	3.540816
MAPK11	ENSG0000	-0.20744	2.839816	-0.73036	0.474846	0.593944	-6.2476	4.339825	4.150501	4.288462	3.605613	4.061165	3.700636	3.904396	3.833587	3.746538	1.76051	1.699433	1.820066	2.872818	2.938056	2.782986	1.85727	2.124453	2.091498
SP140L	ENSG0000	0.163515	5.712638	3.149552	0.005698	0.018715	-3.19885	5.675165	5.71581	5.688471	5.772136	5.63102	5.767901	5.791286	5.986272	5.909288	5.536332	5.679581	5.579111	5.861989	5.771185	5.791038	5.697389	5.726088	5.756303
MRPL30	ENSG0000	-0.32806	5.883948	-4.46741	0.000318	0.001878	-0.34362	6.760828	6.737869	6.736263	5.996317	5.997551	5.894815	6.415526	6.349536	6.319266	5.687782	5.615362	5.644417	5.258017	5.363901	5.443303	5.494399	5.322033	5.353773
TARS3	ENSG0000	-0.17591	3.487292	-1.44986	0.164804	0.262955	-5.75223	4.12413	4.360345	4.02711	4.009923	4.009905	3.666886	3.774765	3.856799	3.628063	3.340597	3.1855	3.077191	3.501296	3.445301	3.281558	3.171932	3.366281	3.31642
SMYD3	ENSG0000	0.379762	5.078655	3.440277	0.003022	0.011302	-2.23466	6.72176	6.65827	6.577441	7.315508	7.333769	7.306593	7.135105	7.232061	7.101684	3.349712	3.295928	3.297971	3.46257	3.193633	3.396027	3.227721	3.277464	3.107809
METTL7A	ENSG0000	0.782239	0.421604	1.566704	0.135109	0.225652	-4.99448	0.106501	0.106501	0.106501	2.255624	1.996426	2.196611	0.415731	0.726566	0.735084	1.91588	2.115463	1.951531	3.617489	3.591587	3.533199	1.627702	1.981819	1.775544
IFNLR1	ENSG0000	0.241296	2.736506	1.219051	0.239023	0.351078	-5.97132	2.798329	2.802095	2.661582	2.740812	2.71237	2.998412	2.226405	1.945386	2.127218	2.990428	3.126946	3.360144	2.995443	3.162755	3.281558	3.854102	3.757829	3.725851
SH3BGR	ENSG0000	-0.18788	1.181818	-0.89939	0.38067	0.502678	-5.83232	2.369288	2.232543	1.954926	1.933905	1.718467	1.919272	2.102195	1.301009	1.620777	1.315703	1.672391	1.514616	1.597456	1.320413	1.610309	1.681967	1.707432	1.703111
FAM174B	ENSG0000	-0.55901	0.983262	-1.95193	0.067157	0.13085	-4.36827	3.313074	3.196163	3.162305	3.162124	2.787348	2.481849	2.376953	2.420731	2.34318	0.669294	0.583785	0.683459	1.054048	0.7293	0.651457	0.837776	1.118494	0.734116
ZSWIM9	ENSG0000	0.177233	3.03358	1.170635	0.25746	0.372435	-6.07384	2.589523	3.209365	3.029452	3.308302	3.207016	3.136338	2.607661	2.960209	2.798137	3.165825	3.584062	3.432666	3.197622	3.263212	3.167173	3.70484	3.876817	3.540816
KPNA7	ENSG0000	-0.96626	1.150486	-3.71464	0.001654	0.006951	-1.20986	1.602421	1.780637	1.256574	1.256461	0.828511	1.880533	1.074544	0.387194	0.39151	2.817246	2.924094	2.86487	2.193986	2.612083	2.161508	2.384669	2.295039	2.397196
TMEM179I	ENSG0000	0.111253	5.657846	1.438646	0.167918	0.266896	-6.30291	4.785446	4.95753	4.840087	5.691159	5.735694	5.596232	5.383345	5.192623	5.229787	6.021606	6.050294	5.99945	6.39411	6.318312	6.346501	6.064643	5.901444	5.892821
GPRIN3	ENSG0000	0.735013	1.470518	3.494367	0.002684	0.010276	-1.4858	7.267113	7.400868	7.382167	8.475902	8.384338	8.544819	8.122925	8.074345	8.078555	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PARPBP	ENSG0000	-0.01448	3.297235	-0.1569	0.877125	0.917988	-6.809	4.051848	3.944869	3.906009	3.020814	3.260629	3.419122	3.916741	4.09991	4.05282	3.64455	3.554746	3.561745	2.479079	2.326537	2.433049	3.470581	3.394711	3.650813
STAC3	ENSG0000	0.162015	0.316074	0.80569	0.431247	0.55246	-5.80448	1.12723	0.736739	0.598525	1.182548	1.006428	0.909432	0.886508	1.082132	1.0941	1.388276	1.672391	1.188864	1.597456	1.495836	1.801384	1.286141	1.289746	1.58715
ROR1	ENSG0000	-0.19264	3.843535	-1.2962	0.21176	0.319266	-6.17027	3.288121	3.526613	3.322321	3.533117	3.89028	3.964146	3.027514	2.623806	2.616448	4.68196	4.748933	4.681918	4.362569	4.488812	4.492489	4.723786	4.637141	4.646745
SDHAP1	ENSG0000	0.002625	2.4289	0.0198	0.984427	0.990029	-6.60164	2.438959	2.09705	2.446827	2.81607	2.078331	2.763128	2.667326	2.357042	2.127218	3.058725	2.912585	2.845681	2.986372	3.04352	3.010124	2.679583	2.947209	3.149291
SEPTIN7P1	ENSG0000	-0.43095	0.775133	-1.45242	0.164101	0.262129	-5.18365	1.755904	1.81559	1.499186	1.104644	0.828511	1.055701	1.525136	1.549165	1.873138	1.457372	1.588084	1.60868	1.689764	1.846087	1.970087	0.930351	1.16325	1.416439
MUC1	ENSG0000	0.089219	4.744127	1.03918	0.312884	0.432577	-6.60007	3.114469	3.085957	3.39613	4.88719	4.998178	4.874612	3.440463	3.550079	3.143496	5.024124	5.176975	5.043664	7.213709	7.110406	7.297817	4.972643	5.287071	5.191165
FAAP100	ENSG0000	0.073448	5.599393	1.148339	0.266303	0.382586	-6.6708	4.867751	4.804995	4.870617	5.025739	5.529116	5.283793	5.104539	4.784126	5.057123	6.055429	6.103144	6.164378	6.52046	6.377781	6.40235	6.204445	6.197469	6.036078
IRF7	ENSG0000	0.448044	3.407695	3.313946	0.003983	0.014051	-2.57604	1.826927	2.152784	2.326135	2.933382	2.737798	2.719893	2.226405	2.290412	2.408535	4.604112	4.716207	4.895252	4.483553	4.349511	4.496442	5.299906	5.243446	5.037632
L3MBTL1	ENSG0000	-0.27628	2.075666	-1.3119	0.206524	0.312859	-5.56529	2.438959	2.853456	2.794903	2.255624	2.490996	2.998412	2.303642	2.451551	2.530983	2.163418	2.249583	1.820066	2.770846	2.700737	2.756856	1.681967	2.078458	1.942153
BRCC3	ENSG0000	-0.05969	5.775324	-1.01814	0.3225	0.442266	-6.80692	5.876913	5.83559	5.693359	5.966346	5.981675	5.961294	5.63569	5.862728	5.588176	5.795112	5.823267	5.818136	5.717343	5.799899	5.723497	5.780566	5.770158	5.81333
FAM131C	ENSG0000	0.214338	1.543745	0.770169	0.451484	0.571854	-6.00813	2.245129	2.332462	2.423483	2.021307	2.299368	1.840725	1.867984	1.760835	1.50602	1.278001	1.335727	1.60868	2.28558	2.288901	2.544166	2.115663	2.078458	2.174206
LMNTD2	ENSG0000	-0.80073	0.795448	-2.88707	0.01003	0.029171	-2.68434	2.505419	2.534795	2.621113	2.255624	2.686486	2.481849	1.966276	1.605065	1.777424	0.834246	0.748206	0.726056	1.597456	1.282615	1.284217	0.457048	0.924142	0.580851
PRKG1	ENSG0000	0.258589	-1.15442	1.057945	0.304484	0.423554	-5.69471	0.106501	0.410755	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.814181	1.777644	1.538714	1.797417	2.016959	2.161508	2.013561	2.169028	2.06284
NR2F2	ENSG0000	-0.53258	6.138735	-6.37289	6.09E-06	8.72E-05	3.639441	6.448119	6.437637	6.478973	6.222931	6.334017	6.278694	5.646849	5.599299	5.809985	6.131394	6.136919	6.217593	6.539966	6.510421	6.582373	5.876764	5.883166	5.749576
TLCD2	ENSG0000	0.492664	0.659374	2.008898	0.060252	0.120272	-4.24883	1.18244	1.327092	1.028027	2.393052	2.193078	2.22781	1.317361	2.029503	1.826075	0.781331	0.89579	0.921995	1.776519	1.871771	1.610309	0.63264	1.206659	0.93723
LSAMP	ENSG0000	1.051028	0.242427	2.284992	0.035053	0.078377	-3.73212	3.928091	4.021717	4.07284	6.420746	6.156841	6.410303	4.96291	5.002785	5.165072	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.257084	0.106501	0.106501
AHNAK2	ENSG0000	-0.87132	6.872471	-3.54782	0.002387	0.009334	-2.49372	7.458197	7.368867	7.531572	6.067345	6.293865	6.349549	5.56294	5.481041	5.351109	7.332857	7.542769	7.083568	7.6415	7.583806	7.647629	7.225048	7.207028	7.243552
OLFML2A	ENSG0000	2.213521	5.967256	9.117962	4.66E-08	2.05E-06	8.815775	6.101207	6.220093	6.052236	10.55697	10.51581	10.49307	8.618049	8.582348	8.689396	2.708071	2.741	2.796562	5.26928	5.133823	5.241392	3.123735	2.985098	3.093712
SP1	ENSG0000	0.144303	6.407973	1.760065	0.095886	0.172983	-5.9254	6.097621	6.072572	6.172636	6.645426	6.688814	6.687786	6.288287	6.347489	6.35286	6.464965	6.532397	6.403766	6.462761	6.386716	6.42845	6.510253	6.574096	6.543533
WASH3P	ENSG0000	-0.18415	3.350658	-1.61451	0.124325	0.211713	-5.54778	3.756787	3.846899	3.726899	3.123142	3.260629	3.086148	3.774765	3.736817	3.746538	3.637124	3.494263	3.501717	3.416036	3.560336	3.344321	3.143207	3.422593	3.279535
MRPL40	ENSG0000	-0.10397	5.32968	-1.98199	0.063431	0.124992	-5.39164	5.667929	5.759098	5.643717	5.529135	5.454395	5.384134	5.661594	5.606164	5.416114	5.233128	5.157605	5.249309	5.140267	5.065909	5.220033	5.203493	5.101177	5.109451
PCGF3	ENSG0000	0.407078	6.803259	6.596462	3.94E-06	6.23E-05	4.001785	6.273193	6.291664	6.202087	6.761032	6.751013	6.780129	6.914333	6.788756	6.830763	6.742647	6.755749	6.66757	7.34548	7.28902	7.366387	6.968189	6.994371	6.981768
LMLN	ENSG0000	-0.39715	4.115246	-4.34424	0.000416	0.00232	-0.29469	4.25866	4.446492	4.424025	4.619522	4.368438	4.549901	3.761137	3.749274	3.733845	4.337085	4.14254	4.300188	4.211164	4.274468	4.25179	4.093128	3.980496	4.101878
P4HB	ENSG0000	0.699828	10.39529	7.251981	1.15E-06	2.40E-05	5.060779	9.94066	9.964467	9.979624	11.05496	11.09005	11.03542	10.73059	10.77362	10.80289	9.872009	9.877666	9.905386	10.21688	10.24135	10.21911	10.48008	10.4755	10.47571
PSMD13	ENSG0000	-0.085	6.853137	-1.66706	0.11332	0.196927	-6.11914	6.996658	6.933532	6.926789	6.751478	6.784952	6.798429	6.883218	6.934968	6.85441	6.783583	6.84549	6.962979	6.930079	6.962866	6.947642	6.806614	6.767681	6.716789
PBX1	ENSG0000	0.905165	3.280339	4.319459	0.000439	0.002429	0.115443	6.697091	6.733307	6.70393	7.988835	7.913079	7.958257	7.689652	7.64006	7.596552	0.669294	0.330605	0.639567	1.121891	0.837535	1.17005	0.457048	0.504542	0.734116
NDUFA4L2	ENSG0000	0.604953	0.88354	2.233491	0.038852	0.084929	-4.04017	1.010037	1.327092	1.499186	1.326771	1.666451	0.830331	2.186178	2.290412	2.34318	1.91588	1.875739	2.004401	0.982856	0.837535	0.760679	1.759719	1.956613	1.942153
SHC4	ENSG0000	-0.26051	1.790103	-0.86493	0.398795	0.520293	-5.84724	3.952119	4.036608	4.065319	4.290615	3.978251	4.154771	4.045989	3.879643	3.759121	1.352446	1.498542	1.248523	0.407676	0.612281	0.707101	0.686723	0.816175	1.058313
AC034236.	ENSG0000	-0.20457	1.302851	-1.08415	0.293027	0.411674	-5.65945	2.137484	1.947501	1.853768	2.359902	2.155834	1.956998	2.058296	1.85606	2.087859	2.056133	1.922393	1.305813	1.733794	1.622273	1.488568	1.482378	1.329561	1.461048
ZFP36L1	ENSG0000	0.363816	7.266266	2.216158	0.040214	0.087445	-5.23945	7.258307	7.221903	7.310805	6.951091	7.006421	6.99144	7.029648	6.93633	7.032107	6.874022	6.84549	6.864531	7.855585	7.767764	7.804537	7.717202	7.764172	7.740821
UBE2L3	ENSG0000	-0.02306	7.085965	-0.50682	0.618618	0.719263	-7.35893	7.406963	7.43358	7.427609	7.226357	7.207502	7.260193	7.547046	7.45377	7.573583	6.982754	6.833334	6.970195	6.661064	6.717598	6.695027	6.797426	6.77581	6.779777
BRWD1	ENSG0000	-0.16405	5.839448	-2.34444	0.031098	0.071279	-4.83589	5.754732	5.783578	5.705507	5.958063	5.8095	6.087841	5.523124	5.80423	5.577558	6.041432	6.217467	5.867727	6.009206	5.929373	5.997611	5.823444	5.766537	5.921037
PMEL	ENSG0000	-0.7098	1.617611	-3.70424	0.001693	0.007084	-1.19823	2.744313	3.07157	2.446827	1.933905	1.909591	1.956998	2.340763	1.760835	2.087859	2.033684	1.945166	1.986992	1.897591	2.23054	1.801384	1.599785	1.645686	1.546329
ZBTB3	ENSG0000	-0.08695	1.752447	-0.61063	0.549303	0.660118	-6.20628	2.021155	2.258179	2.300736	2.103714	1.864131	2.317553	2.186178	2.029503	1.777424	2.444376	2.053933	1.986992	2.209661	2.06228	2.465679	2.211015	2.169028	2.091498
EP400P1	ENSG0000	0.101483	3.415513	0.938257	0.360898	0.482791	-6.40088	3.236881	3.085957	3.359697	3.425084	3.31232	3.364021	3.507292	3.749274	3.721038	3.77884	3.901847	3.567612	3.611602	3.724396	3.713835	3.581796	3.835933	3.432977
PRAME	ENSG0000	-0.1726	0.942152	-0.75179	0.462184	0.582557	-5.71916	6.843439	6.873635	6.845688	6.694449	6.70502	6.778813	6.625636	6.627726	6.709581	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
MYBL1	ENSG0000	-0.46352	4.002129	-5.92242	1.49E-05	0.000174	2.975377	3.983545	4.073175	4.153091	3.441022	3.426184	3.620621	3.632324	3.659726	3.681923	5.012691	4.919631	5.016036	3.850304	3.952144	3.773698	4.526597	4.464605	4.572451
MOSMO	ENSG0000	0.305394	4.9925	3.254978	0.00453	0.015544	-2.82061	5.400358	5.164879	5.277754	5.232173	5.3917	5.227023	5.708501	5.708593	5.770134	4.505601	4.51019	4.447471	4.853955	4.827513	4.810905	4.588279	4.621188	4.689552
DRG1	ENSG0000	-0.1673	6.635389	-4.31435	0.000444	0.00245	-0.79166	7.046798	7.09961	6.977762	6.540232	6.491794	6.505669	6.799031	6.840614	6.76989	6.685294	6.696582	6.679811	6.255623	6.288824	6.26889	6.640137	6.483245	6.640054
ANKFY1	ENSG0000	0.005306	6.433664	0.057934	0.954459	0.970609	-7.40881	6.593965	6.671448	6.629375	7.078821	7.015546	7.06886	6.621871	6.603916	6.746384	6.22477	6.262362	6.091924	6.009206	5.941552	6.057707	6.158536	6.174423	6.17478
YTHDF3	ENSG0000	0.439916	7.218737	7.91035	3.52E-07	9.39E-06	6.453788	6.936707	6.845372	6.907989	7.366469	7.302158	7.340886	7.538085	7.541439	7.513582	6.975411	7.030564	6.994901	7.323587	7.305605	7.407907	7.217031	7.251104	7.320468
ZNF696	ENSG0000	-0.04513	3.979782	-0.58098	0.568671	0.677902	-6.88971	3.288121	3.347134	3.190238	3.290819	3.574682	3.377995	3.539581	3.214961	3.124172	4.58494	4.745694	4.876465	5.105079	5.060335	5.178806	4.841704	4.605057	4.582581
IFIT1	ENSG0000	0.228881	3.822164	1.620454	0.123036	0.209998	-6.00145	1.681202	1.508929	1.256574	1.933905	2.155834	2.288255	1.648695	1.549165	1.826075	6.77515	6.834859	6.863338	5.35987	5.562284	5.457569	6.959291	7.070509	7.105477
CXorf38	ENSG0000	0.009592	5.27787	0.166421	0.869735	0.912409	-7.27635	5.067938	4.913842	4.900514	4.938614	4.720591	4.772519	4.980658	5.146277	5.052019	5.671517	5.718106	5.667823	5.658595	5.771185	5.789427	5.655626	5.633692	5.649533
KCNQ5	ENSG0000	0.082195	1.860509	0.628825	0.537596	0.649667	-6.65474	1.12723	1.849715	1.499186	0.395333	0.828511	0.830331	0.670238	1.430416	1.171446	3.889238	3.924944	4.025385	3.36795	3.401888	3.421201	4.083081	4.047684	4.242679
ADAMTSL5	ENSG0000	-0.04065	1.956823	-0.22888	0.821619	0.877762	-6.35917	2.438959	2.49222	2.469799	2.425456	2.686486	2.429135	2.144798	2.568641	2.501332	1.732907	2.249583	1.896649	2.649667	2.714997	2.312654	1.948641	2.169028	1.703111
MORF4L1	ENSG0000	-0.07949	8.676839	-1.55339	0.13825	0.229659	-6.42211	8.709507	8.724329	8.637987	9.001645	8.89333	8.957459	8.688587	8.706125	8.69268	8.67529	8.662512	8.66396	8.542364	8.60342	8.566409	8.513872	8.462631	8.546921
WDR53	ENSG0000	-0.31917	3.774888	-4.74499	0.000174	0.001173	0.562983	4.051848	4.036608	3.987862	3.376187	3.207016	3.459109	3.632324	3.605944	3.543305	4.341661	4.435757	4.463295	3.686328	3.745389	3.81227	4.332457	4.205799	3.976887
DMWD	ENSG0000	0.207853	4.89173	3.666968	0.001837	0.007576	-1.97295	4.381709	4.57954	4.498524	4.815644	4.764552	4.639633	4.666597	4.511753	4.764393	5.009819	5.130539	5.168603	5.436806	5.213825	5.405959	5.367692	5.344069	5.265357
SLC52A2	ENSG0000	0.054097	7.300012	0.817991	0.424374	0.546062	-7.18683	6.714755	6.646185	6.8191	6.833761	7.024613	6.84696	6.713169	6.565688	6.594935	7.654007	7.739209	7.889817	7.95484	7.906251	7.912408	8.073381	7.953253	7.740821
PIGP	ENSG0000	-0.30006	4.351151	-5.38313	4.51E-05	0.000409	1.904696	5.197545	5.204977	5.126945	4.827817	4.770725	4.71863	5.003988	4.992342	4.831463	4.103779	4.205202	4.075663	3.830164	3.695921	3.78667	3.762638	3.815048	3.761956
PCYT2	ENSG0000	-0.10549	5.10821	-1.70884	0.105176	0.185928	-5.85832	4.543331	4.574447	4.657046	4.525489	4.607895	4.407292	4.462805	4.080322	4.270596	5.813348	5.8294	5.892483	5.936886	5.868482	5.836971	5.9546	5.731671	5.815479
NAT8L	ENSG0000	-0.33999	4.364573	-2.89617	0.009837	0.028735	-3.40643	5.300954	5.398948	5.469462	4.765896	5.07001	4.889321	4.709802	4.790167	4.73921	3.695491	3.854512	3.896118	3.95166	3.940055	3.8186	3.889124	3.942484	3.831562
BCAP31	ENSG0000	-0.01247	8.318178	-0.40391	0.691174	0.779076	-7.50625	8.483617	8.552383	8.543023	8.39435	8.475489	8.416566	8.562171	8.560866	8.562339	8.240997	8.140452	8.270464	8.050698	8.032958	8.047878	8.174434	8.14954	8.153901
ARL17A	ENSG0000	0.437289	0.283552	2.334558	0.031725	0.072379	-3.74202	0.742531	0.940485	0.679585	1.104644	1.164793	0.909432	1.160105	0.824004	1.445026	1.388276	1.228418	1.219002	1.621093	1.2438	1.550722	1.320757	1.406038	1.546329
GNB1L	ENSG0000	0.334969	3.981319	3.609793	0.002083	0.008346	-1.81581	4.630287	4.804995	4.777019	4.555081	4.551652	4.386706	5.167879	5.013152	5.087374	3.113269	3.373534	3.400153	3.409264	3.338827	3.263113	3.743628	3.603991	3.31642
DNAH14	ENSG0000	-0.5809	3.858956	-5.13761	7.55E-05	0.000609	1.426948	4.798758	4.778666	4.739702	3.472378	3.48743	3.510758	3.965091	4.203129	3.90213	4.177304	4.097507	4.063257	3.646572	3.599295	3.679472	3.637781	3.793856	3.770842
NPIPB4	ENSG0000	-0.13625	2.952249	-1.37186	0.18746	0.289902	-5.71991	3.509372	3.273623	3.28395	3.441022	3.616407	3.632327	3.258446	3.178579	3.357206	3.058725	3.086546	2.735323	2.852992	2.837366	2.95373	2.679583	2.841019	2.880366
ZNF829	ENSG0000	0.124532	2.440134	1.112607	0.280946	0.398209	-6.25655	1.755904	2.332462	2.049454	1.578054	1.437317	0.909432	1.648695	1.430416	1.777424	4.071084	3.942027	4.008229	3.575762	3.462307	3.600863	4.203908	4.156841	4.376785
THNSL1	ENSG0000	-0.83017	3.840436	-6.32544	6.68E-06	9.40E-05	3.909673	5.125418	5.198371	4.970641	4.325376	3.99943	4.241401	3.953155	4.070428	3.913431	3.688323	3.668598	3.853525	3.360948	3.599295	3.085545	3.415594	3.287607	3.340497
TRIM69	ENSG0000	0.329907	3.461931	1.885847	0.076048	0.144516	-5.1273	3.551922	3.273623	3.309643	4.112999	3.988879	4.138446	3.277716	3.40015	3.783962	3.196464	3.524821	3.549937	3.288992	3.348006	3.353069	3.678389	3.986735	3.937965
IFITM1	ENSG0000	0.458028	3.50213	3.459853	0.002895	0.010928	-2.39518	1.681202	1.744817	1.202741	2.063099	1.953662	2.697781	1.525136	2.029503	1.962896	5.813348	5.638252	5.69756	5.007568	5.14703	5.193492	6.093708	6.291189	6.099179
LAMP1	ENSG0000	0.141234	7.740296	3.950149	0.000986	0.004629	-1.65601	7.988629	8.027474	8.042257	8.605736	8.540148	8.552155	8.195648	8.14558	8.238183	7.045809	7.011134	7.13387	7.493285	7.41556	7.516043	7.179801	7.160874	7.1682
POMK	ENSG0000	-0.26447	2.015831	-2.80813	0.011867	0.033324	-3.25328	2.416107	2.232543	2.274882	1.256461	1.498102	1.669505	2.226405	2.255906	2.34318	3.358771	3.26005	3.149392	2.112949	2.039797	1.923865	3.063688	2.854728	2.830235
LINC00839	ENSG0000	0.175689	-0.72713	1.781838	0.092158	0.167467	-5.01982	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.736149	2.779525	3.035461	3.259174	3.032175	3.206318	2.843302	2.99751	3.135595
KLHDC8B	ENSG0000	0.203179	2.311989	0.620807	0.542739	0.654443	-6.36229	2.021155	2.068355	2.300736	2.143217	1.718467	2.064596	2.412257	2.451551	2.239236	2.204194	2.437987	2.522234	4.359059	4.284065	4.213876	2.432936	2.535313	2.706008
SETD4	ENSG0000	-0.29325	4.245397	-4.30708	0.000451	0.002483	-0.45687	4.495082	4.268725	4.43574	3.753334	3.820593	4.10523	4.205428	4.230044	4.08316	4.699893	4.672521	4.64632	4.437701	4.438137	4.440084	4.410866	4.362748	4.311289
PTCH1	ENSG0000	-0.50824	3.556967	-1.92667	0.07044	0.135853	-5.22615	4.339825	4.065935	4.351665	1.688986	2.333126	2.481849	2.779728	3.023117	3.00245	4.217694	4.34876	4.268117	4.549709	4.412116	4.546874	4.21775	4.123255	4.014786
RNPC3	ENSG0000	-0.23559	3.136364	-1.91222	0.072381	0.138808	-5.01117	3.476616	3.450822	3.384088	3.123142	3.012388	3.349911	3.19904	3.160038	2.981126	3.294134	3.30476	3.172678	3.768	3.614588	3.700188	3.133504	2.99751	3.254409
ZNF267	ENSG0000	0.575899	3.976305	5.351412	4.82E-05	0.000429	1.853171	4.029438	4.12982	3.987862	3.647423	3.722109	3.776446	4.622059	4.511753	4.436456	3.637124	3.675424	3.789694	4.114557	4.210485	4.051393	4.285035	4.2788	4.359215
IRS2	ENSG0000	0.81207	6.047591	5.608653	2.83E-05	0.000283	2.250688	7.178234	7.311865	7.38368	8.469117	8.504482	8.495198	8.252149	8.21963	8.264347	3.857636	4.181422	4.012537	4.191564	4.122289	4.165038	4.414877	4.348284	4.317368
BICD2	ENSG0000	-0.06294	6.417531	-1.42319	0.172285	0.272257	-6.42868	6.4453	6.51809	6.562826	6.33592	6.350594	6.229446	6.373601	6.32478	6.361138	6.570099	6.532397	6.569369	6.330118	6.303053	6.322206	6.672327	6.528851	6.498767
TMLHE	ENSG0000	-0.29858	-0.29985	-1.40923	0.176312	0.277022	-5.03515	4.888652	4.969219	4.874926	3.910405	3.832443	4.194794	4.637058	4.61746	4.512744	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SDHAP3	ENSG0000	0.218864	-0.08004	0.869738	0.396231	0.517802	-5.55463	1.791852	1.173893	1.499186	1.840866	1.666451	1.956998	1.648695	1.85606	1.674905	0.483018	0.640699	0.449284	0.787801	0.416769	0.812339	0.457048	0.504542	0.497646
RASA3	ENSG0000	0.311932	4.4175	2.724164	0.014176	0.038356	-3.64808	5.706108	5.544085	5.440682	6.05186	6.173243	6.240961	5.719113	5.801241	5.725949	2.679436	2.829342	2.638296	3.663745	3.745389	3.540876	3.39137	2.95995	3.530388
LRCH3	ENSG0000	-0.13687	4.766844	-1.71985	0.103117	0.182969	-5.72303	4.785446	4.949684	4.892035	4.845887	4.56592	4.604407	4.857993	4.630987	4.973208	4.92393	4.851948	4.830842	4.989521	4.997558	4.99542	4.602417	4.747809	4.731125
LEMD1	ENSG0000	0.85037	-1.65603	6.266581	7.50E-06	0.000103	3.821239	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.239286	1.265082	1.094478	1.621093	1.946191	1.722572	1.759719	1.851139	1.775544
ZNF566	ENSG0000	0.385032	3.662429	4.511503	0.000289	0.001736	0.117615	3.420312	3.516026	3.176339	3.503067	3.630051	3.485165	3.853933	4.050434	3.832397	3.651939	3.793073	3.789694	4.068019	4.116929	4.109334	3.945668	4.088867	3.969186
AC021092.	ENSG0000	0.483013	0.862832	2.655904	0.016364	0.042924	-3.73564	0.216396	0.106501	0.421314	0.258133	0.106501	0.3528	0.670238	0.726566	0.735084	3.622156	3.811781	3.853525	4.207266	4.307781	4.174939	4.245042	4.071361	3.999746
ZNF529	ENSG0000	-0.08509	3.705878	-1.00923	0.326633	0.4466	-6.48972	3.17016	3.248262	3.231147	3.20008	2.926537	2.924168	2.981245	3.122225	3.271973	4.368817	4.562677	4.431472	4.823716	4.753456	4.785281	4.357681	4.460128	4.323421
ZNF284	ENSG0000	0.158701	1.315833	0.952011	0.354072	0.475325	-6.02679	0.587539	0.940485	0.756332	0.934951	1.307481	1.367251	0.782422	1.082132	1.445026	2.777267	2.575707	2.627101	3.310958	3.357127	3.437743	2.35157	2.985098	2.742606
MATN1-AS	ENSG0000	-0.11649	0.363157	-0.46628	0.646774	0.744044	-5.93942	1.791852	1.591918	1.78216	1.688986	1.2379	1.799787	1.074544	1.491012	1.171446	0.781331	1.029669	0.726056	1.088368	0.888753	1.046067	1.177011	1.16325	0.93723
AIDA	ENSG0000	1.694077	4.958925	23.98987	8.03E-15	2.76E-11	23.61422	4.029438	4.087546	4.145977	5.707722	5.763816	5.877705	5.827697	6.020078	5.754509	3.765279	3.901847	3.658388	5.286012	5.366162	5.348066	5.271431	5.297147	5.161062
CDIN1	ENSG0000	0.500725	3.63541	4.968038	0.000108	0.000806	1.157136	3.810347	3.82133	3.466347	4.181007	4.335505	4.138446	4.302704	4.157125	4.420702	3.294134	3.373534	3.210672	3.416036	3.233802	3.593499	3.6717	3.503143	3.669942
GSAP	ENSG0000	-0.38617	3.871085	-1.85048	0.081222	0.152216	-5.1673	5.86008	5.910253	5.83942	4.59836	4.352066	4.493254	5.333571	5.388507	5.202407	2.693825	2.766797	2.714318	2.842976	2.797719	2.883013	2.692858	2.813204	3.006111
CYP2R1	ENSG0000	0.259234	2.701001	1.806632	0.088068	0.161497	-5.0069	3.249862	3.439663	3.359697	3.456785	3.643567	3.643939	3.761137	3.82184	3.681923	2.589954	2.469748	2.355887	1.897591	2.169719	2.121111	2.706012	2.274787	2.277588
ANKRD46	ENSG0000	-0.13492	4.714554	-2.10893	0.049659	0.10312	-5.09825	4.892796	4.988492	4.974661	4.272916	4.327153	4.241401	4.799197	5.033666	4.66091	5.024124	4.997958	5.026725	4.656506	4.653345	4.681452	4.853574	4.943327	4.853297
PIP5K1C	ENSG0000	-0.04423	6.378694	-0.69613	0.495499	0.612724	-7.08896	7.274278	7.280153	7.439295	7.608836	7.658979	7.630758	7.326533	7.023528	7.260567	5.183009	5.279098	5.299534	5.760552	5.534411	5.675484	5.404468	5.304658	5.277879
ZBTB6	ENSG0000	-0.23747	5.247418	-3.84873	0.001232	0.005541	-1.65484	5.340935	5.178369	5.241504	4.654117	4.662026	4.57438	4.920629	5.098392	5.052019	5.80177	5.785907	5.708223	5.514586	5.514168	5.522983	5.541021	5.556102	5.507891
C2orf76	ENSG0000	-0.09077	3.053675	-0.85578	0.403701	0.525346	-6.29971	3.498536	3.657602	3.443319	3.359513	3.630051	3.419122	3.647218	3.633086	3.614278	2.868884	3.013005	3.001185	3.18974	2.938056	3.032078	2.625227	2.841019	2.706008
POLR3C	ENSG0000	-0.29766	6.05977	-5.91809	1.50E-05	0.000175	2.702686	5.930304	5.801125	5.743707	6.05704	5.921921	5.889947	5.719113	5.646681	5.690258	6.530564	6.448212	6.536837	6.443833	6.396703	6.410754	6.102439	6.113007	6.100942
WWOX	ENSG0000	-0.34335	1.340176	-1.67148	0.112435	0.195765	-4.92367	2.165157	2.179863	2.221741	2.325974	2.660129	2.346268	1.816207	1.945386	1.962896	1.586365	1.922393	1.780195	1.088368	1.528499	1.355599	1.627702	1.581179	1.370407
CIDECP1	ENSG0000	-0.25354	3.125473	-3.14673	0.005733	0.018804	-2.68918	3.454357	3.39414	3.408073	2.887595	2.948483	3.200652	3.137083	3.232814	3.104585	3.60703	3.470912	3.373604	3.456014	3.338827	3.370406	3.298901	3.225651	3.279535
CENATAC	ENSG0000	-0.00271	3.392097	-0.01961	0.984579	0.990029	-6.8996	2.996191	3.347134	3.296854	2.999448	2.398361	2.961768	3.352323	3.521314	3.614278	3.997596	3.953305	3.789694	3.993008	4.028349	4.046009	3.637781	3.967936	3.734962
BCL9L	ENSG0000	-0.33896	8.324812	-3.38487	0.003411	0.012416	-2.95857	9.105355	8.999775	9.144108	7.883432	8.037956	7.905569	8.493779	8.299095	8.409596	8.333211	8.321882	8.396962	7.915953	7.840702	7.826295	8.376138	8.383272	8.260275
POLR1D	ENSG0000	-0.35399	6.618352	-4.20862	0.000559	0.002943	-1.02216	6.964535	6.957203	6.984757	6.386177	6.296007	6.347775	6.335028	6.331009	6.453066	6.736579	6.694063	6.834428	6.736719	6.728182	6.785046	6.635848	6.611923	6.58695

KIF18B	ENSG0000	0.138186	4.149752	0.669668	0.51182	0.626869	-6.83333	5.096964	4.99613	4.990634	3.933121	4.081169	4.30129	5.465469	5.285358	5.466856	4.7455	4.648439	4.643544	1.954519	1.921808	1.970087	4.507942	4.486784	4.467038
ZNRF1	ENSG0000	-0.427	4.650508	-6.9308	2.09E-06	3.88E-05	4.884641	4.226185	4.256058	4.332993	4.487626	4.231942	4.079806	4.057185	3.967564	4.063004	5.526317	5.421918	5.567446	5.20426	5.201218	5.161481	5.018176	5.006099	5.022829
SAPCD2	ENSG0000	0.299546	5.5738	2.020994	0.058871	0.118028	-5.43838	4.981078	4.917869	5.126945	4.944216	5.244245	4.98829	5.356409	5.141559	5.220718	6.297236	6.299289	6.495882	5.377325	5.301484	5.198354	6.820288	6.696192	6.533124
SLC51B	ENSG0000	-0.39596	1.160002	-0.53721	0.597893	0.701004	-6.06396	3.17016	3.439663	3.347346	3.020814	3.410458	3.364021	3.158032	3.415864	3.289427	2.620402	2.453955	2.497858	0.106501	0.106501	0.186984	1.13872	1.118494	0.734116
MTARC1	ENSG0000	0.273343	2.891409	0.728893	0.475721	0.594933	-6.27219	3.738482	3.608619	3.688245	4.898777	4.813207	4.849758	3.953155	4.109604	4.132351	2.409929	2.646894	2.497858	1.336984	1.528499	1.423614	2.417026	2.212266	2.549558
SOWAHB	ENSG0000	0.326982	-1.05335	1.262361	0.223403	0.333322	-5.42399	0.106501	0.106501	0.106501	0.258133	0.25478	0.106501	0.269385	0.106501	0.106501	1.704765	1.529011	1.969371	2.491955	2.714997	2.703134	1.948641	2.169028	1.370407
BLOC1S4	ENSG0000	-0.09531	4.904587	-1.19298	0.248822	0.362746	-6.49495	4.393455	4.538284	4.531653	4.778495	4.789085	4.71863	4.068294	4.119235	4.141991	5.283944	5.413777	5.503074	5.547339	5.568187	5.54032	5.595049	5.358575	5.33891
ZNF749	ENSG0000	-0.12283	2.776096	-1.38375	0.183854	0.285721	-5.77786	2.90065	2.76681	2.812981	2.359902	2.490996	2.581827	2.752438	2.451551	2.697131	3.446357	3.250939	3.339716	3.409264	3.223865	3.437743	3.281432	3.37582	3.162857
MRTFB	ENSG0000	0.031677	5.602896	0.43018	0.672322	0.764053	-7.19498	5.598583	5.720428	5.750758	5.90734	5.703792	5.965928	5.566862	5.733887	5.653661	5.316853	5.43203	5.202938	5.84578	5.878019	5.901004	5.329955	5.401238	5.497221
ZNF17	ENSG0000	0.21155	2.324537	2.140387	0.046697	0.098302	-4.59873	1.430644	1.670392	1.62731	1.933905	1.768674	1.799787	2.144798	1.658879	2.087859	3.651939	3.232543	3.312021	3.691919	3.583837	3.637126	3.530961	3.449945	3.530388
KDM4D	ENSG0000	-0.54639	0.620591	-2.43125	0.026065	0.062028	-3.77096	1.235614	1.226787	1.146821	0.258133	0.625525	0.830331	0.269385	0.726566	0.925731	2.494552	2.303453	2.592986	2.225168	2.190279	1.970087	2.173627	2.295039	2.14716
TOR3A	ENSG0000	0.551105	7.189562	2.954481	0.008681	0.025981	-3.72507	7.252675	7.43358	7.379895	8.74143	8.697055	8.819948	8.199442	8.331042	8.273147	6.29959	6.189128	6.325416	6.174079	6.253845	6.220714	6.331888	6.351658	6.365783
GABRA5	ENSG0000	0.957722	-1.08772	3.915152	0.001065	0.004916	-0.66015	2.526909	2.403106	2.351095	3.06262	3.48743	3.584921	3.19904	3.318907	3.528681	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PPP1CC	ENSG0000	0.272136	7.539741	4.704042	0.000191	0.001258	-0.01407	7.319619	7.326328	7.29642	7.649698	7.60473	7.610927	7.727809	7.840387	7.702956	7.528174	7.509731	7.524306	7.414739	7.437762	7.462988	7.670156	7.593267	7.640148
ZNF555	ENSG0000	0.066065	1.910695	0.562143	0.581157	0.687426	-6.29349	1.959273	2.125186	1.954926	2.48816	2.117603	2.029614	2.102195	1.85606	2.165532	2.37464	2.388995	2.422156	2.399306	2.307842	2.743612	2.568742	2.410923	2.374055
MST1P2	ENSG0000	-1.24051	0.558143	-3.70394	0.001694	0.007085	-1.07821	2.688195	2.655462	3.029452	2.181668	2.229385	1.919272	1.389995	2.029503	1.445026	1.028404	0.848253	0.639567	1.121891	0.7293	0.812339	0.738851	0.2791	0.93723
NAP1L3	ENSG0000	-0.06505	-0.23156	-0.17146	0.865833	0.909914	-5.86147	2.780548	2.784561	2.641489	2.791417	3.033076	2.719893	2.545421	2.568641	2.165532	0.106501	0.185134	0.288049	0.294634	0.416769	0.186984	0.457048	0.2791	0.214669
CA5BP1	ENSG0000	-0.06234	3.81359	-0.92615	0.366981	0.488817	-6.48647	4.369865	4.330447	4.553323	3.753334	3.808643	3.907468	4.528631	4.389749	4.288067	3.93235	3.695711	3.919248	3.236398	3.282491	3.326666	3.793775	3.772348	3.679412
PRELID2	ENSG0000	0.712578	3.345283	4.841162	0.000142	0.000999	0.903704	2.526909	2.55562	2.514675	3.633621	3.820593	3.818042	3.586698	3.659726	3.655245	3.544892	3.532361	3.439082	3.60569	3.68147	3.707028	3.793775	3.916575	3.897964
BACE1	ENSG0000	1.07707	4.459557	5.429821	4.09E-05	0.000381	1.972067	2.996191	3.07157	3.270929	5.299283	5.208315	5.191857	4.832157	4.670823	4.825493	4.252132	4.439772	4.235316	4.871306	4.925808	4.775553	4.879929	4.884398	5.022829
RXRA	ENSG0000	-0.01981	7.333864	-0.17615	0.862203	0.907505	-7.51655	7.363579	7.371806	7.456648	6.655706	6.85634	6.745516	7.390997	7.357378	7.344371	7.449803	7.406844	7.524306	7.669399	7.64047	7.570032	7.516249	7.440852	7.418447
ANKRD37	ENSG0000	0.448929	1.528352	2.457619	0.024694	0.059461	-3.71046	1.286899	1.883052	1.406977	1.840866	2.264801	1.956998	1.966276	2.220554	2.127218	1.840286	2.115463	2.30059	2.096181	1.793303	1.876113	2.35157	2.169028	2.174206
NUDT17	ENSG0000	0.116822	1.541034	0.426021	0.675293	0.766512	-6.18502	2.483604	2.674627	2.865896	2.021307	1.909591	1.993763	2.303642	2.801791	2.723053	1.352446	1.152172	1.49011	2.079215	1.921808	1.801384	1.45147	1.82352	1.416439
ZNF75D	ENSG0000	0.285151	3.303727	1.952305	0.06711	0.130776	-5.03992	2.27083	2.258179	2.37563	3.487804	3.602632	3.608819	2.724622	2.981485	3.271973	3.882973	3.848485	3.905414	4.089359	4.034047	4.189664	3.917673	3.929587	3.992166
CYP4X1	ENSG0000	0.687947	2.298344	6.395397	5.83E-06	8.42E-05	4.089	0.667115	0.661886	1.088647	1.74141	1.612488	1.623325	1.317361	1.710758	1.0941	3.512789	3.431133	3.445469	5.377325	5.388576	5.310386	4.01601	4.071361	4.051715
KRT10	ENSG0000	0.254446	5.298518	3.391508	0.003362	0.012273	-2.60149	5.217507	5.102561	5.11242	5.790912	5.791399	5.674746	5.422829	5.339915	5.493457	5.154683	5.05665	5.121514	5.210117	5.241179	5.343684	5.384153	5.292118	5.305663
NKRF	ENSG0000	-0.09161	5.894995	-1.89606	0.074608	0.142293	-5.64638	6.292142	6.192103	6.200371	5.901593	5.845033	5.716587	6.182352	5.994144	6.074452	6.027299	5.915526	6.001619	5.466467	5.5324	5.405959	5.933785	5.924377	5.958469
GLDN	ENSG0000	0.211797	2.009728	1.988912	0.062599	0.123889	-4.67317	1.791852	1.780637	2.018628	1.840866	2.155834	2.098749	2.102195	2.420731	2.047395	2.47802	2.701418	2.522234	2.738794	2.875953	2.782986	2.554269	2.755911	2.649309
KPNA4	ENSG0000	-0.10332	7.104573	-1.73327	0.100653	0.179738	-6.05163	7.194272	7.216192	7.117967	6.714257	6.690443	6.655165	6.983449	6.989804	6.959003	7.305009	7.297713	7.316135	7.238754	7.235618	7.302341	7.2449	7.31572	7.302195
ZNF501	ENSG0000	-0.08678	1.040516	-0.75727	0.458974	0.579588	-6.40193	0.587539	0.316291	0.829201	0.52061	0.512209	0.3528	0.782422	0.622068	0.39151	3.512789	3.463043	3.567612	3.587808	3.599295	3.517722	3.333216	3.413359	3.519884
ZNF197	ENSG0000	0.033402	4.309172	0.386731	0.703623	0.788614	-7.02531	4.199669	3.750846	4.095173	3.791129	3.934936	3.936085	3.705302	3.913244	3.968647	4.717605	4.692848	4.643544	5.047367	5.107039	5.066284	4.905811	4.65292	4.832225
SPATA12	ENSG0000	-0.75933	-0.56798	-1.72082	0.102937	0.182786	-4.6659	1.384302	1.508929	1.146821	0.395333	0.106501	0.563119	0.415731	0.622068	0.39151	1.028404	0.89579	0.993481	0.982856	1.16289	1.08859	0.789161	1.024588	1.058313
NAP1L2	ENSG0000	0.635151	-1.76443	2.663422	0.016108	0.042427	-2.99396	1.561356	1.670392	1.358564	2.103714	2.229385	2.532704	2.186178	1.85606	2.127218	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RPS23	ENSG0000	-0.02104	9.570654	-0.66874	0.512396	0.627412	-7.4354	9.96288	9.940298	9.919231	9.767532	9.752248	9.722563	9.900304	9.955746	9.913981	9.383208	9.313312	9.269522	9.149557	9.227401	9.236163	9.255208	9.266056	9.372748
BTN3A2	ENSG0000	0.574598	4.948841	3.733444	0.001587	0.006747	-1.81018	4.785446	4.668265	4.647003	4.88719	4.681813	4.819357	5.657922	5.481041	5.474506	4.513734	4.644965	4.621149	5.377325	5.503938	5.337086	4.9115	4.930438	5.019105
PCLO	ENSG0000	-0.38801	3.336654	-3.82733	0.001291	0.005746	-1.33895	3.114469	3.114308	3.176339	3.083078	2.835252	3.086148	2.637802	2.389238	2.408535	4.256985	4.283241	3.977706	4.268416	4.132949	4.398437	4.113016	3.728346	3.881648
INSIG1	ENSG0000	0.024519	4.487469	0.113307	0.911078	0.94128	-7.06522	4.620325	4.715296	4.734969	5.132645	5.109506	5.028711	5.141824	5.228657	5.062209	4.707004	4.755391	4.684621	3.456014	3.599295	3.299771	4.271827	4.140146	4.376785
ANKRD20A	ENSG0000	0.10495	0.779531	0.313655	0.757496	0.830243	-6.05368	2.080492	2.179863	2.079636	1.519216	1.373859	1.623325	2.446718	2.451551	2.274723	0.834246	0.986408	0.921995	1.446877	1.495836	1.390007	0.789161	0.871168	0.805046
C5orf38	ENSG0000	-0.1123	-0.69715	-0.57372	0.573467	0.681737	-5.77211	3.551922	3.657602	3.922756	3.999198	4.020303	3.878271	3.507292	3.506713	3.655245	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZNF396	ENSG0000	-0.22374	0.704222	-0.88818	0.386505	0.508247	-5.71554	1.336422	1.780637	1.54317	2.021307	1.498102	1.757653	1.588238	0.824004	1.0941	1.028404	1.190799	1.027938	2.009285	1.946191	1.900186	1.177011	1.368306	0.93723
TMEM222	ENSG0000	0.039939	5.882312	0.711289	0.48629	0.604595	-7.09468	5.646	5.637393	5.676178	5.809447	6.023629	5.852905	5.726144	5.755661	5.906462	5.98989	5.833984	5.995103	6.333699	6.224242	6.220714	5.961472	5.911317	5.832557
ARHGAP3	ENSG0000	0.182385	-1.01065	0.706652	0.489097	0.60676	-5.81988	0.318509	0.215206	0.219246	0.258133	0.25478	0.3528	0.269385	0.387194	0.106501	1.388276	1.190799	1.387696	1.248697	1.077171	1.355599	1.13872	1.737342	1.665483
SEPTIN10	ENSG0000	-0.16927	5.609899	-3.20182	0.005086	0.017121	-2.90962	7.411302	7.483339	7.358513	7.137458	7.11107	7.092358	7.243211	7.34717	7.185644	4.187508	4.132653	4.209279	3.988472	3.940055	4.093761	3.994729	3.961615	4.029672
FAM86B1	ENSG0000	-0.34753	2.257113	-3.14147	0.005798	0.018972	-2.44431	2.917019	2.576149	2.794903	2.999448	2.762786	3.03415	2.26554	2.540248	2.501332	2.392392	2.249583	2.409144	2.770846	2.549802	2.756856	2.034568	2.254246	2.033602
SMYD4	ENSG0000	-0.37659	4.013289	-4.56122	0.000259	0.001594	0.171312	5.089762	4.992316	4.870617	3.875646	3.99943	4.000731	4.358069	4.474723	4.305329	4.13047	4.077032	4.071539	3.173846	3.320292	3.299771	3.956715	3.961615	4.007286
FOXD2	ENSG0000	0.530565	0.489547	2.986196	0.008109	0.024563	-2.60346	0.503316	0.582935	0.756332	1.104644	0.92021	0.746642	0.886508	0.726566	1.01237	1.646779	1.875739	1.631268	1.838325	2.190279	2.294605	2.135245	1.737342	2.277588
GPATCH8	ENSG0000	0.030174	6.426132	0.649126	0.524696	0.638139	-7.21336	6.431123	6.341981	6.328432	6.508442	6.51404	6.526206	6.426359	6.377892	6.354934	6.494033	6.500079	6.456896	6.369027	6.384488	6.408658	6.527026	6.468832	6.562849
CEACAM1	ENSG0000	-0.10589	3.562405	-1.74481	0.098574	0.176892	-5.63442	2.649532	2.71221	2.579475	2.143217	2.520598	2.317553	2.513265	2.220554	2.530983	5.312197	5.188951	5.265644	4.627624	4.577331	4.569568	5.212738	5.198461	5.11295
NF2	ENSG0000	-0.51787	6.490105	-3.35195	0.003666	0.013126	-2.88997	7.303366	7.220274	7.248239	5.587578	5.785315	5.643273	6.259498	6.379897	6.315012	6.832359	6.69742	6.742752	6.466028	6.424086	6.422229	6.59754	6.618969	6.591974
SMIM29	ENSG0000	0.029008	3.770793	0.399307	0.694504	0.781406	-6.83975	3.643304	3.944869	3.819232	3.70135	4.020303	3.786958	3.719464	3.619579	3.90213	3.798946	3.872445	3.955502	4.033205	4.067774	4.013272	4.01601	3.842828	4.022248
UBE2H	ENSG0000	-0.8921	7.792049	-4.97985	0.000106	0.000791	0.591526	9.249062	9.279696	9.225239	8.084524	8.070218	8.095668	7.861537	7.880578	7.808117	7.201189	7.287724	7.277277	7.421485	7.437225	7.446735	6.922433	6.922151	6.922191
MIR22HG	ENSG0000	0.739713	4.180225	8.426635	1.45E-07	4.77E-06	7.702306	4.232739	4.080378	4.080323	4.759555	4.7142	4.679672	4.737903	4.883536	4.795267	3.275122	3.562131	3.380287	4.38345	4.385617	4.444184	4.01601	4.189664	4.177341
HPDL	ENSG0000	-0.06982	2.915805	-0.63683	0.532488	0.645191	-6.71788	1.894617	1.978677	1.987129	2.181668	2.117603	2.258349	1.648695	2.108984	2.127218	4.382206	4.331577	4.662859	4.015478	3.987816	4.194539	4.54135	4.432969	4.129778
KTN1-AS1	ENSG0000	-0.67781	2.007782	-3.01466	0.007627	0.023428	-2.68745	3.026682	3.260998	2.900124	2.359902	2.229385	1.840725	1.762502	2.451551	2.202855	2.392392	2.372288	2.183199	2.439743	2.48471	2.294605	2.448672	1.795362	1.877799
KATNA1	ENSG0000	-0.34756	3.703727	-4.00064	0.000882	0.004222	-0.97632	4.117062	3.888531	4.034833	3.605613	3.867423	3.510758	3.523527	3.736817	3.557782	3.950439	3.901847	3.951019	4.011012	3.999514	4.024267	3.711377	3.735773	3.540816
ARAP1	ENSG0000	-0.00193	5.900389	-0.02591	0.97962	0.986617	-7.38825	5.394524	5.318988	5.353819	5.236746	5.395699	5.195807	5.203583	5.146277	5.07736	6.391835	6.397509	6.397191	6.959349	6.882234	6.81938	6.530728	6.510565	6.490722
KIF24	ENSG0000	0.206107	2.099953	1.013256	0.32476	0.444723	-6.02116	2.296082	2.308123	2.138168	2.518519	2.366112	2.258349	2.806512	2.623806	2.408535	2.664903	2.946841	2.893183	1.621093	1.622273	1.722572	2.990321	2.854728	2.687355
PDE2A	ENSG0000	-0.39504	0.232011	-0.95457	0.352813	0.474246	-5.76465	2.965042	2.534795	2.758051	0.52061	0.512209	0.2349	1.389995	1.430416	1.0941	1.158593	1.335727	1.305813	0.610222	0.26996	0.470356	1.948641	1.981819	1.775544
PRR5	ENSG0000	-0.20073	2.133813	-1.23202	0.234258	0.345612	-5.7316	2.996191	2.76681	2.812981	2.548252	2.686486	2.429135	1.966276	2.290412	2.643847	2.263275	2.405511	2.510098	2.145912	1.921808	2.014873	2.479639	2.585506	2.570068
ZFP91	ENSG0000	0.052449	6.684085	1.020512	0.321404	0.440975	-6.94439	6.54214	6.582925	6.505617	6.318771	6.163893	6.322707	6.815607	6.765948	6.754262	7.059068	6.99758	7.042551	6.602156	6.629065	6.654912	6.960663	6.875001	6.984636
C17orf58	ENSG0000	-0.24583	4.68827	-3.02624	0.007439	0.022919	-3.28605	4.605251	4.527784	4.652033	4.778495	4.84865	4.72957	4.174919	4.203129	4.270596	5.063439	5.014203	5.119519	4.818614	4.882244	5.020346	4.820694	4.965609	4.934632
BCDIN3D	ENSG0000	0.057474	3.66182	0.756675	0.459324	0.579875	-6.56735	3.719942	3.872022	3.83701	3.999198	3.978251	3.954853	3.953155	3.868266	4.08316	3.599408	3.562131	3.712353	3.719554	3.779712	3.517722	3.603046	3.449945	3.761956
CYP27C1	ENSG0000	0.552593	0.2193	3.108125	0.006233	0.020078	-2.51494	0.216396	0.499412	0.219246	0.52061	0.730585	0.2349	0.269385	0.253663	0.256032	2.664903	2.546219	2.497858	2.812503	2.925848	2.633039	3.171932	3.009816	3.135595
LYRM7	ENSG0000	-0.36619	4.884827	-4.42947	0.000345	0.002006	-0.31698	4.650007	4.852052	4.66702	4.350907	4.529983	4.447604	4.737903	4.68386	4.751857	5.62347	5.53695	5.44688	5.119672	5.280064	5.227188	5.018176	4.930438	4.99276
DTX2P1	ENSG0000	0.086283	-0.03323	0.364268	0.720027	0.801575	-5.96595	1.010037	1.118985	1.256574	0.841981	0.828511	0.909432	1.240874	0.915275	0.735084	0.7264	1.112482	0.846782	1.154653	1.320413	1.129895	1.099384	1.2488	0.872651
BCR	ENSG0000	0.145908	6.797711	3.873767	0.001166	0.005289	-1.77737	6.196482	6.127503	6.17962	6.624643	6.635697	6.473492	6.314182	6.331009	6.273953	7.050009	7.017864	7.102385	7.628439	7.534907	7.504802	7.251083	7.178696	7.188239
SPIN4	ENSG0000	0.225386	4.427025	1.578507	0.132376	0.221882	-5.88285	4.179456	4.210824	3.979882	4.472198	4.42432	4.460795	4.99237	4.819999	4.819498	4.874259	4.784095	4.711369	4.122859	4.034047	4.21867	4.598895	4.721863	4.510131
SPIN2B	ENSG0000	0.124288	2.252465	0.675125	0.50843	0.623953	-6.27006	2.815895	2.403106	2.621113	2.393052	2.686486	2.196611	2.186178	2.596487	3.124172	2.14259	2.388995	2.286428	2.911671	2.837366	2.833866	2.417026	2.33471	2.570068
HYAL3	ENSG0000	-0.55321	2.341605	-5.00034	0.000101	0.000761	1.428262	3.487617	3.461896	3.408073	2.766336	3.033076	3.119801	2.832807	2.702788	3.104585	2.543041	2.193623	2.435052	2.009285	1.970168	2.121111	2.075685	1.956613	2.119598
VSIG10L	ENSG0000	0.29112	2.302784	1.886145	0.076005	0.144455	-4.81613	2.568952	2.448351	2.794903	3.181227	3.225109	2.998412	2.806512	2.801791	2.748518	2.243849	2.267764	2.369387	2.162115	2.169719	2.07955	2.719047	2.500854	2.464474
ZNF397	ENSG0000	-0.16722	4.305389	-2.07916	0.052621	0.107931	-4.99071	4.605251	4.412648	4.48167	4.707799	4.515354	4.651187	4.225415	4.175703	4.235006	4.103779	4.327249	4.108233	4.580176	4.53375	4.807727	4.072963	4.11758	4.177341
ZSCAN30	ENSG0000	0.155168	3.230107	1.57631	0.132881	0.222557	-5.565	2.933205	3.100202	2.794903	3.441022	3.329147	3.405543	3.315502	3.431409	3.468658	3.394446	3.524821	3.380287	3.652319	3.695921	3.886451	3.341669	3.317614	3.487904
TPCN1	ENSG0000	-0.09508	6.462235	-2.03096	0.057755	0.116216	-5.47436	6.645222	6.631548	6.570816	6.622897	6.77884	6.778813	6.366869	6.371863	6.391763	6.328695	6.328814	6.274307	6.486279	6.493976	6.531263	6.340349	6.354073	6.328649
KRT16	ENSG0000	0.288986	0.06844	2.035253	0.057279	0.11541	-4.88771	0.41387	0.316291	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.895476	3.722323	3.891447	3.918659	3.622174	3.68641	4.156784	4.313961	4.115895
HEXIM1	ENSG0000	-0.33167	7.393152	-3.83826	0.001261	0.00564	-1.859	8.719165	8.659072	8.726189	8.311166	8.276232	8.244669	8.084458	8.039267	8.142981	6.467061	6.377765	6.516505	6.389816	6.477341	6.427415	6.538102	6.420104	6.456705
KRT14	ENSG0000	0.376832	-1.55793	1.768956	0.094348	0.170809	-4.73397	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.278001	2.032826	1.986992	1.498836	1.591687	1.08859	2.055273	1.981819	1.973284
TRABD2A	ENSG0000	1.136283	0.797293	4.071035	0.000756	0.003733	-0.4204	0.318509	0.8079	1.028027	1.182548	1.164793	1.123626	0.782422	1.549165	1.38134	2.056133	1.725977	1.514616	1.573426	2.190279	2.257813	2.692858	2.212266	2.760563
PDZD7	ENSG0000	-0.08557	0.144209	-0.54298	0.594002	0.697877	-5.94248	0.667115	0.875715	0.898566	1.104644	1.006428	0.909432	0.983587	0.824004	0.629397	1.352446	1.335727	1.360915	1.420179	1.462417	1.580823	1.286141	1.442809	1.058313
POFUT2	ENSG0000	0.285255	5.609023	3.617678	0.002047	0.008219	-2.16758	5.319544	5.499103	5.552509	5.743505	5.732536	5.882614	6.031589	5.80423	5.983548	5.387157	5.438064	5.299534	5.899924	5.77289	5.715039	5.498185	5.500503	5.453733
MAPT	ENSG0000	0.552467	-0.83859	1.15446	0.263853	0.37987	-5.23178	1.959273	2.09705	2.194417	2.661411	2.03796	2.455733	2.724622	2.511284	2.501332	0.106501	0.185134	0.16959	0.106501	0.345231	0.335616	0.393424	0.106501	0.106501
ERCC6L	ENSG0000	-0.00087	3.136443	-0.00311	0.997554	0.998255	-6.82636	3.792713	3.7953	3.83701	3.21869	3.602632	3.216292	3.761137	4.060466	3.957772	4.098381	3.942027	3.92383	1.420179	1.282615	1.209118	3.900611	3.743163	3.814473
TMEM17	ENSG0000	-0.65649	2.805945	-4.128	0.000667	0.003375	-0.46854	3.952119	4.197635	3.783005	3.661095	3.410458	3.59692	2.933443	3.102941	3.513908	2.817246	2.889287	2.766268	1.897591	2.21055	2.257813	2.448672	2.447571	2.610232
TNFRSF18	ENSG0000	0.617442	0.199451	4.125949	0.00067	0.003386	-0.66672	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.253663	0.256032	3.629659	3.633975	4.112253	4.515435	4.577331	4.535391	4.581158	4.247965	4.066226
RTN4RL2	ENSG0000	-0.64139	-0.08806	-1.64552	0.117725	0.202948	-4.67146	3.313074	3.085957	3.489013	2.518519	2.686486	2.532704	2.607661	2.451551	2.560038	0.34397	0.259702	0.230035	0.171976	0.416769	0.106501	0.257084	0.433238	0.409347
ZDHHC17	ENSG0000	0.717755	4.572724	6.317191	6.79E-06	9.49E-05	3.78513	4.516725	4.55906	4.464617	5.26388	5.226392	5.411567	5.461262	5.646681	5.526952	3.991785	4.071868	3.754117	4.207266	4.344933	4.406863	4.127753	4.2788	4.249053
ZNF395	ENSG0000	0.030926	4.361341	0.42032	0.679374	0.770101	-7.13987	3.236881	3.405656	3.190238	3.020814	3.073582	3.26222	2.779728	2.916694	2.670735	5.776643	5.952525	5.866538	5.816647	5.743628	5.758486	6.062088	5.966024	5.960412
PPARA	ENSG0000	0.841146	3.673223	5.874324	1.64E-05	0.000188	3.038484	3.128595	3.085957	3.148134	4.263984	4.020303	4.113606	4.225415	4.194045	3.968647	3.091698	3.241771	2.957162	4.580176	4.604394	4.613913	3.691675	3.757829	3.621636
KANK3	ENSG0000	-0.9713	-0.28577	-3.28825	0.004213	0.014715	-1.86079	1.475543	2.152784	2.194417	1.791994	1.373859	1.714252	1.389995	1.231675	1.445026	0.609835	0.695454	0.726056	0.562188	0.416769	0.263213	0.326864	0.2791	0.497646
PTRH1	ENSG0000	0.179139	3.038418	1.045887	0.309863	0.429639	-6.17572	2.780548	2.655462	2.720234	3.21869	3.394558	2.998412	2.696258	1.760835	2.530983	2.930935	3.023743	3.305013	4.499582	4.585115	4.584502	3.530961	3.571152	3.387478
GPR141	ENSG0000	-0.23765	-1.30975	-0.87363	0.394163	0.515762	-5.50516	2.438959	2.534795	2.739267	2.887595	2.490996	2.455733	2.412257	2.511284	2.165532	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TMEM216	ENSG0000	-0.29207	3.947399	-4.17711	0.000599	0.003102	-0.86252	2.744313	2.91921	2.661582	2.181668	2.078331	2.605775	2.144798	2.357042	2.005764	5.976711	5.861181	6.028458	5.817926	5.809899	5.797461	5.797564	5.782762	5.582975
RPS19BP1	ENSG0000	0.284702	5.830165	5.341059	4.92E-05	0.000436	1.534763	5.834455	5.854621	5.837213	5.941353	6.091772	5.857899	6.073542	6.128954	6.185827	5.571821	5.544427	5.759107	5.753885	5.699488	5.594809	6.007353	5.898138	5.780706
TEAD1	ENSG0000	-0.07496	7.317311	-0.96246	0.348944	0.470155	-7.01463	8.35473	8.348956	8.409417	7.75146	7.739857	7.814738	8.402363	8.419927	8.371178	6.613318	6.714919	6.538332	6.386372	6.384488	6.378985	6.397209	6.448634	6.4373
PLCD1	ENSG0000	-0.15741	1.84668	-0.66359	0.51561	0.630524	-6.22123	2.109269	2.125186	2.221741	1.791994	1.864131	1.526279	2.01302	1.760835	2.005764	2.163418	2.249583	2.272125	3.310958	3.065945	3.137101	2.013561	2.410923	2.091498
CCK	ENSG0000	-0.00618	-1.26893	-0.02765	0.978258	0.985732	-6.1856	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.269385	0.106501	0.106501	1.787595	1.851833	1.951531	1.897591	2.250257	2.036756	1.759719	1.707432	1.504318
ENTPD5	ENSG0000	-0.3077	4.647651	-3.88361	0.001141	0.005194	-1.38078	5.506933	5.455446	5.347631	5.277258	4.950037	5.050687	4.986526	5.03875	5.092354	4.337085	4.331577	4.216766	4.268416	4.230476	4.315833	4.036981	4.005291	4.329449
MITF	ENSG0000	-1.40528	4.61856	-8.41551	1.48E-07	4.84E-06	7.6393	5.999192	5.889898	5.848213	5.041505	4.982309	4.997371	3.941119	4.090149	3.82044	4.971948	5.051412	5.035219	3.899458	4.067774	4.029733	4.189932	4.211138	4.261717
NAP1L1	ENSG0000	-0.12739	9.001311	-3.86704	0.001183	0.005353	-1.9258	9.903276	9.898881	9.842924	9.734572	9.578205	9.651898	9.71746	9.80876	9.751884	8.396433	8.378143	8.402512	8.044702	8.102743	8.091655	8.261929	8.216106	8.301871
CMC1	ENSG0000	-0.28128	4.25828	-3.00476	0.007792	0.023825	-3.22796	4.726299	4.83937	4.720675	4.342447	4.293254	3.964146	4.011872	4.474723	4.296723	4.327889	4.322908	4.389024	4.272153	4.195307	4.114488	4.311095	4.293974	4.136669
LYPD6	ENSG0000	-0.29624	1.486112	-1.14562	0.267396	0.383807	-5.72348	2.392887	2.332462	2.326135	1.104644	1.556428	1.123626	2.637802	2.029503	2.087859	2.100009	1.875739	2.136592	1.858352	2.127698	2.34809	1.627702	1.766644	1.910335
AKR1C1	ENSG0000	-0.19936	4.834013	-0.70923	0.487538	0.605602	-6.0392	10.23376	10.25894	10.20053	10.23892	10.32519	10.22533	10.03928	10.03053	9.993674	1.239286	1.112482	0.76743	0.407676	0.612281	0.404558	1.214313	0.924142	1.115245
RNF220	ENSG0000	-0.1228	6.279457	-2.86101	0.010604	0.030443	-3.90234	6.133086	6.213556	6.131809	5.781554	5.647884	5.735705	6.087259	6.161941	6.007476	6.755564	6.748484	6.747283	6.470914	6.48256	6.481271	6.568127	6.62698	6.601968
SHTN1	ENSG0000	-0.11157	5.337723	-2.39258	0.028204	0.065952	-4.4856	6.657452	6.737869	6.669617	7.17487	7.108636	7.204429	6.600985	6.546187	6.584368	3.889238	3.913441	3.804677	4.334248	4.335734	4.237689	3.749992	3.713375	3.840032
BAGE2	ENSG0000	-0.33355	-0.43541	-3.9854	0.000912	0.004342	-0.82923	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.637124	3.647924	3.608031	3.663745	3.637228	3.754018	3.333216	3.267249	3.149291
AC092118.	ENSG0000	-0.06888	1.234261	-0.26007	0.797845	0.859845	-6.00374	3.983545	4.043996	3.783005	4.687901	4.758354	4.473866	3.916741	3.924273	4.141991	0.54782	0.398185	0.499259	0.745413	0.550009	0.862212	0.257084	0.19538	0.409347
ZNF546	ENSG0000	0.969735	-1.26352	1.948921	0.067541	0.131419	-4.17516	1.519087	1.508929	1.499186	1.326771	1.817192	2.098749	2.226405	1.901414	2.087859	0.106501	0.106501	0.230035	0.106501	0.190544	0.186984	0.106501	0.2791	0.580851
TSPYL4	ENSG0000	0.028728	4.842346	0.475208	0.640523	0.738523	-7.12662	3.420312	3.557914	3.565652	4.359318	4.301803	4.351728	3.555458	3.82184	3.498982	5.855556	5.804708	5.892483	6.317514	6.272043	6.261939	5.839946	5.861261	5.849434
MT1X	ENSG0000	-0.10308	4.425362	-1.12561	0.275551	0.392939	-6.5975	4.309146	4.197635	4.406272	2.887595	2.71237	2.605775	4.591583	4.497055	4.647437	5.761354	5.719758	5.574748	4.241981	4.398927	4.385705	5.351042	5.489561	5.448204
GCNT1	ENSG0000	-0.47767	3.792657	-8.1988	2.14E-07	6.37E-06	7.107237	1.286899	1.465573	0.829201	1.256461	1.718467	1.250575	1.160105	0.726566	0.925731	7.229243	7.263579	7.206649	7.977049	7.977109	8.037062	6.75692	6.737476	6.787461
SESTD1	ENSG0000	-0.06162	5.74861	-0.43189	0.671101	0.763385	-7.15864	6.865747	6.76941	6.863145	6.460381	6.310908	6.462058	7.077167	7.093593	7.110303	5.015558	5.038233	5.01818	4.841432	4.856747	4.885155	4.500412	4.460128	4.477932
FNBP1	ENSG0000	-0.19976	6.080317	-2.63897	0.016955	0.044181	-4.31989	5.799565	5.85672	5.776322	5.827747	5.800478	5.958972	5.374422	5.380521	5.493457	6.682591	6.557555	6.594732	6.417077	6.392273	6.347596	6.514932	6.48545	6.596979
DYNC2H1	ENSG0000	0.026691	4.413621	0.188796	0.852427	0.900677	-7.05301	3.952119	3.936954	3.726899	4.681208	4.43213	4.969954	4.437325	4.474723	4.388669	4.755823	4.922503	4.428251	4.821167	4.760348	4.851597	4.319678	4.343431	4.510131
BCAM	ENSG0000	0.935351	5.605408	3.140058	0.005816	0.019008	-3.25751	3.114469	3.169391	3.309643	3.57705	3.912781	3.689474	5.115291	4.765849	4.934903	6.208578	6.289311	6.393892	8.918111	8.797033	8.833652	7.037467	7.088025	6.860046
RSBN1L	ENSG0000	0.484152	4.58724	4.544253	0.000269	0.001636	0.02254	3.819083	3.846899	3.947516	5.020445	4.764552	4.735009	4.673889	4.889176	4.73921	4.630531	4.588222	4.671058	4.994054	4.968095	4.94134	4.84468	4.710599	4.922721
EPOR	ENSG0000	0.255967	1.710266	1.6055	0.126299	0.214254	-5.11361	1.286899	1.465573	1.54317	2.548252	2.904251	2.374422	2.058296	1.901414	1.727075	2.100009	2.032826	2.021603	2.930712	2.581279	2.795875	2.115663	2.054898	1.910335
TAF9B	ENSG0000	-0.2654	5.202552	-4.2155	0.000551	0.00291	-0.76111	5.603648	5.661609	5.522611	5.839819	5.751385	5.832753	5.478019	5.599299	5.427983	4.945135	4.922503	5.022459	4.96664	5.10974	5.087406	4.537676	4.495561	4.597643
PCDHB13	ENSG0000	0.425573	2.886449	3.938254	0.001012	0.00473	-1.0888	1.336422	1.551021	1.453818	2.633943	2.904251	2.374422	2.01302	1.710758	1.674905	3.991785	4.029873	4.059098	4.621778	4.689902	4.752597	4.434767	4.446612	4.329449
MAGI2	ENSG0000	0.42451	0.416828	1.902522	0.073711	0.140903	-4.43394	1.010037	1.226787	1.406977	1.256461	1.612488	1.367251	0.886508	1.082132	1.244857	0.88529	0.799097	0.884879	1.711947	1.738515	1.722572	1.286141	1.2488	1.461048
CHP1	ENSG0000	0.036445	6.505843	0.647411	0.525779	0.639292	-7.19751	6.845578	6.671448	6.726758	6.944119	6.85198	7.02513	6.853024	6.846424	6.766778	6.02018	6.140623	6.056895	6.490296	6.467899	6.477276	6.104924	5.9786	6.140906
COL4A1	ENSG0000	0.080141	0.832763	0.199933	0.843841	0.894457	-5.96292	5.485141	5.441528	5.429007	5.371747	5.387689	5.428451	5.547145	5.492201	5.451432	0.415169	0.106501	0.16959	0.106501	0.106501	0.106501	0.326864	0.2791	0.214669
PTMA	ENSG0000	0.261692	10.00151	5.129525	7.68E-05	0.000616	0.757757	9.916439	9.943758	9.921185	10.1182	10.15455	10.15086	10.22757	10.3086	10.26511	9.88774	9.840663	9.913112	9.681867	9.776287	9.743963	10.0097	10.07306	10.12099
HSPA14	ENSG0000	-0.17643	5.375602	-3.71483	0.001654	0.006951	-1.93091	6.042734	6.05805	5.910407	5.408686	5.3593	5.428451	5.872748	5.862728	5.785592	5.335326	5.452044	5.413061	4.592186	4.660731	4.599282	5.255863	5.1548	5.243178
SIRT7	ENSG0000	-0.22188	5.468915	-3.19695	0.00514	0.017255	-3.09676	5.160214	5.204977	5.16263	4.790984	4.971631	4.859751	4.681143	4.657666	4.66091	6.170502	5.992705	6.112139	6.270646	6.127612	6.201469	6.008681	6.059258	6.002519
IFT140	ENSG0000	0.235577	3.964014	2.099319	0.050598	0.104654	-4.84525	3.928091	3.7235	3.931056	4.54774	4.416469	4.549901	4.330652	3.978187	3.82044	3.471629	3.576789	3.495574	4.805779	4.529722	4.688381	3.842237	3.713375	3.744016
AGMO	ENSG0000	-0.42065	-1.02339	-1.26371	0.222931	0.332863	-5.30469	0.106501	0.410755	0.219246	0.395333	0.389229	0.461789	0.106501	0.106501	0.106501	1.616888	1.851833	1.333627	1.621093	1.393161	1.610309	1.482378	1.406038	1.546329
TLR5	ENSG0000	0.118043	-0.2787	0.460228	0.651027	0.747487	-6.02637	0.41387	0.410755	0.323815	0.742604	0.389229	0.461789	0.415731	0.106501	0.515351	1.490718	1.403073	1.387696	2.439743	2.596763	2.34809	1.482378	1.795362	1.546329
USP7	ENSG0000	0.218975	7.454639	6.247347	7.79E-06	0.000106	3.262513	7.776817	7.802577	7.778101	7.757836	7.738284	7.827524	8.079662	8.01819	8.05897	7.003839	7.082845	6.938282	6.926526	6.99609	7.03177	7.199699	7.137231	7.189068
NHLRC1	ENSG0000	0.248323	1.201566	1.468736	0.159673	0.256829	-5.34716	1.519087	0.875715	1.406977	1.182548	1.087782	1.367251	1.389995	1.082132	0.833554	1.98771	2.249583	2.120715	2.626498	2.714997	2.661487	2.334732	2.665466	2.374055
PLEKHN1	ENSG0000	0.0115	2.844319	0.071995	0.943423	0.963377	-6.94943	2.19231	2.308123	2.248556	1.791994	1.666451	1.714252	1.459147	1.001115	0.833554	4.299944	4.369954	4.500578	4.984974	5.037822	5.060955	4.581158	4.729324	4.541628

MAGEH1	ENSG0000	0.102267	1.875659	0.764552	0.454737	0.575258	-6.11833	2.109269	2.206444	1.921989	2.021307	2.398361	2.605775	2.26554	2.511284	2.202855	2.121457	2.155072	2.435052	2.096181	2.326537	2.294605	2.229352	2.212266	2.14716
TET3	ENSG0000	-0.44772	5.881777	-5.15447	7.29E-05	0.000591	1.089463	6.004946	5.977387	6.104547	4.660937	4.905853	5.127141	5.469665	5.481041	5.519576	6.642355	6.701606	6.581744	6.052224	6.144832	6.178277	6.367507	6.155164	6.287442
ZNF286A	ENSG0000	1.155715	3.529291	13.75925	8.21E-11	1.72E-08	14.89355	2.725848	2.470453	2.621113	3.921807	3.901574	4.071231	3.866715	3.946081	3.856018	3.113269	3.086546	3.125724	4.397206	4.425185	4.41524	3.917673	4.011424	4.129778
ISG15	ENSG0000	0.415082	5.177093	4.239193	0.000523	0.002792	-0.94358	2.438959	2.596389	2.446827	2.325974	2.366112	2.258349	2.186178	2.255906	2.309357	8.420695	8.507855	8.703968	7.377926	7.487412	7.428228	9.109996	9.040607	8.886726
EXD3	ENSG0000	-0.20023	4.01769	-1.59435	0.128781	0.217402	-5.75389	4.416666	4.372133	4.476008	3.77864	3.844198	3.523386	3.976929	4.060466	4.093134	3.997596	4.066685	4.317702	4.410831	4.154036	4.213876	4.036981	4.156841	4.051715
C17orf97	ENSG0000	-0.05329	2.464733	-0.29912	0.768378	0.837448	-6.35803	3.487617	3.732673	3.65856	4.009923	4.158524	3.838399	3.507292	3.302095	3.528681	1.457372	1.403073	1.60868	2.591031	2.344993	2.382676	1.512637	1.645686	1.942153
ZKSCAN4	ENSG0000	0.315779	2.892162	4.683316	0.000199	0.001295	0.617836	2.589523	2.71221	2.621113	2.740812	2.85862	2.904994	2.724622	2.848856	2.798137	3.216534	3.295928	3.109727	3.46257	3.591587	3.454098	3.516101	3.562824	3.540816
DHRS4L2	ENSG0000	0.088318	3.855526	1.091503	0.28987	0.408168	-6.32986	4.036946	3.896716	4.003689	3.933121	4.177232	3.982555	3.80164	3.856799	3.746538	3.702624	3.890158	3.848714	4.068019	4.084346	3.968435	4.175819	3.974229	4.051715
SAMD11	ENSG0000	-0.6837	2.299054	-2.65048	0.016551	0.0433	-3.33078	1.959273	1.915637	2.194417	3.955484	4.081169	3.888069	2.01302	2.069791	2.127218	1.940223	2.303453	2.228347	4.441025	4.438137	4.527685	1.320757	1.581179	0.999041
VMAC	ENSG0000	-0.5385	0.478036	-2.32636	0.032255	0.073364	-3.76968	1.235614	1.374745	1.028027	1.393812	0.828511	1.367251	0.548589	0.622068	1.01237	1.52331	1.403073	1.413989	2.044674	1.970168	2.276326	1.177011	1.513652	1.170016
TMSB4XP8	ENSG0000	0.454895	1.349542	2.773378	0.012775	0.035427	-3.01276	1.384302	1.465573	1.706811	2.605941	2.549605	2.402038	2.102195	1.809233	2.047395	1.704765	1.498542	1.333627	1.897591	1.897007	2.10048	1.627702	1.513652	1.844513
B3GLCT	ENSG0000	0.089964	3.311946	0.524669	0.606404	0.708707	-6.58532	4.088441	4.080378	4.011539	4.272916	4.1957	4.088331	4.011872	4.230044	4.073118	2.990428	3.013005	3.125724	2.529911	2.451029	1.947161	3.227721	3.058015	3.189613
SPRY4	ENSG0000	-0.72309	5.549657	-8.65231	9.94E-08	3.62E-06	7.888086	7.227465	7.118103	7.140513	4.759555	4.966263	5.055043	6.195078	6.175851	6.195117	5.868298	5.886405	5.751395	4.097807	4.039723	3.916269	5.404468	5.363378	5.450971
TRPV2	ENSG0000	0.109807	1.514589	0.194101	0.848335	0.897912	-6.04304	5.011887	5.018804	5.141325	5.209091	5.514478	5.199746	5.365443	5.206241	5.036597	0.7264	0.799097	0.846782	0.171976	0.106501	0.106501	0.457048	0.504542	0.734116
AMTN	ENSG0000	-0.09936	-1.45618	-0.43126	0.671548	0.76354	-6.05311	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.646779	1.498542	1.46518	2.694919	2.700737	2.918805	1.214313	1.406038	1.461048
TMEM203	ENSG0000	-0.19634	5.502785	-3.03141	0.007357	0.022714	-3.42001	5.468578	5.471972	5.460888	5.629907	5.554381	5.464914	5.213624	5.053893	5.036597	5.719774	5.718106	5.793312	5.662871	5.65765	5.738596	5.745959	5.599495	5.65194
THSD4	ENSG0000	0.509357	5.988271	3.296978	0.004134	0.014484	-2.83964	7.311129	7.310335	7.30443	6.677732	6.589306	6.675109	7.774342	7.697438	7.74468	4.485065	4.439772	4.402219	4.890883	5.009177	4.851597	5.069967	5.021374	5.130317
TCEA1	ENSG0000	-0.01547	7.378168	-0.31815	0.754138	0.827773	-7.487	7.127264	7.195609	7.166231	7.074996	7.006421	7.033983	7.186989	7.206314	7.215625	7.820209	7.799033	7.829744	7.317723	7.380204	7.349548	7.730539	7.749112	7.781513
FANCA	ENSG0000	-0.30029	5.293069	-1.14147	0.269073	0.385747	-6.60741	6.018285	5.979315	6.111867	5.650615	5.74826	5.722075	5.83747	5.836697	5.788664	5.808398	5.867156	5.689511	3.353912	3.272884	3.308792	5.342644	5.326959	5.518482
SECISBP2	ENSG0000	0.103847	6.423423	2.084326	0.052095	0.1071	-5.39877	6.229625	6.182094	6.044605	6.261586	6.19406	6.295356	6.434968	6.377892	6.417788	6.676264	6.677158	6.623183	6.470914	6.543758	6.58516	6.663925	6.616959	6.640054
SEMA4D	ENSG0000	0.042453	3.227177	0.309644	0.760493	0.832366	-6.82209	3.041689	2.836538	2.966237	3.020814	3.093416	3.103073	2.144798	2.511284	2.560038	3.991785	4.071868	3.829308	3.799417	3.799921	3.734067	4.293774	4.189664	4.115895
DNAH17	ENSG0000	0.056766	2.543993	0.388349	0.702448	0.787852	-6.61774	2.609804	2.513665	2.469799	2.425456	2.605925	2.374422	2.186178	2.420731	2.440135	3.403229	3.509623	3.195594	2.614772	2.533802	2.416453	3.485915	3.579432	3.466183
MCRS1	ENSG0000	-0.0147	6.439729	-0.25093	0.804797	0.865242	-7.39185	6.652572	6.522063	6.560152	6.508442	6.546779	6.611477	6.691778	6.687205	6.779187	6.308968	6.279264	6.415201	6.362907	6.332254	6.411801	6.12465	6.190729	6.240231
FANCM	ENSG0000	0.237256	2.975932	1.349439	0.194418	0.298368	-5.91687	2.392887	2.470453	2.248556	2.864145	2.686486	2.784269	3.178682	3.178579	3.271973	3.914031	3.907656	3.973292	3.048706	2.729118	2.870883	3.793775	3.93605	3.788453
ZNF70	ENSG0000	0.32982	1.944193	2.040937	0.056656	0.114429	-4.52063	1.791852	1.849715	1.667608	2.577385	2.57804	2.763128	1.966276	1.809233	1.962896	2.37464	2.453955	2.136592	2.591031	2.581279	2.416453	2.539649	2.649824	2.687355
PEAR1	ENSG0000	-1.59804	-0.30844	-2.99163	0.008015	0.024341	-2.43919	5.849458	5.822762	6.027288	2.359902	2.03796	2.317553	4.393833	4.194045	4.122646	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.2791	0.106501
ZFP69B	ENSG0000	0.093135	2.509028	0.650306	0.523951	0.637397	-6.33144	3.476616	3.323044	3.359697	2.688367	2.71237	2.719893	3.370387	3.3682	3.254305	2.204194	2.469748	2.136592	2.452975	2.363215	2.365487	2.464239	2.354144	2.649309
SOWAHD	ENSG0000	0.702211	-1.28649	3.416682	0.003182	0.011738	-1.72123	0.106501	0.215206	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.52331	1.616737	1.67541	1.689764	1.710321	1.639204	2.432936	2.146913	2.14716
ZFP69	ENSG0000	0.484655	2.115694	4.014855	0.000855	0.004125	-0.67061	1.642349	1.670392	2.079636	2.359902	2.078331	2.132113	2.513265	2.389238	2.501332	2.527059	2.546219	2.649405	2.749557	2.863205	2.675503	2.639009	2.908298	2.944608
H1-2	ENSG0000	-0.24502	6.532848	-1.20422	0.244561	0.357553	-6.67928	6.966502	6.814386	6.885741	6.730558	6.732159	6.598108	6.536452	6.609051	6.666815	6.044242	5.95112	6.084781	7.27785	7.237472	7.234136	5.833967	5.861261	5.832557
EIF4EBP1	ENSG0000	-0.21896	6.500888	-4.32333	0.000435	0.002412	-0.78815	6.605374	6.627865	6.677038	5.59472	5.707014	5.535187	6.273964	6.293224	6.242934	7.290881	7.148095	7.295069	6.203734	6.279259	6.157205	7.185682	7.148406	7.068114
CCDC157	ENSG0000	-0.30037	1.986613	-2.49749	0.022749	0.055722	-3.73107	1.959273	1.591918	1.744977	2.425456	2.193078	2.317553	1.70672	1.945386	1.826075	2.894025	2.604605	2.682227	3.149671	3.054776	3.075009	2.448672	2.146913	2.374055
FAM122A	ENSG0000	0.363046	4.695121	3.643149	0.001936	0.007896	-1.91099	5.042051	4.885335	4.933939	5.218368	5.305047	5.394483	5.431459	5.659938	5.696813	4.232554	4.214605	4.257266	4.245787	4.210485	4.20424	4.293774	4.247965	4.136669
AC091057.	ENSG0000	0.14109	2.558466	0.751619	0.462282	0.582628	-6.35555	3.100204	3.222448	3.044832	2.81607	2.549605	2.924168	3.238915	3.26787	3.340558	3.216534	3.023743	2.992487	1.689764	1.560439	1.390007	3.053433	3.127424	3.279535
PMS2CL	ENSG0000	0.191418	3.050931	2.239927	0.038357	0.084114	-4.43479	3.100204	2.950996	3.162305	3.020814	3.132285	3.459109	3.258446	3.384264	3.181386	3.246125	3.034402	3.164958	3.251622	3.348006	3.378997	3.181381	3.287607	3.444131
CYHR1	ENSG0000	0.005822	5.64578	0.126986	0.900401	0.933975	-7.30272	5.197545	5.137514	5.248163	5.836811	5.856685	5.783733	5.203583	5.132077	5.229787	5.569872	5.787484	5.759107	6.497497	6.412102	6.361751	5.753898	5.707321	5.701584
DNER	ENSG0000	-0.32261	5.550826	-1.17251	0.256726	0.371562	-5.9997	9.544374	9.524962	9.550231	9.781682	9.726084	9.71845	9.262655	9.196699	9.270085	2.693825	2.531245	2.7037	1.308151	1.282615	1.355599	2.300453	2.274787	2.14716
KLHL17	ENSG0000	-0.04914	3.440446	-0.46844	0.645256	0.742777	-6.75365	3.19722	2.982098	3.133821	3.392671	3.734793	3.445903	3.238915	2.938616	3.289427	3.914031	3.958911	3.999574	3.965575	3.890658	3.754018	4.010719	3.910024	3.611778
RINL	ENSG0000	-0.86813	3.163411	-6.4477	5.26E-06	7.75E-05	4.243747	4.610293	4.765319	4.579961	3.921807	3.901574	3.786958	3.676552	3.633086	3.357206	2.817246	2.912585	2.766268	2.614772	2.686334	2.675503	2.479639	2.518186	2.48622
TPRG1	ENSG0000	-0.19229	1.020497	-1.25751	0.225114	0.335141	-5.50257	1.755904	1.591918	1.146821	1.688986	1.307481	1.367251	1.240874	1.231675	1.01237	1.964162	1.851833	1.915176	1.897591	1.897007	1.801384	1.833493	2.006592	1.877799
AC026412.	ENSG0000	0.259248	2.469653	2.023964	0.058536	0.117543	-4.51129	4.036946	3.912946	3.863273	4.132759	4.061165	4.071231	4.19533	4.119235	4.243986	1.646779	1.616737	1.277453	1.524131	1.462417	1.775589	1.419885	1.930959	1.626848
MORN2	ENSG0000	0.31987	3.897805	3.469804	0.002832	0.010755	-2.12621	3.756787	3.846899	3.419917	4.199863	4.327153	4.372816	4.068294	4.019913	4.073118	3.666603	3.576789	3.567612	4.43437	4.442428	4.617548	3.724364	3.870083	3.969186
MEIS3P2	ENSG0000	0.255122	0.594729	1.43053	0.1702	0.269681	-5.17366	1.384302	1.118985	1.028027	1.256461	1.437317	1.526279	0.983587	1.301009	1.244857	1.199504	1.403073	1.387696	1.548989	1.560439	1.247156	1.354562	1.737342	1.703111
S100A3	ENSG0000	-2.45481	0.858804	-4.66928	0.000205	0.001327	0.831379	4.615318	4.644161	4.772407	1.578054	1.953662	1.250575	1.389995	2.357042	1.50602	1.315703	1.07167	0.76743	0.610222	0.612281	0.335616	0.974502	0.975239	0.872651
UBQLN2	ENSG0000	0.276546	6.337178	4.38338	0.000382	0.002171	-0.57754	6.435391	6.422128	6.486032	6.966314	6.982688	6.94526	6.931165	6.739655	6.868995	5.93946	5.862677	5.814439	6.043504	5.90936	6.033424	5.984595	6.060737	5.989254
RILPL1	ENSG0000	0.392772	3.072274	3.000162	0.007869	0.023986	-2.90746	3.056542	3.298545	3.162305	3.827958	3.878897	3.954853	3.507292	3.043491	3.406029	2.650221	2.741	2.796562	3.288992	3.04352	3.042931	3.307556	3.2466	3.162857
ARL4C	ENSG0000	-0.51707	5.681373	-2.20941	0.040755	0.088339	-5.14042	5.575566	5.678322	5.615668	4.062381	3.945887	3.828257	3.238915	3.196885	3.143496	7.458256	7.500631	7.575798	6.59546	6.612021	6.589794	7.585945	7.523638	7.533226
RAB42	ENSG0000	0.7937	-0.58724	2.698805	0.014954	0.039968	-3.17948	0.216396	0.106501	0.106501	0.258133	0.389229	0.106501	0.415731	0.387194	0.106501	1.616888	1.55885	1.800268	3.27416	3.131201	3.177059	1.903678	2.33471	2.226823
WNT7B	ENSG0000	0.248072	5.29884	1.904823	0.073394	0.140386	-5.5581	4.610293	4.729112	4.753809	4.803367	4.933626	4.777799	4.302704	4.09991	4.141991	5.518254	5.538823	5.659606	6.72654	6.594774	6.598096	6.142902	6.167575	6.070675
C11orf95	ENSG0000	0.166035	4.451889	1.645659	0.117697	0.202947	-5.73051	4.327631	4.354415	4.320409	4.910272	4.917027	4.72411	4.723921	4.883536	4.940438	4.337085	4.314187	4.348702	4.604095	4.600559	4.496442	4.374256	4.106163	4.073428
GPR89B	ENSG0000	0.075805	2.649368	0.65335	0.522034	0.63615	-6.40483	2.629805	2.886707	2.641489	3.103249	2.970101	2.865864	2.832807	3.178579	2.892531	2.906434	3.055486	2.957162	2.717023	2.743101	2.574402	2.77004	2.921385	3.035906
C6orf132	ENSG0000	-0.25593	1.977993	-2.1565	0.045243	0.095721	-4.97132	0.216396	0.215206	0.756332	0.52061	1.006428	0.746642	0.106501	0.253663	0.106501	5.940969	5.903948	6.020994	6.59023	6.510421	6.62272	5.747551	5.744615	5.754064
MAPK12	ENSG0000	-0.47077	3.949246	-5.01329	9.83E-05	0.000748	1.21126	4.91334	4.706012	4.874926	4.517996	4.764552	4.543715	4.101117	4.203129	4.151567	3.673879	3.68898	3.696374	3.46257	3.470735	3.563664	3.447271	3.467897	3.641153
COL4A5	ENSG0000	0.221285	1.950727	0.960311	0.349997	0.471138	-5.55691	8.429376	8.401307	8.48923	9.692752	9.622817	9.735001	8.694873	8.611639	8.670787	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AGRN	ENSG0000	0.260762	8.793981	1.731771	0.100925	0.180158	-6.17906	8.174139	8.178602	8.386209	8.366978	8.618383	8.347673	7.878992	7.79304	7.923701	8.680267	8.929162	9.066043	9.724089	9.665236	9.68456	9.844165	9.696173	9.401465
NHS	ENSG0000	0.514102	5.864904	4.041505	0.000807	0.003936	-1.24364	5.823643	6.017344	6.130008	6.456466	6.321458	6.633486	6.823824	6.76748	6.751116	5.071726	5.160041	4.95243	5.776427	5.760913	5.875427	5.251384	5.203826	5.29338
TMPPE	ENSG0000	-0.2007	1.471112	-1.15496	0.263653	0.379621	-5.7105	1.755904	1.947501	1.744977	1.457877	1.556428	1.799787	1.648695	1.901414	1.918715	2.263275	1.899254	2.485514	2.385571	1.871771	2.257813	1.992244	1.737342	2.252429
ZNF626	ENSG0000	-0.18653	0.06064	-2.32512	0.032335	0.0735	-4.4391	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.468423	4.331577	4.275306	4.841432	4.739573	4.923833	3.98397	4.232297	4.229846
ZC3H6	ENSG0000	-0.13553	1.975445	-0.89873	0.381012	0.502898	-5.96492	2.833249	2.76681	2.848472	2.887595	2.71237	2.652511	2.340763	2.389238	2.560038	1.91588	1.644832	1.820066	2.145912	2.381211	2.200805	2.173627	1.82352	1.81044
LINC00265	ENSG0000	-0.52784	2.406318	-4.2696	0.000489	0.002648	-0.15983	2.629805	2.982098	2.558197	2.255624	2.460774	2.5075	2.186178	2.324112	2.047395	3.047564	2.865607	3.077191	3.18974	2.850343	3.21594	2.464239	2.634012	2.778299
LAMTOR4	ENSG0000	-0.00771	5.662334	-0.17341	0.864325	0.909067	-7.2935	5.677569	5.651972	5.56323	5.818626	5.946666	5.930809	5.722633	5.643348	5.500968	5.565966	5.508563	5.593562	5.90595	5.813217	5.953715	5.57368	5.556102	5.523749
PRKAR1B	ENSG0000	-0.38431	5.137217	-3.74718	0.00154	0.006591	-1.84863	5.434871	5.435922	5.41428	4.584077	4.782991	4.668345	4.622059	4.540708	4.626988	5.571821	5.4835	5.660978	5.414998	5.296751	5.301375	5.619586	5.467424	5.323893
NA	ENSG0000	-0.04713	2.745743	-0.22956	0.821102	0.877407	-6.54451	2.884092	2.935191	3.06005	3.898911	3.362223	3.765857	3.050103	3.196885	3.406029	2.868884	3.15652	2.382761	2.738794	2.50126	2.756856	2.135245	2.392244	2.863849
NCR3LG1	ENSG0000	0.270502	2.922203	2.114622	0.049111	0.102223	-4.54938	3.682132	3.786518	3.565652	3.562554	3.630051	3.75519	4.122591	4.273815	4.093134	2.558849	2.687979	2.592986	2.270712	2.084417	2.220059	2.509956	2.274787	2.742606
DCUN1D3	ENSG0000	-0.30066	3.427863	-3.28032	0.004287	0.014885	-2.47124	4.014302	3.888531	3.914407	3.503067	3.47236	3.349911	3.474265	3.232814	3.453254	3.60703	3.66174	3.81458	3.429485	3.162755	3.272365	3.595997	3.628139	3.641153
ZNF793	ENSG0000	0.244184	-0.33722	2.905894	0.009634	0.028234	-3.15299	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.666603	3.793073	3.36689	3.746669	3.614588	3.713835	3.7814	3.750515	3.87342
TUBB4B	ENSG0000	0.122087	9.019432	1.069894	0.29922	0.418069	-7.06413	9.008904	8.96371	8.990252	8.943045	9.043626	8.927189	9.041288	9.044548	9.057648	9.266526	9.151992	9.304421	8.513843	8.456006	8.4433	9.477517	9.392445	9.376392
AGAP4	ENSG0000	-0.24432	1.904105	-2.11565	0.049013	0.102054	-4.34838	2.668993	2.76681	2.579475	2.359902	2.398361	2.455733	2.667326	2.777669	2.309357	2.243849	2.193623	2.021603	1.858352	1.897007	2.036756	1.784732	1.981819	1.81044
PP7080	ENSG0000	0.105776	5.060167	0.831048	0.417155	0.538915	-6.89068	4.199669	4.366251	4.288462	4.949796	4.917027	4.923071	5.066264	4.814082	5.046897	5.658737	5.592102	5.677352	5.423425	5.404061	5.352435	5.486798	5.460717	5.290293
COMMD6	ENSG0000	-0.1741	5.093084	-2.17485	0.043637	0.093215	-5.00551	5.285277	5.355074	5.274496	5.329563	5.270617	5.063714	5.043928	5.018308	4.878354	5.043915	4.96212	4.938912	5.366878	5.421557	5.393294	4.978075	4.867593	4.965925
HYKK	ENSG0000	-0.04528	1.85991	-0.30935	0.760713	0.832401	-6.30495	2.589523	2.49222	2.423483	2.91067	2.85862	2.652511	2.376953	2.568641	2.127218	1.840286	1.875739	2.004401	1.711947	1.871771	2.014873	2.034568	1.82352	2.06284
C15orf62	ENSG0000	-0.16302	0.525932	-0.936	0.362029	0.483895	-5.8195	0.814199	0.875715	0.756332	0.841981	1.006428	0.746642	1.240874	1.15884	0.515351	2.121457	1.922393	2.120715	1.711947	1.738515	1.775589	1.809319	1.82352	1.81044
ZNF383	ENSG0000	0.179516	2.92683	1.669769	0.112776	0.196198	-5.34636	2.744313	3.042358	2.982302	2.887595	3.112982	3.26222	3.158032	3.3682	2.892531	3.002038	2.889287	3.133657	3.475595	3.193633	3.445943	3.022222	3.171908	3.241681
HES4	ENSG0000	0.050336	2.956698	0.41782	0.681167	0.771323	-6.7848	2.629805	2.470453	2.621113	2.21912	2.460774	1.757653	2.513265	2.420731	2.697131	3.681119	3.907656	4.205521	3.680716	3.799921	3.933868	4.194605	4.07722	3.725851
ZNF669	ENSG0000	-0.24835	3.161643	-2.64411	0.016774	0.043788	-3.69655	3.729242	3.58855	3.443319	3.237064	3.093416	3.216292	3.094248	3.40015	3.124172	3.420635	3.232543	3.393562	3.429485	3.38415	3.290693	3.26375	3.277464	3.149291
CENPP	ENSG0000	-0.34378	2.094073	-1.66656	0.113421	0.197008	-5.24272	2.609804	2.283367	2.166567	2.063099	2.193078	2.22781	1.917967	2.451551	2.087859	3.42926	3.232543	3.164958	1.597456	1.738515	1.851631	2.866919	2.947209	2.912845
PLSCR1	ENSG0000	-0.17125	5.088219	-2.43509	0.025861	0.061625	-4.6509	4.172655	4.223893	3.971859	3.80351	3.574682	3.733615	3.474265	3.535768	3.641718	6.794472	6.656607	6.725141	6.128422	6.16834	6.175814	6.62723	6.682805	6.661715
C3orf62	ENSG0000	0.325854	3.220396	3.318393	0.003945	0.013939	-2.35476	3.071243	2.576149	2.848472	3.255206	3.31232	2.998412	2.981245	3.335526	3.254305	3.376719	3.322263	3.445469	3.90909	4.089828	4.104162	3.678389	3.579432	3.669942
ZNF559	ENSG0000	0.380447	3.012174	4.61687	0.00023	0.001449	0.424105	2.744313	2.49222	2.492412	2.633943	2.605925	2.532704	2.957542	3.196885	3.143496	3.622156	3.406729	3.45816	3.617489	3.68147	3.700188	3.7814	3.713375	3.761956
SBK1	ENSG0000	0.314499	1.624103	3.067155	0.00681	0.021484	-2.81271	0.814199	0.940485	1.088647	0.934951	0.92021	0.830331	0.782422	0.726566	0.735084	3.284659	3.356645	3.38694	4.015478	4.215509	3.968435	3.66498	3.636099	3.87342
GTF2F2	ENSG0000	-0.31578	5.6572	-2.78871	0.012366	0.034509	-3.95207	6.1677	6.228223	6.210636	5.199754	5.212855	5.294884	5.531176	5.686091	5.515873	5.705643	5.681277	5.865347	5.655736	5.666849	5.650865	5.72834	5.647541	5.717759
CIBAR1	ENSG0000	-0.15924	4.82682	-2.76676	0.012955	0.035802	-3.82999	5.093368	5.137514	5.267957	4.96641	4.960875	5.046319	4.938902	4.928048	5.046897	4.963066	4.796672	4.883539	4.543538	4.557684	4.431851	4.780845	4.740443	4.740203
FOCAD	ENSG0000	-0.15193	5.265673	-0.83658	0.414119	0.535966	-6.87768	6.066775	6.070765	5.978065	5.112883	5.162106	5.033133	5.791286	5.517911	5.459165	4.883704	4.818421	4.781207	5.326113	5.218837	5.339289	4.917167	4.981317	5.041309
PRR19	ENSG0000	0.195755	0.977637	0.827227	0.41926	0.540898	-5.93025	1.010037	1.226787	1.088647	1.104644	1.996426	1.880533	1.160105	0.824004	1.38134	2.033684	1.752042	1.986992	1.973006	1.710321	1.695314	2.055273	2.146913	2.200755
ZP3	ENSG0000	0.522756	3.477417	6.888948	2.26E-06	4.11E-05	5.011348	3.682132	3.628412	3.792147	3.392671	3.772191	3.620621	4.13321	4.247712	4.112876	3.284659	3.076267	3.406715	3.281595	3.173121	3.106389	3.793775	3.705831	3.761956
JAKMIP3	ENSG0000	0.708711	-0.57052	2.163987	0.044582	0.094787	-3.8973	2.850396	2.71221	3.419917	3.273122	3.670226	3.292047	3.539581	3.605944	3.668646	0.106501	0.185134	0.106501	0.171976	0.106501	0.106501	0.183756	0.19538	0.106501
SELL	ENSG0000	-0.05952	2.317132	-0.49075	0.629711	0.729333	-6.73276	0.587539	0.736739	0.964748	1.519216	1.909591	1.880533	1.074544	1.231675	1.171446	4.242376	4.287703	4.395637	4.720818	4.80769	4.732626	4.147172	4.134537	4.190648
CHM	ENSG0000	-0.04474	5.668198	-0.81171	0.427876	0.549692	-6.94052	6.25721	6.120531	6.087938	6.320926	6.239272	6.311829	6.14086	6.214549	6.242934	5.205778	5.349076	5.225382	5.188526	5.133823	5.188613	5.015537	5.160331	5.184529
BLOC1S5	ENSG0000	-0.23587	3.268156	-2.72547	0.014137	0.038279	-3.58737	3.593253	3.450822	3.090013	3.21869	3.112982	3.119801	3.094248	3.160038	3.084728	3.666603	3.591299	3.748962	3.675081	3.688714	3.767168	3.462853	3.636099	3.352387
IER5L	ENSG0000	0.174148	5.663822	0.903852	0.378364	0.50056	-6.8691	5.468578	5.661609	5.799175	6.489409	6.798609	6.29167	5.847177	5.619796	5.716303	4.963066	5.380746	5.701568	5.311659	5.32724	5.374084	5.875309	5.739082	5.133766
H2AX	ENSG0000	0.412789	5.974612	2.39835	0.027875	0.065375	-4.79554	5.362012	5.51514	5.618241	5.59472	5.913577	5.451761	5.894757	5.724453	5.822029	6.339031	6.45517	6.770363	5.489122	5.591562	5.507395	7.193291	6.998236	6.756478
C19orf54	ENSG0000	-0.66372	3.906052	-8.58391	1.11E-07	3.91E-06	7.979191	4.776503	4.742796	4.89628	4.031135	4.267295	4.186878	4.143751	4.147745	4.141991	4.076585	3.824119	4.083875	3.569701	3.428092	3.571181	3.516101	3.215061	3.519884
C22orf34	ENSG0000	0.511788	-0.81967	3.319626	0.003934	0.013909	-2.05659	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	2.392392	2.303453	2.228347	2.529911	2.797719	2.497588	2.611312	2.741225	2.84714
FAM83G	ENSG0000	0.123465	5.521646	1.387606	0.182696	0.28443	-6.37499	5.575566	5.413282	5.579162	4.815644	4.933626	4.864722	5.620676	5.45466	5.412136	5.754507	5.650429	5.788295	5.816647	5.677811	5.761774	6.029758	5.958108	5.878503
SRSF10	ENSG0000	0.018303	7.000998	0.318977	0.753524	0.827419	-7.44846	7.202643	7.195609	7.249069	6.717532	6.72423	6.634942	7.395415	7.455671	7.403676	7.234789	7.125217	7.117463	6.532195	6.555692	6.657562	7.003244	6.942355	7.084245
DUSP28	ENSG0000	-0.10054	2.594725	-1.04104	0.312046	0.431796	-6.04206	2.707144	2.576149	2.661582	3.123142	2.85862	2.980206	2.696258	2.825515	2.869505	2.83033	2.841532	2.966075	3.066031	3.065945	2.858649	2.639009	2.585506	2.687355
CCDC9B	ENSG0000	0.031976	5.502721	0.131945	0.896535	0.931118	-7.30676	5.731782	5.711177	5.805961	4.815644	4.831037	4.798728	5.015513	4.944392	5.087374	5.323808	5.423946	5.28714	6.511002	6.349496	6.445932	5.777454	5.879817	5.934941
NBR1	ENSG0000	-0.34008	7.212554	-2.97191	0.008362	0.025223	-3.73805	7.703808	7.681088	7.645037	7.217131	7.193787	7.239294	6.981981	7.104543	7.034696	7.030301	6.972858	7.025066	7.417272	7.464384	7.45336	6.913956	6.942355	6.988451
RALGAPA2	ENSG0000	-0.23841	4.90939	-3.43907	0.00303	0.011319	-2.44461	4.702888	4.538284	4.515184	5.072529	5.084948	5.093661	4.411387	4.247712	4.132351	5.29814	5.323231	5.137382	5.527151	5.445273	5.587414	5.127316	5.072132	4.969789
NDOR1	ENSG0000	-0.28247	4.558716	-3.95619	0.000973	0.004579	-1.2841	4.595114	4.429669	4.574673	4.227693	4.485643	4.48682	4.496094	4.109604	4.270596	5.009819	5.169742	5.097381	4.589193	4.634714	4.617548	4.787047	4.829917	4.780362
CFAP54	ENSG0000	0.053488	0.50728	0.195441	0.847302	0.896991	-6.10946	1.18244	1.508929	0.679585	1.393812	1.087782	1.250575	1.240874	0.824004	1.01237	1.239286	1.403073	1.188864	1.733794	1.970168	1.947161	0.930351	1.90484	1.416439
NPIPP1	ENSG0000	-0.3142	-0.01232	-1.18522	0.251794	0.366173	-5.28307	1.861169	1.670392	1.744977	1.74141	1.768674	1.714252	1.160105	1.760835	1.674905	0.669294	0.799097	0.594297	0.5125	0.671977	0.404558	0.738851	0.759002	0.315289
FAM72B	ENSG0000	-0.08895	1.042363	-0.2931	0.772899	0.840914	-6.24659	2.218961	1.978677	2.018628	1.840866	1.373859	1.475193	1.917967	2.255906	2.408535	2.263275	1.989662	2.286428	0.407676	0.7293	0.470356	2.135245	1.613793	1.910335
ASAH2	ENSG0000	-0.08927	2.057465	-0.66844	0.512585	0.62759	-6.17435	3.19722	3.222448	3.309643	2.457149	2.549605	2.784269	3.178682	3.3682	3.406029	1.814181	2.011405	2.136592	1.689764	1.591687	1.610309	1.734264	1.613793	1.877799
SUMO2	ENSG0000	0.170846	7.396825	3.58686	0.002191	0.008679	-2.4646	6.987968	6.929549	6.879321	6.895788	6.853435	6.853225	7.081285	7.257356	7.23377	7.713034	7.774208	7.771834	7.815491	7.841109	7.85275	7.858275	7.825067	7.884897
NANOS1	ENSG0000	0.058367	1.796968	0.21843	0.829624	0.883624	-6.34864	2.27083	2.152784	2.300736	1.791994	2.193078	2.164723	1.966276	1.945386	2.127218	1.787595	1.644832	1.951531	3.108457	2.824271	3.177059	2.211015	2.124453	1.665483
RTL6	ENSG0000	0.222176	6.137429	4.627677	0.000225	0.001422	0.023869	6.877296	6.864275	6.948417	7.193806	7.200661	7.158617	7.213499	7.104543	7.052696	5.131086	4.978771	5.093319	5.406522	5.443133	5.461619	5.400428	5.246049	5.161062
DPYD	ENSG0000	0.156884	4.349765	1.539297	0.14164	0.233763	-5.92248	4.590018	4.511888	4.453135	3.999198	3.945887	4.027574	4.606901	4.59693	4.570996	4.386642	4.463628	4.201752	4.512278	4.585115	4.464508	4.446571	4.572242	4.661156
S100A16	ENSG0000	0.380487	6.958938	4.683245	0.000199	0.001295	-0.05526	6.282699	6.124021	6.10638	5.156973	5.309293	5.114677	6.424199	6.415505	6.470386	7.959211	7.960388	7.973964	7.688752	7.65995	7.675793	8.444442	8.419467	8.364854
PTAR1	ENSG0000	-0.14939	6.067298	-2.61266	0.017914	0.046039	-4.35488	6.412482	6.367232	6.280513	5.915919	5.949389	5.951983	6.304819	6.316432	6.251865	6.149776	6.224465	6.06002	5.917927	5.873258	5.843193	5.792948	5.93893	6.06165
SAXO2	ENSG0000	0.208644	-0.19215	0.432733	0.670501	0.763019	-6.01698	0.742531	1.002471	0.756332	0.841981	0.106501	0.461789	0.269385	0.622068	0.629397	1.028404	1.07167	0.993481	2.162115	2.307842	2.647333	1.286141	1.329561	1.546329
PARVB	ENSG0000	0.113459	1.66289	0.373052	0.713596	0.796839	-6.02211	4.925527	4.965333	4.933939	4.591236	4.662026	4.668345	4.96291	4.843429	4.945952	0.190076	0.330605	0.34382	0.610222	0.671977	0.651457	0.576451	0.871168	0.659518
TEKT4P2	ENSG0000	-0.10754	5.194101	-1.9351	0.069329	0.134147	-5.45696	4.905158	4.984658	4.950366	5.112883	5.292232	5.227023	4.857993	4.630987	4.72003	5.339908	5.340512	5.348069	5.925066	5.821478	5.875427	5.386197	5.299655	5.220652
UROS	ENSG0000	0.102298	5.289211	1.418762	0.173555	0.273808	-6.15123	6.177924	6.338981	6.190033	6.325226	6.338179	6.442243	6.269158	6.194191	6.224904	4.048869	4.223947	4.182763	4.720818	4.501207	4.613913	4.469892	4.414575	4.370952
ZDHHC9	ENSG0000	-0.13247	6.718612	-1.85048	0.081222	0.152216	-5.81665	7.015784	6.972771	7.014355	6.652287	6.571739	6.712811	6.600985	6.626038	6.671815	6.678075	6.639255	6.606893	6.806028	6.749986	6.725662	6.755339	6.69524	6.694778
ZBED6CL	ENSG0000	-0.29711	-0.53137	-3.21525	0.00494	0.016723	-2.42819	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.512789	3.356645	3.549937	3.36795	3.528394	3.412858	3.103995	3.267249	3.035906
SMIM15	ENSG0000	-0.03439	6.806646	-1.03664	0.314034	0.433704	-6.92337	6.999543	7.050021	6.98376	6.887089	6.787998	6.794527	6.895745	6.963315	6.920314	6.752131	6.701606	6.799327	6.629363	6.640317	6.663728	6.75771	6.746696	6.786366
FAM221A	ENSG0000	-0.32615	0.405708	-1.99098	0.062352	0.123534	-4.48452	1.010037	0.736739	0.421314	0.635873	0.828511	0.657796	0.415731	0.509405	0.39151	2.204194	2.249583	2.460504	2.178139	2.21055	2.121111	2.034568	2.190809	2.252429
TMEM120I	ENSG0000	0.650498	5.291188	4.12385	0.000673	0.003399	-0.91858	5.086148	5.063109	5.130553	6.565896	6.594535	6.554168	6.227647	6.109759	6.229433	4.256985	4.305413	4.15185	5.702186	5.605024	5.625819	4.32395	4.283876	4.242679
FSIP2	ENSG0000	0.42096	-0.85508	1.53284	0.143216	0.235764	-5.11117	0.106501	0.106501	0.219246	0.106501	0.25478	0.2349	0.106501	0.387194	0.39151	1.76051	2.174476	1.696985	1.755315	2.10622	2.200805	2.013561	1.795362	2.119598
RBM34	ENSG0000	0.089439	-0.00201	0.361392	0.722138	0.80336	-5.93398	1.18244	1.327092	0.756332	1.326771	1.087782	1.367251	1.240874	1.15884	1.01237	0.934589	0.640699	1.061592	1.018891	1.120667	0.862212	1.177011	0.637375	0.872651
NOXA1	ENSG0000	0.033949	1.621846	0.117391	0.907889	0.939101	-6.32135	2.27083	2.152784	2.621113	1.791994	1.909591	1.840725	1.867984	1.945386	2.274723	1.490718	1.672391	1.60868	2.566893	2.671787	2.821313	1.926335	1.956613	1.626848
TMEM198	ENSG0000	0.104716	1.881094	0.553504	0.58693	0.692242	-6.18205	1.861169	1.915637	2.138168	2.97776	3.426184	2.904994	2.058296	2.324112	1.727075	1.98771	1.644832	2.055402	2.602951	2.714997	2.433049	2.034568	2.233409	1.626848
FZD9	ENSG0000	0.311446	2.011198	1.720296	0.103034	0.18287	-4.99608	3.071243	2.950996	3.371944	3.041869	2.762786	2.581827	3.507292	3.063581	3.254305	1.646779	1.616737	2.088428	1.308151	1.16289	1.209118	2.317694	2.233409	2.033602
SPRED3	ENSG0000	0.586451	1.341918	3.072865	0.006727	0.021296	-2.45523	1.681202	1.978677	1.888281	2.21912	1.864131	1.880533	2.058296	1.710758	2.376228	1.278001	1.529011	1.585733	2.027088	1.428204	1.610309	1.992244	2.254246	1.910335
ZNF548	ENSG0000	-0.00322	3.712364	-0.04792	0.962326	0.975754	-7.02542	3.443098	3.07157	3.090013	3.020814	2.948483	2.998412	2.908934	3.141256	3.162566	4.537862	4.602618	4.466439	4.592186	4.70069	4.684921	4.574001	4.600995	4.531205
MTF1	ENSG0000	-0.14005	5.797225	-2.67048	0.015871	0.04194	-4.22406	5.650902	5.759098	5.705507	5.277258	5.355198	5.425089	5.396627	5.447033	5.424038	6.267483	6.255545	6.113142	6.140739	5.992195	6.133284	6.197476	6.12012	6.18146
TMEM201	ENSG0000	0.004619	5.245858	0.059745	0.953037	0.969648	-7.29203	5.334855	5.211553	5.287484	4.821743	4.992907	4.829562	5.465469	5.241941	5.367637	5.716254	5.671068	5.814439	4.883573	4.722029	4.745971	5.70396	5.684473	5.65194
NHLRC3	ENSG0000	0.157002	4.289064	1.601779	0.127123	0.215369	-5.77084	4.10996	3.991467	4.117166	4.591236	4.515354	4.72411	4.702691	4.45204	4.626988	4.271447	4.378346	4.257266	4.35554	4.455227	4.500385	4.226905	4.111883	4.170642

ZDHHC11	ENSG0000	-0.27341	1.621786	-0.7001	0.493082	0.610392	-5.92999	4.006674	4.043996	3.971859	3.661095	3.441741	3.548316	3.523527	3.506713	3.60036	0.88529	0.259702	0.807652	1.420179	1.393161	1.247156	1.058946	0.637375	0.872651
LINC00910	ENSG0000	-0.2598	1.288247	-1.0353	0.314641	0.434196	-5.70837	2.369288	2.258179	2.221741	1.634586	1.864131	1.840725	1.867984	1.945386	1.727075	1.116489	1.725977	1.49011	2.079215	2.148862	2.014873	1.45147	1.547811	1.370407
SLX4	ENSG0000	0.132513	3.973416	1.762659	0.095435	0.172322	-5.49728	3.999005	4.136747	3.889066	3.727576	3.867423	4.045196	4.428731	4.221128	4.216877	4.261822	4.242453	4.075663	3.90909	3.759216	3.824901	4.258497	4.242761	4.087723
RPL14	ENSG0000	-0.14936	8.933712	-3.76464	0.001482	0.006393	-2.15894	9.450855	9.434225	9.448014	9.097145	9.092799	9.030053	9.302303	9.272287	9.321098	8.750131	8.652169	8.711937	8.51916	8.552714	8.566644	8.520634	8.554223	8.587098
RPSAP47	ENSG0000	-0.07923	-0.89347	-0.18902	0.852255	0.900561	-5.83916	2.483604	2.403106	2.274882	2.359902	2.299368	2.258349	2.607661	2.184314	2.501332	0.269074	0.185134	0.106501	0.294634	0.26996	0.106501	0.106501	0.19538	0.106501
ZNF563	ENSG0000	0.453552	-1.72997	3.685202	0.001765	0.007323	-1.13735	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.555182	1.335727	1.277453	1.336984	1.428204	1.423614	1.681967	1.645686	1.626848
FBF1	ENSG0000	-0.40541	1.226611	-2.73144	0.01396	0.037874	-3.11287	2.021155	1.591918	1.78216	2.063099	1.953662	1.956998	1.240874	1.549165	1.564539	1.865926	1.875739	1.986992	1.858352	1.710321	1.639204	1.65509	1.645686	1.739782
KLRG2	ENSG0000	0.102033	-1.14576	0.327134	0.747452	0.822653	-6.06853	0.216396	0.106501	0.219246	0.258133	0.25478	0.2349	0.106501	0.106501	0.256032	1.616888	1.616737	1.839597	1.27873	0.986036	1.355599	2.229352	1.478665	1.703111
MSL1	ENSG0000	0.034466	6.625872	0.398327	0.695213	0.781895	-7.37167	6.625435	6.608064	6.595831	6.800173	6.86502	6.812646	6.510216	6.487911	6.453066	6.600965	6.675457	6.675742	6.474163	6.474201	6.435675	6.832335	6.806995	6.803789
AC099489.	ENSG0000	-0.52223	0.298469	-2.3124	0.033175	0.075154	-3.87639	0.503316	0.8079	1.028027	0.52061	0.512209	0.657796	1.160105	0.824004	0.515351	2.01088	2.135404	2.07201	1.973006	1.681564	2.161508	1.599785	1.737342	1.273688
LRRK2	ENSG0000	-0.53862	-0.57648	-1.10535	0.283992	0.40159	-5.26027	2.345296	2.232543	1.987129	2.714828	2.520598	2.132113	1.317361	1.430416	1.171446	0.190076	0.185134	0.230035	0.407676	0.190544	0.186984	0.517985	0.2791	0.497646
GJB3	ENSG0000	0.347076	1.192179	1.902671	0.07369	0.140882	-5.17582	1.010037	1.118985	0.829201	0.258133	0.25478	0.3528	0.106501	0.622068	0.256032	4.212707	4.10258	4.278887	3.520276	3.348006	3.445943	4.758922	4.706825	4.627304
TRMT2B	ENSG0000	0.52837	6.301688	4.056408	0.000781	0.00383	-1.20279	7.404788	7.437793	7.403949	7.754651	7.666446	7.696355	8.336695	8.204442	8.27862	4.977839	4.796672	4.92983	4.82626	4.804359	4.987015	4.743057	4.815969	4.902646
HACD4	ENSG0000	0.166801	0.681855	1.497607	0.152078	0.247265	-5.80655	0.106501	0.106501	0.106501	0.395333	0.25478	0.2349	0.106501	0.253663	0.256032	4.455814	4.529155	4.491347	5.092452	5.087991	5.044848	4.609434	4.482376	4.637057
FAM120AC	ENSG0000	0.254774	5.976443	6.777038	2.79E-06	4.82E-05	4.449206	5.754732	5.81846	5.796906	6.238973	6.267918	6.282413	5.964794	6.045554	6.079477	5.766469	5.724702	5.81197	6.095052	6.164448	6.114114	6.02189	6.018732	6.036078
NOC2L	ENSG0000	-0.16628	7.976447	-4.48537	0.000306	0.001822	-0.54369	7.593561	7.530123	7.569951	7.117763	7.24567	7.140287	7.400917	7.274695	7.283613	8.757214	8.685941	8.758851	8.529931	8.448291	8.47119	8.651116	8.645531	8.588355
NELFB	ENSG0000	0.009093	6.404817	0.156291	0.877595	0.918323	-7.42997	6.057576	6.03228	6.063606	6.01507	6.261358	6.125602	6.042896	5.71813	5.970082	6.730485	6.728932	6.780503	6.886859	6.83078	6.805904	6.951718	6.840969	6.770946
SLC15A5	ENSG0000	0.035738	-0.40546	0.103846	0.918474	0.946381	-5.86512	2.109269	2.232543	2.221741	3.688057	3.574682	3.678224	2.545421	1.945386	2.530983	0.190076	0.330605	0.16959	0.171976	0.345231	0.263213	0.183756	0.19538	0.106501
ZNF292	ENSG0000	0.239282	4.256177	3.344966	0.003722	0.013297	-2.54137	3.919992	3.7953	3.897563	4.209199	4.213935	4.154771	4.023335	4.357565	4.313883	4.489195	4.672521	4.392334	4.47385	4.596713	4.508238	4.619897	4.641102	4.726565
KCTD21	ENSG0000	0.204126	4.035029	2.532141	0.021178	0.052605	-4.17625	3.373632	3.114308	3.270929	4.122913	3.722109	3.838399	3.788265	3.521314	3.733845	4.493314	4.599033	4.45065	4.818614	4.830791	4.888167	4.755763	4.525868	4.504815
ADAT2	ENSG0000	-0.43067	3.046804	-4.74524	0.000174	0.001173	0.734034	3.041689	3.260998	3.322321	2.933382	2.948483	3.119801	2.908934	2.753138	2.697131	3.695491	3.722323	3.526028	3.251622	3.503965	3.437743	3.083983	3.494411	3.267027
ZNF567	ENSG0000	0.494913	3.315288	6.509328	4.67E-06	7.09E-05	4.262417	2.780548	2.802095	2.776595	2.97776	2.991399	2.825643	3.352323	3.26787	3.236418	3.709722	3.817963	3.526028	4.028794	3.903166	4.056758	4.010719	4.071361	4.274271
NDUFA4	ENSG0000	-0.0038	6.877868	-0.07615	0.940166	0.961601	-7.44508	7.44132	7.457291	7.386701	7.614118	7.493439	7.529541	7.553978	7.595047	7.573583	6.36848	6.337447	6.328875	6.272513	6.26358	6.315508	6.174002	6.145437	6.201318
ALKBH2	ENSG0000	-0.04188	4.530225	-0.52728	0.604629	0.707097	-6.98274	4.333741	4.354415	4.288462	4.667726	4.493129	4.473866	4.057185	4.341199	4.22597	4.789709	4.922503	4.945687	4.701546	4.693507	4.782046	4.994249	4.815969	4.819433
RNFT1	ENSG0000	0.064223	3.770006	0.640536	0.530133	0.643153	-6.75033	2.933205	3.142112	3.176339	3.887325	3.394558	3.776446	3.490873	3.773871	3.468658	4.318634	4.287703	4.257266	4.515435	4.54975	4.476566	4.208537	4.162364	4.058989
RNF222	ENSG0000	-0.07918	-1.07281	-0.29554	0.77106	0.839362	-6.22236	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.814181	1.672391	1.969371	3.581798	3.282491	3.421201	1.85727	1.513652	1.877799
CGB5	ENSG0000	-0.64717	-1.38201	-3.2391	0.00469	0.016018	-2.08864	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.121457	1.989662	2.510098	2.357702	1.970168	2.07955	1.759719	1.368306	1.504318
FAM111B	ENSG0000	-0.12885	4.37782	-0.58543	0.56574	0.675314	-7.03627	4.590018	4.383825	4.662041	3.674639	3.656958	3.765857	4.13321	4.349405	4.339245	5.871466	5.696457	5.805777	2.717023	2.888589	2.743612	5.643712	5.737233	5.811178
APOD	ENSG0000	0.054836	1.170943	0.508211	0.61766	0.718384	-6.52128	0.587539	0.661886	0.679585	0.742604	0.730585	0.657796	0.415731	0.509405	0.256032	3.367773	3.431133	3.232997	4.015478	4.039723	4.046009	3.341669	3.562824	3.55117
H1-0	ENSG0000	0.088021	6.453662	2.300056	0.034009	0.076554	-5.05702	5.100552	5.026283	4.946277	4.626508	4.537243	4.814227	5.141824	5.112925	5.146036	8.154238	8.107076	8.22013	7.615258	7.710644	7.690535	8.262207	8.209452	8.243614
GAGE2A	ENSG0000	-0.07597	-1.31289	-0.57269	0.57415	0.682207	-6.10441	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	2.095243	2.435052	1.99126	1.993753	1.947161	2.034568	1.981819	2.033602
LITAF	ENSG0000	-0.06187	8.413622	-1.3775	0.185744	0.287936	-6.62745	8.939238	9.009006	8.948697	9.215664	9.156056	9.17466	9.074036	9.009701	9.039066	7.821438	7.769032	7.87007	7.855274	7.908967	7.910187	7.645618	7.599388	7.58642
TMEM120A	ENSG0000	0.258717	4.177996	1.60103	0.127289	0.215599	-5.67378	4.405107	4.406929	4.363979	4.949796	4.770725	4.702062	4.845133	4.722281	4.795267	3.385609	3.339557	3.652879	4.670733	4.592857	4.476566	3.711377	3.485627	3.498643
ARID2	ENSG0000	-0.11009	5.469648	-1.81587	0.086585	0.159579	-5.66772	6.027737	5.896035	6.031155	5.884211	5.893919	6.049065	6.017329	5.954347	5.967373	5.1779	5.310132	5.119519	4.945733	4.840579	5.023089	4.986185	4.897703	5.06679
SF3B3	ENSG0000	-0.52118	8.112204	-8.05268	2.75E-07	7.68E-06	6.641091	8.294923	8.274363	8.238113	7.829209	7.780953	7.821145	7.503718	7.539647	7.564651	8.712865	8.623997	8.64414	8.155075	8.060091	8.12204	8.302546	8.325064	8.326944
BLOC1S3	ENSG0000	-0.06648	3.674384	-0.37252	0.713985	0.797153	-6.75795	3.672523	3.686213	3.792147	4.555081	4.641964	4.651187	3.705302	3.798055	3.708117	3.851231	3.640966	3.613714	3.494914	3.410675	3.429496	3.617041	3.554448	3.410407
CLDN4	ENSG0000	-0.30851	4.250386	-2.01795	0.059216	0.118552	-5.56165	2.218961	2.009193	2.446827	0.258133	0.25478	0.461789	0.269385	0.387194	0.256032	9.533021	9.458394	9.531068	9.291308	9.221795	9.202224	9.337148	9.309012	9.23985
ZNF573	ENSG0000	0.78858	1.501165	4.788925	0.000159	0.001091	1.035042	1.642349	1.277811	1.028027	1.791994	1.864131	1.714252	2.01302	2.108984	1.873138	1.865926	2.155072	1.585733	2.479079	2.756951	2.399663	2.384669	2.212266	2.419973
FAM47E	ENSG0000	-0.40563	-0.67324	-1.02147	0.320965	0.440625	-5.53389	0.41387	0.410755	0.106501	0.742604	0.625525	0.746642	0.106501	0.509405	0.106501	1.490718	1.699433	1.305813	1.548989	1.846087	1.826726	1.387593	1.206659	1.222783
JPT1	ENSG0000	-0.1874	8.018067	-2.74083	0.013686	0.037356	-4.29624	7.944396	7.871675	7.862438	7.587516	7.63465	7.596807	7.482075	7.504254	7.4432	8.551875	8.473998	8.535881	8.116618	8.112875	8.158674	8.503785	8.512941	8.538815
ZNF527	ENSG0000	0.74145	2.087999	5.176691	6.95E-05	0.000569	1.784162	1.384302	2.152784	1.818408	2.103714	2.549605	2.288255	2.724622	2.596487	2.643847	2.263275	2.303453	2.243088	2.802201	2.811056	2.782986	2.77004	2.649824	2.610232
S100A13	ENSG0000	0.226186	4.141788	3.50312	0.002633	0.010124	-2.19531	3.836399	3.82133	3.906009	3.863871	3.772191	3.75519	4.358069	4.175703	4.112876	4.408616	4.443776	4.506699	4.47385	4.403337	4.464508	4.616418	4.718118	4.428245
ZNF33A	ENSG0000	0.192143	4.386698	2.656507	0.016344	0.042881	-3.90176	4.574623	4.564207	4.621585	4.99368	4.888929	5.106307	4.629578	4.790167	4.66091	3.744695	3.860515	3.92383	4.407437	4.54975	4.621173	4.062774	4.035699	4.229846
PCDH18	ENSG0000	0.410264	-0.05436	1.44673	0.165669	0.264	-5.16469	0.216396	0.215206	0.106501	1.022291	0.730585	0.746642	0.548589	0.387194	0.515351	1.891119	1.899254	1.562415	2.727949	2.938056	2.846311	1.926335	1.478665	1.665483
ZNF600	ENSG0000	0.160349	3.054091	1.934917	0.069353	0.134175	-5.07907	2.568952	2.655462	2.661582	2.48816	2.520598	2.402038	2.637802	2.623806	2.588518	3.716784	3.735447	3.674791	4.072312	4.10073	4.179864	3.793775	3.967936	3.984547
DPY19L2P1	ENSG0000	0.589772	-1.67145	2.151132	0.045723	0.096579	-3.865	1.894617	1.591918	1.853768	1.791994	1.817192	1.799787	2.26554	2.511284	2.087859	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
MAOA	ENSG0000	0.036796	5.144914	0.65128	0.523337	0.637143	-6.98269	5.160214	4.913842	4.950366	5.640298	5.644527	5.510028	5.141824	5.259465	4.994649	4.977839	4.967692	5.013889	5.489122	5.434541	5.403856	4.936827	4.910886	5.019105
PAX8-AS1	ENSG0000	0.101087	0.731083	0.260851	0.797256	0.85947	-5.92832	3.747663	3.768792	3.443319	3.999198	3.722109	4.138446	4.011872	3.935218	3.628063	0.269074	0.462741	0.34382	0.352262	0.345231	0.707101	0.457048	0.106501	0.315289
C15orf61	ENSG0000	0.189375	2.780091	1.632646	0.120428	0.206563	-5.36732	2.548084	2.403106	2.848472	2.933382	3.225109	2.961768	3.027514	3.083395	2.846105	2.894025	2.841532	3.269454	3.173846	3.348006	3.234995	3.022222	3.149837	2.928814
TSPYL1	ENSG0000	-0.08623	6.526861	-2.08203	0.052328	0.107467	-5.3956	6.462131	6.437637	6.447493	6.821637	6.822574	6.642197	6.389189	6.409631	6.405835	6.576908	6.505835	6.509664	6.702506	6.737816	6.678593	6.49423	6.399208	6.331655
PNRC2	ENSG0000	-0.04904	6.416468	-1.17308	0.256503	0.371391	-6.73975	6.088617	6.063513	6.048426	6.37999	6.223609	6.311829	6.008705	6.116987	5.972785	6.678075	6.772559	6.692621	6.806028	6.879862	6.805107	6.612462	6.60078	6.754239
GJB5	ENSG0000	0.707742	-0.53686	3.977182	0.000929	0.004407	-0.73577	0.106501	0.106501	0.106501	0.106501	0.25478	0.2349	0.106501	0.106501	0.106501	2.804042	2.590228	2.957162	2.977243	2.581279	3.085545	3.447271	3.394711	3.444131
FHIT	ENSG0000	-0.113	1.603892	-0.89873	0.381013	0.502898	-6.01437	2.438959	2.152784	2.138168	1.634586	1.498102	1.422231	1.867984	2.029503	2.047395	2.409929	2.115463	2.183199	2.079215	2.016959	1.876113	2.247458	2.233409	2.252429
ZKSCAN3	ENSG0000	0.354304	2.182981	2.36753	0.029677	0.068585	-3.94996	2.483604	2.152784	2.446827	2.81607	2.737798	2.605775	2.724622	2.676938	2.981126	1.865926	2.285719	2.038602	2.802201	2.743101	2.689384	2.034568	2.295039	2.397196
FOXR2	ENSG0000	0.364605	-0.41723	4.61279	0.000232	0.001457	0.511748	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.206534	3.373534	3.149392	3.965575	3.766081	3.898452	3.637781	3.520448	3.487904
RRP7A	ENSG0000	-0.00282	6.50334	-0.0518	0.959275	0.974161	-7.44115	6.532876	6.42071	6.454708	6.468179	6.628918	6.58612	6.599072	6.448347	6.57728	6.603825	6.536152	6.681841	6.422132	6.445625	6.332194	6.569027	6.557426	6.490722
LIN54	ENSG0000	0.289848	3.973619	1.379543	0.185123	0.287298	-6.03223	3.593253	3.732673	3.576275	4.400654	4.231942	4.315882	4.487843	4.664259	4.534865	4.341661	4.353024	4.398932	3.442811	3.544454	3.317756	4.156784	4.07722	4.087723
FAM53B	ENSG0000	0.521861	4.104254	3.779797	0.001434	0.006221	-1.46079	4.226185	4.360345	4.418131	4.654117	4.795153	4.819357	4.857993	4.905964	4.849226	3.123934	3.322263	3.225594	4.404034	4.164465	4.41524	3.678389	3.72088	3.601852
S100A14	ENSG0000	0.288799	1.744672	3.314005	0.003983	0.014051	-2.77003	0.41387	0.316291	0.323815	0.106501	0.106501	0.2349	0.415731	0.387194	0.256032	5.824834	5.906851	5.84254	6.18304	6.221748	6.207511	6.164504	6.132834	6.142619
KAZN	ENSG0000	0.018505	0.615352	0.064452	0.949342	0.967371	-5.94599	3.633432	3.59862	3.576275	3.619685	3.709312	3.828257	3.523527	3.3682	3.856018	0.415169	0.259702	0.16959	0.46104	0.345231	0.593579	0.326864	0.358227	0.214669
SLC35E2B	ENSG0000	0.637403	4.72514	5.278521	5.61E-05	0.00048	1.657432	4.772011	4.574447	4.908943	5.830775	5.735694	5.727543	5.740105	5.663233	5.703339	3.77884	3.947677	3.779618	4.653644	4.711399	4.656936	3.98397	4.047684	3.976887
RPS2P46	ENSG0000	-0.18864	3.478968	-2.87245	0.010348	0.029877	-3.32707	3.86199	3.888531	3.889066	3.54791	3.394558	3.377995	3.814892	3.685883	3.808383	3.831846	3.735447	3.652879	3.24403	3.263212	3.387537	3.39137	3.537548	3.641153
NEMP2	ENSG0000	0.332604	3.093218	3.865491	0.001187	0.005367	-1.09664	3.747663	3.61855	3.845818	3.605613	3.426184	3.472196	3.988671	4.157125	3.968647	2.620402	2.753956	2.693003	2.727949	2.642244	2.661487	2.890155	3.171908	2.880366
ALG1L	ENSG0000	-0.1045	0.454537	-0.56627	0.578406	0.68508	-6.36894	0.667115	0.215206	0.421314	0.258133	0.512209	0.657796	0.269385	0.253663	0.106501	3.216534	2.877496	3.068941	3.680716	3.436722	3.412858	3.073871	3.093137	3.065099
GSPT2	ENSG0000	0.265606	-0.22673	0.827633	0.419036	0.540802	-5.61794	3.85351	3.759847	3.88052	4.400654	4.470555	4.473866	4.057185	4.090149	4.17992	0.190076	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
C8orf76	ENSG0000	0.212387	2.339923	1.921846	0.071083	0.136797	-4.86866	2.369288	2.470453	2.274882	2.291228	2.117603	2.064596	2.058296	2.676938	2.501332	2.763691	2.753956	2.745712	2.995443	2.863205	3.147195	2.990321	3.034117	2.975687
CXCL17	ENSG0000	-0.61573	-1.11592	-2.88279	0.010122	0.029367	-2.84548	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.263275	2.485369	2.183199	3.205461	3.203781	3.225499	1.708352	1.878239	1.370407
HMGB1	ENSG0000	0.277446	7.917558	3.823938	0.001301	0.005779	-1.9802	7.784086	7.771761	7.710996	7.741037	7.739071	7.788822	8.082404	8.170109	8.092294	8.112339	8.101385	8.060771	7.513555	7.558823	7.527197	8.268039	8.272412	8.333707
RASSF10	ENSG0000	-0.22611	-0.19247	-0.80796	0.429971	0.551222	-6.02361	0.216396	0.106501	0.106501	0.395333	0.25478	0.461789	0.269385	0.509405	0.39151	2.589954	2.817048	2.786535	2.649667	2.48471	2.633039	2.192442	2.054898	2.302316
BLOC1S2	ENSG0000	-0.00373	5.721615	-0.04188	0.96707	0.978613	-7.26006	6.894964	6.937505	6.831347	6.474	6.369019	6.356623	6.711398	6.74433	6.71605	4.721121	4.748933	4.692697	4.851459	4.856747	4.863891	4.991566	4.90101	4.942519
SYCP2	ENSG0000	0.20919	2.974184	2.457973	0.024676	0.059438	-4.3067	1.681202	1.591918	1.54317	2.063099	1.817192	2.064596	1.588238	1.491012	1.674905	4.816256	4.827642	4.783729	4.670733	4.623418	4.562043	4.936827	5.036489	5.150886
ZNF724	ENSG0000	-0.1542	0.401981	-0.81107	0.428233	0.549935	-6.0383	0.587539	1.002471	1.028027	0.635873	0.25478	0.657796	0.886508	1.15884	1.01237	2.650221	2.590228	2.522234	1.018891	1.032323	0.957066	2.417026	2.37332	2.119598
IL1RAP	ENSG0000	0.245843	6.219012	1.60942	0.125437	0.213096	-6.15178	6.211491	6.193765	6.191761	5.576799	5.543607	5.528939	6.636872	6.71922	6.735283	6.27468	6.330977	6.151739	6.426331	6.403323	6.49022	6.275652	6.369673	6.251386
SPOCK3	ENSG0000	-0.69889	0.035145	-1.96794	0.065149	0.127795	-4.31475	0.667115	0.316291	0.421314	1.578054	1.953662	1.475193	0.269385	0.253663	0.106501	1.646779	1.335727	1.46518	2.694919	2.888589	2.449456	1.017342	1.478665	1.416439
ZNF676	ENSG0000	-0.14609	-0.8696	-1.53455	0.142798	0.235202	-5.32661	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.708071	2.877496	2.893183	2.760241	2.850343	2.821313	2.597261	2.585506	2.724423
ZNF699	ENSG0000	0.073674	1.929431	0.569909	0.575992	0.683687	-6.50152	1.519087	1.420874	1.62731	1.326771	1.498102	1.475193	0.782422	1.760835	1.674905	3.303547	3.390227	3.312021	3.100071	3.009215	2.965187	3.358427	3.511821	3.540816
TDRD7	ENSG0000	-0.26802	4.873075	-3.939	0.00101	0.004725	-1.37934	4.888652	4.791891	4.758481	4.714371	4.515354	4.67402	4.283766	4.474723	4.132351	5.286319	5.403536	5.313568	5.252352	5.236244	5.283183	5.132197	5.289597	5.217405
CCDC189	ENSG0000	0.135238	1.849749	0.701588	0.492173	0.609567	-6.13246	1.719036	1.226787	1.706811	2.864145	3.112982	2.605775	1.459147	1.809233	1.918715	2.356666	2.285719	2.088428	2.749557	2.770668	2.906973	2.283004	2.190809	2.302316
KIAA0895L	ENSG0000	0.077743	4.112609	0.650609	0.523761	0.637328	-6.78438	3.682132	3.647938	3.801232	4.626508	4.167908	4.512384	4.154215	3.988732	4.05282	4.323269	4.45175	4.324649	4.376523	4.190213	4.464508	4.208537	4.178806	4.411295
HLA-DRB1	ENSG0000	-0.76348	1.428904	-3.22094	0.004879	0.016553	-2.30688	1.12723	0.875715	0.898566	1.182548	0.92021	1.123626	1.70672	0.915275	1.0941	2.918737	2.877496	3.093551	3.783794	3.890658	3.910354	1.948641	2.315011	2.06284
AKR1C3	ENSG0000	0.453832	-0.30636	1.38661	0.182994	0.284695	-5.00389	2.668993	2.748839	2.641489	3.041869	3.073582	3.03415	2.933443	3.083395	3.323715	0.269074	0.106501	0.230035	0.294634	0.190544	0.186984	0.326864	0.19538	0.106501
SPATS2L	ENSG0000	-0.1619	7.923087	-4.85742	0.000137	0.000974	0.268486	6.955649	6.937505	6.896378	6.853246	6.910452	6.86939	6.749855	6.677461	6.805205	9.039256	8.988949	9.037788	9.095346	9.141586	9.163122	8.860633	8.887724	8.888258
ZNF250	ENSG0000	-0.1794	3.418803	-2.57557	0.019353	0.049019	-4.00429	2.90065	2.55562	2.916938	2.740812	2.948483	2.94309	2.806512	2.981485	2.670735	4.395472	4.305413	4.389024	4.524863	4.407733	4.381435	4.147172	4.088867	4.170642
WDSUB1	ENSG0000	0.048907	3.210976	0.57869	0.570181	0.679021	-6.48531	3.801557	3.777682	3.648527	4.325376	4.318753	4.053927	3.916741	3.761625	3.957772	2.693825	2.701418	2.735323	3.108457	3.077028	2.99902	2.568742	2.634012	2.742606
ZNF79	ENSG0000	-0.18038	3.665895	-1.72884	0.101461	0.180842	-5.41291	4.315334	4.256058	4.124423	3.933121	4.009905	3.608819	4.101117	3.924273	4.141991	3.695491	3.356645	3.608031	3.652319	3.536446	3.578659	3.383205	3.317614	3.530388
S100A4	ENSG0000	-0.41691	6.648703	-5.05321	9.03E-05	0.000702	0.91428	8.478111	8.486467	8.399356	7.946198	8.009531	7.757095	7.85914	7.95842	7.931365	5.417818	5.242793	5.401609	5.244764	5.265605	5.283183	5.246891	5.198461	4.96205
PLEKHG4	ENSG0000	-0.30571	5.062077	-5.38212	4.52E-05	0.000409	1.686264	5.023273	4.917869	4.870617	4.517996	4.343809	4.434292	4.528631	4.316298	4.436456	5.847534	5.853677	5.821823	5.423425	5.303845	5.384788	5.589736	5.718611	5.635005
FAT4	ENSG0000	-0.327	4.187017	-0.78391	0.443588	0.564463	-6.68626	4.399293	4.389636	4.711067	3.688057	3.278066	3.620621	4.225415	4.282412	4.207726	3.87036	4.223947	3.743789	5.755221	5.77289	5.840085	3.70484	3.603991	3.660409
ZNF681	ENSG0000	-0.07836	-0.32321	-0.63252	0.535238	0.647734	-6.47887	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	3.651939	3.754913	3.712353	3.526548	3.243672	3.412858	3.508614	3.636099	3.641153
ACADSB	ENSG0000	0.189646	4.274457	1.87316	0.077869	0.147307	-5.1978	5.253402	5.424646	5.261389	5.794018	5.707014	5.791585	5.601686	5.79224	5.515873	3.17611	3.055486	3.269454	3.409264	3.203781	3.517722	3.103995	2.985098	2.960231
STK40	ENSG0000	-0.39713	6.913073	-2.50869	0.02223	0.054703	-4.67655	7.052366	7.085359	7.146763	5.749917	5.760718	5.751893	6.491769	6.480459	6.472298	7.517597	7.412983	7.521664	7.557476	7.390791	7.486533	7.267812	7.268492	7.265725
TMEM63A	ENSG0000	0.01782	5.60515	0.334993	0.741618	0.818255	-7.2907	4.973272	4.992316	5.045184	5.213737	5.039662	5.143594	5.243334	5.201716	5.193163	6.219807	6.237208	6.157586	6.249001	6.13691	6.086842	6.106165	6.198814	6.036078
SEMA4A	ENSG0000	-0.05056	1.708968	-0.72772	0.476423	0.595549	-6.76311	0.882475	0.499412	0.421314	0.395333	0.389229	0.3528	0.548589	0.622068	0.515351	4.908591	4.854958	4.821051	4.821167	4.89169	4.836082	4.802439	4.857415	4.75819
HRCT1	ENSG0000	-0.44003	1.418884	-3.43687	0.003044	0.011364	-1.7449	2.27083	2.332462	2.351095	1.888135	1.768674	1.714252	2.102195	1.710758	2.047395	1.91588	2.267764	1.986992	1.644349	1.393161	1.550722	1.85727	1.547811	1.877799
MPHOSPH	ENSG0000	0.246008	5.161573	4.423543	0.00035	0.002026	-0.34694	4.730936	4.756352	4.76778	5.171375	5.244245	5.431804	5.026946	5.263813	5.117003	5.215784	5.193714	5.131452	5.541158	5.603108	5.51521	5.336314	5.294635	5.317842
RNF216P1	ENSG0000	-0.28782	4.70664	-3.78016	0.001432	0.00622	-1.6878	5.086148	5.130591	4.892035	4.562385	4.614773	4.622128	4.599263	4.583078	4.497806	5.004057	4.964909	5.158919	4.486773	4.446707	4.385705	4.894365	4.943327	4.869935
EEF1A1P5	ENSG0000	-0.23328	3.749161	-1.62064	0.122994	0.209998	-5.54654	4.527427	4.517206	4.790768	4.714371	4.400635	4.279122	4.7858	4.316298	4.633836	3.901688	3.470912	3.203153	3.057395	3.088026	2.906973	2.913023	3.171908	3.006111
GREB1	ENSG0000	0.256253	1.275208	1.147976	0.266449	0.382679	-5.56935	2.051128	2.49222	2.166567	2.325974	2.429905	2.675323	2.806512	2.184314	2.165532	1.388276	1.369793	1.305813	1.088368	1.077171	0.910419	1.354562	1.766644	1.626848
ZNF766	ENSG0000	-0.1031	4.75046	-1.54872	0.139364	0.230998	-6.03531	4.212988	4.223893	4.235828	4.072648	4.071202	4.053927	3.866715	3.967564	3.796224	5.41565	5.49705	5.448471	5.816647	5.786458	5.799062	5.392313	5.458474	5.513196
RYR1	ENSG0000	0.731277	1.291457	3.309447	0.004023	0.014158	-1.99242	1.010037	1.374745	1.256574	2.103714	2.229385	1.956998	1.648695	1.809233	1.777424	1.940223	1.55885	1.986992	1.711947	1.793303	1.722572	2.247458	2.190809	2.464474
SRGAP3	ENSG0000	0.586172	1.273731	3.679542	0.001787	0.007393	-1.37429	0.882475	0.410755	0.756332	1.104644	1.164793	1.123626	0.415731	0.824004	0.735084	2.558849	2.779525	2.435052	4.167687	4.005327	3.904416	3.333216	3.277464	2.81313
FAM217B	ENSG0000	0.213872	5.462251	1.997307	0.061603	0.122356	-5.39722	5.394524	5.250391	5.353819	5.67103	5.593209	5.788972	5.973684	5.874148	5.857568	5.454194	5.538823	5.540848	5.132064	5.16532	5.11852	5.340537	5.442675	5.442654
TUBB	ENSG0000	-0.02102	9.666885	-0.1306	0.89758	0.931727	-7.66955	9.807611	9.81581	9.794699	10.08594	10.13927	10.09418	9.720984	9.668432	9.641744	9.730663	9.667672	9.697011	8.974393	8.914641	8.955509	9.796634	9.763467	9.769435
LCOR	ENSG0000	-0.15024	5.328056	-1.6124	0.124785	0.212318	-5.9896	5.87482	5.904176	5.901987	5.20443	5.119213	5.394483	6.020192	6.145542	5.9889	5.41565	5.518087	5.310072	4.676384	4.608219	4.635585	4.894365	4.968764	5.026544
SUPT5H	ENSG0000	0.155692	7.694472	3.404158	0.00327	0.01199	-2.87814	7.486579	7.345888	7.464533	7.292634	7.378913	7.291907	7.687852	7.588129	7.705396	7.933295	7.836058	7.90235	7.953095	7.908967	7.898657	7.983739	7.978126	7.99565
XPNPEP3	ENSG0000	-0.41442	4.674567	-6.197	8.61E-06	0.000115	3.498886	5.100552	4.969219	5.322611	4.863733	4.950037	4.903882	4.772276	4.802174	4.813478	4.5772	4.752166	4.883539	4.49639	4.54975	4.56581	4.311095	4.273707	4.286716
ZNF107	ENSG0000	0.147983	3.154318	1.352029	0.193604	0.297432	-6.06369	2.218961	2.125186	2.221741	2.766336	2.398361	2.317553	1.867984	2.357042	2.309357	4.565511	4.606195	4.48516	3.979357	4.067774	4.109334	4.691084	4.706825	4.749225
PPIA	ENSG0000	-0.05466	9.766871	-1.62329	0.122425	0.209312	-6.37596	10.39811	10.3789	10.33914	10.33933	10.34005	10.30303	10.39451	10.4066	10.37853	9.33955	9.285696	9.224736	9.050081	9.122155	9.095663	9.148445	9.132102	9.160712
ZNF471	ENSG0000	0.590247	2.850828	4.915053	0.000121	0.00088	1.140189	2.345296	2.37994	2.248556	2.766336	3.073582	3.03415	2.884002	2.801791	2.82232	2.894025	3.086546	2.671369	3.87509	3.964133	4.024267	3.508614	3.104657	3.540816
ZNF836	ENSG0000	0.930403	1.088704	6.301333	7.01E-06	9.76E-05	3.998366	0.742531	1.118985	0.679585	1.104644	1.2379	0.984419	1.240874	0.915275	1.314712	1.891119	1.967585	1.800268	2.749557	3.032175	2.942182	2.625227	2.568968	2.84714
ZNF493	ENSG0000	-0.42246	-0.18477	-2.7096	0.014618	0.039239	-3.48165	0.41387	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	3.60703	3.735447	3.519989	3.686328	3.67419	3.849837	3.113899	3.236163	3.387478
GTF2IRD2	ENSG0000	-0.16181	1.625853	-0.7653	0.454304	0.574811	-5.94108	2.369288	2.636038	2.37563	2.955742	3.34578	2.904994	2.480375	2.916694	2.697131	1.616888	1.588084	1.46518	1.711947	1.738515	2.014873	1.058946	0.924142	1.170016
SUPT3H	ENSG0000	-0.3659	2.483542	-2.495	0.022867	0.05597	-3.84148	3.520128	3.472886	3.522358	2.325974	2.398361	2.317553	2.832807	2.871824	2.588518	2.650221	2.714733	2.735323	2.439743	2.269709	2.433049	2.744769	2.618024	2.81313
NIF3L1	ENSG0000	0.220924	5.071182	3.308055	0.004035	0.01419	-2.78537	4.789897	4.852052	4.804386	4.938614	4.675247	4.662649	5.257962	5.289629	5.304656	5.288691	5.353339	5.349772	5.045184	5.152279	5.188613	5.394346	5.394214	5.33891
GARS1-DT	ENSG0000	-0.14836	3.552476	-1.56467	0.135584	0.226286	-5.57953	4.145127	3.983805	4.167214	4.209199	4.139571	4.372816	3.853933	3.856799	4.141991	3.331423	3.195032	3.043904	3.53901	3.568213	3.502077	2.855159	3.171908	3.189613
ATP2A1	ENSG0000	-0.57158	1.061373	-3.90231	0.001095	0.005025	-0.73678	2.218961	2.576149	2.492412	1.326771	1.864131	1.575618	2.01302	2.029503	2.127218	1.732907	1.529011	1.820066	1.018891	1.16289	1.002253	1.354562	1.16325	1.273688
IARS1	ENSG0000	-0.40953	8.880512	-11.6861	1.09E-09	1.20E-07	12.31027	9.513421	9.551609	9.517876	8.877579	8.775501	8.867773	9.09727	9.135142	9.07976	9.036083	9.002244	9.005326	8.194012	8.16866	8.22659	8.643231	8.543153	8.673453
MFSD14C	ENSG0000	-0.09965	2.301409	-0.7339	0.472738	0.592347	-6.32093	2.416107	2.470453	2.018628	1.978268	2.03796	2.132113	2.303642	2.389238	2.376228	2.990428	3.044983	2.693003	3.048706	3.292034	3.167173	2.807136	2.755911	2.649309
POM121	ENSG0000	-0.16919	6.478012	-3.68645	0.00176	0.007307	-2.13848	7.162874	7.133768	7.240746	6.466234	6.561094	6.541808	7.093571	6.998961	6.957639	6.354963	6.255545	6.280572	5.84578	5.757473	5.898018	6.13927	6.149614	6.083215
ZBTB44	ENSG0000	-0.2917	4.764335	-5.23805	6.11E-05	0.000514	1.430802	4.635242	4.765319	4.686762	4.103016	4.167908	4.088331	4.164604	4.444399	4.198517	5.42646	5.456014	5.45006	5.19838	5.131167	5.168932	5.278052	5.193075	5.230349
STK31	ENSG0000	-0.88666	1.255687	-3.68484	0.001766	0.007324	-1.17708	2.609804	2.886707	2.558197	1.933905	2.078331	1.757653	2.01302	1.945386	1.873138	1.787595	1.498542	1.387696	1.473091	1.793303	1.876113	1.13872	1.289746	0.805046
NLGN3	ENSG0000	0.021691	1.042531	0.112338	0.911836	0.941653	-6.12545	2.369288	2.206444	2.138168	2.359902	2.333126	2.741673	2.058296	1.809233	2.127218	0.834246	1.190799	0.846782	1.186687	1.320413	1.355599	1.214313	1.072305	1.322858
ZKSCAN7	ENSG0000	-0.21684	-1.05597	-0.98185	0.339569	0.460529	-5.73581	0.106501	0.215206	0.106501	0.106501	0.25478	0.2349	0.106501	0.106501	0.106501	2.01088	2.074736	1.858866	2.129525	2.517623	2.399663	1.784732	1.442809	2.226823
ZNF729	ENSG0000	-0.27839	-1.68105	-1.49049	0.15392	0.24952	-5.0882	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.787595	2.095243	1.780195	1.392977	1.16289	1.129895	1.45147	1.513652	1.665483
CD55	ENSG0000	0.329212	8.801799	1.632631	0.120431	0.206563	-6.25401	10.71888	10.73304	10.69211	10.30559	10.24502	10.30965	11.66153	11.61567	11.66667	7.228008	7.214627	7.332596	6.235665	6.377781	6.326654	6.598422	6.677994	6.63276
CPNE4	ENSG0000	-0.53972	3.509133	-2.64459	0.016757	0.043752	-3.6394	4.803168	4.751848	4.913139	4.921675	4.944587	4.923071	3.828023	3.685883	3.90213	2.409929	2.632935	2.422156	3.108457	3.141796	3.010124	3.043104	2.799093	2.706008
ZNF565	ENSG0000	0.901077	2.165635	5.914418	1.52E-05	0.000176	3.267554	2.798329	2.596389	2.883112	3.619685	3.242978	3.643939	3.774765	3.773871	3.557782	1.352446	1.300837	1.46518	2.027088	2.169719	2.036756	1.681967	1.737342	1.877799
WDR5	ENSG0000	-0.15635	7.063559	-2.22342	0.039638	0.086364	-5.22102	7.304922	7.251721	7.409158	6.426761	6.530503	6.515184	7.000948	6.897684	6.90341	7.32016	7.299371	7.417489	7.021171	6.968085	6.922886	7.412245	7.382898	7.36443
LONP1	ENSG0000	-0.07678	7.199705	-1.19899	0.246537	0.360184	-6.78214	7.530462	7.488763	7.598894	7.172485	7.350349	7.296512	7.54307	7.404411	7.533861	7.157735	7.131436	7.349298	6.71423	6.638447	6.556098	7.157232	7.190907	6.967345

TRRAP	ENSG0000	-0.33604	6.995152	-5.37217	4.61E-05	0.000416	1.471643	7.237276	7.266007	7.42173	6.875407	6.918814	7.150499	6.940263	6.834781	6.83374	7.122269	7.248209	6.921197	6.92534	6.858343	7.007043	6.870805	6.842689	6.849598
NUDT11	ENSG0000	0.363331	-0.66258	1.824564	0.085209	0.157574	-4.44446	3.729242	3.461896	3.39613	3.887325	4.213935	3.991672	3.828023	3.988732	3.783962	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SRGAP2B	ENSG0000	-0.3565	1.51816	-2.37047	0.029501	0.068288	-3.88639	1.602421	1.631689	1.706811	2.063099	1.864131	1.799787	1.389995	1.760835	1.564539	2.263275	2.516115	2.604447	2.343563	2.190279	1.970087	1.926335	2.190809	2.174206
FUT4	ENSG0000	-0.02736	2.229457	-0.17332	0.864392	0.90907	-6.53902	2.438959	2.693541	2.621113	2.063099	2.117603	2.258349	2.340763	1.945386	2.047395	2.527059	2.405511	2.786535	2.872818	3.054776	2.883013	2.979529	2.726388	2.687355
ASB13	ENSG0000	-0.22507	5.354836	-4.87024	0.000133	0.000951	0.584014	5.501516	5.538865	5.536278	5.294904	5.321958	5.155812	5.233498	5.219733	5.165072	5.58539	5.519985	5.596435	5.368624	5.425898	5.323798	5.516966	5.370553	5.362617
ZNF34	ENSG0000	-0.00793	2.210383	-0.05722	0.955017	0.970872	-6.5979	2.080492	2.125186	1.921989	2.359902	1.498102	2.064596	2.376953	2.147141	2.34318	3.165825	2.779525	3.001185	3.091636	3.04352	2.782986	2.968656	2.711397	2.880366
ZNF140	ENSG0000	0.205655	4.972374	2.566659	0.019715	0.04977	-4.26232	4.876148	4.804995	4.887776	4.938614	4.933626	4.937296	4.889651	4.866483	4.84333	4.845549	4.81224	4.803754	5.495531	5.438844	5.534564	5.168285	5.08382	5.194471
ZNF774	ENSG0000	0.026775	1.391301	0.213293	0.833567	0.886073	-6.44081	1.12723	1.277811	1.088647	1.256461	1.2379	1.575618	1.389995	1.001115	1.38134	2.722179	2.66072	2.558044	2.542344	2.565626	2.528806	2.368215	2.770449	2.79582
PTPN1	ENSG0000	-0.0555	6.900749	-0.95372	0.35323	0.474494	-7.02991	6.665951	6.703292	6.584036	6.369619	6.385201	6.394924	6.739468	6.73653	6.629611	7.284953	7.273735	7.332596	7.325387	7.243018	7.272681	7.176261	7.182778	7.143608
EVL	ENSG0000	-0.17692	0.610309	-0.50154	0.622248	0.72254	-5.85732	5.720169	5.699529	5.792357	5.464331	5.488499	5.688828	5.486326	5.629937	5.519576	0.106501	0.106501	0.106501	0.171976	0.345231	0.186984	0.106501	0.106501	0.106501
EPHB4	ENSG0000	0.006215	7.068544	0.050222	0.960515	0.97473	-7.48806	7.261515	7.397988	7.404695	7.483628	7.683722	7.481811	7.100351	7.03502	7.039862	6.846112	6.755749	6.818523	6.648898	6.644979	6.545643	7.151234	7.092371	7.046321
ZNF765	ENSG0000	0.225973	4.054779	3.915698	0.001063	0.004912	-1.31683	3.349713	3.516026	3.431666	3.456785	3.502343	3.523386	3.571163	3.90213	3.586306	4.615493	4.709571	4.575288	4.856446	4.859959	4.759194	4.783949	4.914163	4.789136
ZNF124	ENSG0000	-0.29213	3.516192	-2.44885	0.025142	0.060239	-4.14759	4.138162	4.12982	3.995797	3.408969	3.378481	3.498018	4.079318	4.009594	3.913431	3.637124	3.66174	3.625013	3.482063	3.583837	3.378997	3.39137	3.058015	3.228839
XRCC6	ENSG0000	-0.28466	8.602534	-6.49722	4.78E-06	7.21E-05	3.681112	9.171235	9.156453	9.085589	8.583921	8.539697	8.56748	8.667283	8.771708	8.700856	8.620561	8.55835	8.643272	8.14237	8.165418	8.164897	8.469727	8.409052	8.498255
PPP1R26	ENSG0000	-0.17862	5.146039	-1.56093	0.136463	0.22746	-6.04705	5.250176	5.361002	5.446484	4.694564	4.955466	4.71863	5.08826	5.03875	4.945952	5.157281	5.368161	5.276432	5.541158	5.474904	5.455539	5.42251	5.054421	5.137206
TSC22D2	ENSG0000	-0.26721	5.074849	-3.32488	0.00389	0.013774	-2.7512	5.304069	5.227863	5.144898	4.626508	4.56592	4.518705	4.758625	4.784126	4.6676	5.464721	5.407641	5.510708	5.384248	5.401859	5.356791	5.414519	5.365774	5.249549
NPIPB15	ENSG0000	-0.27184	-1.3474	-1.80883	0.087713	0.161116	-4.70604	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.078238	1.945166	1.969371	2.343563	2.23054	2.481722	1.627702	1.547811	1.844513
ZNF569	ENSG0000	0.076908	2.792504	0.983271	0.33889	0.459998	-6.24183	2.526909	2.470453	2.641489	2.548252	2.737798	2.5075	2.981245	2.728183	2.643847	3.265521	3.431133	3.476988	3.353912	3.272884	3.281558	3.423579	3.385297	3.328509
YRDC	ENSG0000	-0.43195	6.016386	-10.1981	8.84E-09	5.99E-07	10.30843	6.627923	6.571467	6.520821	5.312338	5.253089	5.401341	6.220196	6.097632	6.111723	6.576908	6.504877	6.659351	5.490727	5.399654	5.503472	6.202126	6.127197	6.151152
ZNF777	ENSG0000	0.223571	4.766898	1.985003	0.063067	0.124465	-5.29362	5.104131	5.168263	5.141325	4.694564	4.971631	4.407292	5.082792	4.949799	5.07736	4.421642	4.435757	4.578198	4.630539	4.743056	4.523816	5.107626	4.959278	4.793504
PIK3R4	ENSG0000	0.040763	5.219705	0.98731	0.336962	0.45791	-6.77069	4.837972	4.901694	4.95851	4.97738	5.019069	5.019826	5.077304	5.03875	5.010523	5.473087	5.601093	5.558634	5.553494	5.538426	5.546053	5.520693	5.496136	5.549799
ZNF775	ENSG0000	0.217331	1.340803	1.1231	0.276586	0.39402	-5.58023	1.642349	2.332462	2.221741	2.518519	2.660129	2.374422	2.446718	2.290412	2.34318	1.199504	1.112482	1.49011	1.667235	1.846087	1.851631	1.45147	1.16325	1.170016
ZNF605	ENSG0000	0.943054	4.520125	13.33464	1.36E-10	2.46E-08	14.57903	4.252223	4.342481	4.109872	4.960893	4.894593	5.167927	5.257962	5.21525	5.22526	3.688323	3.884278	3.779618	4.673561	4.704269	4.649854	4.650836	4.551348	4.572451
TRAPPC2	ENSG0000	-0.08213	4.046078	-0.81485	0.426123	0.547884	-6.61914	4.798758	4.701347	4.631806	4.171485	3.99943	4.10523	4.758625	4.889176	4.7071	4.054455	3.878373	3.809637	3.708564	3.552417	3.665494	3.588914	3.68296	3.788453
MYL6B	ENSG0000	0.159442	5.66283	2.694325	0.015096	0.040294	-4.14609	5.149863	5.26627	5.303557	5.388282	5.47722	5.481188	5.668911	5.423907	5.62645	5.814994	5.846135	5.972061	6.113917	6.122272	6.042916	5.977832	5.87814	5.913032
ZNF799	ENSG0000	-0.27778	0.815188	-1.30989	0.207191	0.313678	-5.41477	1.384302	1.277811	1.453818	1.022291	1.2379	1.526279	1.389995	1.491012	0.925731	2.14259	1.875739	1.896649	1.573426	1.560439	1.046067	1.419885	1.90484	1.942153
SIAH1	ENSG0000	-0.08307	4.696952	-1.63549	0.119827	0.205774	-5.83436	4.925527	4.921884	4.840087	4.753186	4.688349	4.645422	4.695544	4.741115	4.782996	4.728129	4.658809	4.791271	4.71259	4.784213	4.772296	4.677792	4.744131	4.698895
C20orf96	ENSG0000	-0.05485	3.243176	-0.30858	0.761287	0.832733	-6.75992	3.325391	3.537122	3.075109	2.840308	2.835252	2.865864	3.423261	3.3682	3.199964	3.437834	3.501964	3.38694	4.135224	4.116929	4.01878	3.324713	3.537548	3.228839
ESRRG	ENSG0000	1.266141	0.141668	3.526034	0.002504	0.009705	-1.41053	0.318509	0.736739	1.088647	2.714828	2.520598	2.346268	1.917967	1.231675	1.674905	0.483018	0.462741	0.594297	1.597456	1.681564	1.284217	0.576451	0.816175	0.580851
NCOR2	ENSG0000	0.019205	8.466072	0.155708	0.878048	0.918548	-7.57338	9.104016	9.173184	9.354487	9.131925	9.317598	9.16361	8.97974	8.769034	8.961908	7.619094	7.885465	7.81317	7.647267	7.565724	7.568624	8.257748	8.165784	7.99565
SULT1A1	ENSG0000	-0.19314	3.317657	-1.75776	0.096288	0.173514	-5.2347	4.688657	4.287521	4.43574	4.020568	3.967543	4.009735	4.462805	4.397684	4.3476	3.145032	3.166245	2.93917	2.300295	2.21055	2.276326	2.75746	2.568968	2.830235
PRPF40A	ENSG0000	-0.16049	7.532094	-3.09305	0.00644	0.020565	-3.52281	7.812254	7.811262	7.836712	7.280506	7.344154	7.322036	7.508824	7.585526	7.506137	7.598688	7.597254	7.561535	7.441537	7.435611	7.454884	7.499349	7.544935	7.582008
GDAP2	ENSG0000	0.877329	4.307138	12.28932	4.96E-10	6.90E-08	13.31782	3.156438	3.273623	3.371944	3.999198	3.99943	4.062605	4.321396	4.357565	4.198517	4.455814	4.287703	4.358889	5.190502	5.317927	5.292308	5.039116	5.132464	5.194471
TCEAL3	ENSG0000	0.40246	2.301267	2.73558	0.013838	0.037658	-3.28937	1.755904	2.37994	2.351095	2.887595	2.904251	3.306732	2.26554	2.029503	2.202855	2.243849	2.155072	2.382761	3.165832	3.077028	3.206318	2.77004	2.854728	2.687355
ANAPC7	ENSG0000	-0.12546	6.009147	-2.70289	0.014826	0.039701	-4.13039	6.511476	6.464039	6.422689	6.536528	6.495526	6.583107	6.508178	6.363784	6.4988	5.664228	5.681277	5.712202	5.632665	5.591562	5.609485	5.457931	5.444943	5.423057
TPK1	ENSG0000	0.143242	1.376484	0.84005	0.412225	0.533999	-5.77739	4.158957	4.164126	4.042515	3.57705	3.242978	3.292047	4.358069	4.324646	4.216877	0.88529	0.583785	0.76743	0.5125	0.416769	0.404558	0.517985	0.816175	0.734116
SLC6A9	ENSG0000	-0.08329	4.039841	-0.8103	0.428662	0.550229	-6.73021	3.747663	3.695626	3.511328	3.456785	3.878897	3.838399	3.828023	3.550079	3.572114	4.835851	4.790397	4.883539	4.397206	4.164465	4.098971	4.77149	4.676269	4.698895
AFAP1	ENSG0000	0.339393	7.9583	3.054947	0.006992	0.021876	-3.61475	8.579286	8.584086	8.595862	8.093375	8.162301	8.115092	8.996557	8.916814	8.916292	7.194248	7.19576	7.128918	7.496084	7.451667	7.458942	7.492722	7.466748	7.5234
NACA	ENSG0000	-0.10722	9.165407	-2.88697	0.010032	0.029171	-4.05219	9.498712	9.504022	9.46794	9.231215	9.271006	9.258487	9.381537	9.377846	9.430112	9.048907	8.98449	9.005326	8.910938	8.97643	8.995865	8.876354	8.891469	8.914058
MYO18A	ENSG0000	-0.29261	5.958481	-2.85529	0.010734	0.030742	-3.86937	6.119004	6.198738	6.215741	5.44865	5.47722	5.414959	5.733141	5.427787	5.313214	6.325233	6.274776	6.267113	6.265031	6.194019	6.177046	6.284447	6.273436	6.285892
SPTSSB	ENSG0000	0.08603	1.202138	0.419604	0.679887	0.770438	-6.75261	0.41387	0.410755	0.323815	0.841981	1.006428	0.563119	0.269385	0.106501	0.256032	4.485065	4.620414	4.503642	3.691919	3.606961	3.563664	4.661004	4.695442	4.789136
BORCS6	ENSG0000	0.672865	2.615839	4.908613	0.000123	0.000888	1.210818	2.051128	2.308123	1.954926	3.633621	3.901574	3.584921	2.576877	2.753138	2.798137	2.409929	2.372288	2.396013	3.395624	3.348006	3.335521	2.946659	2.934355	2.760563
MAN2A2	ENSG0000	0.456687	5.952047	3.419124	0.003165	0.011706	-2.61825	5.914086	5.785783	5.876425	6.878337	6.877943	6.926367	6.568102	6.562162	6.601937	5.491736	5.457995	5.426038	5.514586	5.359369	5.536486	5.577264	5.562382	5.682873
MME	ENSG0000	0.169492	2.409499	1.623742	0.122328	0.209211	-5.7435	1.010037	1.002471	0.756332	1.104644	0.730585	0.746642	1.074544	1.231675	1.314712	4.529864	4.606195	4.673781	5.485908	5.566222	5.426825	4.752597	4.833383	4.627304
FAM72A	ENSG0000	-0.08947	1.112119	-0.36632	0.718522	0.80051	-6.19442	2.438959	1.978677	2.446827	1.457877	2.03796	1.623325	2.376953	2.108984	2.309357	1.840286	1.699433	2.004401	0.656707	0.986036	0.470356	1.708352	1.645686	1.81044
CACNA1H	ENSG0000	0.303131	3.477261	4.061455	0.000772	0.003794	-1.02045	1.826927	1.947501	1.987129	2.021307	2.490996	2.629332	1.816207	1.710758	2.087859	4.963066	5.090242	5.101431	5.678445	5.635331	5.574382	5.541021	5.329416	5.271631
SULF2	ENSG0000	-0.63305	-0.38418	-1.16195	0.260876	0.376383	-5.2765	2.949211	3.235413	3.24453	5.122798	4.998178	4.884435	2.779728	2.451551	2.34318	0.190076	0.259702	0.106501	0.106501	0.106501	0.263213	0.106501	0.19538	0.106501
LAMA2	ENSG0000	-1.31612	1.053167	-5.33539	4.98E-05	0.00044	2.142582	2.649532	2.91921	2.848472	1.256461	1.556428	1.669505	1.459147	1.15884	1.826075	1.388276	1.967585	1.877881	1.336984	1.357245	1.355599	1.419885	1.206659	0.999041
PLXNB2	ENSG0000	-0.26138	7.684037	-2.15378	0.045486	0.096193	-5.35119	7.944895	7.939597	8.024426	8.720363	8.852812	8.676795	8.061014	7.942235	7.962301	7.349425	7.353044	7.424376	7.316366	7.147022	7.292143	6.830084	6.879199	6.739602
XRCC2	ENSG0000	-0.00302	3.322896	-0.01369	0.989232	0.993137	-6.91911	4.102823	3.829904	4.042515	2.97776	3.260629	3.086148	3.788265	3.90213	3.681923	4.271447	4.237848	4.059098	1.797417	1.428204	1.775589	4.298124	4.348284	4.335451
MYO6	ENSG0000	0.188188	6.552908	2.0898	0.051544	0.106213	-5.40814	5.313374	5.474709	5.244837	5.887123	5.726197	6.009218	5.900984	5.733887	5.745052	7.149928	7.216969	7.127925	8.045521	8.019735	8.039096	7.206657	7.229563	7.229115
MRTFA	ENSG0000	-0.33271	5.711004	-3.30717	0.004043	0.014214	-2.85488	6.239421	5.971588	6.212339	5.775282	5.751385	5.59324	5.609312	5.481041	5.677057	5.610256	5.608245	5.698897	5.970627	5.717306	5.876944	5.57368	5.442675	5.502565
HDAC2	ENSG0000	-0.04934	6.972805	-1.58017	0.131995	0.221489	-6.25997	7.020527	7.039895	6.985753	6.997633	6.936766	6.953449	6.905069	6.933604	6.967161	6.993699	6.965218	6.996533	7.051388	7.009168	7.077352	6.988517	6.938337	6.963474
ANKRD20A	ENSG0000	-0.08803	0.17891	-1.34696	0.195198	0.299301	-6.05858	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.64911	4.637993	4.548836	5.014278	4.794321	4.903135	4.398766	4.568087	4.536426
ZNF782	ENSG0000	0.367716	2.301659	2.779778	0.012603	0.035025	-3.19084	2.668993	2.55562	2.514675	2.605941	2.737798	3.016392	2.957542	3.063581	2.670735	2.01088	2.174476	2.088428	2.83289	2.756951	2.689384	2.283004	2.392244	2.48622
POTEF	ENSG0000	0.039005	-0.7145	0.202778	0.84165	0.892933	-6.45712	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.253663	0.106501	3.102524	3.023743	2.826234	2.062048	2.398985	2.465679	2.807136	2.799093	3.079476
ZNF846	ENSG0000	0.108943	1.247525	0.56676	0.578084	0.684825	-6.09073	1.927307	1.591918	1.585853	1.888135	1.864131	1.840725	1.389995	1.430416	1.962896	1.814181	1.725977	1.248523	2.270712	2.169719	2.10048	1.880661	1.851139	1.504318
TCF4	ENSG0000	1.232957	3.10295	6.354232	6.32E-06	8.98E-05	4.086433	3.128595	2.802095	2.933559	4.97738	4.801196	4.839695	4.348988	4.569092	4.578115	1.865926	2.437987	2.104662	2.940139	2.974074	2.95373	2.479639	2.447571	2.397196
WNK3	ENSG0000	0.582485	1.855943	3.739969	0.001565	0.006675	-1.26007	1.069823	1.173893	1.088647	1.840866	2.155834	1.919272	2.01302	1.491012	1.564539	2.650221	3.055486	2.660429	2.822733	3.009215	3.042931	3.181381	3.138674	3.215882
SDHAF3	ENSG0000	-0.01641	4.324755	-0.20835	0.837364	0.889247	-7.06061	4.467563	4.614695	4.326715	4.299384	4.13	3.91707	4.504297	4.68386	4.764393	4.663802	4.532919	4.566525	4.097807	4.1851	4.114488	4.311095	4.512957	4.477932
HRH1	ENSG0000	0.198672	4.190187	4.102112	0.000706	0.003529	-0.941	3.385444	3.58855	3.565652	3.605613	3.574682	3.572823	3.719464	3.82184	3.759121	4.889966	4.77459	4.821051	4.99179	4.919664	5.036727	4.958973	5.018332	5.004109
RABL6	ENSG0000	-0.08112	4.778245	-1.20812	0.243093	0.355908	-6.42528	4.829349	4.653851	4.817878	4.790984	4.933626	4.656929	4.744844	4.741115	4.934903	4.803043	4.905185	5.089246	4.895737	4.931925	4.920894	4.780845	4.870969	4.670683
ZNF136	ENSG0000	-0.00992	3.197354	-0.13105	0.897232	0.931536	-6.83771	3.262728	3.100202	3.133821	2.97776	2.660129	2.697781	3.457463	3.141256	3.289427	3.798946	3.860515	3.685623	3.388755	3.375198	3.509921	3.737235	3.743163	3.591857
ZKSCAN5	ENSG0000	0.301887	4.579524	5.087392	8.40E-05	0.000662	1.239266	4.888652	4.80064	4.749122	5.209091	5.079986	5.203674	5.157514	5.201716	5.092354	4.14101	3.953305	3.986493	4.499582	4.484656	4.351192	4.189932	4.343431	4.255399
ZNF502	ENSG0000	0.156307	1.300617	1.465635	0.160507	0.257879	-5.88349	0.216396	0.499412	0.421314	0.841981	0.25478	0.2349	0.548589	0.253663	0.515351	4.505601	4.443776	4.324649	4.63635	4.509412	4.584502	4.588279	4.534411	4.541628
TRAPPC4	ENSG0000	0.036378	5.800914	0.888454	0.386361	0.508213	-6.93658	5.525735	5.708855	5.7295	5.918767	5.821441	5.880161	5.609312	5.740142	5.605699	5.808398	5.793771	5.794563	6.114958	6.126279	6.130742	5.865084	5.851038	5.872323
AC004057.	ENSG0000	-0.27048	1.309646	-1.95518	0.066745	0.130245	-4.51174	2.137484	2.09705	2.166567	2.063099	1.817192	1.757653	2.01302	1.901414	1.674905	1.98771	1.55885	1.780195	1.548989	1.819936	1.51998	1.734264	1.478665	1.703111
TTC30B	ENSG0000	0.037469	3.376637	0.381606	0.707353	0.791797	-6.70486	3.633432	3.57841	3.466347	3.766043	3.47236	3.744443	3.490873	3.446787	3.543305	3.284659	3.269103	3.195594	3.575762	3.78648	3.957004	3.333216	3.422593	3.30423
TECPR2	ENSG0000	0.14244	5.33208	2.825956	0.011426	0.032308	-3.83639	4.450796	4.406929	4.58523	4.910272	5.089893	5.230878	4.681143	4.603806	4.6676	5.793443	5.793771	5.815673	6.318418	6.290015	6.316627	6.010007	5.951743	5.793844
LINC00173	ENSG0000	-0.32354	-0.28586	-0.43698	0.66748	0.760979	-5.77603	2.080492	2.206444	2.079636	1.326771	0.828511	1.310092	2.340763	2.069791	2.501332	0.34397	0.748206	0.230035	0.701742	1.032323	0.957066	0.106501	0.358227	0.214669
ZFP62	ENSG0000	-0.13341	5.106329	-3.05405	0.007006	0.021884	-3.33296	4.707601	4.881217	4.749122	4.707799	4.635214	4.751204	4.666597	4.59002	4.534865	5.573767	5.624209	5.682768	5.628298	5.717306	5.687638	5.564682	5.489561	5.528997
ERI2	ENSG0000	-0.00039	4.58408	-0.00768	0.993958	0.995661	-7.14104	4.917414	4.83937	4.892035	4.448742	4.240862	4.365821	4.80585	4.855002	4.72003	4.735102	4.696209	4.700729	4.283307	4.381153	4.402656	4.736662	4.76606	4.836464
TOMM7	ENSG0000	-0.06924	6.940713	-1.26784	0.221486	0.331298	-6.63156	7.960279	7.949957	7.879695	7.666741	7.753167	7.640935	7.767542	7.803531	7.822426	6.031553	6.056844	6.120146	6.113917	6.176092	6.213527	6.122199	6.054811	6.058025
HSH2D	ENSG0000	0.148732	0.737513	0.979622	0.340639	0.461497	-6.3294	0.667115	0.499412	0.512639	0.106501	0.25478	0.3528	0.415731	0.253663	0.106501	3.895476	3.884278	3.91004	3.475595	3.606961	3.502077	4.103106	4.273707	4.044405
TRPV1	ENSG0000	-0.49462	2.083881	-2.91761	0.009395	0.027677	-2.84638	3.183753	2.819419	3.190238	2.714828	2.970101	3.016392	2.376953	2.108984	2.643847	2.18395	1.875739	1.877881	2.145912	2.344993	2.416453	1.734264	1.878239	2.033602
ZNF33B	ENSG0000	0.384261	3.917931	5.498942	3.55E-05	0.000339	2.235473	3.919992	3.944869	3.93931	4.59836	4.594038	4.702062	4.034706	4.273815	4.288067	3.255856	3.463043	3.318995	4.126992	4.230476	4.297823	3.812139	3.713375	3.805852
PDXDC2P-I	ENSG0000	-0.2995	-0.48231	-0.77364	0.449484	0.569921	-5.8521	0.106501	0.316291	0.512639	0.52061	0.106501	0.909432	0.548589	0.253663	0.256032	2.033684	1.875739	1.538714	2.385571	2.016959	2.014873	1.177011	1.513652	1.58715
ZNF512B	ENSG0000	0.176105	6.558039	3.574464	0.002251	0.008877	-2.41895	5.636146	5.421814	5.625931	5.938549	6.106488	5.986596	5.801308	5.836697	5.961941	7.162915	7.208169	7.2933	7.52378	7.431839	7.477561	7.333913	7.336632	7.286788
AMZ2	ENSG0000	-0.45042	6.799159	-6.6239	3.74E-06	5.96E-05	4.072121	7.721973	7.770091	7.695853	7.142341	7.003803	6.988027	7.098998	7.104543	7.01122	6.54055	6.47291	6.542807	6.217367	6.255066	6.19053	6.295367	6.28234	6.307429
ZNF431	ENSG0000	-0.22573	4.28314	-1.62265	0.122563	0.209438	-5.87632	3.114469	3.428416	3.334887	3.237064	2.926537	3.26222	3.405851	3.232814	3.357206	5.346754	5.403536	5.166672	6.217367	6.110184	6.232614	4.947942	5.112633	5.059556
NF1	ENSG0000	0.065567	7.118063	1.072955	0.297883	0.416814	-6.91977	6.791116	6.887048	6.921591	7.040106	6.986671	7.221967	7.078541	7.058986	6.964447	7.329405	7.411962	7.110948	7.238754	7.223824	7.270374	7.246026	7.178696	7.358547
VKORC1L1	ENSG0000	0.128567	6.534169	1.994977	0.061878	0.122765	-5.534	6.764225	6.814386	6.769044	7.196155	7.045128	7.051527	7.045194	6.987177	6.897731	6.13667	6.219803	6.140957	6.04678	6.015426	6.120533	6.22172	6.206853	6.237028
ZNF418	ENSG0000	0.043835	-0.02356	0.522902	0.607608	0.709882	-6.67687	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	4.082065	4.097507	4.083875	4.126992	4.169652	4.237689	4.180538	4.071361	4.029672
DAPK1	ENSG0000	-0.30222	5.42122	-4.42998	0.000345	0.002004	-0.44383	3.613482	4.006672	3.65856	4.290615	4.416469	4.499659	3.219115	3.232814	3.104585	7.151232	7.094351	7.157892	7.549799	7.524318	7.571438	6.911119	6.815783	6.933118
COL27A1	ENSG0000	-0.60395	-0.21345	-1.72292	0.102549	0.18237	-4.5925	4.192962	4.318312	4.429894	3.308302	3.278066	3.152687	3.853933	3.659726	3.586306	0.190076	0.185134	0.106501	0.171976	0.190544	0.106501	0.257084	0.106501	0.106501
LINC01560	ENSG0000	-0.00656	0.653213	-0.0364	0.971376	0.981506	-6.21471	1.336422	0.940485	0.964748	1.256461	1.087782	1.123626	1.160105	0.726566	1.314712	1.676063	1.967585	1.631268	1.755315	1.681564	1.550722	1.85727	1.90484	1.461048
GM2A	ENSG0000	0.045986	5.629258	0.359906	0.723229	0.803935	-7.14236	6.218111	6.308632	6.122779	7.289336	7.206364	7.207367	6.106247	6.225736	6.148055	4.592639	4.5846	4.643544	4.996315	4.988782	4.958638	4.76522	4.833383	4.784756
H2AC13	ENSG0000	-0.28783	0.161522	-0.88235	0.389562	0.511244	-5.81243	0.667115	0.736739	0.829201	0.52061	0.512209	0.3528	0.670238	0.726566	0.256032	1.616888	1.55885	1.585733	3.031169	2.784257	2.976553	1.512637	1.478665	1.370407
S100A2	ENSG0000	0.060777	4.410301	0.42782	0.674007	0.765236	-7.22885	4.25866	3.944869	4.087767	1.791994	1.864131	1.993763	2.832807	3.102941	2.697131	6.49506	6.473889	6.592576	5.042999	5.223832	5.023089	6.899715	6.833199	6.776472
SNHG17	ENSG0000	-0.12815	6.24765	-1.6712	0.112489	0.19577	-6.04914	6.66474	6.654655	6.644597	5.977316	6.054313	5.940258	6.479338	6.584928	6.61584	6.226009	6.179557	6.356252	6.067359	5.927843	6.128197	6.116053	6.128608	6.068874
ZNF700	ENSG0000	-0.03389	-0.69142	-0.39737	0.695907	0.782532	-6.47404	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.0698	3.116952	3.117748	2.940139	3.173121	3.085545	2.990321	2.972579	3.107809
CD47	ENSG0000	0.269848	6.328613	2.163554	0.04462	0.094803	-5.23262	5.285277	5.424646	5.277754	6.20204	6.071915	6.035905	5.863212	5.839612	5.690258	6.382982	6.40266	6.450559	7.863348	7.899634	7.882132	6.58869	6.565785	6.566681
TLE1	ENSG0000	-0.19415	5.621239	-3.36857	0.003535	0.012761	-2.7344	5.015692	4.99613	5.060398	5.44865	5.387689	5.387592	4.730929	4.482206	4.764393	6.152384	6.015748	6.271613	6.622061	6.613925	6.711277	6.09995	6.05035	5.973944
MAML3	ENSG0000	0.598643	4.406572	3.59708	0.002142	0.008525	-1.80108	5.300954	5.39028	5.347631	6.765786	6.746323	6.679347	6.15656	5.954347	5.931692	2.790717	2.889287	2.855308	3.181815	3.088026	2.99902	3.152846	3.046116	3.079476
H2AC11	ENSG0000	-0.19581	-0.22273	-1.08433	0.292952	0.411653	-5.90172	0.216396	0.316291	0.106501	0.106501	0.389229	0.3528	0.106501	0.106501	0.106501	2.966925	2.877496	3.068941	3.281595	3.338827	3.299771	3.001034	2.741225	2.912845
STRN3	ENSG0000	0.378856	5.279107	7.720026	4.92E-07	1.24E-05	6.279443	4.969353	4.881217	4.866295	5.1029	4.966263	4.772519	5.262806	5.306587	5.342774	5.435051	5.452044	5.38509	5.506677	5.510085	5.640184	5.742772	5.812922	5.767446
ZNF239	ENSG0000	-0.27002	3.943735	-3.03187	0.007349	0.022702	-3.15632	3.911847	4.12286	4.050156	3.619685	3.441741	3.377995	3.523527	3.685883	3.271973	4.455814	4.45572	4.533928	4.444342	4.354074	4.372859	4.285035	4.293974	4.551975
CTBP1-DT	ENSG0000	0.020764	5.084748	0.177087	0.861476	0.907061	-7.21783	4.859306	4.822285	4.925655	5.259393	5.253089	5.272617	4.792514	4.753535	4.758139	5.328427	5.413777	5.380097	5.034222	5.074229	5.034009	5.526265	5.51784	5.311765
ZSCAN16	ENSG0000	0.627852	2.115437	3.536585	0.002446	0.009525	-1.67126	1.475543	1.508929	1.30847	2.393052	2.078331	2.064596	2.513265	2.420731	2.588518	2.392392	2.618839	2.447834	3.520276	3.320292	3.462206	2.77004	2.649824	2.706008
MVB12B	ENSG0000	-0.5156	4.396514	-6.19355	8.67E-06	0.000115	3.550292	5.233934	5.272573	5.258094	4.555081	4.871804	4.707606	4.445869	4.944392	4.694053	4.364327	4.415514	4.197974	4.033205	3.903166	3.849837	3.743628	3.967936	3.999746
ILRUN	ENSG0000	0.063683	6.745182	1.063765	0.301912	0.421045	-6.90424	6.172821	6.12924	6.1372	6.475936	6.486179	6.410303	6.276361	6.293224	6.329849	7.297962	7.25278	7.247887	7.148619	7.116462	7.122177	7.300157	7.279969	7.198156
ADA	ENSG0000	-1.05909	3.7867	-4.65854	0.00021	0.001349	0.537045	6.061262	6.043381	6.095343	4.701197	4.594038	4.48682	4.56045	4.715948	4.654189	2.722179	2.741	3.052298	2.802201	2.784257	2.330481	2.744769	2.770449	2.928814
ARID5A	ENSG0000	0.133934	2.939371	1.517062	0.14713	0.240953	-5.73244	2.19231	2.206444	2.579475	2.103714	2.57804	2.532704	1.966276	2.481727	2.127218	3.87036	3.913441	4.008229	3.937609	3.964133	4.007743	4.132632	4.178806	4.058989
PPTC7	ENSG0000	-0.15675	6.025882	-2.27687	0.035628	0.079302	-4.98119	6.35807	6.323886	6.229267	6.365449	6.166236	6.311829	6.244885	6.092752	6.101877	5.984048	6.086595	6.050624	5.571804	5.652103	5.682442	5.844414	5.946952	5.868189
NHLRC2	ENSG0000	0.011086	5.101138	0.116379	0.908679	0.939551	-7.17889	5.578142	5.523092	5.547119	5.720837	5.654575	5.788972	5.590171	5.560947	5.504708	4.85838	4.899366	4.64632	4.502766	4.420842	4.398437	4.796302	4.664642	4.985143
ZFP28	ENSG0000	0.71463	3.208602	7.370443	9.24E-07	2.01E-05	5.875637	2.369288	2.232543	2.274882	2.633943	2.398361	2.719893	2.908934	2.702788	2.915195	3.614613	3.786782	3.543997	4.577158	4.722029	4.677975	4.332457	4.328771	4.311289
CRACDL	ENSG0000	0.358911	0.28454	1.579678	0.132107	0.22159	-5.27852	0.318509	0.316291	0.106501	0.635873	0.625525	0.461789	0.415731	0.106501	0.106501	2.494552	2.946841	2.806521	3.819988	3.858903	3.593499	3.209363	3.193646	3.006111
CBWD3	ENSG0000	-0.37024	1.24554	-2.50446	0.022425	0.055097	-3.49753	2.589523	2.61635	2.492412	2.21912	2.229385	2.258349	2.186178	2.357042	2.047395	1.315703	1.435603	1.360915	1.248697	1.2438	1.390007	1.214313	1.547811	0.93723
LAMB3	ENSG0000	-0.33036	7.040391	-3.8948	0.001113	0.005091	-1.80225	5.797357	5.858816	5.854773	4.827817	5.019069	4.798728	5.213624	5.048863	4.967798	9.296446	9.225343	9.357459	8.225193	8.081575	8.160544	9.172928	9.142443	9.074065
H2BU1	ENSG0000	0.398354	-0.3332	1.02526	0.319222	0.438938	-5.57087	0.318509	0.106501	0.219246	0.841981	0.389229	0.746642	0.106501	0.509405	0.735084	1.423238	1.112482	1.158083	3.388755	3.38415	3.629946	1.45147	1.289746	1.058313
KPNA5	ENSG0000	0.687503	2.405229	4.49138	0.000302	0.001801	0.349212	2.245129	2.425906	2.221741	2.91067	2.811499	3.016392	2.933443	3.083395	3.271973	2.444376	2.338281	1.951531	2.566893	3.020741	2.98783	2.417026	2.601856	2.84714
ANKRD36B	ENSG0000	0.202074	0.628973	1.173322	0.256409	0.371305	-5.45707	1.755904	1.277811	1.406977	1.457877	1.437317	1.367251	1.648695	1.760835	1.445026	1.073118	1.335727	1.094478	1.088368	1.428204	1.456457	1.286141	1.16325	1.322858
ARHGEF12	ENSG0000	0.041816	7.273736	0.73224	0.473727	0.593105	-7.23614	7.025253	6.974705	7.021175	7.416698	7.363681	7.515387	7.12583	7.30876	7.109075	7.372529	7.439791	7.207119	7.480016	7.470701	7.47906	7.238124	7.249808	7.303726
HCAR1	ENSG0000	-0.3885	0.756179	-4.2942	0.000464	0.00254	-0.52194	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.256032	5.74935	5.583055	5.63047	5.50191	5.44741	5.455539	5.235596	5.16584	5.271631
ZNF252P	ENSG0000	0.465579	5.483848	8.698483	9.21E-08	3.45E-06	7.96902	4.410898	4.424018	4.453135	5.325276	5.029402	5.187896	5.08826	5.028565	5.121883	5.751071	5.892276	5.760389	6.489493	6.46157	6.466232	6.141692	6.171688	6.171428
PDLIM7	ENSG0000	-0.40407	6.590614	-2.26227	0.036685	0.081234	-5.12239	6.627923	6.596806	6.737446	5.199754	5.399687	5.349094	5.356409	5.132077	5.431918	7.43489	7.460193	7.672216	7.217591	7.178235	7.189046	7.761188	7.677156	7.557823
FLNA	ENSG0000	0.287745	10.02674	3.609868	0.002083	0.008346	-2.58658	9.334567	9.301821	9.375547	9.484573	9.701659	9.552397	9.358814	9.330961	9.319241	10.39359	10.40094	10.42222	10.6528	10.53712	10.58351	10.96166	10.91777	10.88023
SRGAP1	ENSG0000	-0.48028	5.327951	-4.17448	0.000603	0.003113	-0.90715	6.099415	6.134441	6.146141	5.171375	5.128856	5.215396	5.856819	5.986272	5.983548	5.44146	5.368161	5.487683	4.838914	4.9104	4.79173	4.691084	4.641102	4.7174
FAM3C	ENSG0000	-0.10285	7.366462	-2.47277	0.023937	0.058032	-4.7983	6.731048	6.734449	6.635737	6.178467	6.145011	6.044692	6.679152	6.748989	6.678454	8.578532	8.569845	8.568799	7.700588	7.785186	7.810504	8.343367	8.405563	8.453766
NOP9	ENSG0000	-0.27529	6.30379	-6.23952	7.92E-06	0.000107	3.306339	5.621238	5.680694	5.656289	5.241304	5.438974	5.268872	5.282018	5.192623	5.256657	7.395819	7.334835	7.376294	7.242569	7.145706	7.238273	7.169154	7.106048	7.230726
SLC39A10	ENSG0000	1.209433	4.851387	8.213113	2.08E-07	6.26E-06	7.271766	4.820675	4.701347	4.504099	5.521661	5.454395	5.566032	6.254643	6.381898	6.289216	3.968304	4.051023	3.95997	4.245787	4.484656	4.423569	4.481413	4.538664	4.72199
CASP4	ENSG0000	-0.02489	6.126321	-0.17081	0.866338	0.909951	-7.38413	6.208169	6.122277	6.153254	5.775282	5.600158	5.713835	6.143489	6.080481	6.056723	6.130072	6.089154	6.069355	6.72654	6.67811	6.758132	6.084924	6.127197	6.146038
AP2A1	ENSG0000	0.211009	6.482275	3.688291	0.001753	0.00729	-2.13051	6.031501	6.074377	6.069258	6.901559	6.966647	6.844446	6.217704	6.157275	6.202046	6.190934	6.321217	6.390586	7.062761	6.931152	6.938226	6.666451	6.553228	6.469044
ZNF585A	ENSG0000	0.6631	3.802678	5.098729	8.20E-05	0.000649	1.346851	3.593253	3.370829	3.607684	3.181227	3.734793	3.643939	4.31208	4.45204	4.444269	3.702624	3.811781	3.608031	4.002038	4.235431	4.160062	4.036981	4.216457	4.255399
FUT11	ENSG0000	0.237795	3.61492	1.22425	0.237104	0.349052	-6.02221	4.553837	4.604738	4.720675	4.88719	4.614773	4.839695	4.737903	4.728586	4.726452	2.856146	3.116952	2.855308	2.193986	2.269709	2.058312	3.374993	3.366281	3.328509
ANXA4	ENSG0000	-0.34158	6.509578	-3.33336	0.003818	0.013576	-2.87664	6.89806	6.892174	6.86206	7.130104	7.183413	7.134125	6.15656	6.241253	6.133632	6.023031	5.962327	6.049576	6.957029	6.905735	6.898444	6.047952	6.0111	5.994954
LAGE3	ENSG0000	0.050492	4.873119	0.638042	0.531717	0.644587	-6.92966	5.350006	5.328095	5.387386	5.087795	5.3917	5.215396	5.282018	5.268148	5.338588	4.266643	4.45572	4.578198	4.540442	4.811013	4.569568	4.654234	4.645052	4.483349
WDR5B	ENSG0000	0.057387	3.439593	0.90032	0.380188	0.502274	-6.41821	2.996191	3.042358	3.06005	3.714523	3.588725	3.572823	3.277716	3.232814	3.143496	3.681119	3.66174	3.613714	4.257146	4.240369	4.368551	3.581796	3.644015	3.68882
WDR45	ENSG0000	0.395561	5.61599	4.748604	0.000173	0.001167	0.3023	5.319544	5.224615	5.290713	5.737065	5.827376	5.719334	5.661594	5.636658	5.670411	5.180457	5.263327	5.342946	6.238533	6.250178	6.300889	5.66239	5.761087	5.557523

METTL9	ENSG0000	0.401124	6.807019	3.086702	0.006529	0.020802	-3.44645	6.938712	7.063715	6.863145	7.289336	7.265475	7.359493	7.793714	7.867781	7.84989	6.326388	6.354561	6.425738	6.17108	6.227976	6.270045	6.329765	6.170318	6.219283
ZNF138	ENSG0000	0.036935	2.634649	0.513756	0.613856	0.715304	-6.66929	1.927307	2.039077	2.138168	2.143217	1.864131	1.956998	2.058296	2.220554	2.239236	3.882973	3.668598	3.848714	3.697489	3.479115	3.600863	3.836267	3.750515	3.805852
ZNF429	ENSG0000	0.218583	2.023097	2.054407	0.055203	0.112018	-4.58007	1.719036	1.591918	1.499186	2.063099	1.996426	2.22781	1.816207	1.945386	2.202855	2.708071	2.792142	2.649405	3.039964	3.152313	2.965187	2.782512	2.634012	2.960231
ZNF470	ENSG0000	0.376738	3.719395	5.877365	1.63E-05	0.000187	2.890743	2.780548	2.76681	2.300736	3.083078	2.926537	2.998412	3.004565	2.916694	3.181386	4.549776	4.735932	4.542892	4.936342	4.9104	4.947129	4.9115	4.920695	5.004109
SERTAD1	ENSG0000	-0.09705	4.714889	-1.15781	0.26252	0.37841	-6.48797	4.579773	4.538284	4.453135	4.63346	4.681813	4.685302	4.462805	4.703199	4.633836	5.074478	5.105486	5.185873	4.886014	4.729072	4.817241	5.039116	5.021374	4.651565
ZNF100	ENSG0000	0.164333	2.6293	2.105296	0.050013	0.103642	-4.81368	1.894617	1.947501	2.018628	1.457877	1.556428	1.623325	2.340763	2.623806	2.309357	4.03198	3.997554	3.982106	3.456014	3.436722	3.578659	4.026533	4.156841	4.007286
EOLA2	ENSG0000	-0.09989	5.090749	-1.71385	0.104235	0.184493	-5.78864	5.544295	5.493717	5.571218	4.949796	5.257491	5.131272	5.32896	5.400404	5.451432	4.966032	5.038233	4.994418	4.871306	4.746531	4.848508	4.897235	5.042491	4.890466
ZNF398	ENSG0000	0.318311	4.932773	5.515979	3.42E-05	0.000331	2.032676	4.859306	4.724521	4.671981	5.015132	4.883243	5.055043	5.141824	5.164994	5.274297	4.769473	4.964909	4.890578	4.959705	4.947106	5.079521	5.08263	5.042491	5.133766
ZSCAN25	ENSG0000	-0.09909	5.033674	-0.99834	0.331736	0.451886	-6.71148	5.552176	5.536248	5.506038	4.674482	4.782991	4.798728	5.228555	5.310795	5.102264	4.933056	4.956526	5.024594	4.938696	4.875912	5.020346	5.105146	5.030462	5.048636
ANXA6	ENSG0000	0.462911	3.041094	2.559066	0.020028	0.050364	-3.4615	6.104784	6.13617	6.196933	6.667608	6.637387	6.502484	6.57201	6.642827	6.605426	0.88529	0.524532	0.726056	1.308151	0.888753	1.17005	1.058946	0.637375	0.872651
ZNF441	ENSG0000	-0.06003	-0.86205	-0.51532	0.612786	0.71429	-6.34077	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.047564	2.817048	2.724859	2.911671	2.596763	2.618601	2.75746	2.568968	2.896697
GMFB	ENSG0000	-0.27408	6.595837	-6.02097	1.22E-05	0.000149	2.85854	6.546092	6.50744	6.542653	6.534673	6.395223	6.351321	6.247331	6.353622	6.167064	6.901402	6.89458	6.848955	6.903821	7.00119	6.954124	6.567226	6.594666	6.69361
ZNF420	ENSG0000	1.188286	3.744305	8.860206	7.06E-08	2.85E-06	8.434356	2.798329	2.76681	2.492412	3.875646	4.009905	3.75519	4.154215	4.332946	4.436456	3.536933	3.431133	3.432666	4.577158	4.660731	4.496442	4.245042	4.283876	4.280507
ZMYM1	ENSG0000	-0.47225	3.949486	-6.14699	9.51E-06	0.000124	3.474294	4.467563	4.710662	4.48167	3.533117	3.602632	3.560621	4.068294	3.967564	3.759121	4.443094	4.390842	4.352105	3.773284	3.717329	3.760608	3.967679	4.07722	4.190648
ZSCAN26	ENSG0000	0.294443	2.740798	2.622729	0.017541	0.045334	-3.65694	2.762544	3.042358	2.514675	3.083078	2.520598	2.763128	2.858632	3.102941	3.104585	2.955028	2.969234	2.766268	2.968056	3.077028	3.147195	2.979529	3.171908	3.328509
MAFG	ENSG0000	-0.33288	6.714768	-3.62214	0.002027	0.008168	-2.3244	7.304145	7.289507	7.3329	6.097824	6.243717	6.102644	7.250545	7.216444	7.175119	7.071519	6.974934	7.064503	6.247104	6.107484	6.173346	6.506498	6.49533	6.481278
ARRDC1	ENSG0000	-0.0748	4.941632	-0.47929	0.637671	0.735949	-7.11913	4.929567	4.909804	5.018167	4.152252	4.56592	3.964146	4.235306	4.166444	4.270596	5.159875	5.290258	5.417941	5.718713	5.710205	5.761774	5.621323	5.574859	5.420236
KIAA1671	ENSG0000	0.098949	5.478977	1.117513	0.278901	0.396209	-6.6855	4.740165	4.897622	4.892035	5.199754	5.338674	5.268872	4.552561	4.583078	4.505294	5.919702	6.072443	5.841329	6.266905	6.281656	6.2804	6.281155	6.210856	6.151152
IGF2R	ENSG0000	0.37995	8.40924	1.876337	0.07741	0.146596	-5.86624	8.887481	8.895666	9.015354	9.974693	9.980748	10.20342	9.766669	9.680882	9.757186	7.460361	7.57004	7.359481	7.007785	6.955378	7.044652	7.355986	7.230221	7.328767
DYNC1H1	ENSG0000	-0.02111	9.494075	-0.18836	0.852763	0.900859	-7.63526	9.56351	9.645359	9.781275	10.09399	10.03608	10.38326	10.03327	9.859198	9.908873	9.258834	9.449586	8.930033	9.150573	9.025527	9.145764	8.913684	8.863348	8.890553
PCBP2	ENSG0000	-0.12856	7.619647	-3.22437	0.004843	0.016457	-3.23874	8.176691	8.122132	8.13769	7.827694	7.73118	7.802486	8.033645	8.043699	8.080436	7.454563	7.351979	7.361593	7.130205	7.134477	7.22523	7.206078	7.200333	7.275124
ZGPAT	ENSG0000	0.031803	2.276424	0.231122	0.819904	0.876587	-6.61726	2.165157	2.356396	2.351095	1.933905	2.155834	1.575618	1.867984	1.710758	2.127218	2.763691	3.15652	3.133657	3.100071	3.263212	3.167173	3.341669	3.093137	3.215882
SLC25A29	ENSG0000	-0.0452	4.178339	-0.55603	0.585241	0.690946	-6.79454	3.801557	3.8803	3.845818	4.833866	5.099733	4.72411	3.866715	3.773871	4.112876	3.864012	4.195737	4.050743	4.964332	4.953134	5.014844	3.894879	3.999132	3.856822
PGAP1	ENSG0000	-0.23235	4.463974	-2.61809	0.017712	0.045701	-3.97912	5.2241	5.281977	5.325763	5.342348	4.992907	5.363212	5.009762	5.164994	5.126746	3.950439	4.301006	3.990867	3.697489	3.752319	3.773698	3.70484	3.779553	3.906054
SRC	ENSG0000	0.064056	7.283	0.54013	0.595923	0.699422	-7.28141	8.514873	8.513662	8.54133	9.006004	9.137965	8.994496	8.394661	8.285795	8.341677	5.806744	5.708155	5.688165	5.98094	6.01974	5.949395	6.162119	6.148223	6.156248
ZNF682	ENSG0000	0.053666	-0.70194	0.628373	0.537885	0.649851	-6.36275	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.102524	3.086546	3.240362	2.812503	2.888589	2.821313	3.133504	3.116085	3.215882
ZNF772	ENSG0000	0.104905	3.654346	1.430326	0.170258	0.269743	-6.14995	2.416107	2.356396	2.221741	2.063099	1.817192	1.880533	2.576877	2.848856	2.274723	5.384942	5.380746	5.366698	5.458289	5.48534	5.378375	5.442295	5.422105	5.515842
PCNX3	ENSG0000	0.214145	6.879908	3.552062	0.002365	0.009258	-2.48983	5.872723	5.940257	6.040775	6.55861	6.725819	6.660892	6.360105	6.075543	6.265158	7.293245	7.35464	7.325688	7.787693	7.699482	7.668366	7.552201	7.553892	7.354858
LRRC8B	ENSG0000	0.940423	3.991192	8.330245	1.71E-07	5.45E-06	7.513954	2.688195	2.784561	3.190238	4.103016	3.923901	4.113606	3.788265	3.659726	3.856018	4.125171	4.331577	3.977706	4.586193	4.746531	4.775553	4.96719	4.962447	5.119922
ABCB8	ENSG0000	0.600721	4.681404	5.010718	9.88E-05	0.000751	1.113273	4.981078	4.889442	5.11242	5.875441	6.173243	5.958972	5.81126	5.842522	5.88366	3.831846	3.70241	3.636224	4.097807	4.10615	4.14503	3.934535	3.779553	3.753014
SND1	ENSG0000	0.1545	8.068086	3.748259	0.001536	0.00658	-2.13423	8.601928	8.607025	8.641468	8.392815	8.465535	8.46524	8.659499	8.639093	8.666201	7.472409	7.472982	7.570329	7.477591	7.377405	7.480558	7.793897	7.764626	7.78371
ZNF785	ENSG0000	0.300514	-0.42812	4.037766	0.000813	0.003963	-0.7061	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.196464	3.146729	3.203153	3.979357	4.011117	3.985412	3.415594	3.413359	3.487904
PSMD12	ENSG0000	-0.20053	7.355167	-5.84304	1.75E-05	0.000197	2.41687	7.472112	7.420868	7.410643	6.902998	6.800118	6.88904	7.084024	7.249704	7.252803	7.789135	7.763437	7.786059	7.261962	7.335332	7.302905	7.603624	7.600405	7.634682
MAGEA6	ENSG0000	-0.11311	4.60114	-2.0555	0.055086	0.11186	-5.35265	2.27083	2.49222	2.274882	2.548252	2.71237	2.581827	1.966276	2.069791	2.274723	7.292655	7.183841	7.318312	7.137906	7.107706	7.135548	7.155435	7.150491	7.193206
CH17-340I	ENSG0000	-0.1288	1.338587	-0.65872	0.518658	0.633555	-6.00772	1.990546	2.152784	2.351095	2.714828	2.490996	2.374422	2.01302	1.85606	1.826075	1.490718	1.300837	1.759838	1.573426	1.357245	1.390007	1.542275	1.442809	1.81044
MIRLET7BI	ENSG0000	0.122954	0.470505	0.569213	0.576454	0.683804	-5.9643	0.947665	1.226787	1.453818	1.104644	1.164793	1.188496	1.074544	1.367163	0.925731	0.88529	1.498542	1.305813	1.644349	1.528499	1.695314	1.214313	1.478665	1.504318
NOL4L	ENSG0000	-0.1694	4.693587	-3.05939	0.006926	0.021741	-3.17425	4.416666	4.389636	4.222364	5.067404	5.212855	5.041937	4.079318	4.212157	4.17992	4.735102	4.699561	4.665597	5.696635	5.677811	5.598492	4.522885	4.559742	4.582581
CYSRT1	ENSG0000	0.097402	3.20986	0.576776	0.571445	0.680071	-6.98033	2.416107	2.49222	2.37563	0.934951	0.92021	1.367251	1.588238	1.658879	1.38134	4.977839	5.113047	5.40489	5.75121	5.672341	5.638396	5.501961	5.398901	5.246367
SLC22A4	ENSG0000	0.939021	3.141978	2.606687	0.018139	0.046507	-3.58508	3.373632	3.248262	3.204003	5.90734	5.847955	5.911724	4.367093	4.349405	4.296723	2.100009	2.011405	2.136592	2.371704	2.127698	2.449456	2.384669	2.48331	2.06284
ENTPD4	ENSG0000	-0.17853	6.383317	-3.65403	0.00189	0.00774	-2.19958	6.34754	6.328431	6.347162	6.655706	6.463496	6.693385	6.073542	6.104921	6.181159	6.469154	6.502	6.393892	6.569879	6.576342	6.593489	6.398222	6.251582	6.271876
C1D	ENSG0000	-0.01822	4.577081	-0.26662	0.792885	0.855989	-7.10811	4.640181	4.668265	4.621585	4.161901	4.284653	4.434292	4.889651	4.849227	4.860948	4.883704	4.908086	4.857431	4.344933	4.54975	4.448272	4.687772	4.676269	4.735671
TBC1D9B	ENSG0000	0.059991	7.816372	1.983187	0.063286	0.124758	-5.68878	7.663143	7.686999	7.725981	7.862874	7.958398	7.917578	7.80455	7.707049	7.769769	7.767191	7.792376	7.785745	8.003424	7.960373	7.909816	7.863787	7.844521	7.79028
KANK2	ENSG0000	0.097696	6.423998	1.304029	0.209137	0.31608	-6.5506	6.547407	6.514105	6.529047	6.895788	6.957206	6.741468	6.415526	6.427182	6.433574	5.873048	5.889343	5.946395	6.738746	6.744783	6.748219	6.20676	6.198814	6.144329
EIF4BP6	ENSG0000	-0.51503	0.929053	-2.98416	0.008145	0.024656	-2.56398	1.927307	1.915637	1.853768	1.888135	1.953662	1.422231	1.317361	1.760835	1.674905	1.646779	1.616737	1.360915	1.392977	1.681564	1.284217	1.058946	1.289746	1.222783
C6orf141	ENSG0000	-0.36161	0.47336	-3.00294	0.007822	0.023898	-2.89491	0.41387	0.410755	0.323815	0.52061	0.25478	0.2349	0.269385	0.253663	0.256032	3.825326	3.7289	3.829308	2.55467	2.581279	2.689384	3.43152	3.476789	3.591857
GTF2E2	ENSG0000	-0.08371	5.92833	-1.47858	0.157049	0.25364	-6.3078	5.879004	5.969649	6.054137	5.532858	5.411586	5.441817	5.566862	5.708593	5.735532	6.325233	6.2349	6.310622	6.004721	5.955131	5.960886	6.361285	6.368479	6.336153
RAD54B	ENSG0000	-0.38747	1.242311	-1.71497	0.104025	0.18419	-4.97277	1.959273	2.039077	1.987129	1.393812	1.666451	1.526279	1.762502	1.809233	1.918715	2.510897	2.646894	2.522234	0.869014	0.7293	1.002253	2.154563	2.124453	2.14716
ZNF165	ENSG0000	-0.22031	1.575668	-1.7551	0.096753	0.174217	-5.08335	1.602421	1.744817	1.146821	1.256461	1.006428	1.310092	0.983587	1.367163	1.50602	2.918737	2.829342	3.210672	2.602951	2.770668	2.703134	2.855159	2.799093	2.84714
SYNGAP1	ENSG0000	0.277068	3.417367	2.608509	0.01807	0.046373	-3.92437	2.833249	2.403106	3.217639	2.933382	2.904251	3.016392	3.004565	2.676938	2.471058	3.926269	4.035189	3.872611	4.709837	4.682664	4.684921	4.32821	4.348284	4.242679
FITM2	ENSG0000	-0.22307	4.913738	-2.99896	0.00789	0.024031	-3.34573	5.170492	5.144404	5.101429	5.180897	5.442845	5.215396	5.238424	5.083711	5.126746	4.960093	4.842882	4.83328	4.863895	4.850301	4.903135	4.537676	4.357943	4.488745
BLM	ENSG0000	-0.05603	3.438522	-0.24783	0.807152	0.866988	-6.96126	3.476616	3.07157	3.24453	3.181227	3.033076	3.016392	3.555458	3.214961	3.218306	4.663802	4.860959	4.850228	2.542344	2.433888	2.312654	4.552316	4.776901	4.694231
ZNF720	ENSG0000	0.519259	3.976994	4.756365	0.00017	0.001153	0.652466	4.059241	4.217373	3.81026	4.540361	4.580048	4.480358	4.293266	4.670823	4.189248	3.226465	3.501964	3.225594	4.226655	4.385617	4.169997	3.877544	3.896833	3.969186
DDI2	ENSG0000	-0.01306	6.214714	-0.13106	0.897227	0.931536	-7.42622	6.165988	6.175382	6.17962	5.342348	5.266255	5.451761	6.138227	6.157275	6.081983	6.645134	6.632255	6.518021	6.543836	6.56851	6.524503	6.621167	6.641881	6.588208
SVIL	ENSG0000	0.150878	6.287536	2.322856	0.032483	0.073766	-4.89882	6.06494	6.048899	6.074887	7.139902	7.100083	7.240251	6.29303	6.269636	6.399821	5.879356	5.889343	5.81197	6.604381	6.500165	6.518684	5.94631	5.912956	5.838909
TRIM33	ENSG0000	-0.06057	5.94777	-1.15277	0.264529	0.380651	-6.71532	5.954295	5.827051	5.882858	5.44865	5.565074	5.500479	5.777814	5.801241	5.842866	6.321763	6.22097	6.227819	6.105563	6.118254	6.26426	6.220575	6.235953	6.183125
LRP10	ENSG0000	0.615395	8.465508	6.972392	1.93E-06	3.64E-05	4.621549	7.743358	7.796576	7.835054	8.460347	8.470284	8.425424	8.838863	8.677079	8.773589	8.30537	8.365008	8.345168	8.86094	8.814728	8.832284	8.664444	8.661218	8.587727
PELI1	ENSG0000	0.534357	3.244716	3.538496	0.002436	0.009499	-1.94501	1.642349	1.631689	1.453818	3.103249	3.033076	3.016392	2.908934	2.960209	3.044176	3.985951	3.981119	3.738597	5.056064	5.131167	5.123642	4.052512	4.221756	4.058989
ZNF655	ENSG0000	0.375737	5.800637	4.816532	0.00015	0.001038	0.41004	5.523064	5.523092	5.511583	5.848808	5.681033	5.751893	6.02305	6.048077	6.148055	5.587318	5.762057	5.570371	6.080206	6.074684	6.160946	5.835464	5.894824	5.870258
MRPL21	ENSG0000	-0.23778	6.009339	-4.34013	0.00042	0.00234	-0.68748	6.072266	5.975457	5.988045	5.199754	5.458224	5.313181	5.672555	5.676339	5.670411	6.539555	6.566763	6.592576	6.220272	6.163149	6.279253	6.458728	6.386287	6.367248
UAP1L1	ENSG0000	0.534678	3.207004	3.791696	0.001397	0.006109	-1.3539	2.218961	2.470453	2.326135	3.456785	3.772191	3.321269	2.981245	3.043491	2.616448	3.637124	3.554746	3.579277	3.95166	3.903166	3.86826	4.122857	3.955266	3.992166
ZNF786	ENSG0000	0.421264	3.865944	6.177118	8.96E-06	0.000119	3.556804	3.520128	3.222448	3.384088	3.955484	3.934936	3.786958	3.719464	3.633086	3.733845	3.962373	4.127684	3.824415	4.555854	4.416485	4.508238	4.442647	4.419196	4.286716
ZNF517	ENSG0000	-0.4016	3.051374	-4.20095	0.000569	0.002985	-0.44611	3.373632	3.260998	3.176339	2.518519	2.926537	3.016392	2.607661	2.848856	2.588518	3.637124	3.626949	3.674791	3.581798	3.453829	3.600863	3.516101	3.256961	3.421736
ZNF675	ENSG0000	-0.10031	2.846365	-1.02747	0.318209	0.438037	-6.32139	2.19231	2.258179	1.987129	2.181668	1.953662	1.956998	2.186178	2.481727	2.202855	3.926269	3.830249	4.132188	4.264669	4.259953	4.261115	3.859998	3.765107	3.831562
SLC22A5	ENSG0000	-0.36801	4.973584	-7.65164	5.56E-07	1.36E-05	6.25408	5.975942	5.981241	6.031155	5.464331	5.462043	5.464914	5.531176	5.650007	5.537947	4.561593	4.532919	4.665597	4.191564	4.195307	4.27499	4.306784	4.357943	4.280507
ADARB1	ENSG0000	0.257714	5.443802	4.417676	0.000354	0.002048	-0.24392	7.027139	7.062806	7.107935	6.993586	7.023321	6.976593	7.400917	7.370541	7.371258	3.798946	3.970058	3.982106	3.611602	3.591587	3.707028	3.940112	4.011424	4.115895
ZNF860	ENSG0000	0.54	0.836079	2.686275	0.015353	0.040859	-3.67655	0.587539	0.582935	0.598525	0.106501	0.389229	0.3528	0.106501	0.106501	0.39151	3.723813	3.842432	3.549937	4.25337	4.210485	4.184772	4.485232	4.323851	4.255399
HTT	ENSG0000	-0.04965	7.261778	-1.15719	0.262767	0.378713	-6.83422	7.216761	7.231642	7.246577	7.295924	7.322258	7.430773	7.261476	7.09847	7.205318	7.316678	7.388267	7.163714	7.347253	7.327233	7.341328	7.315794	7.188202	7.189068
C5AR1	ENSG0000	0.647472	2.831483	2.66464	0.016067	0.042363	-3.45313	3.349713	3.57841	3.489013	3.80351	3.808643	3.848471	4.393833	4.290959	4.339245	2.01088	1.989662	1.73919	3.039964	2.784257	2.870883	2.034568	2.078458	1.877799
DCHS2	ENSG0000	0.86792	-0.6457	3.928743	0.001033	0.004806	-0.64944	0.106501	0.106501	0.219246	0.635873	0.512209	0.563119	0.106501	0.253663	0.106501	1.278001	1.335727	1.219002	3.181815	3.077028	2.976553	1.948641	1.82352	1.942153
VEPH1	ENSG0000	-0.02109	-0.39478	-0.0583	0.954168	0.970452	-6.00507	0.667115	0.499412	1.202741	0.52061	0.92021	0.909432	0.269385	0.509405	0.256032	1.073118	0.640699	1.126631	1.365252	1.320413	1.456457	1.177011	1.072305	1.665483
SHPK	ENSG0000	0.022849	1.866254	0.152497	0.880541	0.920346	-6.41031	2.416107	2.425906	2.079636	2.103714	2.155834	2.581827	2.376953	2.451551	2.239236	2.527059	2.011405	2.30059	1.878105	1.993753	1.876113	2.494877	2.030948	2.226823
IPP	ENSG0000	-0.28644	3.534223	-3.45967	0.002896	0.010929	-2.07058	4.081197	4.14364	4.174224	3.70135	3.656958	3.9455	3.916741	3.90213	3.879258	3.479955	3.414909	3.613714	3.513977	3.329589	3.445943	3.152846	3.215061	3.328509
MAP3K5	ENSG0000	-0.12189	4.157053	-1.03422	0.315132	0.434714	-6.43578	3.96004	4.036608	4.080323	4.674482	4.65537	4.798728	4.225415	4.166444	4.243986	4.217694	4.394983	4.317702	4.191564	4.307781	4.184772	4.083081	3.876817	3.897964
GSTK1	ENSG0000	-0.27435	6.947196	-2.13105	0.047559	0.099675	-5.34253	6.957628	6.951322	6.951481	7.121476	7.125591	7.074234	6.790671	6.818617	6.855875	6.779372	6.754944	6.816676	7.679636	7.665926	7.702563	6.335067	6.422408	6.470408
HNRNPAB	ENSG0000	-0.02709	8.246714	-0.40061	0.693561	0.780776	-7.5103	8.335449	8.369317	8.374845	8.213643	8.281645	8.214324	8.358352	8.346498	8.300844	8.403836	8.368698	8.422279	7.79453	7.806152	7.838805	8.398086	8.315802	8.387059
STMN3	ENSG0000	0.900378	4.386236	5.426465	4.12E-05	0.000382	2.019534	4.744758	4.609725	4.763138	5.452586	5.589722	5.477948	5.272444	5.319175	5.287386	3.113269	3.241771	3.393562	3.629193	3.544454	3.600863	4.458278	4.609106	4.341429
PDGFA	ENSG0000	0.058288	2.877117	0.413381	0.684355	0.774146	-6.50555	3.810347	3.7953	3.736403	3.740513	3.901574	3.711713	3.539581	3.550079	3.543305	2.356666	2.135404	2.546206	2.385571	2.250257	2.312654	2.843302	2.799093	2.649309
ZNF695	ENSG0000	-0.44771	1.260611	-2.01537	0.05951	0.119044	-4.62689	1.791852	1.708084	1.853768	1.104644	0.625525	1.250575	1.648695	1.988058	0.833554	3.275122	3.023743	3.172678	0.945898	1.16289	1.17005	2.890155	2.568968	2.928814
PCDHB11	ENSG0000	1.765812	1.624709	5.944423	1.43E-05	0.000168	3.287459	1.069823	1.002471	1.088647	4.236852	3.784444	4.202668	2.637802	2.801791	2.501332	1.073118	1.435603	0.639567	2.479079	2.533802	2.821313	1.419885	1.547811	1.942153
ZNF628	ENSG0000	0.22536	2.421227	1.730252	0.101202	0.180584	-5.20159	2.19231	2.403106	2.326135	2.021307	2.686486	2.258349	2.545421	2.420731	2.274723	2.620402	3.116952	3.141546	3.02232	2.743101	3.010124	3.39137	3.193646	2.975687
SLC2A10	ENSG0000	0.825988	0.269795	4.491999	0.000301	0.0018	0.397364	0.216396	0.410755	0.106501	0.635873	0.25478	0.657796	0.415731	0.387194	0.39151	2.263275	2.388995	2.355887	3.251622	3.38415	3.206318	2.878584	3.104657	2.863849
ZNF665	ENSG0000	-0.30977	-0.9247	-2.48907	0.023148	0.056541	-3.7263	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.943032	2.935512	2.816411	2.55467	2.671787	2.433049	2.300453	2.680939	2.668457
RPF2	ENSG0000	-0.01465	6.207905	-0.23804	0.814621	0.872852	-7.39709	6.1677	6.279197	6.172636	5.730596	5.671168	5.646163	6.384753	6.411592	6.254089	6.550467	6.459131	6.639292	6.207642	6.154019	6.12437	6.441136	6.388645	6.427498
MIB2	ENSG0000	0.172748	3.902336	1.442904	0.166731	0.265394	-5.87179	3.952119	4.058659	4.153091	4.199863	4.376555	4.178918	4.090259	4.019913	4.112876	3.358771	3.423044	3.70172	4.486773	4.344933	4.237689	3.923315	3.698248	3.707454
MYO5A	ENSG0000	0.061513	6.079951	0.650769	0.52366	0.637259	-7.16285	6.165988	6.241136	6.196933	6.225234	6.198646	6.372415	5.985453	5.981	5.770134	5.943981	5.985857	5.847371	6.043504	5.95963	6.11025	6.287732	6.225439	6.295162
IRF1-AS1	ENSG0000	-0.11902	1.475884	-0.89288	0.38405	0.505781	-6.13416	1.18244	1.173893	1.30847	1.182548	1.2379	1.123626	1.317361	0.915275	0.629397	2.918737	3.076267	2.724859	3.205461	3.320292	2.99902	2.878584	2.770449	3.006111
ATG7	ENSG0000	-0.36984	4.937831	-3.89425	0.001115	0.005095	-1.47554	5.460225	5.469231	5.402389	4.778495	4.635214	4.592471	4.980658	4.657666	4.726452	5.115138	5.019578	5.214204	4.950405	4.938017	4.863891	5.057193	4.917433	4.977487
SIPA1L1	ENSG0000	-0.27617	5.495625	-4.28993	0.000468	0.002557	-0.73909	4.937612	4.95753	5.006431	4.584077	4.782991	4.604407	4.348988	4.357565	4.420702	6.421317	6.390266	6.424122	6.533753	6.515522	6.511865	6.297541	6.277259	6.252972
TTC30A	ENSG0000	-0.03678	3.880337	-0.46587	0.647063	0.744256	-6.82226	3.487617	3.888531	3.678418	4.122913	4.071202	4.28655	3.602068	3.477062	3.513908	4.020609	4.092415	3.891447	4.404034	4.429515	4.577054	3.906321	4.059571	4.143528
SSPOP	ENSG0000	0.033301	0.155148	0.081568	0.935917	0.958598	-5.91849	3.385444	3.057038	3.648527	3.966538	4.1957	4.202668	3.19904	3.196885	3.498982	0.269074	0.106501	0.16959	0.234608	0.26996	0.404558	0.106501	0.2791	0.409347
RAB40C	ENSG0000	0.227777	4.712484	3.566443	0.002291	0.009009	-2.11791	4.645102	4.673038	4.701394	4.898777	5.133653	4.894191	4.877071	4.784126	4.795267	4.382206	4.620414	4.47583	4.72355	4.934974	5.000996	4.808549	4.721863	4.7671
PIGN	ENSG0000	0.3259	4.471372	5.390005	4.45E-05	0.000405	1.945143	5.156772	5.130591	5.141325	5.565938	5.442845	5.663381	5.498697	5.543171	5.424038	3.536933	3.398501	3.495574	3.825085	3.952144	3.916269	3.651445	3.72088	3.840032
COL4A6	ENSG0000	0.17942	2.105401	1.158423	0.262276	0.378135	-5.36253	9.051231	9.014422	9.010466	9.464246	9.449696	9.527538	9.238578	9.164215	9.204608	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZNF624	ENSG0000	0.276224	2.262398	2.238214	0.038488	0.084298	-4.20103	2.505419	2.55562	2.739267	3.06262	2.57804	2.885561	2.832807	2.728183	2.723053	1.940223	2.355385	1.986992	2.649667	2.627242	2.661487	2.283004	2.429363	2.374055
HHLA3	ENSG0000	-0.30415	3.298927	-4.25122	0.000509	0.002741	-0.39802	3.142584	3.057038	3.090013	2.97776	3.033076	3.231764	2.724622	2.777669	2.748518	3.968304	3.824119	4.124247	4.037603	4.154036	4.046009	3.7814	3.620134	3.797179
TOPORS	ENSG0000	-0.11586	4.844873	-1.3591	0.191394	0.294706	-6.23819	4.973272	5.055819	4.950366	5.046722	4.871804	5.019826	5.173034	5.146277	5.18386	4.816256	5.061869	4.895252	4.718081	4.653345	4.860827	4.591826	4.656838	4.461559
GPX1P1	ENSG0000	0.195742	2.723406	0.898015	0.381382	0.503258	-6.1922	2.917019	3.260998	3.309643	3.142765	3.329147	2.629332	3.137083	2.871824	3.254305	1.98771	2.618839	2.786535	3.02232	3.375198	2.846311	3.181381	2.854728	2.419973
ENTPD6	ENSG0000	0.229355	7.716128	3.137865	0.005844	0.019068	-3.43787	8.008816	8.012488	8.091688	7.828452	7.862683	7.818586	8.228824	8.118827	8.140579	7.529679	7.443295	7.551208	7.012261	6.918114	6.950527	7.888517	7.792495	7.826426
ENPP1	ENSG0000	0.444041	1.824299	2.158738	0.045045	0.095429	-4.19144	2.649532	2.534795	2.514675	3.21869	3.053471	3.103073	3.094248	3.491964	3.357206	1.490718	1.498542	1.780195	1.365252	1.710321	1.639204	1.286141	1.289746	1.58715
FAR1	ENSG0000	0.059608	5.605652	0.956927	0.351654	0.472912	-6.83336	5.934331	5.860909	5.980067	5.910205	5.833285	5.827671	6.202659	5.986272	5.91773	5.447841	5.489323	5.448471	5.04081	5.093459	5.071593	5.382106	5.480747	5.557523
CPLANE1	ENSG0000	-0.19415	4.327274	-1.39754	0.179741	0.281262	-6.03006	4.473109	4.418344	4.453135	4.694564	4.594038	4.616245	4.321396	4.664259	4.490278	4.125171	4.242453	4.067404	4.91976	4.894826	4.917949	3.865871	3.842828	3.641153
ZNF841	ENSG0000	-0.11175	3.716825	-0.91596	0.372155	0.494413	-6.64995	2.668993	2.674627	2.812981	3.041869	2.85862	3.200652	2.806512	2.511284	2.892531	5.240498	5.212608	5.037335	4.601127	4.235431	4.580783	4.905811	5.080907	5.063177
ZNF615	ENSG0000	1.214361	2.723512	13.00165	2.03E-10	3.36E-08	13.90396	1.755904	2.068355	1.921989	2.740812	2.71237	2.719893	2.779728	2.676938	2.869505	2.635389	2.727926	2.7037	3.629193	3.952144	3.939687	3.717885	3.942484	3.779675
EOLA1	ENSG0000	0.148228	3.940511	2.160778	0.044864	0.09516	-4.76516	4.081197	3.8803	3.931056	4.333937	4.400635	4.351728	3.928981	4.119235	4.305329	3.818776	3.811781	3.839044	4.011012	3.987816	4.035179	4.026533	3.93605	3.840032
CDC42SE1	ENSG0000	0.220301	8.109914	2.94992	0.008767	0.026198	-3.85886	8.003077	8.01437	7.944168	8.282706	8.243875	8.324408	8.40346	8.394872	8.343767	8.077784	8.131793	8.06051	7.798423	7.8024	7.814864	8.111878	8.15924	8.164898
SERPINB2	ENSG0000	0.750013	1.378047	3.039509	0.007229	0.022413	-2.36544	6.016387	5.877545	5.803703	5.209091	5.079986	5.114677	6.646169	6.581449	6.704711	0.269074	0.259702	0.230035	0.234608	0.106501	0.106501	0.326864	0.358227	0.315289
DPP4	ENSG0000	0.501561	0.468316	1.978432	0.063861	0.125668	-4.52407	0.216396	0.316291	0.323815	0.742604	0.828511	0.461789	1.240874	0.824004	0.925731	2.163418	2.074736	2.447834	2.638129	2.743101	2.559363	2.568742	2.101639	2.174206
PDCD1LG2	ENSG0000	-0.05643	1.287915	-0.28875	0.77617	0.843003	-6.18283	2.867343	2.9974	2.933559	2.181668	1.864131	2.064596	2.884002	2.871824	2.471058	1.278001	1.265082	1.219002	0.745413	0.888753	1.209118	1.13872	1.851139	1.273688
ZNF433	ENSG0000	0.087862	-1.11808	0.62021	0.543122	0.654624	-6.12913	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.98771	2.095243	2.328504	2.626498	2.714997	2.95373	1.992244	2.146913	2.374055
SPTAN1	ENSG0000	-0.01659	8.328725	-0.29109	0.774405	0.841889	-7.53448	8.572198	8.494916	8.582421	8.92368	8.9116	8.988816	8.721945	8.607796	8.733901	8.011123	8.047155	7.851552	8.068269	8.004941	8.098174	7.771391	7.788483	7.825893
NMB	ENSG0000	0.289003	3.002251	1.95999	0.066139	0.129367	-4.99168	2.688195	3.142112	2.982302	2.457149	2.549605	2.132113	3.258446	2.916694	3.357206	3.265521	3.241771	3.495574	3.629193	3.759216	3.665494	3.685048	3.636099	3.519884
PARVA	ENSG0000	-0.16652	4.970409	-2.44292	0.025449	0.060839	-4.40201	6.234531	6.349454	6.320555	5.904469	5.754503	5.770552	6.048517	6.114582	5.937239	4.151473	4.061483	4.04234	3.865227	3.890658	3.767168	4.01601	4.100421	4.216898
FAM114A1	ENSG0000	-0.01436	5.770312	-0.16351	0.871995	0.914096	-7.22013	6.590142	6.689226	6.61141	7.212496	7.254506	7.210299	6.454151	6.393849	6.439449	4.521821	4.627471	4.63239	5.018734	5.10974	5.115953	4.888608	4.776901	4.930673
RPE	ENSG0000	0.014713	6.075893	0.334177	0.742223	0.818662	-7.33055	6.232898	6.346469	6.340946	6.102842	5.970993	6.053425	6.288287	6.454066	6.31288	6.010153	6.06076	6.160501	5.702186	5.826412	5.709941	6.116053	6.017209	6.059839
ZNF460	ENSG0000	-0.42952	1.602555	-3.33018	0.003845	0.013652	-2.09737	1.475543	1.465573	1.667608	1.393812	1.307481	1.188496	1.240874	1.710758	1.727075	3.0698	3.096753	2.735323	2.614772	2.581279	2.675503	2.524879	2.33471	2.507643
PHF2	ENSG0000	-0.0517	6.065173	-0.7924	0.438753	0.55996	-7.0653	6.416805	6.349454	6.498653	5.694487	5.902377	6.027064	6.177231	6.284691	6.323509	6.004393	6.014403	6.06002	5.860749	5.929373	5.816561	6.050532	6.100116	6.065267
RPS26	ENSG0000	-0.03191	7.841745	-1.10739	0.283132	0.40062	-6.93124	8.156152	8.124747	8.109626	7.994246	7.974531	8.035227	8.11223	8.143222	8.11511	7.719202	7.644547	7.653717	7.498479	7.547911	7.591444	7.58639	7.622611	7.640754
PSAP	ENSG0000	-0.03761	10.37267	-0.6536	0.521879	0.636024	-7.47853	10.87987	10.84268	10.85938	11.10098	11.11042	11.0575	10.9574	10.92833	10.94854	9.755525	9.652077	9.695002	10.11176	10.09688	10.12848	9.539451	9.535362	9.530689
S100A10	ENSG0000	0.01247	8.449848	0.110539	0.913241	0.942625	-7.60929	8.575102	8.600464	8.558175	7.845766	7.913776	7.837672	8.188665	8.239082	8.24155	8.500365	8.524726	8.532322	8.605194	8.73388	8.732321	8.852708	8.865254	8.828863
RPL37A	ENSG0000	0.132275	9.245396	3.392649	0.003354	0.012252	-2.98956	9.379188	9.358473	9.363331	9.432711	9.453059	9.333682	9.533057	9.541901	9.549232	9.104658	9.09474	8.94828	8.893453	9.033194	9.022669	9.086928	9.109588	9.223759
TXNRD3	ENSG0000	0.538095	2.381267	2.707891	0.014671	0.039373	-3.32995	2.90065	2.513665	2.514675	3.020814	2.881616	2.763128	3.178682	2.981485	2.981126	1.940223	1.8028	1.951531	3.228726	2.974074	3.096004	2.317694	2.465551	2.326628
CFD	ENSG0000	0.637925	2.611636	1.950043	0.067398	0.131194	-4.68984	2.815895	3.012542	3.309643	4.510463	4.733289	4.531264	3.050103	3.446787	3.528681	1.199504	1.989662	1.986992	1.99126	2.039797	2.276326	2.75746	2.649824	2.252429
MCMBP	ENSG0000	-0.00783	6.883639	-0.15056	0.882047	0.921555	-7.46179	7.499545	7.530781	7.491443	7.111553	7.106197	7.081724	7.446331	7.451865	7.484514	6.65436	6.680555	6.635806	6.017022	5.941552	5.955152	6.705452	6.658586	6.697111
EME2	ENSG0000	-0.36384	4.819173	-2.96099	0.008561	0.025696	-3.41596	5.259834	5.288212	5.503257	4.753186	4.807214	4.965334	4.889651	4.722281	4.687485	4.641707	4.842882	4.615496	5.081845	5.006281	5.003776	4.591826	4.547132	4.488745
ZNF81	ENSG0000	1.030629	3.514358	7.331611	9.91E-07	2.12E-05	5.829927	2.815895	2.49222	2.720234	3.791129	3.796595	3.59692	4.19533	4.273815	4.05282	3.349712	3.470912	3.247691	4.122859	4.073319	3.880413	3.940112	4.071361	3.797179
TAF13	ENSG0000	-0.1887	5.79736	-4.66329	0.000208	0.001339	0.064812	5.881091	5.839841	5.703085	5.583994	5.57216	5.619944	5.639419	5.669801	5.690258	6.10741	6.051607	6.138002	5.836975	5.910909	5.930525	5.818911	5.881493	5.958469
ZNF780A	ENSG0000	0.78607	3.69621	8.583377	1.11E-07	3.91E-06	7.987497	3.337603	3.128277	3.119366	4.020568	3.988879	4.170914	3.879385	4.230044	4.073118	3.349712	3.509623	3.225594	4.097807	4.269646	4.25179	3.894879	3.876817	4.190648
ATAD3A	ENSG0000	-0.22865	5.832438	-3.00137	0.007849	0.023963	-3.54946	5.845187	5.811984	5.992018	5.502803	5.735694	5.532066	5.535185	5.435516	5.570437	6.116785	6.226791	6.449765	5.773793	5.77969	5.736926	6.153743	6.217503	6.043431
FAM118B	ENSG0000	0.21886	4.374556	4.308395	0.00045	0.002477	-0.46947	3.827767	3.983805	3.897563	4.502891	4.267295	4.365821	4.205428	4.138304	4.22597	4.529864	4.5846	4.621149	4.883573	4.916583	4.851597	4.736662	4.747809	4.753714

ZNF461	ENSG0000	0.666569	2.800584	7.494708	7.37E-07	1.69E-05	6.151465	2.19231	2.152784	2.248556	2.359902	2.549605	2.865864	2.545421	2.938616	2.82232	3.08079	3.21391	3.068941	3.773284	3.637228	3.713835	3.567454	3.765107	3.814473
SLC9A8	ENSG0000	-0.08512	5.062027	-1.19596	0.247685	0.361559	-6.48676	4.702888	4.817982	4.840087	5.268353	5.305047	5.387592	4.857993	4.944392	4.825493	5.269607	5.283572	5.232786	5.431803	5.303845	5.283183	5.072509	5.045483	5.044977
OCLN	ENSG0000	0.157857	2.702218	1.98518	0.063046	0.124461	-5.30551	0.947665	1.061904	0.598525	0.635873	0.625525	1.123626	0.886508	1.082132	1.0941	5.544294	5.52755	5.440499	6.140739	6.015426	6.032063	5.64883	5.726088	5.552378
ZNF181	ENSG0000	0.369947	3.198549	3.552136	0.002364	0.009258	-1.79911	3.397161	3.196163	3.371944	3.740513	3.394558	3.445903	3.602068	3.477062	3.708117	2.804042	2.877496	2.974933	3.513977	3.41941	3.68641	3.31616	3.2466	3.228839
SLC22A20F	ENSG0000	0.592487	-0.49368	2.453706	0.024893	0.059799	-3.73772	0.216396	0.316291	0.219246	0.106501	0.106501	0.461789	0.548589	0.106501	0.256032	2.224158	2.42184	2.136592	1.689764	1.766169	1.610309	2.866919	3.022017	2.464474
INKA2	ENSG0000	-0.154	1.577836	-0.867	0.397688	0.519372	-6.05847	1.519087	1.670392	1.406977	1.888135	1.909591	1.799787	1.816207	1.430416	1.445026	2.856146	2.516115	2.714318	2.145912	2.039797	1.947161	2.597261	2.48331	2.350536
ZNF44	ENSG0000	-0.09508	1.725266	-0.73392	0.472729	0.592347	-6.26354	1.18244	1.631689	1.358564	1.791994	1.498102	1.475193	1.240874	1.658879	1.38134	3.155466	2.912585	2.786535	2.791825	2.784257	3.042931	2.611312	2.972579	2.880366
GPAA1	ENSG0000	0.313156	7.68585	3.507994	0.002605	0.010041	-2.64771	6.726412	6.760469	6.813498	7.784626	7.770211	7.704002	7.331152	7.177797	7.291214	7.946875	7.923233	8.047448	8.294589	8.243119	8.265914	8.184455	8.171958	8.047764
SGTB	ENSG0000	0.203784	2.851007	1.510111	0.148882	0.24318	-5.51571	3.337603	3.169391	3.148134	3.06262	3.329147	3.086148	3.555458	3.477062	3.271973	2.763691	2.516115	2.53427	3.039964	3.233802	3.096004	2.77004	2.601856	2.896697
ZNF790	ENSG0000	0.49625	2.255112	5.282521	5.57E-05	0.000478	1.963441	1.990546	2.039077	1.921989	2.325974	2.429905	2.029614	2.446718	2.540248	2.087859	2.605258	2.753956	2.546206	2.930712	3.077028	3.021143	3.113899	3.009816	3.035906
PRB3	ENSG0000	-0.00282	-1.7295	-0.01378	0.989162	0.993137	-6.08663	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.457372	1.300837	1.538714	1.218025	1.393161	1.129895	1.681967	1.118494	1.546329
MYO1C	ENSG0000	0.030033	7.783886	0.435336	0.668647	0.761639	-7.43661	8.123462	8.115134	8.196542	8.371663	8.47832	8.364439	7.934685	7.932709	7.94313	7.120273	7.103238	7.127429	7.807787	7.723486	7.738057	7.451825	7.346975	7.358547
NKIRAS1	ENSG0000	-0.21393	3.874204	-2.44511	0.025335	0.060637	-4.20947	4.615318	4.538284	4.492928	4.333937	4.240862	4.226032	4.411387	4.332946	4.198517	3.751589	3.478738	3.914651	3.259174	3.470735	3.637126	3.61006	3.431768	3.650813
KIF13B	ENSG0000	-0.31099	4.308851	-3.62561	0.002012	0.008127	-1.94326	3.836399	3.920993	4.011539	4.082842	4.13	4.194794	3.941119	4.060466	3.990155	4.832603	4.896447	4.781207	4.931624	5.13912	5.076884	4.302461	4.338561	4.467038
NRAP	ENSG0000	-0.65219	0.08873	-1.51028	0.148839	0.243166	-4.88876	4.683882	4.517206	4.611291	3.376187	3.053471	3.168853	4.235306	3.946081	3.979442	0.190076	0.259702	0.16959	0.106501	0.345231	0.263213	0.106501	0.106501	0.214669
ADH5	ENSG0000	0.011634	6.942817	0.11287	0.91142	0.941496	-7.49301	6.888753	7.010028	6.807875	6.418735	6.278786	6.381113	6.854629	6.997657	6.937022	7.153837	7.105135	7.108938	7.324487	7.273447	7.26227	7.107913	7.073443	7.208822
H2BC12	ENSG0000	0.063664	6.366438	0.923407	0.368368	0.490186	-7.00404	5.761547	5.885792	5.8172	5.821673	5.812494	5.746517	5.701383	5.743259	5.706591	6.750411	6.718229	6.84292	7.30501	7.270433	7.245925	6.973638	6.906605	6.939043
TEAD4	ENSG0000	-0.09392	4.555745	-0.73364	0.472896	0.592441	-6.79653	5.346988	5.263109	5.41428	4.740363	4.607895	4.549901	5.162706	5.206241	4.99996	4.103779	4.056262	4.257266	4.319876	4.220515	4.364231	4.361843	4.071361	4.136669
SPG7	ENSG0000	-0.39748	6.314884	-5.98228	1.32E-05	0.000158	2.847105	7.157717	7.229213	7.174121	6.904436	6.890752	6.812646	6.548402	6.620963	6.704711	5.847534	5.906851	5.737147	5.852036	5.828053	5.940717	5.616106	5.599495	5.661529
NBEAP2	ENSG0000	0.068521	-0.06781	0.360606	0.722715	0.803617	-6.12845	0.41387	0.736739	0.512639	0.635873	0.512209	0.2349	0.548589	0.726566	0.629397	1.676063	1.777644	1.653508	1.548989	1.738515	1.775589	1.542275	1.737342	1.81044
ZNF677	ENSG0000	0.286113	0.837965	5.566156	3.09E-05	0.000304	2.135613	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.795112	5.853677	5.726697	5.950944	5.956632	6.094687	5.979187	6.027836	6.20296
ERO1A	ENSG0000	0.306559	7.465144	4.433626	0.000342	0.001993	-0.61737	6.851978	6.888074	6.882534	7.080093	6.911849	7.069936	7.24566	7.329649	7.267189	7.876875	7.994564	7.947769	7.521426	7.590105	7.584497	8.157178	8.131704	8.200688
ZNF823	ENSG0000	-0.30158	1.349676	-1.64036	0.118802	0.20431	-5.19401	0.742531	1.465573	0.679585	1.578054	1.2379	1.367251	1.160105	0.915275	1.01237	3.145032	3.013005	2.948194	2.661114	2.714997	2.574402	2.583072	2.726388	2.649309
ZNF311	ENSG0000	-0.8534	0.421938	-3.43634	0.003048	0.011364	-1.75357	0.947665	0.875715	1.028027	0.395333	0.512209	0.830331	0.415731	0.106501	0.515351	2.620402	2.469748	2.615819	2.24051	2.612083	2.465679	2.034568	2.101639	2.326628
ZNF347	ENSG0000	0.021596	2.569978	0.249747	0.805694	0.865814	-7.04181	1.235614	1.061904	1.358564	0.742604	1.2379	0.657796	1.240874	1.605065	1.314712	4.99537	5.000678	4.850228	5.009808	4.985845	4.972896	4.942395	4.927198	4.965925
PLCG2	ENSG0000	-0.31402	3.067108	-3.4686	0.00284	0.010774	-2.05262	3.408783	3.248262	3.489013	2.864145	2.605925	2.697781	2.806512	3.023117	2.77354	3.882973	3.748453	3.834184	3.100071	2.850343	3.042931	3.552967	3.667508	3.761956
FCHSD1	ENSG0000	-0.3333	4.37966	-2.65996	0.016226	0.042655	-4.01631	4.345883	4.12982	4.138828	3.674639	3.574682	3.655458	3.539581	3.564249	3.628063	4.942125	5.069663	5.052059	5.570287	5.415021	5.424752	4.700972	4.971913	4.849107
ZNF71	ENSG0000	-0.07532	3.932885	-1.05868	0.304158	0.423265	-6.45557	3.65311	3.58855	3.863273	3.425084	3.546181	3.632327	3.33403	3.40015	3.655245	4.323269	4.54415	4.503642	4.630539	4.604394	4.500385	4.450484	4.482376	4.45054
S100A6	ENSG0000	-0.19209	9.774938	-2.06559	0.054022	0.110239	-5.67768	10.37135	10.36016	10.35792	9.608821	9.654455	9.536911	9.740214	9.836025	9.814824	9.77437	9.742305	9.662301	9.208402	9.341663	9.300181	9.841094	9.872038	9.957295
RPL12	ENSG0000	0.032896	9.759051	0.578204	0.570502	0.679289	-7.51615	9.908274	9.896715	9.87043	9.486494	9.54032	9.491438	9.776227	9.807644	9.837064	9.779966	9.748286	9.673737	9.685549	9.795286	9.768895	9.806781	9.861679	9.95924
DNM3	ENSG0000	-1.13125	4.482916	-4.64145	0.000218	0.001388	0.139157	4.553837	4.733688	4.606117	2.887595	2.193078	2.402038	2.01302	2.568641	2.274723	6.30194	6.272527	6.24897	6.516527	6.462627	6.559881	5.44622	5.451724	5.513196
ZNF121	ENSG0000	-0.3662	4.915726	-6.46834	5.05E-06	7.50E-05	3.979419	5.525735	5.455446	5.573871	4.845887	4.795153	4.745826	5.262806	5.188055	5.18386	5.1779	5.090242	4.95467	4.47385	4.545767	4.523816	4.619897	4.641102	4.780362
MPZL1	ENSG0000	0.205212	7.072939	3.267224	0.004411	0.015234	-3.06788	7.426389	7.503575	7.457367	8.203752	8.198237	8.235585	7.736541	7.727655	7.68411	6.244453	6.218635	6.197867	6.535309	6.53675	6.548502	6.365436	6.396867	6.322618
VPS13A	ENSG0000	-0.17608	5.576879	-2.0932	0.051204	0.105681	-5.23688	5.866415	5.787985	5.914599	5.5623	5.651233	5.954316	5.697811	5.695778	5.640119	5.493793	5.677882	5.229089	5.592876	5.606937	5.677227	5.278052	5.209172	5.411738
MBP	ENSG0000	0.251924	6.611901	1.150865	0.26529	0.38163	-6.69154	7.511722	7.556191	7.53498	8.182579	8.112749	8.15063	8.189302	8.224657	8.24826	5.826467	5.776414	5.799558	4.750591	4.797675	4.688381	5.380055	5.309644	5.394592
ELOVL2	ENSG0000	0.485554	-0.65051	1.473154	0.158491	0.255389	-4.92547	3.236881	3.042358	2.865896	4.464421	4.43213	4.407292	3.352323	3.724251	3.572114	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GOLGA6L9	ENSG0000	0.25155	1.882389	1.744155	0.098692	0.177014	-5.04716	1.519087	1.708084	1.853768	1.840866	2.078331	1.757653	2.480375	1.901414	1.873138	2.589954	2.453955	2.473063	2.542344	2.770668	2.883013	2.384669	2.568968	2.944608
C1orf122	ENSG0000	0.046313	5.146889	0.473157	0.641957	0.739756	-7.09396	5.111261	5.381559	5.37527	5.499001	5.607073	5.268872	5.060712	5.043815	5.102264	4.685565	4.872886	5.0331	5.250459	5.357098	5.40175	5.321433	5.075063	4.95427
SNHG12	ENSG0000	-0.33417	3.514189	-4.28562	0.000473	0.002578	-0.34893	3.385444	3.209365	3.296854	3.273122	3.260629	3.472196	2.908934	3.023117	3.181386	4.026306	4.029873	4.09204	4.35554	4.407733	4.531543	3.787601	3.659719	3.725851
NOL8	ENSG0000	-0.1431	6.138376	-3.01467	0.007627	0.023428	-3.53836	6.543459	6.535229	6.56416	6.154502	6.140251	6.267477	6.364618	6.34544	6.271759	6.131394	5.994071	6.005947	5.824304	5.855668	5.940717	5.925374	5.93248	6.077854
IRAK4	ENSG0000	0.103251	3.867091	0.853324	0.405023	0.52673	-6.52492	3.541402	3.695626	3.65856	4.681208	4.335505	4.512384	3.774765	4.070428	4.112876	3.812196	3.913441	3.886761	3.90909	4.089828	4.134921	3.685048	3.822043	3.788453
MRPL42	ENSG0000	0.682193	6.250928	11.54845	1.31E-09	1.38E-07	12.25417	5.914086	5.891946	5.778624	6.33805	6.302412	6.223654	6.695365	6.831855	6.676797	6.010153	5.927012	6.01349	6.25751	6.251401	6.292956	6.503676	6.422408	6.543533
ENTPD7	ENSG0000	-0.37709	4.433852	-2.59447	0.018607	0.047536	-4.0232	5.220808	5.331118	5.251481	5.320976	5.338674	5.384134	4.819063	4.747338	4.732845	4.192583	4.152359	4.132188	3.507651	3.393046	3.754018	4.132632	3.822043	3.937965
ZNF335	ENSG0000	-0.05256	5.192897	-0.93474	0.362658	0.484389	-6.79291	5.49062	5.427474	5.628485	5.087795	5.287935	5.298562	5.243334	5.293887	5.451432	5.159875	5.130539	5.147212	4.982695	4.938017	5.020346	5.215041	5.184958	5.214151
ZNF560	ENSG0000	0.12654	-0.81682	1.414869	0.174676	0.27512	-5.50639	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.736149	2.714733	2.756026	2.921223	2.950162	3.116699	2.666185	2.854728	2.912845
RPS4X	ENSG0000	-0.09945	10.02911	-3.31306	0.003991	0.014074	-3.20035	10.5378	10.51455	10.4844	10.41605	10.37757	10.38272	10.40413	10.40242	10.41489	9.718839	9.659089	9.601308	9.5966	9.659372	9.682176	9.538532	9.560284	9.600113
ZNF273	ENSG0000	-0.01323	2.184749	-0.07665	0.939771	0.961513	-6.56573	2.568952	2.283367	2.469799	2.291228	2.264801	2.402038	2.545421	2.568641	2.440135	3.0698	2.841532	3.026968	1.667235	1.766169	2.036756	2.924322	3.022017	2.706008
ZNF84	ENSG0000	0.482887	5.467426	7.415107	8.52E-07	1.89E-05	5.72586	5.190829	5.066741	5.187095	5.860706	5.403664	5.743822	5.586312	5.58547	5.588176	5.185557	5.19846	5.011739	5.83192	5.86369	5.847842	5.612618	5.581058	5.680517
MAK16	ENSG0000	-0.39199	6.257804	-6.71072	3.17E-06	5.26E-05	4.260457	6.578612	6.543071	6.490251	5.790912	5.518152	5.59324	6.103549	6.168913	6.091965	6.80859	6.70077	6.772905	6.216398	6.245274	6.178277	6.433248	6.369673	6.396253
ZNF667	ENSG0000	0.159657	0.144365	3.09678	0.006388	0.020427	-2.95841	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.472601	4.521599	4.444286	4.761267	4.732581	4.667494	4.54135	4.664642	4.646745
SIRPA	ENSG0000	0.885964	0.494952	3.532224	0.00247	0.009594	-1.40863	5.180696	5.214829	5.155563	6.790876	6.862132	6.919217	6.025902	6.068104	6.126365	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
DSCR8	ENSG0000	-0.00481	2.23267	-0.04721	0.96288	0.976246	-6.75404	1.010037	1.118985	0.964748	1.933905	1.556428	1.880533	1.459147	1.430416	1.38134	3.737768	3.830249	3.804677	4.155599	4.215509	4.315833	3.756329	3.698248	3.55117
GRK6	ENSG0000	0.2845	5.636549	4.005778	0.000872	0.004184	-1.35958	5.078891	4.929882	4.962565	5.408686	5.557954	5.341983	5.55111	5.431657	5.584645	6.014459	5.864171	6.015638	6.074867	5.955131	5.992021	6.151341	6.056295	6.041596
PRIM1	ENSG0000	-0.12902	4.100067	-1.48759	0.154678	0.250407	-5.9798	4.794334	4.751848	4.686762	3.605613	3.616407	3.75519	4.330652	4.59693	4.475104	4.592639	4.580969	4.635187	3.213258	3.054776	3.032078	4.61293	4.600995	4.551975
MARCHF5	ENSG0000	-0.01834	5.683571	-0.25355	0.802801	0.863683	-7.28484	5.853716	5.848305	5.771708	5.778422	5.677752	5.657664	5.715585	5.810187	5.872122	5.544294	5.479606	5.609292	5.78168	5.895341	5.905471	5.490603	5.562382	5.570305
AKR1B10	ENSG0000	1.544826	4.965203	9.213488	4.00E-08	1.84E-06	8.807501	8.547768	8.632671	8.553478	10.2911	10.27383	10.24928	10.19341	10.14279	10.13025	1.028404	0.941811	0.921995	1.154653	1.462417	1.209118	1.354562	1.2488	1.273688
ZBTB14	ENSG0000	0.205271	4.05386	2.946063	0.008839	0.02635	-3.29235	4.186225	4.312206	4.242513	4.181007	4.1009	4.170914	4.637058	4.610649	4.563842	3.926269	4.008408	3.93295	3.768	4.028349	3.843644	3.994729	3.961615	4.094818
CD2AP	ENSG0000	-0.19508	6.244053	-4.47824	0.000311	0.001845	-0.40018	6.001113	6.007931	5.968016	5.854769	5.760718	5.965928	5.719113	5.822029	5.788664	6.693372	6.724002	6.682517	6.661064	6.785047	6.741572	6.448003	6.525641	6.608179
NUP62CL	ENSG0000	-0.40284	2.065836	-2.80847	0.011859	0.033307	-3.12961	3.183753	3.169391	3.431666	2.181668	2.078331	1.993763	2.806512	2.596487	2.616448	2.18395	2.285719	2.473063	1.838325	1.819936	1.923865	2.173627	2.447571	2.033602
SFI1	ENSG0000	-0.31178	3.562138	-3.22217	0.004866	0.016524	-2.60556	3.975752	3.888531	4.042515	3.647423	3.630051	3.560621	3.602068	3.3682	3.437684	3.64455	3.872445	3.590847	3.809739	3.78648	3.78667	3.478269	3.750515	3.444131
ZNF649	ENSG0000	0.657213	0.07823	7.564458	6.50E-07	1.54E-05	6.222828	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.119853	3.860515	3.95997	4.298046	4.344933	4.311352	4.570409	4.621188	4.735671
ZNF248	ENSG0000	0.392037	3.077607	2.473037	0.023924	0.05801	-3.96402	3.114469	2.90305	2.916938	3.51817	3.643567	3.485165	3.733489	3.798055	3.844255	2.930935	3.241771	2.756026	3.165832	3.329589	3.290693	2.652661	2.972579	3.202807
CHSY3	ENSG0000	0.303934	4.649292	1.563326	0.1359	0.22669	-5.91698	3.999005	4.021717	4.087767	5.375899	5.334513	5.345543	4.393833	4.511753	4.198517	4.656475	4.780934	4.857431	4.690417	4.78759	4.698713	4.983487	5.027439	5.033946
TOR4A	ENSG0000	-0.03552	5.239692	-0.29826	0.769018	0.837907	-7.25323	5.797357	5.659206	5.663779	4.392481	4.500575	4.256608	5.452809	5.400404	5.287386	5.367097	5.463921	5.620625	5.064709	5.196144	4.947129	5.809801	5.684473	5.491856
LPAR1	ENSG0000	0.353201	3.742989	1.363284	0.190098	0.293153	-5.95038	3.936145	3.676739	3.922756	4.424898	4.607895	4.690911	4.6445	4.526303	4.372382	3.864012	3.675424	3.955502	2.529911	2.657091	2.80865	3.793775	3.728346	3.734962
MB	ENSG0000	-0.46747	2.439013	-2.68701	0.01533	0.040804	-3.79407	2.080492	2.356396	2.138168	0.934951	0.92021	1.250575	0.670238	0.509405	0.515351	5.04952	4.91387	4.974681	4.390344	4.331113	4.368551	4.787047	4.769683	4.694231
HIBCH	ENSG0000	-0.23187	5.235505	-3.74415	0.00155	0.006625	-1.8628	5.096964	5.102561	5.097747	4.97738	4.860273	5.127141	5.120637	5.164994	4.989319	5.778332	5.604673	5.655479	5.509846	5.438844	5.491637	5.340537	5.302159	5.29338
ZNF544	ENSG0000	0.502309	5.928238	11.81645	9.18E-10	1.05E-07	12.61605	4.71698	4.543506	4.626705	4.809518	4.960875	4.908703	5.173034	5.146277	4.978598	6.707623	6.801707	6.755018	7.145057	7.089351	7.133011	7.241516	7.182778	7.359284
SOWAHC	ENSG0000	0.287192	5.892276	2.774729	0.012739	0.035347	-3.84876	7.368051	7.404459	7.434194	7.562237	7.533919	7.505873	7.868703	7.898165	7.77752	4.480922	4.411431	4.569452	3.95166	3.915568	3.962731	4.466031	4.432969	4.317368
ZNF770	ENSG0000	-0.21767	6.663147	-5.04923	9.10E-05	0.000705	0.807225	7.127264	7.080876	7.046228	6.61238	6.552164	6.672277	6.833623	6.873704	6.711201	6.747828	6.821074	6.692621	6.2251	6.250178	6.17458	6.586025	6.553228	6.644896
ZNF876P	ENSG0000	-0.22154	0.209588	-1.36743	0.18882	0.29145	-5.45942	0.503316	1.061904	0.679585	0.395333	0.25478	0.563119	0.548589	0.387194	0.39151	2.444376	2.469748	2.569785	1.711947	1.681564	1.456457	2.400938	2.447571	2.464474
HMGN5	ENSG0000	0.778807	1.972476	2.631146	0.017235	0.044681	-3.42927	2.345296	2.09705	2.248556	1.933905	2.299368	2.346268	3.523527	3.935218	3.614278	1.940223	2.095243	2.152295	2.193986	1.897007	1.801384	1.85727	1.90484	1.910335
MIER1	ENSG0000	-0.10101	4.846348	-1.30807	0.207793	0.314416	-6.31411	4.42241	4.614695	4.706239	5.025739	4.933626	4.946703	4.723921	4.849227	4.694053	5.167627	5.133021	4.983487	5.254243	5.093459	5.171406	4.829736	4.758787	4.853297
MAN1A2	ENSG0000	0.38562	6.23832	4.850836	0.000139	0.000985	0.433534	5.786261	5.850414	5.86564	6.532815	6.499248	6.572513	6.43282	6.515521	6.496923	6.192202	6.154125	6.053763	6.291971	6.282853	6.271199	6.2921	6.298731	6.259301
SVIP	ENSG0000	-0.18096	4.470081	-1.97386	0.06442	0.126608	-5.24877	5.125418	4.992316	5.144898	4.448742	4.177232	4.186878	4.737903	4.997573	4.770621	4.549776	4.353024	4.491347	4.203356	4.303069	4.104162	4.315393	4.405289	4.370952
ZNF251	ENSG0000	-0.00135	3.62594	-0.01899	0.985067	0.990282	-6.88335	3.572735	3.695626	3.717332	3.840029	3.47236	3.936085	3.632324	3.736817	3.60036	3.87036	3.824119	3.70172	3.86027	3.752319	3.78667	3.7814	3.829005	3.753014
DDRGK1	ENSG0000	0.295489	6.562795	4.556823	0.000262	0.001603	-0.24141	6.236163	6.26346	6.367183	6.924414	6.986671	6.824175	6.730755	6.644495	6.730498	6.359482	6.347099	6.473399	6.605863	6.643116	6.546597	6.636707	6.594666	6.50144
TFDP1	ENSG0000	0.009464	7.246621	0.114228	0.910359	0.940896	-7.51076	7.605604	7.635357	7.669429	7.260438	7.296822	7.350662	7.677914	7.609639	7.57091	7.27721	7.222223	7.326554	6.45374	6.37666	6.363917	7.299615	7.299522	7.328014
ZNF607	ENSG0000	0.40695	3.499495	4.148184	0.000638	0.003256	-0.6676	2.589523	2.71221	2.739267	3.041869	3.329147	3.168853	3.178682	3.351955	3.437684	3.938405	3.817963	3.794706	4.728999	4.638459	4.698713	4.127753	4.173346	4.044405
ZNF334	ENSG0000	0.318964	-0.04714	2.074182	0.053131	0.108828	-4.71901	0.216396	0.215206	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.134522	3.414909	3.180357	3.960951	3.946112	3.849837	3.423579	3.562824	3.831562
HSD17B11	ENSG0000	0.666265	4.995158	6.229318	8.08E-06	0.000109	3.549699	4.767504	4.599733	4.611291	6.095309	6.071915	6.154304	5.523124	5.412203	5.485906	4.30932	4.287703	4.289577	4.941045	5.020703	4.992623	4.700972	4.773297	4.775955
SZT2	ENSG0000	-0.1501	5.318161	-2.47864	0.02365	0.057521	-4.51529	5.1077	5.120143	5.207739	5.025739	4.987618	5.203674	4.99237	4.849227	4.837409	5.702088	5.810921	5.479925	5.760552	5.811559	5.784586	5.602102	5.581058	5.544626
ZXDA	ENSG0000	-0.47223	1.779725	-2.83199	0.01128	0.031972	-2.98629	3.071243	3.027527	3.090013	2.359902	2.490996	1.956998	2.226405	2.481727	2.530983	1.891119	2.011405	1.67541	1.689764	1.846087	1.667532	1.681967	1.82352	1.775544
RPS6KL1	ENSG0000	-0.75596	3.069223	-10.381	6.75E-09	4.78E-07	10.72223	3.114469	2.982098	2.982302	2.97776	2.948483	2.865864	2.226405	2.220554	2.376228	3.997596	4.092415	4.063257	3.794228	3.952144	3.754018	3.383205	3.520448	3.291935
QRICH1	ENSG0000	-0.23086	6.306727	-6.19351	8.67E-06	0.000115	3.233551	6.381852	6.24755	6.356437	6.112826	6.051781	6.006972	6.02305	6.040494	6.028417	6.685294	6.603017	6.604754	6.443833	6.498105	6.410754	6.436212	6.446373	6.483982
DDX42	ENSG0000	-0.22401	8.142153	-3.72926	0.001602	0.006789	-2.20275	8.328964	8.31577	8.334738	7.657393	7.642244	7.707465	8.028677	8.058165	7.966376	8.420154	8.418626	8.385173	8.219398	8.163145	8.222419	8.22899	8.253131	8.304169
RPL23A	ENSG0000	-0.03523	9.251868	-0.83355	0.415783	0.537777	-7.28554	9.591347	9.575863	9.586318	9.632219	9.643566	9.583446	9.633238	9.659798	9.660311	9.068709	8.986035	8.929321	8.767723	8.844828	8.845905	8.777989	8.883341	8.909287
SLC29A3	ENSG0000	-1.07355	4.002151	-9.18321	4.20E-08	1.91E-06	8.908224	3.738482	3.608619	3.717332	3.20008	3.329147	3.086148	2.446718	2.540248	2.670735	5.314527	5.21026	5.28001	5.652873	5.648392	5.803856	4.285035	4.221756	4.422617
STYX	ENSG0000	-0.32896	5.311411	-6.47079	5.03E-06	7.47E-05	3.902978	5.266237	5.10962	5.049003	5.015132	5.059965	4.829562	4.637058	4.855002	4.807433	5.896563	5.89081	5.958727	5.692458	5.703069	5.650865	5.561067	5.593376	5.724636
UBL5	ENSG0000	-0.11353	6.524605	-2.65547	0.016379	0.042932	-4.32026	6.727572	6.617999	6.713586	6.633339	6.640761	6.463697	6.452032	6.546187	6.52298	6.470199	6.458142	6.525577	6.550006	6.571452	6.546597	6.452888	6.399208	6.44148
HELZ	ENSG0000	0.051751	6.200493	0.7354	0.47185	0.591546	-7.1519	5.334855	5.337144	5.372225	5.605366	5.543607	5.671913	5.729647	5.786207	5.612649	6.959124	7.080275	6.869883	6.87339	6.804348	6.905894	6.859077	6.779408	6.886862
TMEM116	ENSG0000	-0.04531	3.124174	-0.30642	0.762906	0.833927	-6.65507	3.487617	3.405656	3.431666	3.740513	3.772191	3.666886	3.647218	3.736817	3.783962	3.186323	3.21391	3.439082	2.626498	2.743101	2.661487	3.011667	2.827179	2.896697
UCKL1	ENSG0000	0.138214	5.256193	2.481261	0.023523	0.057261	-4.49668	4.803168	4.929882	5.064177	5.072529	5.212855	5.122998	5.093706	5.043815	5.300358	5.371579	5.485444	5.493859	5.623918	5.520271	5.587414	5.59328	5.581058	5.414576
ZNF485	ENSG0000	-0.62942	3.209777	-5.78848	1.96E-05	0.000214	2.883188	3.662849	3.838426	3.755225	3.083078	2.835252	2.961768	3.072345	2.848856	3.044176	3.825326	3.5985	3.696374	3.617489	3.528394	3.437743	3.181381	3.225651	3.387478
SDAD1	ENSG0000	-0.25049	6.504927	-3.42497	0.003125	0.011587	-2.74156	6.497937	6.503426	6.52631	5.714295	5.547207	5.791585	6.254643	6.254423	6.231692	7.041596	7.093077	7.08408	6.773438	6.779121	6.771244	6.830834	6.834929	6.86835
ZKSCAN8	ENSG0000	0.196381	5.091422	2.267586	0.036297	0.080526	-4.88252	4.456406	4.418344	4.406272	4.660937	4.600983	4.745826	4.932837	4.981823	4.813478	5.393783	5.446069	5.401609	5.93335	5.970071	5.920261	5.46375	5.462956	5.461988
PHETA1	ENSG0000	0.133845	4.235259	1.32621	0.201841	0.307208	-6.12604	4.439509	4.293732	4.320409	4.472198	4.580048	4.386706	4.293266	4.194045	4.296723	3.831846	3.860515	4.12026	4.71259	4.553723	4.610269	4.32395	4.30899	4.044405
HYLS1	ENSG0000	-0.15057	3.055875	-0.87369	0.394135	0.515762	-6.36192	3.313074	3.248262	2.982302	3.441022	3.394558	3.321269	3.296733	2.938616	3.044176	3.536933	3.554746	3.722908	2.638129	2.700737	2.716753	3.501087	3.404065	3.375875
ZNF442	ENSG0000	-0.24132	-1.70141	-1.24302	0.230279	0.34108	-5.37552	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.787595	1.752042	1.718241	1.446877	1.203912	1.488568	1.571317	1.67689	1.058313
ZNF813	ENSG0000	0.156267	0.492696	1.537697	0.142029	0.234243	-5.83027	0.106501	0.215206	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.256032	4.480922	4.580969	4.421787	4.653644	4.67539	4.67449	4.55958	4.580516	4.75819
PIM3	ENSG0000	-0.50172	5.996929	-2.11206	0.049357	0.102612	-5.2876	6.727572	6.863231	7.007503	5.190356	5.371535	5.366721	6.008705	5.981	6.086983	5.884069	5.76526	6.108119	6.305711	6.245274	6.267734	5.859209	5.711094	5.635005
GET3	ENSG0000	-0.36476	6.157386	-6.33438	6.57E-06	9.25E-05	3.55794	6.590142	6.44742	6.570816	6.365449	6.52686	6.438914	6.025902	5.954347	6.046494	6.171788	6.043715	6.133064	6.137669	6.02833	6.025238	5.935182	5.906389	5.864042
ASPH	ENSG0000	0.615195	10.59118	3.951724	0.000982	0.004616	-1.82233	11.45349	11.4991	11.46759	12.01334	11.93344	11.94188	12.18051	12.20953	12.17648	9.364358	9.434701	9.355553	8.640499	8.720248	8.670679	9.848435	9.888897	9.86888
SPRED2	ENSG0000	0.33013	5.868435	4.194804	0.000576	0.003014	-0.96769	5.825812	5.671183	5.678645	5.836811	5.782263	5.757249	6.318841	6.343387	6.379591	5.982583	5.9083	5.924843	5.576346	5.560311	5.522983	6.068467	5.973897	5.983532
WWP2	ENSG0000	0.093153	6.341155	0.97831	0.341269	0.462219	-6.92139	6.442476	6.462661	6.57347	6.305774	6.453938	6.308185	6.83525	6.677461	6.711201	6.130072	6.033125	6.173064	6.438022	6.33341	6.391777	6.162119	5.984847	6.058025
GFPT1	ENSG0000	0.131975	7.291858	1.250694	0.227531	0.338103	-6.73018	7.344794	7.392934	7.306026	7.585725	7.408903	7.505078	7.455879	7.533358	7.555663	7.316678	7.290506	7.361171	6.660351	6.720251	6.741572	7.430191	7.36983	7.449221
UVRAG	ENSG0000	0.15962	4.51473	2.581091	0.019132	0.048548	-4.14161	4.615318	4.366251	4.281987	4.576883	4.43213	4.679672	4.673889	4.519046	4.647437	4.451587	4.487097	4.554757	4.785003	4.797675	4.660464	4.630284	4.613145	4.646745
ZNF26	ENSG0000	-0.00263	4.589292	-0.04633	0.963575	0.976433	-7.17476	4.117062	4.190995	4.080323	3.999198	4.167908	4.358792	4.164604	4.09991	4.313883	5.185557	5.221963	5.223525	5.09878	5.000472	5.017597	5.127316	5.271824	5.123395
ITSN2	ENSG0000	0.305702	5.436533	4.656252	0.000211	0.001354	0.131935	5.207561	5.140963	5.22134	5.643745	5.624218	5.735705	5.559008	5.578506	5.577558	5.149472	5.212608	5.047868	5.859507	5.884342	5.929063	5.344748	5.405901	5.359675
BZW1P2	ENSG0000	0.336344	0.377713	1.584274	0.131057	0.220332	-4.89225	1.286899	1.551021	1.088647	1.688986	1.718467	1.575618	1.648695	1.549165	1.38134	1.116489	0.941811	0.993481	0.945898	0.938214	0.651457	1.214313	1.072305	1.170016
OGA	ENSG0000	-0.1402	6.990194	-3.52886	0.002488	0.009654	-2.50325	7.446968	7.473113	7.458085	7.933579	7.85035	7.91937	7.286663	7.408344	7.275972	6.399536	6.460119	6.270714	6.71903	6.718483	6.737402	6.183437	6.27216	6.240231
ZNF658B	ENSG0000	0.722711	-0.0497	2.543616	0.020681	0.051658	-3.2796	1.069823	0.499412	1.028027	1.519216	1.2379	1.422231	0.782422	1.658879	0.735084	0.609835	0.583785	0.726056	1.248697	1.282615	1.284217	1.017342	1.206659	0.872651
MT1F	ENSG0000	0.370912	4.288496	1.978158	0.063895	0.125698	-5.28663	4.505944	4.330447	4.43574	3.359513	2.762786	3.086148	5.342749	5.146277	5.321722	4.64911	4.641483	4.560653	4.102013	4.288839	4.199397	4.783949	4.625193	4.577525
TCAF1	ENSG0000	-0.50927	5.491688	-3.63107	0.001988	0.008051	-2.09822	6.546092	6.565063	6.467605	5.70112	5.641162	5.640377	5.722633	5.650007	5.677057	5.04952	5.115559	5.091284	5.158554	5.320261	5.243746	4.900099	4.910886	5.077574
ZNF69	ENSG0000	-0.16009	-1.41455	-0.99924	0.331311	0.451393	-5.70662	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.704765	2.053933	1.820066	2.329284	2.363215	2.014873	1.542275	1.581179	1.775544
TXNRD1	ENSG0000	-0.25478	10.08394	-2.2205	0.039868	0.086813	-5.39738	11.27271	11.30934	11.28556	10.647	10.69941	10.65219	11.40068	11.39808	11.36334	9.833337	9.656072	9.770792	8.303747	8.325006	8.37864	9.084255	9.046779	9.117821
NRARP	ENSG0000	-0.23241	1.347368	-1.81919	0.086057	0.15877	-5.05699	1.642349	1.591918	1.954926	0.52061	0.625525	0.830331	1.317361	0.915275	1.38134	3.322191	3.195032	3.464463	1.573426	1.793303	1.801384	3.383205	3.127424	3.254409
ZNF583	ENSG0000	0.898002	3.021651	10.01061	1.17E-08	7.43E-07	10.18688	2.483604	2.283367	2.5366	2.864145	2.904251	2.865864	3.315502	3.122225	3.143496	3.058725	3.106888	2.883807	3.778549	3.940055	3.951255	3.749992	3.84969	3.881648
ZNF568	ENSG0000	0.508283	2.580273	3.466084	0.002856	0.01082	-1.95339	2.137484	2.009193	2.049454	2.103714	2.333126	1.993763	2.667326	2.451551	2.869505	3.013555	3.076267	2.816411	3.835226	3.793216	3.856005	3.383205	3.317614	3.30423
ZXDB	ENSG0000	-0.11385	4.053232	-1.60581	0.126232	0.214186	-5.63852	4.949597	4.953612	5.049003	4.772209	4.648682	4.894191	4.730929	4.87219	4.795267	3.403229	3.439177	3.519989	3.557503	3.410675	3.387537	3.52355	3.485627	3.340497
ZNF480	ENSG0000	0.488505	5.196417	8.304219	1.78E-07	5.66E-06	7.329828	4.309146	4.14364	4.215584	5.05192	4.992907	5.068031	4.950956	4.753535	5.03142	5.447841	5.436055	5.483033	5.995707	5.95963	6.003179	5.761793	5.844183	5.876446
ZNF587	ENSG0000	0.069234	4.578707	1.030224	0.316952	0.436759	-6.59055	4.073915	4.330447	4.249168	4.612502	4.447623	4.473866	4.31208	4.256466	4.261781	4.735102	4.967692	4.654613	5.239047	5.104334	5.255457	4.730238	4.933671	4.910709
TPM2	ENSG0000	-0.64825	3.708225	-5.58269	2.98E-05	0.000295	2.47348	4.42241	4.584615	4.681852	4.746789	4.842803	4.78306	3.916741	3.592179	3.913431	3.255856	3.605665	3.117748	3.581798	3.544454	3.548512	2.782512	2.784842	3.254409
FLVCR1-DT	ENSG0000	0.012581	1.773143	0.077838	0.938841	0.960971	-6.29346	2.90065	2.802095	2.848472	3.041869	3.012388	2.94309	2.933443	3.002451	3.00245	1.704765	1.725977	1.538714	1.218025	1.591687	1.17005	1.250674	1.513652	1.739782
SH3BGRL2	ENSG0000	-0.28019	3.846431	-4.45875	0.000324	0.001907	-0.2778	1.519087	1.551021	1.62731	2.063099	2.366112	2.22781	2.102195	1.549165	1.314712	6.410468	6.347099	6.341773	6.823325	6.773171	6.889453	5.97376	6.063691	6.157942
ZNF808	ENSG0000	-0.18335	2.356786	-1.3881	0.182547	0.284279	-5.70219	2.744313	2.674627	2.37563	1.791994	2.03796	1.840725	1.867984	2.220554	2.165532	2.918737	3.223257	3.109727	3.116795	3.088026	3.085545	3.063688	2.99751	3.215882
ANKRD35	ENSG0000	-1.08337	-1.21867	-4.37689	0.000387	0.002196	0.230631	0.106501	0.215206	0.219246	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	2.749986	2.604605	2.510098	1.308151	1.16289	1.17005	1.833493	1.82352	1.504318
B3GNT6	ENSG0000	-0.62111	-0.84797	-3.26271	0.004455	0.015351	-2.20663	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.265521	3.136872	3.312021	1.897591	1.738515	1.695314	2.509956	2.755911	2.464474
YTHDF2	ENSG0000	-0.17343	7.12713	-3.28409	0.004252	0.014797	-3.0889	7.30025	7.330111	7.272123	6.803259	6.719451	6.78407	7.029648	7.061485	7.055249	7.335727	7.293836	7.339472	7.210305	7.161412	7.120257	7.239821	7.182098	7.242753

NBR2	ENSG0000	-0.42736	2.62389	-3.72327	0.001623	0.006857	-1.35765	2.815895	2.9974	2.933559	2.740812	2.549605	2.924168	2.412257	2.184314	2.005764	3.047564	3.175905	3.085394	3.18974	3.243672	3.335521	3.032701	2.95995	2.760563
TMA16	ENSG0000	-0.5595	5.701726	-7.98296	3.10E-07	8.40E-06	6.713575	6.323181	6.285444	6.370238	5.333837	5.235346	5.373711	5.65424	5.714958	5.670411	6.063762	5.995435	5.994014	5.426782	5.54043	5.51326	5.457931	5.64557	5.557523
ATL1	ENSG0000	-0.28898	1.789828	-1.66434	0.113869	0.197592	-4.93949	2.707144	2.693541	2.776595	3.688057	3.844198	3.982555	2.637802	2.451551	2.560038	1.352446	1.644832	1.333627	1.897591	1.897007	1.610309	1.286141	1.2488	0.93723
MAFK	ENSG0000	-0.23423	7.628292	-2.03516	0.05729	0.115414	-5.48529	9.719365	9.687982	9.802778	9.10748	9.270461	9.144578	9.59654	9.510914	9.646408	5.781704	5.865664	6.085804	5.96602	5.841114	5.946508	5.638576	5.534971	5.431488
ARMH1	ENSG0000	-0.33124	-0.27533	-1.00162	0.330194	0.450199	-5.64871	0.503316	0.106501	0.323815	0.52061	1.087782	0.461789	0.106501	0.509405	0.256032	2.033684	1.875739	1.49011	2.83289	2.729118	2.589286	1.387593	1.368306	1.665483
ZNF43	ENSG0000	0.529061	0.391367	2.779978	0.012598	0.035017	-3.4409	0.106501	0.106501	0.219246	0.635873	0.389229	0.106501	0.106501	0.253663	0.256032	3.709722	3.901847	3.839044	3.840269	3.90938	3.880413	3.98397	4.357943	4.551975
GPN1	ENSG0000	0.105703	5.960721	1.573136	0.133614	0.223574	-6.18258	5.655787	5.776943	5.738987	5.396478	5.296516	5.253794	5.628203	5.689327	5.690258	6.421317	6.209259	6.297442	6.346162	6.372168	6.418067	6.532575	6.499699	6.517369
ZNF28	ENSG0000	-0.11923	4.618401	-2.72793	0.014064	0.038102	-3.92613	4.192962	4.115866	4.102541	4.103016	4.120365	4.241401	3.866715	4.019913	3.913431	5.283944	5.242793	5.339521	5.333285	5.372923	5.422676	5.253625	5.179522	5.194471
ITGBL1	ENSG0000	-0.19914	3.22316	-1.04831	0.308775	0.428431	-5.75665	6.593965	6.763828	6.63065	7.142341	7.076608	7.080657	6.386973	6.620963	6.39781	1.199504	0.89579	0.958181	0.945898	0.7293	0.812339	0.837776	1.072305	0.734116
ZNF511	ENSG0000	0.271743	3.160404	2.906164	0.009628	0.028234	-3.17934	3.27548	2.950996	3.28395	3.425084	3.260629	3.377995	3.632324	3.535768	3.614278	3.331423	3.250939	3.380287	2.995443	3.098942	3.042931	3.366734	3.449945	3.487904
ZNF627	ENSG0000	0.322667	3.357456	4.898644	0.000125	0.000904	1.035448	2.798329	2.966631	2.883112	3.77864	3.747367	3.689474	3.370387	3.002451	3.143496	3.437834	3.406729	3.269454	4.222798	4.164465	4.213876	3.6717	3.667508	3.611778
WDHD1	ENSG0000	-0.13974	4.420538	-0.78498	0.442974	0.563832	-6.88282	4.450796	4.395423	4.235828	3.80351	3.772191	3.868406	4.13321	4.256466	4.207726	5.680576	5.660785	5.681416	3.422776	3.375198	3.454098	5.473398	5.52857	5.600528
ZNF789	ENSG0000	-0.0156	2.585235	-0.10926	0.914245	0.943252	-6.61697	2.815895	2.403106	2.848472	2.457149	2.762786	2.675323	2.981245	2.676938	3.162566	3.155466	3.116952	2.671369	2.872818	2.824271	2.942182	2.819293	2.552239	2.975687
CTNND1	ENSG0000	-0.3073	8.646887	-7.33486	9.86E-07	2.12E-05	5.281159	7.882705	7.885106	7.894627	7.834498	7.848893	7.795345	7.349482	7.452818	7.418625	9.666794	9.649912	9.602827	9.690969	9.678941	9.711807	9.438768	9.451434	9.472468
DDX39B	ENSG0000	-0.35163	5.265017	-5.89565	1.57E-05	0.000182	2.768138	5.220808	5.011285	5.16263	5.277258	5.109506	5.334836	4.765467	4.955186	4.889843	5.640283	5.785907	5.542338	5.684066	5.629696	5.680705	5.139487	5.331868	5.311765
SLC34A3	ENSG0000	0.010653	-0.86399	0.035604	0.972001	0.98176	-6.19969	0.41387	0.215206	0.219246	0.106501	0.25478	0.106501	0.269385	0.106501	0.256032	1.490718	1.616737	1.631268	2.491955	2.190279	2.34809	1.970607	1.478665	1.461048
SPANXC	ENSG0000	-0.40497	-1.24406	-2.3433	0.03117	0.071387	-3.87806	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.543041	2.531245	2.522234	1.597456	1.393161	1.355599	2.115663	2.274787	2.091498
AC073343.	ENSG0000	0.276139	-0.33392	1.119282	0.278167	0.395639	-5.50222	0.587539	0.215206	0.219246	0.635873	0.828511	0.3528	0.548589	0.509405	0.39151	1.646779	1.467416	1.562415	1.573426	1.652223	1.488568	1.512637	1.795362	1.461048
NUDT16	ENSG0000	0.476343	5.706405	3.067539	0.006805	0.021471	-3.35557	4.884496	4.691972	4.835673	6.294854	6.250358	6.386308	5.665257	5.749473	5.839908	5.693164	5.749173	5.71749	5.992313	5.965605	6.056369	5.81588	5.819927	5.847335
TLK1	ENSG0000	-0.18702	6.754139	-1.63772	0.119356	0.205139	-6.15212	7.388739	7.382773	7.302831	6.542081	6.430738	6.532467	7.000948	7.132154	7.056524	6.528559	6.603911	6.601898	6.576695	6.628123	6.608179	6.430279	6.551125	6.53051
LRBA	ENSG0000	0.816935	6.217088	9.705341	1.86E-08	1.04E-06	9.555872	5.1077	5.044814	5.079193	6.424759	6.340256	6.549545	6.164346	6.214549	6.22717	6.156285	6.206905	5.923699	6.921776	6.943316	6.954843	6.646974	6.658586	6.737337
MMP17	ENSG0000	0.852215	3.838267	3.741531	0.001559	0.006658	-1.33934	5.034569	5.147837	5.11242	6.574952	6.620398	6.494489	6.017329	5.727605	5.875015	2.163418	1.588084	1.800268	2.399306	2.016959	2.18129	2.782512	2.99751	2.252429
BAZ1A	ENSG0000	0.047171	6.786016	0.71141	0.486217	0.604556	-7.22861	5.715497	5.738755	5.922947	6.274985	6.19406	6.271226	6.037254	5.991525	6.074452	7.610113	7.652785	7.585952	7.540532	7.586232	7.607526	7.543525	7.524174	7.555897
COPS8	ENSG0000	-0.25015	6.567774	-5.68157	2.43E-05	0.000251	2.15093	6.911398	6.890125	6.732706	6.34865	6.302412	6.29167	6.587536	6.591862	6.643251	6.96877	6.903329	6.848955	6.216398	6.2029	6.12437	6.628094	6.630969	6.683057
PPIAP22	ENSG0000	-0.00567	4.636088	-0.09062	0.928827	0.953393	-7.06051	5.411954	5.407565	5.234814	5.329563	5.185395	5.110498	5.319693	5.404348	5.482116	4.256985	4.171799	4.112253	3.918659	3.90938	4.056758	4.072963	4.029668	4.203832
CCDC69	ENSG0000	0.757696	1.724832	1.817089	0.086391	0.159283	-4.70084	2.245129	1.708084	2.399755	4.472198	4.204846	4.34463	2.576877	3.002451	2.670735	1.278001	1.335727	1.094478	1.392977	1.282615	1.209118	1.65509	1.513652	1.626848
MDM4	ENSG0000	-0.25333	4.136023	-2.73383	0.01389	0.037725	-3.69126	4.917414	4.813666	4.804386	4.619522	4.42432	4.702062	4.659269	4.938965	4.606245	4.054455	3.919204	3.754117	3.719554	3.806595	3.734067	3.439417	3.458949	3.669942
RYR2	ENSG0000	-0.49676	0.562306	-1.93742	0.069026	0.13363	-4.31061	5.956277	6.050734	6.073013	5.704425	5.930216	6.04688	5.55111	5.676339	5.408147	0.106501	0.185134	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
KLHL9	ENSG0000	-0.10791	5.569924	-1.68223	0.110303	0.192925	-5.88668	6.174524	6.122277	6.140783	6.117792	5.924691	6.0137	5.98838	5.996758	6.025816	5.096306	5.113047	5.068705	5.225618	5.350262	5.39964	5.012893	4.99066	5.088278
NCOA6	ENSG0000	0.344393	6.387501	7.546528	6.71E-07	1.58E-05	5.854135	5.887335	6.011704	6.021469	6.420746	6.321458	6.574031	6.300115	6.383897	6.405835	6.311303	6.410864	6.326282	6.69904	6.64125	6.633531	6.635848	6.62698	6.686583
STK39	ENSG0000	-0.34435	6.097049	-3.29331	0.004167	0.014579	-2.97718	5.263039	5.201677	5.214556	5.67103	5.48099	5.528939	4.428731	4.637703	4.549426	7.27721	7.220473	7.28442	7.028923	7.151616	7.175548	6.996569	7.046818	7.095784
C6orf89	ENSG0000	0.226255	6.785625	4.670065	0.000205	0.001326	-0.02324	6.223057	6.19044	6.232628	6.809411	6.81811	6.836877	6.702513	6.591862	6.571941	6.851737	6.84549	6.831383	7.374019	7.330709	7.390487	6.932961	6.899182	6.957648
CALM1	ENSG0000	1.019212	8.763578	5.099509	8.18E-05	0.000648	0.785541	8.061767	8.181535	8.074462	9.86397	9.695589	9.746492	9.847681	9.827055	9.843171	8.125667	8.139527	8.091131	8.371073	8.408264	8.367351	8.410443	8.36273	8.396062
TTC37	ENSG0000	-0.03401	6.956429	-1.00862	0.326915	0.446815	-6.94829	7.399701	7.388588	7.410643	7.401507	7.374867	7.476138	7.393208	7.382586	7.343327	6.615209	6.595838	6.514228	6.483864	6.531724	6.531263	6.547266	6.472171	6.579383
TUSC1	ENSG0000	0.097086	3.503048	0.667863	0.512944	0.627922	-6.50507	4.059241	4.275018	4.351665	4.612502	4.819175	4.562192	4.411387	4.389749	4.404775	2.918737	2.969234	3.125724	2.638129	2.686334	2.703134	3.16242	2.95995	2.668457
MAGEA1	ENSG0000	-0.2464	1.411897	-0.7687	0.452335	0.572727	-5.70895	7.375473	7.326328	7.374579	6.810945	6.821087	6.655165	7.071657	7.120214	7.088034	0.190076	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.315289
PAPSS2	ENSG0000	1.595259	6.021999	10.42679	6.32E-09	4.54E-07	10.80783	8.426877	8.44277	8.42933	9.967146	9.849309	9.866884	10.19563	10.1083	10.13644	2.47802	2.546219	2.088428	3.116795	3.253475	3.177059	2.843302	3.009816	2.687355
SLC9A6	ENSG0000	0.228686	4.584194	1.781335	0.092243	0.167578	-5.50873	4.996565	4.980813	4.89628	5.456512	5.4273	5.380668	5.574674	5.592401	5.44755	4.146251	4.214605	4.15575	3.95166	3.927863	3.86826	3.824254	3.980496	3.922098
FAN1	ENSG0000	-0.35511	5.325166	-8.85524	7.12E-08	2.86E-06	8.270441	5.851589	5.785783	5.767078	5.350809	5.407631	5.363212	5.478019	5.404348	5.375831	5.413478	5.355466	5.442097	5.012045	5.120493	5.121083	5.085149	5.080907	5.109451
ABCA4	ENSG0000	-1.01954	-0.73405	-4.10451	0.000702	0.003513	-0.34335	0.318509	0.316291	0.106501	0.258133	0.25478	0.106501	0.106501	0.106501	0.256032	2.693825	2.618839	2.460504	2.096181	2.451029	1.876113	1.759719	1.851139	1.546329
EIF1AY	ENSG0000	-0.2816	4.610699	-4.56612	0.000257	0.001581	0.077539	5.313374	5.269425	5.207739	4.753186	4.789085	4.627987	5.009762	5.197177	5.169792	4.671093	4.679329	4.635187	3.965575	4.011117	4.040604	4.156784	4.258317	4.370952
MT-ND6	ENSG0000	0.079689	3.848448	0.496378	0.625813	0.725437	-6.76203	4.339825	4.354415	3.914407	4.272916	4.439897	4.414089	4.583863	4.519046	4.795267	4.076585	3.524821	3.848714	3.039964	3.436722	3.186878	3.501087	3.458949	3.498643
IPO9	ENSG0000	-0.22908	7.408893	-3.64285	0.001937	0.007899	-2.32517	7.726043	7.735146	7.765392	7.609718	7.613342	7.657499	7.560877	7.532457	7.495836	7.475014	7.496782	7.422354	6.947712	6.886965	6.936772	7.215882	7.186848	7.256264
CEP290	ENSG0000	-0.56416	4.347051	-5.67149	2.48E-05	0.000255	2.520307	5.316463	5.507143	5.511583	4.714371	4.764552	4.809079	4.709802	5.002785	4.978598	3.938405	4.152359	4.059098	3.850304	3.884362	3.916269	3.545669	3.587665	3.432977
MT-CO2	ENSG0000	0.278925	9.492049	3.412837	0.003209	0.01181	-2.94392	9.821536	9.731814	9.561637	10.24006	10.2829	10.08143	10.21529	9.890464	10.22457	8.890648	8.552569	8.753874	9.239993	9.422092	9.344993	8.810514	8.962435	8.87054
GLMP	ENSG0000	0.141634	6.364092	3.618878	0.002042	0.008209	-2.256	5.962204	5.954048	5.899874	6.932892	6.966647	6.99144	6.114309	6.080481	6.061811	6.132715	5.999521	6.133064	7.065994	6.963613	6.973399	6.256781	6.221476	6.18146
TOGARAM	ENSG0000	0.130945	5.109818	1.835136	0.083563	0.155397	-5.62604	4.605251	4.262405	4.301326	4.863733	4.733289	5.010886	4.629578	4.651042	4.542164	5.400378	5.448064	5.383428	6.202755	6.130274	6.164677	5.561067	5.549795	5.368484
ANKRD13B	ENSG0000	-0.37629	4.325096	-3.49871	0.002658	0.01021	-2.21062	4.564268	4.522504	4.611291	4.052041	4.493129	4.218286	3.647218	3.619579	3.832397	4.634266	4.634494	4.69001	4.667899	4.619633	4.660464	4.63373	4.49118	4.607598
ECI2	ENSG0000	-0.18754	4.805074	-1.85475	0.080582	0.151408	-5.46541	5.672757	5.683061	5.638658	5.087795	5.190008	5.041937	5.233498	5.550308	5.355259	4.412971	4.314187	4.264509	4.373047	4.420842	4.456413	4.262954	4.178806	4.370952
UNC13B	ENSG0000	0.323577	5.224539	4.332565	0.000427	0.002372	-0.53998	4.753899	4.701347	4.498524	5.740289	5.565074	5.751893	5.049544	5.108097	5.136423	5.12579	5.1649	5.085161	5.688268	5.720844	5.656176	5.319295	5.331868	5.377239
MT-CYB	ENSG0000	0.167974	9.047158	2.008844	0.060258	0.120272	-5.71561	9.100661	9.025194	8.831649	9.468383	9.46833	9.466723	9.455059	9.085959	9.477757	8.883016	8.506181	8.679114	9.03847	9.215853	9.163899	8.647499	8.708699	8.67848
LDB1	ENSG0000	-0.00779	5.462173	-0.169	0.867739	0.910943	-7.23681	5.847324	5.675946	5.705507	5.89871	6.039053	5.979739	5.747035	5.673074	5.646906	5.021274	5.115559	5.043664	5.458289	5.375169	5.420597	5.107626	5.106916	5.077574
PPP1R14C	ENSG0000	-0.47142	1.55454	-4.02372	0.000839	0.004064	-0.93866	0.814199	0.499412	0.219246	0.635873	0.512209	0.830331	0.415731	0.387194	0.735084	4.81954	4.68948	4.786248	4.323482	4.321825	4.324754	4.298124	4.283876	4.229846
CTR9	ENSG0000	-0.09966	6.413208	-2.57491	0.01938	0.049054	-4.48949	6.004946	5.839841	5.957896	6.046662	5.87112	5.906913	5.891633	5.973056	5.81602	6.99006	6.977698	7.025599	7.00217	6.925798	6.955561	6.880265	6.861484	6.843293
SMOC1	ENSG0000	1.008731	2.064147	4.823135	0.000147	0.001028	1.107757	8.374127	8.447652	8.462994	9.595755	9.565391	9.591339	9.499338	9.357394	9.491254	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
F5	ENSG0000	-0.22929	3.626531	-3.0593	0.006927	0.021741	-3.30578	1.12723	1.420874	1.088647	1.978268	1.864131	2.196611	1.160105	1.301009	1.445026	6.441708	6.571345	6.367227	6.734689	6.632825	6.656679	6.168073	6.188024	6.267173
MSRB1	ENSG0000	0.102907	4.689082	0.540889	0.595411	0.699071	-6.99229	4.02189	3.983805	4.02711	5.082724	5.296516	5.207592	4.402637	4.282412	4.288067	5.162464	5.043519	5.099408	4.798023	4.879081	4.759194	5.102661	5.104049	4.934632
ZNF652	ENSG0000	-0.15344	4.546514	-2.59882	0.018438	0.04714	-4.10439	5.089762	5.073976	5.101429	4.517996	4.455308	4.598452	4.944941	4.928048	4.978598	4.480922	4.57733	4.453822	4.238165	4.24529	4.25646	4.361843	4.333674	4.353311
SMURF1	ENSG0000	-0.2294	6.97952	-4.04193	0.000806	0.003933	-1.42323	6.94571	7.032486	7.044316	6.910172	6.972014	6.966224	6.67734	6.637811	6.717662	7.311439	7.174234	7.250625	6.968591	6.960624	6.986811	7.140979	7.109626	7.038063
SLC5A3	ENSG0000	0.343406	5.502327	3.241437	0.004666	0.015952	-3.00951	4.941618	4.980813	4.908943	5.092847	4.998178	5.377194	5.701383	5.567996	5.643517	6.017322	6.124502	5.752683	5.436806	5.476997	5.447393	6.003363	6.08129	6.099179
GPATCH3	ENSG0000	-0.28903	4.136281	-4.75262	0.000172	0.001157	0.527404	4.495082	4.287521	4.424025	3.977507	3.709312	3.786958	4.264577	3.988732	4.170531	4.561593	4.540416	4.681918	4.114557	4.073319	3.951255	4.386563	4.298997	4.249053
CDC42BPB	ENSG0000	-0.29062	7.266956	-4.10598	0.0007	0.003508	-1.30247	7.485208	7.393657	7.482999	7.199673	7.213179	7.221967	6.909708	6.882213	6.910477	7.279001	7.405818	7.299483	7.537042	7.443126	7.521388	7.293092	7.236779	7.265725
PLXNB3	ENSG0000	0.643478	3.579982	6.234964	7.99E-06	0.000108	3.744316	3.236881	2.886707	3.309643	3.910405	4.040879	3.991672	3.315502	3.3682	3.572114	3.246125	3.373534	3.353367	4.32708	4.220515	4.355551	4.222335	4.156841	3.814473
RPL10A	ENSG0000	-0.07121	8.980602	-1.66226	0.114289	0.19808	-6.27848	9.269524	9.209364	9.20677	9.158977	9.214958	9.127877	9.052869	9.069289	9.11445	8.795035	8.72471	8.696958	8.911686	8.974394	8.94777	8.712692	8.767859	8.749321
MT-ND2	ENSG0000	0.312595	9.595674	4.299411	0.000459	0.002517	-1.02184	9.430332	9.346946	9.207838	9.958868	10.0117	9.894336	9.938644	9.459008	9.711991	9.370669	9.135378	9.169258	9.756133	9.980524	9.94719	9.393116	9.619576	9.426109
RASSF9	ENSG0000	-0.07561	1.447651	-0.3936	0.698637	0.784692	-6.232	1.791852	2.232543	2.166567	2.181668	1.953662	2.132113	2.186178	2.220554	1.918715	2.18395	2.032826	1.858866	1.473091	1.16289	1.639204	1.948641	2.030948	1.546329
FAM169A	ENSG0000	-0.02781	3.576476	-0.31587	0.755841	0.829003	-6.7365	4.467563	4.401188	4.394314	4.333937	4.186495	4.28655	4.264577	4.332946	4.380548	3.206534	3.204502	3.043904	2.626498	3.098942	2.942182	3.209363	3.160915	3.241681
ZNF830	ENSG0000	-0.13735	4.414601	-1.82179	0.085647	0.158178	-5.48638	4.825019	4.696667	4.74442	4.495279	4.167908	4.315882	4.520565	4.459641	4.542164	4.521821	4.427694	4.437893	4.417596	4.446707	4.440084	4.410866	4.555551	4.274271
MT-ND5	ENSG0000	0.356076	8.998747	2.606815	0.018134	0.046503	-4.59649	8.465646	8.367109	8.241037	9.807076	9.836126	9.860677	9.255687	8.90677	9.282941	8.913497	8.507855	8.707294	9.218969	9.366858	9.335783	8.608628	8.687789	8.663347
CNOT7	ENSG0000	-0.20917	6.519214	-4.9665	0.000109	0.000808	0.650742	6.962565	6.976637	6.972745	6.573146	6.495526	6.566424	6.655407	6.695276	6.777641	6.439576	6.440218	6.448971	6.260335	6.256285	6.257287	6.256781	6.333415	6.27344
TMEM184	ENSG0000	-0.06555	5.91622	-1.14384	0.268114	0.384566	-6.70673	5.86008	5.642269	5.801441	5.68113	5.938464	5.688828	5.67619	5.567996	5.719525	6.153685	6.068559	6.06625	6.389816	6.20921	6.282691	6.145318	6.036884	6.010044
MTOR	ENSG0000	0.127183	6.266523	1.863044	0.07935	0.14955	-5.74999	5.641082	5.639833	5.850403	6.320926	6.287422	6.34422	6.051319	5.967735	5.842866	6.572048	6.547358	6.424122	6.694173	6.665316	6.653142	6.574416	6.520275	6.557723
SCAMP5	ENSG0000	-0.04779	2.968439	-0.35726	0.725174	0.805228	-6.57891	2.933205	3.027527	2.99819	3.875646	3.820593	3.776446	2.696258	2.596487	2.748518	2.856146	2.889287	3.018425	3.416036	3.487446	3.454098	2.924322	3.37582	2.880366
ALPK2	ENSG0000	0.101442	2.132718	0.247069	0.807734	0.867352	-5.96887	7.412024	7.443391	7.437839	8.153251	8.060174	8.124447	7.620582	7.585526	7.545711	0.34397	0.398185	0.288049	0.234608	0.190544	0.106501	0.106501	0.106501	0.214669
LRIG2	ENSG0000	0.216574	4.216901	2.632224	0.017196	0.044621	-3.95151	4.2778	4.058659	4.195052	4.392481	4.368438	4.480358	4.629578	4.690335	4.467457	4.087524	4.14254	3.982106	4.427684	4.425185	4.377153	4.108069	4.134537	4.080593
MT-CO1	ENSG0000	0.404158	10.52654	3.171818	0.005429	0.018015	-3.52585	10.33793	10.27854	10.23173	11.14292	11.25261	11.19483	11.28112	10.95807	11.2456	10.25779	9.929086	9.997987	10.36296	10.56001	10.49822	9.96047	10.00054	10.00656
PNP	ENSG0000	0.304551	7.516618	2.505698	0.022368	0.054989	-4.72885	7.404062	7.362234	7.348478	6.982739	6.902042	7.00726	8.183566	8.13731	8.233682	7.964042	7.926098	7.984693	6.864134	6.867149	6.874341	7.803872	7.79294	7.815731
PAX9	ENSG0000	-0.40525	4.390747	-5.96034	1.38E-05	0.000164	2.928174	3.420312	3.537122	3.576275	3.290819	3.242978	3.152687	3.423261	3.318907	3.373665	6.041432	6.042395	6.115147	5.109264	5.160118	5.071593	5.582622	5.578995	5.649533
GK	ENSG0000	0.748298	2.349669	3.597443	0.00214	0.008522	-1.53186	2.109269	2.425906	2.423483	2.864145	3.295295	3.247073	3.238915	3.462004	3.437684	2.409929	2.42184	2.369387	2.062048	1.819936	2.10048	2.554269	2.500854	2.668457
FOXJ3	ENSG0000	0.63253	5.916339	10.71553	4.17E-09	3.22E-07	11.10469	5.429176	5.393175	5.258094	6.144804	6.108926	6.202215	6.119658	6.060626	6.01011	5.698525	5.785907	5.580563	6.189971	6.120934	6.114114	6.242181	6.185314	6.302841
ZNF358	ENSG0000	0.144536	3.385035	1.274583	0.219142	0.328379	-6.027	2.965042	3.260998	3.148134	3.255206	3.441741	3.18484	3.115825	3.196885	3.340558	3.411958	3.547323	3.691009	4.330668	4.190213	4.306856	3.928936	3.667508	3.487904
SFT2D1	ENSG0000	-0.18377	5.27198	-2.25419	0.037281	0.082274	-4.88372	5.79071	5.745568	5.794633	5.506594	5.399687	5.66623	5.875913	5.767957	5.839908	5.242946	5.059262	5.131452	4.808355	4.968095	4.829829	4.691084	4.81246	4.684858
CHAMP1	ENSG0000	-0.08586	5.251049	-1.32221	0.203142	0.308876	-6.38754	5.417718	5.496413	5.372225	5.087795	4.939117	5.219282	5.54317	5.458458	5.559688	5.481405	5.374467	5.4389	5.042999	5.014952	5.156493	5.319295	5.121165	5.177863
INPP5F	ENSG0000	-0.47875	4.37723	-4.93476	0.000116	0.000851	0.892859	4.825019	4.881217	4.874926	4.236852	4.091068	4.293939	3.965091	4.09991	3.935772	4.710546	4.806033	4.601264	4.464081	4.455227	4.355551	4.581158	4.534411	4.365096
ARHGAP11	ENSG0000	0.14075	5.294022	0.670124	0.511536	0.626629	-7.05887	5.964175	5.959918	5.841623	5.294904	5.217382	5.280077	6.362363	6.409631	6.220361	5.785068	5.771644	5.748815	3.18974	3.272884	3.137101	5.59328	5.639643	5.552378
SUCNR1	ENSG0000	1.975671	1.616327	3.649085	0.001911	0.007809	-1.18147	6.159124	6.234694	6.003871	8.043357	7.891999	7.991586	8.134863	8.199344	8.175614	0.190076	0.185134	0.288049	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
HMGN2	ENSG0000	0.104154	7.404797	1.796338	0.089746	0.163795	-5.97902	7.162016	7.151831	7.068973	7.206682	7.179939	7.126903	7.319577	7.435578	7.31591	7.76208	7.687387	7.755541	7.363547	7.362762	7.353367	7.696756	7.759625	7.737992
SELENOM	ENSG0000	0.281368	3.866019	1.686805	0.109407	0.191835	-5.35122	4.574623	4.614695	4.621585	6.272761	6.352653	6.208094	4.792514	4.690335	4.849226	2.14259	2.115463	2.693003	3.318207	3.512154	3.225499	3.043104	2.649824	2.570068
UBE2J1	ENSG0000	0.096807	5.984579	1.969132	0.065001	0.127575	-5.506	6.405248	6.36133	6.42563	6.398473	6.397219	6.453835	6.473082	6.310139	6.433574	5.593087	5.5776	5.561577	5.47622	5.528368	5.487671	5.794488	5.716735	5.767446
GJC2	ENSG0000	0.976883	-0.26374	3.461509	0.002884	0.010903	-1.5364	1.235614	0.875715	1.62731	1.256461	1.006428	1.422231	1.459147	1.85606	1.674905	0.415169	0.524532	0.449284	0.562188	0.550009	0.335616	1.017342	0.637375	1.115245
OPA1	ENSG0000	0.390127	6.2525	10.36578	6.90E-09	4.87E-07	10.55935	5.864307	6.03228	6.033084	6.36336	6.237045	6.340657	6.309508	6.375885	6.31288	6.120784	6.084032	6.078631	6.388095	6.435972	6.417024	6.479942	6.473282	6.55129
DENND4B	ENSG0000	0.008398	6.528851	0.215483	0.831885	0.885135	-7.4207	6.539499	6.441838	6.617852	6.551287	6.537759	6.48806	6.587536	6.547971	6.598441	6.559335	6.646221	6.512708	6.564555	6.545754	6.425343	6.54818	6.554279	6.542236
ZNF277	ENSG0000	0.500877	3.707993	4.460848	0.000323	0.001901	0.040306	3.17016	3.657602	3.24453	4.161901	3.747367	4.000731	4.13321	3.999201	3.968647	3.60703	3.390227	3.45816	4.215053	4.250194	4.364231	3.711377	3.942484	3.761956
MT-ND3	ENSG0000	0.218048	7.66231	2.171714	0.043908	0.093607	-5.3393	7.814441	7.654789	7.621509	7.845017	8.012789	7.792739	8.136183	7.717389	7.534776	7.326523	7.395003	7.042551	7.672584	7.849212	7.905735	7.582829	7.755064	7.397082
KTI12	ENSG0000	-0.06508	4.41387	-0.92169	0.369239	0.491043	-6.6339	4.584905	4.719916	4.73022	4.502891	4.648682	4.690911	4.496094	4.389749	4.444269	4.359822	4.399113	4.469576	4.257146	4.312477	4.242405	4.555953	4.362748	4.520707
SELENOT	ENSG0000	0.306542	6.578959	5.156811	7.25E-05	0.000589	1.049108	6.397977	6.476378	6.348712	6.732178	6.610109	6.766914	6.867405	6.862281	6.909066	6.521518	6.508705	6.479636	6.420449	6.441343	6.388589	6.643559	6.629972	6.698276
TOX	ENSG0000	-0.09632	-0.35424	-0.29283	0.773101	0.841005	-6.17007	0.882475	0.736739	0.421314	0.258133	0.389229	0.106501	0.269385	0.387194	0.256032	1.352446	1.672391	1.718241	2.178139	2.148862	2.07955	1.734264	1.851139	1.546329
RUSC2	ENSG0000	-0.1853	5.334746	-1.07047	0.298968	0.417758	-6.62633	6.750589	6.675021	6.72914	5.487537	5.703792	5.428451	6.259498	6.234624	6.371418	4.521821	4.494836	4.425022	4.690417	4.619633	4.512148	4.61293	4.773297	4.515429
FICD	ENSG0000	-0.06327	3.059412	-0.40269	0.692061	0.779705	-6.52454	3.701161	3.695626	3.828148	4.54774	4.360275	4.315882	3.315502	3.491964	3.668646	2.708071	2.437987	2.382761	2.770846	2.612083	2.618601	2.731965	2.535313	2.760563
OSTC	ENSG0000	0.256881	6.532846	6.279896	7.31E-06	0.000101	3.399545	6.675605	6.802456	6.633196	6.762618	6.580549	6.737409	6.88636	6.967319	6.927299	6.212331	6.209259	6.235211	6.275309	6.176092	6.292956	6.452888	6.515967	6.542236
R3HDM4	ENSG0000	0.094186	5.654219	1.290946	0.213537	0.321672	-6.48075	5.806172	5.792378	5.893516	5.790912	5.830334	5.867836	5.736627	5.602735	5.703339	5.481405	5.438064	5.564514	5.522452	5.464391	5.449434	5.845901	5.779172	5.738293
TSEN15	ENSG0000	-0.18892	6.262362	-2.75986	0.013146	0.036202	-4.09707	6.819693	6.8187	6.799965	5.800209	5.757614	5.830214	6.54443	6.629411	6.579055	6.416987	6.341745	6.403766	5.82048	5.890637	5.905471	6.29319	6.196124	6.233818
LTN1	ENSG0000	0.035302	5.444859	0.444945	0.661821	0.756451	-7.20815	4.730936	4.830853	4.904734	5.294904	5.171467	5.35617	5.198536	4.987092	5.087374	5.97524	6.071149	5.800804	5.855776	5.943067	5.917315	5.906981	5.768349	5.845233
RUNDC1	ENSG0000	0.142672	5.838624	3.90762	0.001082	0.004986	-1.57885	5.995343	5.96187	6.011719	5.927278	5.970993	5.963613	6.148732	6.138456	6.206646	5.764766	5.694779	5.659606	5.508262	5.583812	5.596651	5.808277	5.844183	5.780706
GRK5	ENSG0000	-0.07514	2.056411	-0.40863	0.687775	0.776719	-6.51425	1.861169	1.591918	1.706811	2.063099	2.333126	1.919272	1.459147	1.85606	1.777424	3.385609	3.023743	3.38694	2.466086	2.612083	2.399663	3.113899	3.160915	3.291935
TYW1	ENSG0000	0.197285	5.272626	4.179093	0.000597	0.003094	-0.90587	5.266237	5.325066	5.207739	5.185634	5.321958	5.261353	5.574674	5.571508	5.548858	5.319175	5.22894	5.210458	5.231389	5.198683	5.076884	5.390277	5.353756	5.323893
DCAF12	ENSG0000	0.911476	5.910526	9.636409	2.06E-08	1.13E-06	9.467989	4.712298	4.673038	4.753809	5.743505	5.806499	5.751893	6.108939	5.967735	6.059269	5.829728	5.945483	5.780738	6.781327	6.750852	6.777756	6.416342	6.552177	6.473133
SFMBT2	ENSG0000	1.082578	-0.89992	5.327958	5.06E-05	0.000445	1.986425	2.744313	2.693541	2.916938	3.376187	3.502343	3.643939	3.916741	3.809996	3.832397	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MT-ND4	ENSG0000	-0.08876	10.02017	-1.1199	0.277911	0.395354	-7.03942	10.6391	10.56757	10.39834	10.84172	10.91816	10.86497	10.68723	10.37567	10.72426	9.593506	9.162051	9.42396	9.462683	9.679963	9.616943	9.097417	9.160493	9.177935
SMC5	ENSG0000	-0.02316	6.735397	-0.28812	0.776643	0.843314	-7.43513	6.416805	6.378964	6.454708	6.554953	6.604936	6.584614	6.564183	6.59359	6.481819	7.210601	7.160311	7.200054	6.660351	6.751716	6.748219	7.045251	7.06167	7.019541
MT-ND1	ENSG0000	0.528092	8.438167	3.937356	0.001014	0.004733	-1.73551	8.052999	8.023742	7.849906	9.379173	9.503269	9.37346	8.935683	8.611213	9.001168	8.088374	7.664412	7.913912	8.29114	8.579508	8.492377	8.037084	8.061398	8.111242
PRMT6	ENSG0000	0.275643	5.949216	4.849544	0.000139	0.000986	0.453499	5.509634	5.452673	5.587063	6.028317	5.989635	6.0137	5.771031	5.75257	5.751363	5.994256	6.041075	6.06106	6.184032	6.20795	6.218323	6.299712	6.339522	6.322618
SHISA4	ENSG0000	0.109004	3.879056	1.515454	0.147534	0.241448	-5.68611	4.333741	4.223893	4.363979	5.097883	5.104628	5.191857	4.185161	4.397684	4.355908	3.002038	3.106888	3.00983	3.90909	3.946112	3.849837	3.358427	3.116085	3.267027
CIPC	ENSG0000	-0.00413	4.858761	-0.0606	0.952367	0.969145	-7.22696	4.635242	4.619648	4.363979	4.350907	4.149079	4.226032	4.420085	4.436718	4.3476	5.351299	5.446069	5.322271	5.479457	5.464391	5.51326	5.406484	5.547687	5.347846
CAPZA2	ENSG0000	-0.00132	7.156578	-0.03023	0.976228	0.984348	-7.4949	7.270302	7.208816	7.216333	7.572221	7.466124	7.455695	7.272324	7.390561	7.371258	7.011039	6.976317	6.944496	7.040473	7.111754	7.098314	6.814986	6.897528	6.889924
MT-ATP6	ENSG0000	0.475226	8.585934	4.493129	0.000301	0.001796	-0.52986	8.462165	8.400947	8.226779	9.180793	9.192432	9.102853	9.248685	8.944839	9.305902	8.292428	7.873271	8.103048	8.391404	8.635636	8.543665	8.159571	8.305232	8.250381
TOP1	ENSG0000	-0.13022	8.011427	-2.10074	0.050459	0.104415	-5.51567	8.017382	8.017657	7.933878	7.608836	7.562662	7.599791	7.821063	7.804277	7.757279	8.517908	8.458746	8.570444	7.7416	7.777988	7.801345	8.429651	8.41889	8.472952
PRC1	ENSG0000	0.166431	5.7547	0.682226	0.504038	0.620056	-7.11027	6.523553	6.426375	6.437331	5.845818	5.907988	6.011461	6.929642	6.992426	6.892029	6.145857	6.073735	6.167279	3.374919	3.512154	3.353069	6.002031	5.891503	5.847335
BHLHB9	ENSG0000	0.311819	2.818293	1.675572	0.111619	0.194636	-5.2581	2.416107	2.49222	2.469799	3.456785	3.531716	3.711713	3.507292	3.26787	3.437684	2.736149	2.969234	3.026968	3.165832	3.173121	3.147195	2.679583	2.680939	2.570068
MAP3K3	ENSG0000	0.899506	3.516608	5.02392	9.61E-05	0.000735	1.247308	2.080492	2.258179	2.018628	4.020568	3.844198	3.838399	3.539581	3.685883	3.572114	3.864012	3.848485	3.769472	4.226655	4.190213	4.21867	4.382472	4.273707	4.347382
L1CAM	ENSG0000	0.02745	1.81754	0.100339	0.921217	0.948247	-6.10091	4.399293	4.543506	4.636889	6.144804	6.19406	6.1624	4.479546	4.68386	4.270596	0.34397	0.330605	0.397516	0.610222	0.837535	0.593579	0.393424	0.759002	0.659518
SREBF2	ENSG0000	-0.16967	7.297969	-4.49795	0.000298	0.001781	-0.43876	7.644832	7.6572	7.734306	7.507474	7.504592	7.487462	7.611118	7.508841	7.541165	7.250691	7.22164	7.192479	6.940098	6.835683	6.87586	7.075973	6.982713	6.965411
C1orf174	ENSG0000	-0.2123	4.501883	-3.10065	0.006335	0.020312	-3.0994	4.688657	4.724521	4.840087	4.199863	4.573001	4.506036	4.462805	4.341199	4.41276	4.799721	4.780934	4.776148	4.264669	4.335734	4.472558	4.67445	4.660745	4.689552
RASGEF1A	ENSG0000	0.36963	1.478093	3.346408	0.003711	0.013266	-2.16463	0.503316	0.582935	0.323815	1.182548	1.2379	1.123626	0.886508	0.622068	0.833554	3.358771	3.232543	3.203153	4.147483	4.340341	4.27499	3.52355	3.595851	3.410407
SPOUT1	ENSG0000	0.014753	6.069342	0.359244	0.723716	0.80411	-7.34675	5.482394	5.499103	5.519862	5.605366	5.589722	5.477948	5.383345	5.462247	5.420081	6.679883	6.658331	6.719223	6.695565	6.616776	6.619099	6.755339	6.759506	6.735068
RPL39	ENSG0000	0.091118	8.323394	2.173654	0.043741	0.093376	-5.38414	8.541183	8.523605	8.475462	8.560859	8.500774	8.493594	8.612368	8.61377	8.648134	8.087012	8.078393	7.95114	8.060186	8.202896	8.225399	8.074966	8.061029	8.195335
DZIP3	ENSG0000	-0.44138	3.528369	-2.89309	0.009901	0.028863	-3.18379	4.871956	4.742796	4.831244	4.132759	4.009905	4.293939	4.445869	4.459641	4.305329	2.906434	2.935512	3.043904	3.048706	3.088026	3.281558	2.611312	2.696248	2.442395
KIAA0753	ENSG0000	-0.19843	4.858543	-3.05293	0.007023	0.021921	-3.24946	4.996565	4.941796	5.033667	5.112883	4.745876	5.024275	4.695544	4.765849	4.505294	4.902409	5.016893	4.934378	5.014278	5.128506	4.981384	4.879929	4.891066	4.797858
DCLRE1A	ENSG0000	-0.07671	4.561684	-1.18096	0.253438	0.368076	-6.35039	5.618738	5.564777	5.528093	5.132645	4.825118	5.063714	5.324334	5.458458	5.424038	4.071084	4.162112	4.003908	3.703037	3.528394	3.600863	4.137495	4.134537	4.101878

ATG9A	ENSG0000	0.689273	6.193858	7.633631	5.74E-07	1.39E-05	6.044305	5.677569	5.668796	5.785507	6.485573	6.613547	6.537145	6.790671	6.510042	6.720882	5.866711	5.911195	5.925985	6.144821	6.161848	6.065712	6.362324	6.311214	6.325637
NOS1AP	ENSG0000	-0.61544	0.923318	-2.99483	0.00796	0.024199	-2.69631	1.561356	1.465573	1.088647	0.934951	0.92021	0.3528	0.782422	1.001115	1.564539	2.679436	2.546219	2.460504	2.009285	2.190279	2.07955	1.992244	2.169028	1.910335
CSAG1	ENSG0000	0.16492	1.017572	1.758187	0.096213	0.173508	-5.69343	0.318509	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.387194	0.106501	5.610256	5.638252	5.680063	5.979798	5.976004	5.929063	5.806751	5.768349	5.81333
APRT	ENSG0000	0.138338	6.842053	2.620581	0.01762	0.045514	-4.43011	6.506075	6.512775	6.553447	6.699426	6.940877	6.729256	6.558286	6.565688	6.532173	6.829103	6.856044	7.065021	7.243997	7.178235	7.209662	7.223334	7.116043	7.074409
GPRASP1	ENSG0000	-0.24451	0.068269	-0.84558	0.409217	0.53102	-5.68437	0.947665	0.875715	0.898566	1.022291	1.437317	1.367251	1.160105	0.509405	1.38134	1.028404	1.403073	1.277453	0.945898	1.428204	0.910419	1.017342	0.975239	0.872651
TBKBP1	ENSG0000	0.411092	2.4735	3.273079	0.004355	0.015074	-2.1741	2.505419	2.61635	2.758051	3.727576	3.796595	3.535905	3.094248	3.141256	3.218306	1.964162	1.8028	2.213454	2.930712	2.756951	2.965187	2.211015	2.212266	1.942153
MAGEE1	ENSG0000	-0.00388	-0.30348	-0.01093	0.991406	0.993936	-5.90035	3.337603	3.128277	3.162305	3.359513	3.012388	3.216292	3.004565	2.894433	2.959482	0.190076	0.106501	0.106501	0.234608	0.190544	0.263213	0.183756	0.2791	0.214669
CCDC167	ENSG0000	0.165815	3.820328	2.689249	0.015258	0.040658	-3.77323	3.86199	3.952741	3.93931	3.80351	3.867423	3.888069	4.057185	3.89093	4.22597	3.87036	3.830249	3.867863	3.814873	3.852467	3.843644	4.161567	3.910024	3.969186
MT-CO3	ENSG0000	0.502909	9.060666	4.448895	0.000331	0.001939	-0.64894	9.017706	8.890552	8.910901	9.877209	9.959966	9.839215	9.96563	9.606446	9.901975	8.553108	8.222557	8.348367	8.731873	8.984362	8.899323	8.45495	8.498823	8.483803
ZFP2	ENSG0000	0.480677	0.53637	2.913255	0.009483	0.027895	-2.80362	0.587539	0.582935	0.679585	0.934951	0.828511	0.830331	0.782422	0.509405	0.39151	1.964162	2.135404	1.969371	2.145912	2.250257	2.382676	2.554269	2.429363	2.610232
L3MBTL3	ENSG0000	-0.40737	3.430652	-4.29793	0.00046	0.002524	-0.31175	3.509372	3.557914	3.39613	3.408969	3.426184	3.247073	2.696258	2.871824	2.643847	4.043261	4.117695	4.079775	3.840269	3.940055	3.843644	3.836267	3.942484	3.856822
DMD	ENSG0000	0.313154	3.236094	1.47849	0.157073	0.253649	-5.80274	2.629805	2.576149	2.830836	2.359902	2.605925	2.164723	3.555458	3.506713	3.421943	3.785574	3.539861	3.652879	4.43437	4.442428	4.550681	3.775173	3.765107	3.716682
MFAP3L	ENSG0000	0.482124	1.554886	1.897884	0.074354	0.141979	-4.47463	3.903656	4.101775	3.914407	4.63346	4.447623	4.627987	4.4712	4.474723	4.396744	0.7264	0.398185	0.683459	0.352262	0.7293	0.533283	0.789161	0.871168	0.409347
NAGA	ENSG0000	0.399907	5.375584	3.264861	0.004434	0.015301	-2.83459	5.583279	5.612764	5.656289	6.340176	6.452019	6.382847	6.249772	6.328935	6.389741	4.755823	4.68948	4.801266	4.662213	4.67539	4.739314	4.755763	4.680124	4.731125
SMG5	ENSG0000	0.398026	7.912265	6.349481	6.38E-06	9.04E-05	3.420133	7.452593	7.399428	7.415828	7.596438	7.607319	7.591569	8.019406	7.945621	7.931365	8.005006	7.939983	7.921664	8.389899	8.288224	8.338185	8.218988	8.236865	8.236414
KIFBP	ENSG0000	-0.14288	5.270643	-2.41524	0.026931	0.063623	-4.56472	5.799565	5.852519	5.826129	5.971842	5.850871	5.880161	5.661594	5.666521	5.566863	5.012691	4.799799	4.885889	4.795429	4.774033	4.817241	4.9115	4.725598	4.802199
TGM2	ENSG0000	0.207956	8.072483	1.403846	0.177884	0.279	-6.57226	8.901431	8.868616	8.903802	8.453489	8.605923	8.524939	8.711354	8.53861	8.639227	7.023197	7.006405	6.982875	7.766984	7.622616	7.714916	7.728123	7.72459	7.698949
ARMCX6	ENSG0000	1.396496	3.946669	6.490572	4.84E-06	7.26E-05	4.271645	3.530804	3.608619	3.359697	5.790912	5.745129	5.73299	5.374422	5.293887	5.388034	2.83033	2.991286	2.816411	3.640803	3.731427	3.658454	3.218571	3.277464	3.202807
PJA2	ENSG0000	0.198503	6.500092	2.146993	0.046096	0.097295	-5.26971	5.962204	5.930325	5.963976	7.044025	6.783426	6.913232	6.540447	6.586665	6.445301	6.444902	6.446217	6.351158	6.928304	7.010614	7.026995	6.23766	6.261907	6.428903
SGMS1	ENSG0000	0.436619	4.854245	2.063828	0.054207	0.110531	-5.07952	4.933595	4.925889	5.052811	6.286057	6.147385	6.215895	5.712047	5.727605	5.791729	4.341661	4.327249	4.314216	4.046359	3.976023	3.974116	4.236002	4.232297	4.197255
SNORD104	ENSG0000	0.304407	0.279109	1.236277	0.232712	0.343795	-5.32058	1.12723	0.8079	1.028027	1.519216	1.666451	1.575618	1.074544	1.15884	1.244857	0.781331	1.228418	1.158083	1.018891	1.2438	1.129895	0.837776	1.406038	1.370407
7SK	ENSG0000	-0.05533	4.66663	-0.38629	0.703947	0.788915	-7.03578	4.456406	5.247194	4.042515	4.815644	4.998178	4.756563	4.437325	4.796183	4.497806	4.660143	4.555295	4.657367	5.152484	5.226323	5.176344	4.650836	4.668528	4.268007
ZNF525	ENSG0000	0.140955	2.041049	1.222797	0.237639	0.34955	-6.3851	1.069823	0.499412	0.512639	0.52061	0.512209	0.3528	0.782422	0.622068	0.106501	5.458414	5.489323	5.435695	5.474599	5.562284	5.437146	5.700678	5.593376	5.617869
NA	ENSG0000	0.442223	-1.53168	2.374761	0.029245	0.067828	-3.68767	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	1.490718	1.369793	1.46518	1.878105	1.622273	1.900186	1.482378	1.645686	1.739782
INF2	ENSG0000	0.263671	7.604394	3.04311	0.007173	0.022299	-3.6327	7.168012	7.210458	7.369244	7.464263	7.65981	7.380469	7.218494	7.085019	7.237147	7.444494	7.505427	7.590282	8.23958	8.148444	8.169857	8.054222	8.108647	7.96742
IQANK1	ENSG0000	-0.02377	3.773289	-0.21796	0.829983	0.883781	-7.22666	2.629805	2.674627	2.446827	1.74141	1.612488	1.669505	1.459147	1.430416	1.244857	6.311303	6.258958	6.206354	6.078073	5.970071	5.911405	6.342456	6.380376	6.386167
AC083799.	ENSG0000	0.20598	2.860846	2.349759	0.030765	0.070573	-4.20659	2.416107	2.576149	2.514675	3.162124	3.012388	2.763128	2.513265	2.981485	2.82232	3.155466	3.136872	3.149392	3.587808	3.779712	3.665494	3.209363	3.297679	3.340497
LINC01285	ENSG0000	0.543196	-0.68511	2.16784	0.044245	0.094228	-4.13684	0.318509	0.316291	0.219246	0.106501	0.389229	0.2349	0.269385	0.253663	0.106501	1.840286	1.827525	1.562415	1.420179	1.560439	1.923865	2.368215	2.124453	2.48622
EFCAB2	ENSG0000	0.618885	3.071778	5.110237	8.00E-05	0.000637	1.538889	2.744313	2.674627	2.492412	3.472378	3.588725	3.548316	3.617275	3.506713	3.655245	2.990428	3.013005	3.060643	3.36795	3.38415	3.445943	3.133504	3.467897	3.241681
COX20	ENSG0000	-0.07419	5.633467	-1.54711	0.139751	0.231489	-6.09922	5.905908	5.924332	5.878573	6.23212	6.298145	6.265599	5.719113	5.848324	5.875015	5.29814	5.265591	5.313568	5.392856	5.512128	5.532641	5.235596	5.238226	5.220652
CHML	ENSG0000	0.281516	7.290105	2.375404	0.029207	0.067778	-4.892	8.415041	8.423427	8.465496	8.038783	7.961099	8.0533	8.94814	8.965674	8.935128	6.180754	6.186741	6.113142	6.154977	6.156634	6.065712	6.063366	6.173056	6.154551
CAPN8	ENSG0000	-0.24273	1.209852	-1.82655	0.084897	0.157135	-5.48343	0.587539	0.661886	0.512639	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	5.710958	5.747555	5.583462	4.420966	4.376675	4.468538	5.539185	5.515684	5.600528
TATDN3	ENSG0000	-0.0387	3.630601	-0.34456	0.734536	0.812886	-6.71553	4.798758	4.624584	4.647003	4.236852	4.284653	4.256608	4.792514	4.603806	4.674259	2.790717	3.106888	3.026968	3.004458	3.109775	3.126936	2.901634	2.934355	2.863849
SERTAD4-A	ENSG0000	-0.24281	1.507053	-1.23388	0.233583	0.344902	-5.60453	2.27083	2.425906	2.37563	1.457877	1.666451	1.475193	2.186178	1.988058	2.005764	1.98771	1.672391	2.16783	1.878105	2.084417	2.18129	1.809319	2.030948	1.703111
MIR29B2C	ENSG0000	1.02	1.098882	4.047263	0.000796	0.003894	-0.42071	1.235614	1.420874	1.358564	2.688367	2.229385	2.961768	1.588238	1.85606	2.005764	0.88529	1.112482	0.993481	1.420179	2.039797	1.826726	1.627702	1.645686	1.973284
RAET1G	ENSG0000	0.238733	0.266096	1.01737	0.322854	0.442624	-5.49138	0.814199	0.8079	1.30847	2.063099	2.078331	1.840725	1.074544	1.549165	1.244857	0.834246	0.89579	0.683459	1.420179	1.793303	1.456457	0.738851	0.637375	0.805046
C1orf53	ENSG0000	0.154278	2.277479	0.985721	0.33772	0.458661	-5.95818	2.589523	2.76681	2.900124	2.97776	3.132285	2.924168	2.884002	3.023117	2.697131	1.787595	1.922393	2.34226	2.529911	2.686334	2.661487	2.494877	2.006592	1.942153
SAMD5	ENSG0000	0.372213	2.770259	2.046586	0.056042	0.113447	-4.42397	4.988842	5.063109	4.978671	5.904469	5.806499	5.783733	5.405414	5.348128	5.363523	1.158593	1.029669	1.094478	0.945898	1.032323	1.046067	1.482378	1.072305	1.273688
CENPW	ENSG0000	0.910309	2.129479	5.4252	4.13E-05	0.000383	2.282018	2.609804	2.232543	2.5366	2.457149	2.398361	2.429135	3.523527	3.633086	3.357206	2.18395	2.267764	2.447834	1.392977	1.320413	1.423614	2.679583	2.908298	2.742606
MSTO2P	ENSG0000	-0.36322	1.786453	-1.78353	0.091874	0.167058	-4.91478	1.927307	1.915637	1.744977	2.48816	2.078331	2.719893	1.525136	1.809233	1.873138	2.664903	2.590228	2.649405	2.193986	2.10622	2.10048	2.135245	2.169028	2.48622
FAM229B	ENSG0000	-0.10741	1.611671	-0.6604	0.517606	0.632486	-6.13976	1.561356	1.508929	1.78216	2.255624	2.155834	2.581827	1.389995	1.430416	1.314712	2.163418	2.212518	2.25768	2.626498	2.642244	2.481722	2.35157	2.410923	1.877799
EEF1AKMT	ENSG0000	0.115164	1.729452	0.730367	0.474843	0.593944	-6.06627	3.142584	2.870177	2.865896	2.063099	2.03796	2.346268	2.933443	3.023117	2.981126	1.704765	1.467416	1.585733	1.473091	1.681564	1.488568	1.809319	1.795362	1.626848
DDO	ENSG0000	-0.56679	-1.06001	-1.3357	0.198782	0.303522	-5.04498	3.100204	2.935191	3.029452	2.291228	2.117603	2.098749	2.102195	2.568641	2.34318	0.106501	0.106501	0.16959	0.106501	0.106501	0.263213	0.106501	0.2791	0.106501
H2BC18	ENSG0000	-0.0609	0.922768	-0.35907	0.723846	0.804192	-6.29554	0.587539	0.736739	0.598525	1.393812	0.92021	1.188496	0.269385	1.001115	0.629397	2.320032	2.285719	2.314614	3.575762	3.629721	3.421201	2.095813	2.410923	2.350536
ATP1A1-AS	ENSG0000	-0.47761	0.407788	-1.6232	0.122445	0.209312	-4.97247	1.384302	1.327092	1.256574	0.52061	0.625525	0.461789	1.525136	0.622068	0.833554	1.555182	1.616737	1.820066	1.818016	1.946191	2.014873	1.45147	1.206659	1.665483
RBM20	ENSG0000	-1.48277	-0.63855	-4.94463	0.000114	0.000838	1.288306	4.321496	4.150501	4.174224	3.020814	3.410458	2.998412	2.832807	2.938616	2.588518	0.190076	0.185134	0.106501	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
SNHG5	ENSG0000	0.125132	5.50109	2.087072	0.051818	0.106661	-5.08967	7.106003	7.085359	6.959619	7.087706	7.001181	7.042781	7.100351	7.077629	7.144275	3.991785	3.907656	3.990867	3.90909	3.958151	3.898452	4.151986	4.288934	4.274271
GDI1	ENSG0000	0.110181	7.902936	2.17483	0.04364	0.093215	-5.35061	8.110621	8.103691	8.084729	8.286019	8.266983	8.345452	8.249712	8.101927	8.129718	7.583797	7.564994	7.618467	7.609362	7.558329	7.515556	7.773345	7.717105	7.74759
PCMTD2	ENSG0000	-0.03139	5.087713	-0.38823	0.702532	0.787852	-7.14646	4.896929	5.003727	4.822347	4.851861	4.905853	5.207592	4.851577	5.127313	4.923769	5.136363	5.26106	5.210458	5.542705	5.566222	5.701404	5.100173	5.187669	5.070394
LINC00632	ENSG0000	0.080502	-0.04368	0.226892	0.823141	0.878992	-5.87655	2.996191	3.209365	3.090013	2.457149	2.264801	2.258349	2.981245	3.477062	3.437684	0.269074	0.259702	0.499259	0.171976	0.26996	0.263213	0.393424	0.2791	0.106501
RTL8A	ENSG0000	0.169905	5.920627	2.712199	0.014538	0.039106	-4.12048	5.83014	5.904176	5.906203	6.009737	6.173243	6.117296	6.025902	5.902309	5.953754	5.556156	5.575777	5.764226	6.237578	6.190196	6.238527	5.875309	5.924377	5.830433
EFCAB7	ENSG0000	0.140889	2.76947	1.462021	0.161483	0.259039	-5.5856	3.085796	2.513665	2.94999	3.237064	2.970101	3.051692	2.884002	3.002451	2.981126	2.83033	2.804649	2.766268	3.221013	3.263212	3.225499	2.913023	2.972579	2.880366
ARRDC1-A	ENSG0000	-0.33601	3.697945	-4.41159	0.000359	0.002068	-0.1272	3.662849	3.505362	3.431666	3.51817	3.295295	3.377995	3.19904	3.335526	3.586306	4.318634	4.301006	4.34529	4.431031	4.164465	4.338034	3.928936	3.955266	3.937965
ZYG11A	ENSG0000	0.567274	2.246753	3.70221	0.0017	0.007106	-1.39684	2.27083	2.009193	1.954926	1.634586	1.666451	1.840725	2.884002	2.894433	3.124172	2.693825	2.912585	2.649405	2.770846	2.797719	2.743612	3.022222	2.985098	3.079476
LINC01270	ENSG0000	-0.10705	1.734883	-0.37132	0.714863	0.798009	-6.16521	3.262728	3.657602	3.466347	4.009923	3.820593	3.9455	3.238915	3.250449	3.406029	1.239286	1.029669	1.387696	0.656707	0.986036	0.651457	1.387593	1.118494	1.273688
CT83	ENSG0000	-0.34364	-0.10242	-3.46857	0.00284	0.010774	-2.0591	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.217694	3.958911	4.260892	4.34138	4.612034	4.500385	3.61006	3.903444	3.848451
LINC00963	ENSG0000	-0.17683	5.586082	-3.02227	0.007503	0.023086	-3.4359	5.474121	5.466485	5.472309	5.790912	5.896744	5.827671	5.392213	5.521547	5.54523	5.671517	5.752405	5.728007	5.810235	5.752296	5.80545	5.336314	5.415183	5.448204
SYS1	ENSG0000	0.100454	5.574372	1.689339	0.108913	0.191205	-5.91399	5.278958	5.520446	5.449376	5.657452	5.543607	5.663381	5.457042	5.45466	5.400136	5.435051	5.4835	5.540848	6.047871	5.973041	6.06038	5.685817	5.59133	5.659138
INPP5B	ENSG0000	0.085847	3.567359	1.076933	0.296151	0.415002	-6.34881	2.9807	3.100202	3.231147	3.237064	3.207016	3.377995	3.457463	3.351955	3.513908	4.232554	4.127684	4.050743	4.151547	4.056619	4.093761	4.031767	3.986735	4.299055
MAFB	ENSG0000	0.642914	-0.85562	2.00229	0.061019	0.121412	-4.24942	0.106501	0.106501	0.106501	0.395333	0.625525	0.563119	0.269385	0.253663	0.515351	1.278001	1.498542	1.305813	2.129525	2.127698	1.992654	1.320757	1.2488	1.273688
TRAF3IP1	ENSG0000	-0.20346	5.308643	-3.79825	0.001377	0.006036	-1.71357	5.689529	5.776943	5.867803	5.765822	5.53638	5.711078	5.387786	5.543171	5.598715	5.101711	5.059262	5.183964	5.045184	5.01783	5.000996	4.947942	4.975054	5.033946
CHIC1	ENSG0000	0.241833	4.814454	3.671852	0.001818	0.007508	-1.88399	5.042051	4.893538	4.866295	5.388282	5.321958	5.490866	5.08826	5.310795	5.121883	4.318634	4.532919	4.286022	4.779762	4.70069	4.670996	4.515433	4.547132	4.753714
GIGYF2	ENSG0000	-0.1407	6.680894	-3.41098	0.003222	0.011849	-2.76725	6.731048	6.790427	6.824679	6.676049	6.573505	6.760261	6.680963	6.540823	6.681763	6.787781	6.871731	6.710631	6.663911	6.652407	6.608179	6.716056	6.629972	6.61683
C2orf72	ENSG0000	-0.1997	1.337206	-0.57518	0.572501	0.680873	-6.0478	2.850396	3.012542	3.176339	2.661411	3.31232	2.865864	2.545421	2.481727	2.77354	1.315703	1.265082	1.360915	0.46104	0.550009	0.593579	1.482378	1.766644	1.461048
RUFY2	ENSG0000	-0.33532	4.527597	-3.84864	0.001232	0.005541	-1.41461	5.706108	5.772502	5.727119	5.0571	4.955466	5.072334	5.131269	5.331655	5.330179	4.03198	3.854512	4.003908	3.680716	3.772912	3.824901	3.793775	3.948889	3.814473
PHACTR4	ENSG0000	-0.12844	5.953618	-2.6683	0.015944	0.042093	-4.24389	5.379837	5.387379	5.344527	5.587578	5.738846	5.688828	5.465469	5.298133	5.443658	6.550467	6.560324	6.439403	6.620596	6.618673	6.607265	6.275652	6.267043	6.348078
ASAH2B	ENSG0000	-0.10525	3.574358	-1.32125	0.203454	0.309197	-5.94153	4.495082	4.389636	4.652033	3.944346	3.832443	4.045196	4.479546	4.583078	4.527529	3.437834	3.322263	3.360144	2.802201	2.714997	2.833866	3.200096	3.022017	3.121769
AGAP6	ENSG0000	-0.37993	2.850735	-4.10489	0.000702	0.003513	-0.56068	3.498536	3.417081	3.408073	3.308302	3.225109	2.784269	3.137083	3.043491	3.044176	3.047564	3.223257	2.983737	2.781373	2.729118	2.883013	2.666185	2.841019	2.830235
TIMM23B	ENSG0000	0.06029	3.724469	0.758756	0.458109	0.578752	-6.58485	4.375799	4.538284	4.382257	3.863871	3.734793	3.818042	4.504297	4.533523	4.542164	3.681119	3.584062	3.346558	3.228726	3.162755	3.19663	3.560228	3.494411	3.571657
ZDHHC18	ENSG0000	-0.25992	6.164275	-1.68847	0.109083	0.191456	-6.03013	6.741426	6.671448	6.720785	5.338099	5.589722	5.394483	6.017329	5.851216	5.91773	6.359482	6.277022	6.322816	6.327426	6.147463	6.249109	6.49707	6.472171	6.449805
AGAP9	ENSG0000	-0.20248	1.60529	-1.42908	0.170612	0.270123	-5.33664	2.548084	2.37994	2.300736	2.359902	1.864131	2.374422	2.607661	2.255906	2.165532	1.91588	1.989662	1.969371	1.621093	1.428204	1.801384	1.85727	1.613793	1.703111
BMS1P1	ENSG0000	-0.17941	0.800595	-0.94178	0.359143	0.48103	-5.74837	1.336422	1.551021	1.406977	1.022291	1.307481	1.669505	1.588238	1.760835	1.171446	1.787595	1.467416	1.514616	1.689764	1.710321	1.667532	1.286141	1.368306	1.370407
MACO1	ENSG0000	0.03841	4.304733	0.435376	0.668618	0.761639	-6.96415	3.710582	3.829904	3.745844	4.350907	4.470555	4.194794	4.111894	4.230044	4.170531	4.451587	4.662249	4.651854	5.023176	5.020703	4.903135	4.357681	4.419196	4.551975
PTPN20	ENSG0000	-0.23702	-0.33806	-1.39096	0.181692	0.283444	-5.05516	4.702888	4.644161	4.631806	4.209199	4.1957	4.202668	4.245129	4.519046	4.41276	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZDBF2	ENSG0000	-0.56039	3.41128	-5.36219	4.71E-05	0.000422	2.075206	5.237197	5.123634	5.134153	4.342447	4.318753	4.372816	4.637058	4.644388	4.770621	2.589954	2.935512	3.001185	2.28558	2.148862	2.416453	2.400938	2.030948	2.350536
DAXX	ENSG0000	-0.01881	6.142224	-0.54486	0.592731	0.696902	-7.27227	5.310279	5.337144	5.3383	5.396478	5.465853	5.481188	5.30568	5.237527	5.216162	7.006724	6.961733	6.944496	7.060061	7.010614	6.99172	6.962035	7.005168	6.968311
BMPR2	ENSG0000	0.359039	5.811459	3.084592	0.006558	0.020884	-3.31114	4.988842	5.081176	5.197454	6.704387	6.674071	6.769567	5.729647	5.774066	5.748211	5.508112	5.698134	5.386751	6.351471	6.256285	6.373622	5.621323	5.59133	5.659138
TCEA3	ENSG0000	0.110461	1.362051	0.651976	0.522899	0.636823	-6.39771	1.235614	0.8079	1.256574	0.635873	0.730585	0.984419	0.886508	0.509405	0.515351	2.943032	2.900983	3.141546	3.663745	3.903166	3.780199	3.341669	3.2466	3.149291
PFDN6	ENSG0000	-0.39742	5.922651	-4.55784	0.000261	0.0016	-0.19821	6.023964	5.936292	6.003871	5.218368	5.221894	5.037542	5.277239	5.388507	5.37991	6.49506	6.502	6.579568	6.400953	6.383372	6.339916	6.336125	6.273436	6.278122
RING1	ENSG0000	0.099807	5.632437	2.499835	0.02264	0.055494	-4.52731	4.97718	5.134056	5.1197	5.333837	5.407631	5.380668	5.228555	5.263813	5.243285	5.933409	5.980355	5.943013	6.35676	6.303053	6.308779	5.99535	6.03538	6.000631
HSD17B8	ENSG0000	0.440733	3.636895	6.321817	6.73E-06	9.44E-05	3.8582	2.438959	2.674627	2.865896	3.342644	3.683372	3.572823	3.115825	3.232814	3.181386	3.991785	4.045764	4.067404	4.771865	4.824228	4.839198	4.406844	4.49118	4.286716
RXRB	ENSG0000	-0.14712	5.52453	-3.00113	0.007853	0.02397	-3.49404	5.233934	5.208268	5.1197	5.342348	5.283625	5.366721	4.864381	4.889176	4.99996	5.89967	5.806264	5.890143	6.315704	6.185083	6.256122	5.814363	5.780968	5.789478
OXLD1	ENSG0000	-0.35188	4.654241	-4.90391	0.000124	0.000895	0.743902	4.309146	4.190995	4.242513	4.161901	4.267295	4.178918	3.841036	3.672864	3.628063	5.272006	5.329736	5.580563	5.538057	5.722609	5.605829	5.217339	5.163088	5.026544
HNRNPCP2	ENSG0000	0.01165	0.867155	0.076551	0.93985	0.961513	-6.19154	1.861169	1.81559	1.585853	1.256461	1.373859	1.526279	1.70672	1.710758	1.873138	1.388276	1.529011	1.46518	1.054048	1.495836	1.390007	1.286141	1.547811	1.58715
BRD2	ENSG0000	-0.07302	8.468488	-2.49312	0.022956	0.056168	-4.81064	8.462165	8.435064	8.464782	8.152646	8.211343	8.20847	8.343569	8.322731	8.363988	8.779309	8.677678	8.738189	8.459157	8.401667	8.413555	8.682441	8.695666	8.696664
HLA-DMA	ENSG0000	-0.47415	2.204504	-2.27096	0.036053	0.080072	-4.23539	1.826927	1.947501	1.78216	1.978268	1.718467	2.098749	2.058296	1.760835	1.777424	2.930935	2.991286	3.043904	4.249584	4.062207	4.139984	2.597261	2.274787	2.48622
PSMB8-AS	ENSG0000	0.243649	1.15682	1.370995	0.187725	0.29014	-5.49954	1.010037	0.875715	0.898566	1.256461	1.666451	1.123626	0.886508	0.824004	0.515351	2.338465	2.546219	2.286428	3.108457	2.612083	2.895043	2.597261	2.841019	2.778299
COL5A2	ENSG0000	0.743483	6.658412	2.86651	0.01048	0.030173	-3.05052	11.67577	11.70434	11.70312	13.50809	13.48858	13.47061	12.46062	12.45862	12.4518	1.490718	1.190799	1.653508	1.446877	1.528499	1.247156	1.681967	1.329561	1.626848
PSMB8	ENSG0000	-0.01506	6.586137	-0.41857	0.680626	0.77103	-7.38116	6.055729	6.143066	6.023412	6.012406	5.910785	6.033699	5.964794	5.983638	6.017985	7.271226	7.16335	7.224401	7.094768	7.104325	7.103507	7.252204	7.231535	7.260213
TAP2	ENSG0000	0.560456	4.675976	7.018643	1.77E-06	3.39E-05	5.042293	3.84498	4.108838	3.947516	4.161901	4.343809	4.427589	4.730929	4.722281	4.73921	5.085433	5.011508	5.119519	4.787617	4.843827	4.885155	5.42251	5.537098	5.542033
SPIN3	ENSG0000	0.005306	2.924991	0.05318	0.958191	0.97337	-6.69808	2.90065	3.027527	2.794903	2.97776	2.970101	3.03415	2.858632	3.214961	3.323715	3.145032	3.15652	3.225594	3.36795	3.393046	3.470269	3.123735	2.972579	3.035906
NBDY	ENSG0000	0.065849	5.963405	1.241534	0.230812	0.341661	-6.54534	6.408146	6.337478	6.434415	6.664217	6.589306	6.580088	6.417699	6.297471	6.51001	5.312197	5.294698	5.303055	5.773793	5.788145	5.810222	5.398403	5.408227	5.470195
NA	ENSG0000	0.334577	0.454441	1.389134	0.182238	0.283923	-5.60843	0.41387	0.215206	0.106501	0.106501	0.625525	0.746642	0.548589	0.824004	0.256032	3.134522	2.991286	2.845681	3.436163	3.41941	3.494191	3.152846	3.069818	3.162857
HLA-DRA	ENSG0000	-1.5361	-0.20412	-3.88456	0.001139	0.005186	-0.90248	0.106501	0.106501	0.323815	0.106501	0.106501	0.2349	0.269385	0.387194	0.39151	3.165825	3.166245	3.240362	4.230502	4.269646	4.223448	1.482378	1.67689	1.626848
COL15A1	ENSG0000	-1.01186	1.267156	-4.54591	0.000268	0.001631	0.581524	5.233934	5.263109	5.144898	4.299384	4.249727	4.330328	4.205428	4.238905	4.132351	0.54782	0.524532	0.54756	0.171976	0.26996	0.335616	0.517985	0.358227	0.409347
PBX2	ENSG0000	0.146294	5.133953	3.469348	0.002835	0.010763	-2.45562	4.564268	4.538284	4.574673	4.87551	4.720591	4.824468	4.6445	4.734864	4.819498	5.544294	5.620676	5.53487	5.709096	5.726134	5.709941	5.64542	5.775573	5.644707
AGER	ENSG0000	-0.54328	0.327289	-2.37906	0.02899	0.067373	-3.64906	1.069823	1.226787	1.202741	1.393812	1.2379	1.475193	1.074544	0.726566	0.735084	1.865926	1.335727	1.277453	1.365252	1.032323	1.209118	1.058946	1.368306	1.170016
RNF5	ENSG0000	-0.26011	5.050878	-2.00648	0.060532	0.120683	-5.33534	5.1077	5.328095	5.11242	4.532944	4.558804	4.30129	4.998191	5.002785	4.849226	5.360348	5.303538	5.363329	5.517738	5.530385	5.579982	5.141909	5.077988	5.070394
AGPAT1	ENSG0000	0.389369	6.072946	6.649754	3.56E-06	5.73E-05	4.203096	5.881091	5.959918	5.955863	6.502759	6.616977	6.540255	6.460489	6.417458	6.566582	5.6624	5.538823	5.624853	6.180059	6.165747	6.145923	5.854786	5.922751	5.724636
PJVK	ENSG0000	-0.23183	0.696343	-1.41196	0.175517	0.276139	-5.15933	1.861169	2.232543	2.300736	1.888135	1.768674	1.669505	1.588238	2.184314	1.873138	1.158593	1.152172	1.027938	0.828978	0.888753	0.812339	1.017342	1.072305	1.058313
PRRT1	ENSG0000	-0.07615	1.284891	-0.53031	0.602568	0.705208	-6.09832	1.681202	2.039077	2.194417	2.063099	2.117603	1.840725	1.917967	2.184314	1.777424	1.616888	1.616737	1.60868	1.689764	1.897007	1.667532	1.45147	1.645686	1.461048
FKBPL	ENSG0000	-0.05958	2.296361	-0.4041	0.691042	0.778987	-6.54001	1.826927	1.915637	1.706811	2.291228	2.633282	2.064596	1.389995	2.290412	2.165532	3.246125	3.086546	3.380287	3.281595	3.131201	3.126936	3.16242	3.215061	2.944608
MRPL38	ENSG0000	-0.35869	0.517257	-1.79504	0.08996	0.164143	-4.66555	1.069823	0.875715	1.088647	1.256461	1.164793	1.250575	1.160105	1.001115	1.38134	1.732907	2.032826	1.562415	1.473091	1.357245	1.51998	1.177011	1.289746	1.322858
SMIM5	ENSG0000	0.117499	0.030421	0.853056	0.405167	0.526865	-6.23838	0.216396	0.215206	0.219246	0.258133	0.106501	0.3528	0.269385	0.106501	0.106501	3.113269	3.204502	3.232997	3.456014	3.462307	3.454098	3.298901	3.366281	3.421736
STK19	ENSG0000	0.016473	2.936835	0.117989	0.907422	0.938865	-6.70563	3.041689	2.853456	3.176339	2.688367	2.737798	2.961768	3.238915	2.848856	3.271973	3.0698	3.076267	3.195594	3.593793	3.512154	3.679472	3.218571	3.022017	3.021085
DXO	ENSG0000	-0.33381	4.003712	-3.16686	0.005487	0.018131	-2.81129	4.036946	4.184325	4.406272	4.072648	4.186495	4.088331	4.205428	4.157125	3.990155	4.087524	4.035189	4.34187	4.348478	4.259953	4.179864	3.552967	3.786722	3.788453
SKIV2L	ENSG0000	0.020349	5.430386	0.33712	0.740041	0.817069	-7.19963	5.585841	5.375715	5.549817	5.863665	5.836231	5.711078	5.431459	5.676339	5.274297	5.138995	5.157605	5.227237	5.623918	5.544428	5.618582	5.210433	5.23036	5.314806
NELFE	ENSG0000	0.04498	6.620418	0.628573	0.537757	0.649752	-7.26384	6.443889	6.450203	6.450384	6.059623	6.106488	6.072885	6.424199	6.303819	6.315012	6.870859	6.832571	6.88406	7.071366	7.085926	7.020833	7.017163	7.024249	7.013938
ZBTB12	ENSG0000	0.175468	2.958364	2.28447	0.03509	0.078422	-4.40712	2.798329	2.513665	2.579475	2.457149	2.762786	2.697781	3.050103	2.825515	2.915195	3.488234	3.463043	3.602326	3.581798	3.599295	3.486261	3.644629	3.675254	3.509302
SDHD	ENSG0000	-0.08033	6.069732	-1.13152	0.273122	0.390021	-6.75445	5.922218	5.977387	5.904096	5.640298	5.565074	5.506852	5.697811	5.807211	5.803925	6.339031	6.429154	6.371426	6.516527	6.565562	6.519655	6.373703	6.297477	6.426093
EHMT2	ENSG0000	0.165456	6.26268	3.406639	0.003253	0.011931	-2.74825	5.449012	5.488312	5.46661	5.918767	5.865364	5.911724	5.722633	5.659938	5.670411	6.799471	6.761374	6.810504	7.002732	6.909615	6.919209	7.028987	6.865722	6.85692
SLC44A4	ENSG0000	0.021189	-0.07399	0.120571	0.905406	0.93746	-6.38284	0.216396	0.215206	0.219246	0.395333	0.25478	0.563119	0.106501	0.106501	0.256032	2.263275	2.829342	2.30059	3.456014	3.599295	3.608189	2.639009	2.392244	2.629903
NEU1	ENSG0000	0.442179	6.404748	3.931127	0.001028	0.004787	-1.57805	5.376881	5.466485	5.378308	7.262681	7.143539	7.187668	6.124988	6.166593	6.176476	6.194733	6.230272	6.244398	7.144547	7.13845	7.13174	6.476108	6.385107	6.401984
SNHG32	ENSG0000	-0.0755	6.441549	-2.10682	0.049864	0.10338	-5.29426	7.303366	7.277805	7.310805	7.286031	7.30535	7.361253	7.14432	7.23317	7.320162	5.685984	5.696457	5.63047	5.691062	5.652103	5.670244	5.589736	5.595419	5.554952
HSPA1B	ENSG0000	0.278321	7.839447	1.429557	0.170476	0.269967	-6.56212	6.737975	6.759347	6.740992	7.732969	7.708048	7.597553	6.925067	6.969983	6.941169	8.665285	8.583971	8.600984	8.184623	8.173508	8.107574	8.916339	8.949517	8.95118
HSPA1A	ENSG0000	0.465543	7.978862	1.998889	0.061417	0.122071	-5.6899	6.782207	6.678585	6.713586	8.077532	8.125448	8.035227	7.246883	7.218685	7.234897	8.724956	8.578292	8.562753	8.254534	8.219245	8.158986	9.011787	9.058118	9.061445
HSPA1L	ENSG0000	0.412905	1.115389	1.856418	0.080332	0.151126	-4.60093	1.959273	2.308123	1.853768	2.48816	2.299368	1.880533	2.446718	2.184314	2.440135	1.388276	1.190799	1.248523	0.945898	1.357245	0.707101	1.542275	1.513652	1.461048
LSM2	ENSG0000	0.138661	4.836685	2.373359	0.029328	0.067999	-4.65029	4.693417	4.614695	4.600923	4.647264	4.493129	4.271657	4.864381	4.728586	5.010523	5.180457	5.285805	5.217939	4.853955	4.794321	4.845411	5.340537	5.243446	5.317842
VARS1	ENSG0000	-0.26555	7.363405	-5.78666	1.96E-05	0.000214	2.307633	7.425675	7.422994	7.440022	7.170097	7.292538	7.150499	7.067511	7.051461	6.994023	7.592462	7.583711	7.708186	7.504052	7.43991	7.450306	7.495566	7.534326	7.381937
VWA7	ENSG0000	-0.93974	1.093647	-2.84239	0.011033	0.031435	-2.99069	1.959273	1.670392	1.818408	0.742604	0.625525	0.909432	1.074544	0.253663	0.925731	2.494552	2.372288	2.581432	3.048706	3.173121	3.157218	2.115663	1.878239	2.033602
CARD16	ENSG0000	-0.49732	1.562842	-3.19366	0.005177	0.017342	-2.55151	0.882475	0.940485	0.829201	0.52061	0.625525	0.830331	1.160105	1.001115	1.50602	3.60703	3.780465	3.696374	3.773284	3.832986	3.780199	3.152846	3.046116	3.107809
MBD5	ENSG0000	0.067412	4.057349	1.064705	0.301498	0.420509	-6.40331	4.051848	4.15733	4.16017	4.072648	4.318753	4.264152	4.19533	4.194045	4.33084	3.991785	4.112675	4.008229	4.290695	4.116929	4.134921	4.031767	3.986735	4.18401
MSH5	ENSG0000	-0.88778	-0.03278	-2.83711	0.011158	0.03172	-2.76504	1.010037	1.061904	1.667608	1.182548	1.006428	1.310092	0.415731	1.001115	0.629397	1.158593	1.529011	1.188864	1.248697	0.837535	0.651457	1.017342	0.759002	1.115245
LY6G5C	ENSG0000	-0.33696	0.127432	-1.19265	0.248948	0.362887	-5.46534	0.667115	0.410755	0.421314	0.742604	0.92021	0.984419	0.670238	0.509405	0.833554	1.891119	1.827525	2.16783	1.711947	1.462417	1.749324	1.880661	1.581179	0.999041
CSNK2B	ENSG0000	-0.23458	3.081493	-2.29936	0.034057	0.076628	-4.3763	3.249862	3.310847	3.133821	2.840308	2.811499	2.885561	2.752438	2.960209	2.915195	3.411958	3.619889	3.636224	3.409264	3.644697	3.658454	3.560228	3.149837	3.581792
GPANK1	ENSG0000	-0.12438	4.157148	-1.97121	0.064745	0.127176	-5.23448	4.006674	3.888531	3.971859	3.840029	3.656958	3.744443	3.747379	3.592179	4.063004	4.755823	4.609763	4.732417	4.665059	4.634714	4.635585	4.507942	4.699246	4.602629
C6orf47	ENSG0000	1.149226	4.491891	16.13515	6.15E-12	2.50E-09	17.5678	3.325391	2.935191	3.39613	4.681208	4.662026	4.849758	4.358069	4.489649	4.45204	4.252132	4.283241	4.213027	5.544252	5.514168	5.439201	5.355223	5.261569	5.201061
FAM155A	ENSG0000	0.291831	0.980915	0.876359	0.392721	0.514394	-5.60984	4.09565	3.96057	4.095173	4.827817	4.819175	4.869675	4.348988	4.307901	4.011347	0.106501	0.259702	0.34382	0.294634	0.416769	0.533283	0.576451	0.358227	0.315289
APOM	ENSG0000	-0.0417	0.374283	-0.16327	0.872179	0.914221	-6.03184	1.286899	1.883052	1.358564	1.326771	1.373859	1.840725	1.459147	1.430416	1.620777	1.199504	0.695454	0.958181	1.336984	1.282615	0.862212	0.974502	0.69947	0.999041

BAG6	ENSG0000	-0.19151	8.006021	-5.04121	9.26E-05	0.000713	0.678351	7.850575	7.858642	7.856458	7.649698	7.737496	7.671041	7.640257	7.605362	7.680807	8.370356	8.320522	8.333163	8.411875	8.341184	8.37864	8.223569	8.138375	8.146665
PRRC2A	ENSG0000	-0.14865	8.461436	-3.78311	0.001423	0.006189	-2.10812	8.455876	8.482395	8.576811	7.897938	8.028972	7.99499	8.450388	8.285795	8.27862	8.833922	8.816922	8.833193	8.502951	8.44669	8.407007	8.694453	8.71787	8.67848
NFKBIL1	ENSG0000	-0.17456	4.151773	-1.46665	0.160233	0.257556	-5.98925	4.152058	4.17089	4.195052	3.57705	3.867423	3.689474	3.733489	3.798055	3.957772	4.327889	4.390842	4.687318	4.86637	4.837324	4.794943	4.481413	4.464605	4.261717
ZNF814	ENSG0000	-0.06616	2.202368	-0.8636	0.399505	0.521124	-6.60135	0.587539	0.940485	0.964748	1.104644	0.92021	0.830331	0.983587	1.082132	0.925731	4.671093	4.80914	4.643544	4.687622	4.634714	4.817241	4.526597	4.592839	4.7174
MICB	ENSG0000	0.48099	3.774176	4.314608	0.000444	0.00245	-0.3468	3.774862	3.750846	3.717332	3.791129	3.820593	3.722706	4.215456	4.230044	3.968647	4.020609	3.942027	3.877343	3.236398	3.272884	3.281558	4.438712	4.451131	4.382594
ZNF551	ENSG0000	-0.2431	4.925218	-3.59736	0.002141	0.008522	-2.20383	4.456406	4.474101	4.564038	3.674639	3.426184	3.643939	4.122591	4.282412	4.132351	6.093911	6.141856	6.032707	5.661447	5.720844	5.633019	5.92115	5.793479	5.952623
MICA	ENSG0000	-0.27236	4.174624	-1.83076	0.08424	0.15631	-5.33631	4.921476	4.872944	4.804386	5.12773	5.044764	5.155812	4.552561	4.696781	4.45204	4.13047	3.854512	3.891447	3.303673	3.357127	3.412858	3.812139	3.743163	3.611778
ZNF805	ENSG0000	-0.51903	1.914786	-4.5954	0.000241	0.001504	0.547225	1.791852	2.068355	2.248556	1.393812	1.817192	1.623325	1.459147	1.901414	1.445026	2.978724	3.166245	3.001185	2.812503	2.850343	2.930541	2.666185	2.518186	2.706008
HLA-C	ENSG0000	0.390464	8.8077	6.07997	1.09E-05	0.000136	2.8183	7.989597	7.956333	8.031682	8.743038	8.81374	8.721321	8.315873	8.214023	8.427443	8.952912	8.92039	9.042668	9.381648	9.427108	9.430775	9.400088	9.459167	9.374753
CCHCR1	ENSG0000	-0.73659	3.607988	-6.61604	3.80E-06	6.04E-05	4.445705	4.339825	4.312206	4.301326	2.999448	3.410458	2.924168	3.632324	3.232814	3.023464	4.252132	4.305413	4.268117	3.575762	3.560336	3.658454	3.717885	3.88352	3.779675
DHX16	ENSG0000	-0.13382	6.296849	-2.04144	0.056601	0.114334	-5.46772	6.29371	6.299401	6.42416	5.714295	5.654575	5.837817	6.089987	6.100066	6.211233	6.613318	6.62434	6.675063	6.539966	6.443485	6.478276	6.620299	6.519199	6.55129
C6orf136	ENSG0000	-0.10031	3.667288	-1.07964	0.294978	0.413546	-6.29332	4.416666	4.424018	4.370098	3.688057	3.574682	3.643939	4.000319	4.128801	4.093134	3.629659	3.478738	3.596598	3.429485	3.348006	3.244428	3.749992	3.690624	3.601852
MRPS18B	ENSG0000	-0.31183	6.711743	-4.13267	0.00066	0.00335	-1.20754	6.944712	7.114598	7.002589	6.144804	6.156841	6.186421	6.602897	6.700097	6.738463	7.043704	7.009109	7.049381	6.661776	6.804348	6.6398	6.738634	6.765868	6.76762
PPP1R10	ENSG0000	-0.15655	7.096289	-3.45986	0.002895	0.010928	-2.69426	7.52246	7.467629	7.525418	7.235524	7.182256	7.296512	7.464314	7.463253	7.507069	7.022485	7.019206	7.109441	6.605122	6.564578	6.6398	6.729001	6.817534	6.763173
ABCF1	ENSG0000	-0.07901	7.321771	-1.81882	0.086117	0.15886	-5.93482	7.126384	7.160353	7.220572	6.97318	6.957206	6.920411	7.1245	7.183546	7.201865	7.689892	7.581441	7.661968	7.567015	7.510589	7.572375	7.46977	7.508541	7.53192
PRR3	ENSG0000	-0.30609	4.630265	-5.43903	4.01E-05	0.000376	1.900129	4.522086	4.522504	4.626705	4.43289	4.213935	4.414089	4.023335	4.256466	4.270596	5.144243	5.030268	5.28714	5.005325	5.009177	4.972896	4.922811	4.877699	4.906683
DDR1	ENSG0000	-0.00503	7.770738	-0.08458	0.933553	0.956659	-7.55365	7.227465	7.199749	7.294009	7.711776	7.803706	7.700531	7.04238	6.972641	6.991359	7.860626	7.895	7.958695	8.754759	8.700228	8.651971	8.066067	8.133814	8.039974
LINC01123	ENSG0000	0.220022	1.351357	1.87021	0.078299	0.147925	-4.81426	1.336422	1.420874	1.406977	0.934951	1.307481	1.310092	1.160105	1.15884	1.445026	2.37464	2.372288	2.382761	2.51737	2.565626	2.497588	2.719047	2.784842	2.48622
GNL1	ENSG0000	0.01073	6.372349	0.225189	0.824444	0.880054	-7.39254	6.313939	6.299401	6.291837	6.529092	6.54498	6.435578	6.09814	6.219034	6.178819	6.287782	6.292645	6.276995	6.734689	6.598625	6.686401	6.373703	6.464368	6.400554
HLA-E	ENSG0000	0.448999	7.728668	5.042008	9.25E-05	0.000713	0.709139	7.380646	7.371072	7.356204	7.607954	7.745353	7.685159	7.85754	7.921744	7.920904	7.449803	7.376796	7.438053	8.234082	8.25689	8.251951	7.795436	7.837203	7.758242
TRIM39	ENSG0000	0.141142	3.487092	1.79934	0.089254	0.163063	-5.31189	3.142584	3.182839	3.231147	3.392671	3.410458	3.655458	3.423261	3.633086	3.437684	3.622156	3.854512	3.71764	4.072312	4.122289	3.939687	3.830273	3.735773	3.698167
ZNF468	ENSG0000	0.691568	5.367946	7.404528	8.68E-07	1.91E-05	5.69919	4.239263	4.293732	4.301326	5.320976	5.253089	5.394483	5.324334	5.423907	5.404147	5.542307	5.502818	5.540848	5.954437	5.987797	5.946508	5.902702	5.904743	6.086777
TRIM15	ENSG0000	0.1948	-1.17735	0.901685	0.379482	0.501592	-5.81171	0.216396	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.253663	0.106501	1.646779	1.777644	2.120715	1.878105	1.846087	1.667532	1.85727	2.101639	1.877799
ZNF616	ENSG0000	0.211881	3.628738	3.725132	0.001617	0.006835	-1.63403	2.850396	2.90305	2.883112	3.359513	3.188693	3.391835	3.115825	3.196885	3.084728	4.266643	4.260723	4.194187	4.483553	4.573423	4.628397	4.365992	4.357943	4.531205
TRIM10	ENSG0000	-0.00315	-1.50848	-0.0148	0.988356	0.992607	-6.13599	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.787595	1.752042	1.653508	1.524131	1.710321	1.550722	1.809319	1.329561	1.739782
TRIM31	ENSG0000	-1.53307	2.247144	-6.20458	8.48E-06	0.000114	3.816449	2.438959	2.356396	2.469799	2.864145	2.881616	2.805104	2.058296	1.760835	1.962896	3.560679	3.455132	3.685623	2.55467	2.756951	2.756856	1.65509	1.851139	2.14716
PPP1R11	ENSG0000	-0.11286	6.508908	-2.90787	0.009593	0.028149	-3.82094	6.262023	6.296311	6.234306	6.283849	6.243717	6.150238	6.278754	6.147896	6.273953	6.855742	6.85153	6.903908	6.859173	6.855128	6.85907	6.750586	6.69238	6.66052
ZNRD1ASP	ENSG0000	-0.51476	1.557522	-3.32551	0.003884	0.013765	-2.04136	1.894617	2.179863	2.079636	1.457877	1.768674	1.310092	1.240874	1.658879	1.674905	2.427256	2.766797	2.314614	2.357702	2.21055	2.34809	2.211015	1.930959	2.397196
RACK1	ENSG0000	-0.0562	10.5057	-1.41158	0.175629	0.27625	-6.73565	10.64702	10.62135	10.6203	10.43445	10.47387	10.42319	10.61141	10.58778	10.60484	10.53429	10.4682	10.42959	10.47	10.49739	10.50945	10.36111	10.40191	10.42489
TBC1D8	ENSG0000	-0.72071	5.74579	-6.67455	3.39E-06	5.52E-05	4.271025	6.708891	6.76941	6.78859	5.591153	5.677752	5.735705	5.69064	5.602735	5.56328	5.913568	5.909748	5.946395	5.146388	5.054739	5.025827	5.680829	5.54346	5.600528
HLA-F	ENSG0000	0.376843	5.758621	5.388207	4.46E-05	0.000406	1.608155	4.516725	4.468622	4.526184	5.117849	5.208315	5.268872	4.4712	4.511753	4.512744	6.400633	6.366209	6.5701	7.153693	7.156849	7.193315	6.953787	6.995918	6.906148
LINC02210	ENSG0000	0.18741	3.317885	3.123419	0.00603	0.019599	-2.87749	2.780548	2.784561	2.794903	2.766336	2.686486	2.741673	2.908934	2.916694	3.00245	3.938405	4.219284	4.033888	3.997531	4.122289	4.155068	4.271827	4.237539	4.203832
AKT1S1	ENSG0000	-0.1141	6.175734	-1.60517	0.126371	0.214326	-6.1307	6.198157	6.300944	6.351807	6.320926	6.438513	6.354858	6.079044	6.00976	6.162335	6.178198	6.174747	6.336627	6.039124	6.005308	6.034784	6.270127	6.233332	6.045263
GABBR1	ENSG0000	-0.16707	3.59812	-1.10747	0.2831	0.400615	-6.17482	3.928091	3.920993	4.188143	4.325376	4.020303	4.518705	3.423261	3.335526	3.60036	2.930935	3.554746	3.133657	3.928165	4.011117	3.985412	3.31616	3.449945	3.421736
MIR1915H	ENSG0000	0.075542	2.590386	0.412948	0.684667	0.774336	-6.36314	3.476616	3.547555	3.522358	3.910405	3.867423	3.818042	3.388228	3.477062	3.557782	1.586365	1.699433	1.696985	2.892375	2.863205	2.675503	1.759719	1.90484	2.003758
STARD7-AS	ENSG0000	-0.26645	1.598549	-2.40994	0.027224	0.064134	-3.86781	1.561356	2.009193	1.667608	1.457877	1.768674	1.623325	1.389995	1.605065	1.445026	2.650221	2.575707	2.435052	2.614772	2.50126	2.433049	2.300453	2.518186	2.277588
TRIM27	ENSG0000	0.008805	6.651442	0.253154	0.803103	0.863877	-7.42791	6.641532	6.632773	6.665891	6.538381	6.525036	6.513603	6.664586	6.595316	6.579055	6.683492	6.68479	6.751156	6.75018	6.751716	6.758132	6.760864	6.773105	6.722526
AC083899.	ENSG0000	0.722577	0.826201	4.887007	0.000129	0.000923	1.262315	1.384302	1.061904	1.146821	1.326771	1.307481	1.623325	1.648695	1.760835	1.445026	1.352446	1.435603	1.305813	1.308151	1.738515	1.667532	1.833493	1.795362	1.877799
AC008429.	ENSG0000	-0.92509	0.399965	-4.74002	0.000176	0.001181	0.963128	1.602421	1.978677	2.049454	1.182548	1.498102	1.422231	1.074544	1.367163	1.50602	1.278001	1.112482	1.333627	1.088368	0.986036	1.129895	0.837776	0.871168	0.580851
RANBP17	ENSG0000	-0.03159	3.725328	-0.40281	0.691971	0.779665	-6.76911	3.887134	4.043996	3.828148	4.333937	4.120365	4.264152	3.676552	3.956862	4.207726	3.599408	3.576789	3.579277	3.762697	3.846002	3.843644	3.462853	3.476789	3.581792
ZNF204P	ENSG0000	1.292482	0.685216	4.70117	0.000192	0.001262	0.880725	0.41387	0.8079	0.421314	0.52061	1.006428	0.830331	1.525136	1.658879	1.314712	1.490718	1.699433	1.333627	2.626498	2.913535	2.513282	2.075685	2.274787	2.350536
TTC25	ENSG0000	-0.50359	0.104055	-2.3341	0.031755	0.072423	-3.72289	0.882475	0.582935	0.679585	0.841981	0.92021	1.188496	0.269385	0.622068	0.833554	1.586365	1.335727	1.439812	1.99126	2.250257	2.014873	1.099384	1.024588	1.370407
MRPL53	ENSG0000	0.554188	1.654039	5.314624	5.20E-05	0.000454	2.083248	1.561356	1.551021	1.406977	1.634586	2.193078	1.669505	2.01302	1.988058	1.962896	2.163418	2.115463	2.228347	2.439743	2.398985	2.449456	2.479639	2.618024	2.570068
MROH6	ENSG0000	0.449437	4.790644	5.393593	4.41E-05	0.000403	1.693473	3.476616	3.100202	3.565652	3.633621	3.656958	3.655458	3.370387	3.415864	3.373665	5.969338	6.017092	6.172101	6.212513	6.215492	6.099893	6.704633	6.604842	6.434506
ATXN2	ENSG0000	0.421454	5.160709	4.697964	0.000193	0.001268	0.290125	5.023273	5.168263	5.064177	5.622938	5.719831	5.697212	5.733141	5.689327	5.773239	4.721121	4.651904	4.503642	5.318904	5.243641	5.314871	4.826728	4.672404	4.922721
DCTN1	ENSG0000	0.149393	6.579867	2.284141	0.035113	0.07845	-5.01609	6.927647	6.925555	6.97174	7.024325	7.074115	7.071012	7.116495	7.060236	7.039862	5.861941	5.966507	5.988557	6.514162	6.423001	6.433614	6.04666	6.156548	6.130587
TCTN1	ENSG0000	0.218572	4.86076	1.598246	0.127909	0.21634	-5.81368	4.85081	5.03743	4.817878	6.400512	6.296007	6.34422	4.99237	4.877874	4.945952	3.985951	4.10258	3.973292	4.878679	4.979952	4.820398	4.458278	4.400624	4.347382
FAM216A	ENSG0000	-0.21893	4.138879	-1.99632	0.061719	0.122533	-5.1207	4.91334	4.905754	4.835673	4.384261	4.392653	4.407292	4.462805	4.519046	4.428601	4.177304	4.214605	4.171248	3.353912	3.223865	3.186878	4.226905	4.184245	4.101878
ZBTB48	ENSG0000	-0.07064	4.12567	-1.00158	0.330214	0.450199	-6.5504	4.088441	3.944869	4.003689	3.753334	3.709312	3.620621	4.011872	3.82184	3.832397	4.501517	4.540416	4.601264	4.728999	4.553723	4.523816	4.426844	4.568087	4.572451
FAM201A	ENSG0000	-0.46134	1.619213	-3.37825	0.003461	0.012557	-1.89915	2.526909	2.534795	2.865896	1.978268	1.612488	1.993763	2.340763	2.255906	2.047395	2.14259	2.074736	2.382761	1.755315	1.495836	1.284217	1.85727	1.981819	1.877799
KRT40	ENSG0000	0.156347	-1.48058	0.83256	0.416325	0.538282	-5.81412	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.676063	1.228418	1.718241	2.314863	2.288901	2.528806	1.681967	1.442809	1.58715
MZT1	ENSG0000	-0.14555	4.554592	-1.81028	0.087479	0.160775	-5.54975	5.023273	5.030008	5.075454	4.464421	4.478119	4.506036	4.889651	5.164994	5.107194	4.871097	4.827642	4.791271	3.735884	3.766081	3.81227	4.477583	4.676269	4.467038
ZNF155	ENSG0000	0.181675	3.161144	1.421743	0.1727	0.272701	-5.8272	2.815895	2.784561	2.794903	2.887595	2.490996	2.784269	3.277716	3.178579	3.271973	3.446357	3.633975	3.596598	4.076593	3.921728	4.083285	3.516101	3.612085	3.725851
UQCC3	ENSG0000	0.095601	4.653153	1.105932	0.283747	0.401351	-6.57344	3.827767	3.8803	4.042515	4.161901	4.455308	4.210498	4.090259	4.147745	3.946814	5.259969	5.26106	5.55125	5.352829	5.201218	5.260115	5.566486	5.428995	5.265357
FBXO48	ENSG0000	-0.38533	1.474577	-2.89252	0.009914	0.028893	-2.88358	2.137484	2.152784	2.423483	1.688986	1.437317	1.575618	1.966276	1.901414	2.165532	2.37464	2.285719	2.16783	1.776519	1.528499	1.550722	1.627702	2.101639	2.119598
ZNF783	ENSG0000	-0.04196	4.092795	-0.64687	0.526122	0.639491	-6.94908	3.313074	3.335139	3.39613	2.791417	2.904251	2.845893	2.981245	3.043491	2.915195	5.314527	5.399419	5.301295	5.340423	5.322591	5.389047	5.392313	5.346497	5.397464
ZNF425	ENSG0000	0.020264	2.807722	0.074419	0.941522	0.962241	-6.70109	3.633432	3.347134	3.270929	2.255624	2.078331	2.258349	2.908934	3.122225	3.00245	2.843296	2.766797	2.806521	3.520276	3.731427	3.593499	3.063688	3.297679	2.830235
LRRC10B	ENSG0000	0.560766	0.381592	2.296828	0.03423	0.076936	-4.11477	0.318509	0.582935	0.323815	0.258133	0.625525	0.461789	0.269385	0.106501	0.106501	2.204194	2.546219	2.34226	4.444342	4.455227	4.460466	3.209363	2.921385	3.093712
C12orf73	ENSG0000	0.107605	4.078045	1.244267	0.22983	0.340666	-6.15533	4.405107	4.564207	4.520694	4.605448	4.628433	4.824468	4.825625	4.837607	4.7071	3.75845	3.774119	3.809637	3.635009	3.479115	3.713835	3.698273	3.68296	3.581792
PCDHGA1	ENSG0000	0.538722	2.036448	1.707321	0.105464	0.186317	-5.06358	0.814199	1.173893	1.256574	3.21869	3.053471	3.27721	1.917967	2.255906	1.777424	2.722179	2.531245	2.693003	2.949505	2.950162	2.895043	2.652661	2.755911	2.742606
ARHGEF34	ENSG0000	0.249914	-0.07481	1.924805	0.070688	0.136239	-4.83679	0.106501	0.215206	0.106501	0.258133	0.25478	0.2349	0.106501	0.253663	0.106501	3.102524	3.1855	3.043904	3.663745	3.793216	3.72061	3.350072	3.236163	3.31642
PCDHA7	ENSG0000	0.445016	0.093096	2.931724	0.009115	0.027003	-2.96055	0.318509	0.215206	0.106501	0.258133	0.25478	0.3528	0.106501	0.253663	0.106501	2.906434	2.779525	2.983737	3.988472	3.90938	3.799527	3.407564	3.440885	3.202807
PCDHA5	ENSG0000	-0.25712	-0.55288	-1.0594	0.303841	0.423007	-5.56873	0.216396	0.316291	0.219246	0.52061	0.828511	0.2349	0.106501	0.253663	0.39151	1.732907	1.672391	1.585733	2.193986	2.148862	2.141451	1.512637	1.329561	1.504318
PCDHA4	ENSG0000	0.413045	0.995195	2.161762	0.044777	0.09499	-4.4737	0.216396	0.499412	0.106501	0.934951	0.730585	1.188496	0.670238	0.253663	0.256032	3.331423	3.223257	3.353367	4.457531	4.403337	4.577054	3.630901	3.644015	3.55117
PCDHA1	ENSG0000	0.523439	0.6624	2.856921	0.010696	0.030661	-3.20441	0.106501	0.316291	0.421314	0.52061	0.512209	0.563119	0.106501	0.387194	0.106501	3.294134	3.414909	3.406715	4.301707	4.385617	4.389961	4.078031	3.916575	3.779675
TRIM13	ENSG0000	-0.07992	4.495666	-1.32203	0.2032	0.308876	-6.22579	4.825019	4.864623	4.970641	4.416862	4.462952	4.434292	4.695544	4.637703	4.84333	4.421642	4.566354	4.53991	4.191564	4.403337	4.302347	4.489042	4.451131	4.582581
SPIRE2	ENSG0000	0.215914	5.066059	1.720725	0.102954	0.182795	-5.52761	6.673197	6.699788	6.828017	7.054422	7.212045	7.050436	6.999498	6.932239	7.013847	2.894025	3.166245	3.101662	4.076593	3.813238	3.793113	3.063688	3.182818	3.189613
SLFN12L	ENSG0000	0.582605	-1.42331	2.66737	0.015975	0.042152	-3.17912	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.457372	1.752042	1.73919	1.916818	1.393161	1.488568	2.154563	2.054898	2.003758
SLC35B4	ENSG0000	-0.09339	5.492954	-1.58334	0.13127	0.220606	-6.0294	6.176225	6.168638	6.095343	5.941353	5.949389	5.937902	6.195078	6.182756	6.167064	5.185557	5.283572	5.232786	4.679202	4.660731	4.677975	5.012893	4.993761	4.977487
SYCE1L	ENSG0000	0.238436	0.967217	1.115424	0.279771	0.397048	-5.588	1.286899	1.277811	1.453818	1.393812	2.264801	1.757653	1.074544	1.367163	1.0941	1.158593	1.335727	1.67541	1.973006	2.23054	2.312654	1.85727	1.795362	1.58715
TMEM231	ENSG0000	-0.20777	3.493911	-2.27052	0.036084	0.080104	-4.48054	3.682132	3.704977	3.854572	3.503067	3.709312	3.878271	3.137083	3.384264	3.254305	3.622156	3.626949	3.70172	3.773284	3.738425	3.658454	3.66498	3.571152	3.725851
C4orf47	ENSG0000	0.451254	0.023004	1.769775	0.094207	0.170582	-4.62759	0.742531	0.499412	0.679585	1.326771	1.164793	0.984419	0.886508	0.824004	0.833554	1.158593	1.529011	0.993481	1.218025	1.203912	0.910419	1.286141	1.368306	1.58715
TRIQK	ENSG0000	1.052593	4.754455	9.049523	5.20E-08	2.26E-06	8.676245	3.738482	3.8803	3.698006	5.554996	5.403664	5.471446	5.173034	5.27247	5.261087	4.037631	4.340194	4.278887	5.32071	5.313248	5.224807	4.762075	4.940116	4.99276
SDHAF1	ENSG0000	-0.04569	3.717279	-0.46327	0.648888	0.745753	-6.81681	3.783815	3.759847	3.726899	3.766043	3.820593	3.722706	3.296733	3.431409	3.856018	4.01489	4.092415	3.986493	3.850304	3.871689	3.700188	4.267397	4.05364	3.897964
PSENEN	ENSG0000	-0.13239	4.06577	-1.27931	0.217512	0.326383	-6.15964	4.25866	4.006672	4.400306	4.161901	4.061165	4.053927	4.057185	3.988732	4.042563	3.93235	4.051023	4.194187	4.524863	4.446707	4.602954	4.031767	4.017531	3.922098
ZBTB10	ENSG0000	-0.46505	4.467596	-3.52125	0.00253	0.009793	-2.1829	4.245758	4.197635	4.262385	4.40878	4.343809	4.233737	4.215456	4.45204	4.380548	4.911672	5.082559	4.842989	5.014278	5.188499	5.253122	4.151986	4.156841	4.299055
C4orf46	ENSG0000	0.295482	5.145899	0.746842	0.465088	0.584974	-6.84056	5.583279	5.639833	5.555197	7.096538	6.900636	7.00163	6.056907	6.102495	6.094449	4.75239	4.675929	4.676498	3.281595	3.272884	3.167173	4.588279	4.559742	4.689552
CCDC144N	ENSG0000	0.258269	-1.41768	1.92632	0.070486	0.135924	-4.53216	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.814181	2.135404	1.877881	1.689764	1.652223	1.639204	1.903678	2.169028	2.226823
LGR4	ENSG0000	0.214266	6.281213	1.197982	0.246918	0.360665	-6.48181	7.5258	7.587496	7.593675	8.890695	8.789627	8.883776	8.072094	8.106171	8.103439	4.742042	4.57368	4.542892	4.704315	4.736081	4.691833	3.967679	4.162364	4.080593
PSMB10	ENSG0000	0.017023	3.928012	0.19259	0.8495	0.898851	-7.00963	3.349713	3.298545	3.090013	3.255206	3.643567	3.666886	3.158032	3.002451	3.162566	4.395472	4.447768	4.554757	5.385974	5.296751	5.361134	4.598895	4.559742	4.45054
VIT	ENSG0000	1.841864	-0.09204	3.039731	0.007226	0.022408	-2.35221	2.815895	2.870177	2.794903	7.342274	7.300026	7.328346	4.536652	4.670823	4.776822	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
E2F4	ENSG0000	-0.41323	7.634443	-4.70939	0.000188	0.001247	-0.02285	8.013106	8.012017	8.057028	6.856221	7.027194	6.927555	7.423803	7.3056	7.421596	8.132946	7.978785	8.028428	7.682798	7.570143	7.617089	7.848299	7.822889	7.834396
PDE7A	ENSG0000	-0.33432	5.521395	-6.70472	3.20E-06	5.32E-05	4.373723	5.557407	5.622666	5.668751	5.927278	5.726197	5.812316	5.392213	5.27247	5.416114	5.632834	5.625972	5.53037	5.764537	5.652103	5.73358	5.269218	5.104049	5.262209
TMEM170	ENSG0000	1.139019	3.144427	3.658477	0.001872	0.007687	-1.36752	4.884496	4.852052	4.86196	5.691159	5.217382	5.387592	6.254643	6.182756	6.240692	1.52331	1.725977	1.60868	1.667235	1.710321	1.722572	1.286141	0.924142	1.370407
SNX2	ENSG0000	0.138022	6.253057	2.235262	0.038715	0.084717	-5.09289	6.1847	6.229843	6.155027	6.283849	6.237045	6.317278	6.53044	6.450256	6.521134	6.189666	6.202186	6.097004	6.339053	6.396703	6.307655	6.114821	6.137047	6.212776
NT5M	ENSG0000	-0.59549	2.068595	-5.13504	7.59E-05	0.000611	1.735537	4.051848	4.101775	3.987862	2.91067	3.093416	2.845893	3.405851	3.26787	3.468658	1.840286	1.644832	1.858866	1.121891	1.203912	1.17005	1.681967	1.613793	1.461048
ADGRG1	ENSG0000	-0.10479	9.616507	-1.24964	0.227905	0.338448	-6.87922	9.938908	9.998495	10.02238	9.803421	9.921301	9.887636	9.7095	9.520258	9.631516	9.238275	9.157182	9.229486	9.72673	9.610271	9.663397	9.396543	9.334002	9.342704
IPO7	ENSG0000	0.040674	8.359877	1.193592	0.248587	0.362512	-6.8727	8.555957	8.528551	8.55717	8.470089	8.447347	8.437151	8.672297	8.695302	8.654041	8.258345	8.271808	8.19334	8.040326	8.072258	8.109511	8.199356	8.146409	8.251175
PRR13	ENSG0000	-0.22675	5.749253	-3.41422	0.003199	0.011783	-2.6351	6.061262	6.122277	6.027288	5.824713	5.769991	5.862876	5.643139	5.663233	5.56328	5.728536	5.624209	5.776944	5.730985	5.83623	5.735254	5.760217	5.64557	5.607985
TECPR1	ENSG0000	0.226825	4.698833	3.248832	0.004591	0.015735	-2.79241	4.650007	4.435299	4.66702	4.949796	4.860273	4.951383	4.99237	4.877874	4.654189	4.355303	4.514003	4.551799	5.062552	5.046305	5.020346	4.704254	4.609106	4.703543
MT1A	ENSG0000	0.029107	-0.77275	0.098244	0.922856	0.949255	-5.92762	4.29042	4.101775	4.16017	2.518519	2.460774	2.532704	4.31208	4.090149	4.189248	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CFI	ENSG0000	-0.76571	2.900727	-7.16389	1.35E-06	2.73E-05	5.511404	1.384302	1.173893	1.088647	2.840308	3.033076	2.763128	0.670238	1.082132	1.38134	4.549776	4.662249	4.66833	6.089767	6.052395	6.099893	3.768919	3.974229	3.848451
SAMD9	ENSG0000	0.029205	4.573519	0.279054	0.783478	0.848631	-7.30063	2.369288	2.068355	2.300736	2.887595	2.904251	2.605775	1.917967	1.945386	2.471058	7.206844	7.349847	7.299483	6.649617	6.751716	6.666362	7.275001	7.355437	7.346709
KRT6A	ENSG0000	0.509683	2.187185	3.664343	0.001848	0.007609	-1.8822	1.286899	1.002471	1.088647	0.52061	0.625525	0.984419	0.670238	0.387194	0.39151	5.185557	5.226618	5.288917	4.089359	4.220515	4.311352	5.85183	5.975466	5.706224
CNEP1R1	ENSG0000	0.180115	4.030308	2.826231	0.011419	0.0323	-3.47523	4.357924	4.342481	4.345467	4.784753	4.733289	4.702062	4.606901	4.677356	4.556652	3.651939	3.554746	3.641797	3.741287	3.695921	3.793113	3.651445	3.603991	3.788453
KRT81	ENSG0000	1.154002	5.855105	4.012438	0.00086	0.004135	-1.31699	6.072266	5.896035	5.980067	6.704387	6.77884	6.567948	6.164346	6.030322	6.195117	4.404248	4.487097	4.660116	5.368624	5.372923	5.278599	6.679013	6.662488	6.6291
ATP6AP1L	ENSG0000	-0.58043	1.377567	-2.44145	0.025526	0.060981	-3.72917	2.629805	2.49222	2.865896	1.256461	1.666451	1.526279	1.966276	1.367163	1.38134	1.865926	2.032826	2.120715	1.667235	1.591687	1.355599	2.26534	1.795362	2.119598
CCDC85C	ENSG0000	0.996783	4.003012	9.209513	4.02E-08	1.85E-06	8.953256	2.416107	2.258179	2.300736	3.999198	3.99943	3.722706	3.747379	3.446787	3.733845	4.359822	4.494836	4.385707	5.184566	5.287239	5.191054	5.308556	5.232987	5.12686
AC004980.	ENSG0000	0.152845	1.838982	1.344846	0.195868	0.300199	-5.53453	2.080492	2.125186	2.109199	2.359902	2.155834	2.029614	2.144798	2.108984	2.616448	2.18395	2.074736	2.34226	2.209661	2.06228	2.312654	2.334732	2.254246	2.226823
RGL3	ENSG0000	-0.36329	3.379436	-2.4059	0.027449	0.064579	-4.25571	3.454357	3.335139	3.55495	2.97776	2.71237	3.306732	2.696258	2.481727	2.82232	3.87036	4.071868	3.728156	4.486773	4.398927	4.355551	3.617041	3.765107	3.87342
NAP1L4	ENSG0000	-0.0368	6.653056	-0.56868	0.576809	0.683998	-7.28868	6.847715	6.908455	6.850072	6.797081	6.772703	6.80232	6.748129	6.74433	6.70796	6.598099	6.674605	6.678456	6.261275	6.255066	6.278105	6.708723	6.699045	6.691272
SMG1P2	ENSG0000	0.037495	1.264069	0.222553	0.826463	0.881285	-6.20951	2.19231	2.009193	2.221741	2.021307	2.078331	1.840725	1.867984	2.357042	2.34318	1.704765	1.529011	1.360915	1.711947	1.528499	1.129895	1.571317	1.581179	1.370407
TMSB4X	ENSG0000	0.449018	9.520363	6.488492	4.86E-06	7.28E-05	3.620498	9.187983	9.155601	9.085357	10.13115	10.11051	10.01968	9.436692	9.511143	9.52411	9.110703	9.101408	9.007081	9.635835	9.771925	9.774502	9.543807	9.600887	9.695813
TMEM256	ENSG0000	0.196423	2.32216	1.021786	0.320818	0.440538	-5.87567	3.361722	3.382531	3.466347	3.54791	3.170134	3.498018	3.617275	3.89093	3.721038	1.586365	1.529011	1.896649	2.062048	2.250257	2.10048	1.482378	1.707432	1.546329
SMN2	ENSG0000	-0.12053	4.179925	-1.19757	0.247074	0.360856	-6.31572	4.846543	5.073976	4.763138	3.910405	3.934936	3.765857	4.56045	4.540708	4.7071	4.295234	4.061483	4.209279	3.741287	3.772912	3.87435	4.32821	4.094656	4.255399
POM121B	ENSG0000	-0.15725	0.143459	-0.61888	0.543976	0.655376	-5.85496	1.719036	1.849715	1.667608	0.742604	1.437317	1.422231	2.102195	1.301009	1.620777	1.073118	0.941811	1.061592	0.610222	0.550009	0.335616	0.789161	1.024588	0.999041
HMGN1	ENSG0000	-0.24797	7.30498	-6.08597	1.07E-05	0.000135	2.93026	7.43707	7.447575	7.445103	7.217131	7.118349	7.107114	7.067511	7.138087	7.050138	7.46823	7.473472	7.57798	7.308199	7.330709	7.40107	7.338672	7.350003	7.383386
DENND6B	ENSG0000	-0.29625	2.916766	-2.90594	0.009633	0.028234	-3.13987	2.725848	2.513665	2.446827	2.840308	2.970101	3.103073	2.446718	1.945386	2.087859	3.42926	3.414909	3.45816	4.47385	4.344933	4.355551	3.298901	3.287607	3.107809
LINC01446	ENSG0000	0.186175	-1.31352	1.50805	0.149405	0.243879	-5.18762	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.121457	2.212518	1.951531	1.858352	1.946191	1.876113	2.229352	2.315011	1.942153
LCMT1	ENSG0000	-0.61002	5.148148	-6.71213	3.16E-06	5.26E-05	4.447026	5.864307	5.871329	5.799175	5.371747	5.248674	5.345543	4.980658	5.048863	4.912549	5.193173	4.989766	5.147212	5.092452	5.188499	5.105638	4.802439	4.691628	4.780362
CDPF1	ENSG0000	-0.26148	2.589196	-2.03653	0.057139	0.115224	-4.6371	3.603403	3.209365	3.231147	3.06262	3.033076	2.865864	2.724622	3.023117	2.82232	2.37464	2.66072	2.569785	2.626498	2.770668	2.604018	2.524879	2.568968	2.549558
LIN52	ENSG0000	0.047169	3.481534	0.300809	0.767109	0.836615	-6.93372	2.884092	2.693541	2.5366	3.342644	3.053471	2.961768	3.050103	3.3682	3.00245	4.623032	4.588222	4.651854	3.501296	3.839509	3.65138	4.630284	4.414575	4.472495
NA	ENSG0000	0.102224	4.467472	1.413288	0.175133	0.275718	-6.0694	4.905158	4.893538	5.002498	4.562385	4.681813	4.685302	5.003988	4.928048	4.951444	4.172174	4.107636	4.087963	4.187612	4.235431	4.368551	4.311095	4.283876	4.268007
ETFRF1	ENSG0000	-0.1613	4.838731	-2.66065	0.016202	0.042617	-4.13434	3.983545	3.952741	3.81026	4.052041	3.6964	3.97338	4.13321	3.786013	3.990155	5.921232	5.899582	5.920264	5.969477	6.043948	6.012871	5.617847	5.748292	5.726921
C17orf107	ENSG0000	-0.00356	0.243122	-0.01948	0.984676	0.990029	-6.09498	0.503316	0.582935	0.679585	1.326771	1.498102	1.188496	0.548589	0.387194	0.515351	1.158593	1.55885	1.387696	2.42639	2.190279	2.449456	1.320757	1.406038	1.626848
ITSN1	ENSG0000	-0.19018	5.515285	-3.4464	0.002981	0.011187	-2.4877	6.001113	6.037841	6.031155	6.085203	6.094235	6.164417	5.888503	5.905096	6.033605	5.096306	5.200828	5.074898	5.186547	5.301484	5.323798	4.829736	4.815969	4.82371
ITPRIPL2	ENSG0000	0.049238	6.298727	0.683085	0.503508	0.619672	-7.19299	6.359567	6.261877	6.220828	5.887123	5.95482	5.965928	5.931722	6.107342	6.033605	6.482683	6.563087	6.521048	6.333699	6.33341	6.383262	6.801262	6.726333	6.854832
DENND1C	ENSG0000	-0.29802	0.18613	-1.17859	0.254357	0.369035	-5.55828	0.742531	0.582935	0.421314	0.52061	0.730585	0.657796	0.106501	0.726566	0.735084	2.078238	1.989662	1.986992	2.399306	2.269709	2.365487	2.034568	1.90484	1.58715
PKD1P4	ENSG0000	0.089336	1.556434	0.596382	0.558566	0.668804	-6.27709	1.755904	1.551021	1.706811	1.182548	1.373859	1.475193	1.70672	1.809233	1.445026	2.100009	2.437987	2.569785	2.738794	2.433888	2.661487	2.652661	2.429363	2.350536
CRYZL1	ENSG0000	-0.26038	4.149701	-2.73757	0.01378	0.037536	-3.70844	4.688657	4.495815	4.662041	4.325376	4.551652	4.337497	4.090259	4.247712	4.428601	3.901688	3.958911	4.096105	4.215053	4.335734	4.315833	3.806044	3.896833	3.840032
RP9P	ENSG0000	0.298594	2.139809	1.84868	0.081494	0.152606	-4.81564	2.668993	2.870177	2.794903	3.342644	2.85862	3.103073	3.094248	2.801791	2.798137	2.033684	1.899254	1.839597	1.644349	1.897007	1.923865	2.432936	2.146913	2.252429
C5orf51	ENSG0000	0.409204	5.392952	4.169895	0.000609	0.003136	-0.92028	5.313374	5.237561	5.241504	5.730596	5.684306	5.935541	5.967764	6.043026	6.051618	5.085433	5.162472	5.158919	5.221759	5.144398	5.146464	5.198848	5.138081	5.262209
CATSPER2I	ENSG0000	-0.16553	0.688554	-0.61248	0.548109	0.65885	-5.93035	2.245129	2.258179	2.049454	1.457877	1.006428	1.623325	1.917967	1.945386	2.087859	0.7264	1.228418	1.188864	1.054048	1.120667	1.209118	0.837776	1.206659	1.058313
GAGE1	ENSG0000	-0.29555	-0.23098	-3.37952	0.003452	0.012531	-2.22344	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.299944	4.127684	4.04234	3.850304	3.724396	3.593499	3.877544	3.829005	3.734962
PLPP6	ENSG0000	-0.24839	4.365127	-3.4019	0.003287	0.012037	-2.4399	3.729242	3.8803	3.745844	4.384261	4.478119	4.279122	3.474265	3.646467	3.655245	5.001167	4.908086	5.020321	5.215949	5.260752	5.166452	4.823714	4.751478	4.536426
KLRC2	ENSG0000	0.444992	0.286296	1.371438	0.18759	0.289999	-5.07368	1.18244	0.940485	1.499186	2.81607	2.490996	2.346268	2.102195	1.658879	2.047395	0.7264	0.748206	0.499259	1.088368	1.282615	1.17005	0.393424	0.504542	0.409347
PCOTH	ENSG0000	0.261866	0.060809	1.373792	0.186871	0.289336	-5.0712	1.336422	1.327092	1.146821	1.933905	1.817192	1.575618	1.317361	1.430416	1.50602	0.7264	0.462741	0.594297	0.982856	1.032323	1.046067	0.837776	0.572487	0.580851
C1QTNF9B	ENSG0000	0.171139	-0.53083	1.782366	0.092069	0.167348	-5.11148	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.226465	3.470912	2.974933	3.520276	3.41941	3.533199	3.254827	3.404065	3.340497
C1RL-AS1	ENSG0000	0.065798	1.917416	0.50008	0.623256	0.723122	-6.34848	2.051128	2.068355	1.921989	2.021307	1.817192	2.455733	2.102195	2.255906	1.777424	2.605258	2.590228	2.272125	2.399306	2.50126	2.449456	2.334732	2.711397	2.59029

ZNF316	ENSG0000	-0.0951	5.739715	-1.02516	0.319268	0.438938	-6.81648	5.770583	5.759098	5.848213	5.199754	5.539998	5.183924	5.624444	5.640007	5.760779	5.89345	5.927012	5.984176	6.098213	5.964114	6.040211	5.989982	5.851038	5.745073
RNPS1	ENSG0000	-0.21723	7.83949	-3.74056	0.001563	0.006668	-2.15717	8.10572	8.104574	8.158607	7.368553	7.441187	7.376994	7.84629	7.70625	7.828409	8.103609	8.030946	8.055822	7.794855	7.730522	7.732621	7.973237	7.960007	7.911259
NYNRIN	ENSG0000	1.342024	0.76546	5.240455	6.08E-05	0.000512	1.939363	0.41387	0.316291	0.679585	2.359902	2.366112	2.098749	1.459147	1.491012	1.01237	0.834246	1.228418	1.360915	2.727949	2.686334	2.730245	1.599785	1.82352	1.546329
DNAJC19	ENSG0000	-0.17016	4.69673	-2.74099	0.013681	0.037351	-3.89715	4.789897	4.893538	4.904734	4.299384	4.213935	4.202668	4.583863	4.753535	4.633836	5.043915	4.989766	5.10547	4.785003	4.777434	4.845411	4.891489	4.897703	4.96205
DOK6	ENSG0000	0.258209	2.440304	1.72192	0.102733	0.182595	-4.96252	3.603403	3.58855	3.511328	4.971905	4.770725	4.894191	3.719464	3.711575	3.733845	1.352446	1.190799	1.277453	1.818016	1.819936	1.900186	1.65509	1.478665	1.626848
JPT2	ENSG0000	0.475186	7.586986	11.62023	1.19E-09	1.28E-07	12.27635	7.026197	7.090719	7.057645	7.514081	7.539352	7.548972	7.54903	7.44805	7.422585	7.462464	7.387228	7.419112	8.140838	8.145486	8.124277	7.939526	7.901769	7.991854
SERPINB11	ENSG0000	2.161349	-0.11874	6.563816	4.20E-06	6.54E-05	4.159726	4.226185	4.217373	4.011539	4.020568	4.158524	3.991672	6.33962	6.361757	6.329849	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SERPINB5	ENSG0000	-0.1001	6.458404	-0.59674	0.558331	0.668599	-7.27242	6.871008	7.002463	6.821334	5.842822	6.005424	5.822571	6.079044	6.109759	5.880784	6.630249	6.594939	6.574477	6.240442	6.412102	6.385395	7.070898	7.081482	7.143608
ZDHHC11B	ENSG0000	0.037052	-0.69039	0.064055	0.949653	0.967518	-5.83084	2.165157	1.744817	2.049454	2.291228	1.864131	2.098749	2.102195	1.901414	1.777424	0.106501	0.106501	0.288049	0.5125	0.784432	0.760679	0.183756	0.19538	0.106501
HERC2P9	ENSG0000	-0.0428	3.774109	-0.41832	0.680805	0.771168	-6.79919	3.999005	4.101775	4.208773	3.875646	4.009905	4.427589	4.302704	4.265167	4.22597	3.831846	3.896014	3.733386	3.346841	3.41941	3.478287	3.630901	3.467897	3.660409
GYG2P1	ENSG0000	-0.00729	-1.18488	-0.02972	0.976629	0.984578	-6.10966	0.216396	0.215206	0.106501	0.258133	0.106501	0.2349	0.269385	0.106501	0.106501	1.239286	1.55885	1.60868	1.878105	1.793303	2.10048	1.512637	1.513652	1.370407
ATP10A	ENSG0000	0.396897	1.014689	1.24262	0.230422	0.341224	-5.50491	1.069823	0.582935	1.202741	2.021307	2.03796	2.132113	0.983587	0.824004	0.833554	2.14259	1.777644	1.696985	2.062048	1.897007	2.121111	2.095813	2.447571	2.374055
DUXAP8	ENSG0000	0.009444	5.023835	0.187295	0.853587	0.901367	-7.19886	4.740165	4.733688	4.813395	5.015132	5.008661	4.93257	4.751751	4.664259	4.751857	5.272006	5.247382	5.052059	5.45336	5.560311	5.578118	5.175396	5.222451	5.284099
HCP5	ENSG0000	0.565339	3.463405	4.517011	0.000286	0.00172	0.059635	2.392887	2.009193	2.221741	2.887595	3.012388	3.349911	2.412257	2.753138	2.530983	4.399867	4.45572	4.460144	4.437701	4.630959	4.448272	5.010245	5.039493	4.938581
HLA-H	ENSG0000	0.325143	3.295923	3.798626	0.001375	0.006033	-1.22042	3.96004	4.051346	4.019345	4.569652	4.607895	4.473866	4.274204	4.341199	4.355908	2.527059	2.320972	2.581432	2.760241	2.671787	2.76998	2.855159	2.741225	2.549558
H1-10-AS1	ENSG0000	0.112111	0.780333	0.444946	0.66182	0.756451	-6.00461	1.475543	1.277811	1.706811	2.143217	2.229385	2.374422	1.70672	1.549165	1.50602	0.934589	1.112482	1.46518	1.308151	1.320413	1.247156	1.482378	1.368306	0.734116
RAB12	ENSG0000	-0.11008	5.79608	-1.91737	0.071684	0.137729	-5.60975	5.918158	5.920324	5.931247	5.420792	5.419464	5.331249	5.794634	5.740142	5.623012	5.978182	6.003595	6.137016	5.765863	5.910909	5.890527	5.984595	6.015684	6.028687
HLA-A	ENSG0000	0.404084	10.16232	5.325078	5.09E-05	0.000447	1.16728	9.718343	9.753241	9.782852	10.36788	10.45686	10.36617	10.10801	10.06924	10.19289	10.02548	10.01013	10.07892	10.17032	10.21619	10.22381	10.49016	10.49005	10.42489
HACD2	ENSG0000	-0.12711	6.311588	-1.46972	0.15941	0.256652	-6.36204	6.068608	6.086949	6.023412	5.657452	5.713437	5.801988	5.93476	5.994144	5.912107	6.721735	6.712433	6.67098	6.93067	6.991704	7.00912	6.60984	6.561611	6.559006
CFAP44	ENSG0000	0.113319	2.484438	0.689701	0.499438	0.616581	-6.45898	1.719036	1.173893	1.62731	2.548252	2.398361	2.605775	1.762502	1.945386	2.127218	3.751589	3.569479	3.36689	3.629193	3.599295	3.707028	3.333216	3.485627	3.770842
NA	ENSG0000	-0.00737	0.019929	-0.03873	0.969544	0.98028	-6.3394	0.41387	0.582935	0.219246	0.635873	0.25478	0.461789	0.269385	0.253663	0.256032	2.224158	2.388995	2.382761	2.079215	2.581279	2.513282	2.524879	2.295039	2.419973
LNP1	ENSG0000	1.283531	0.022039	4.937292	0.000116	0.000847	1.347176	0.814199	0.316291	0.598525	1.022291	0.92021	0.984419	0.782422	0.915275	1.445026	1.158593	0.695454	1.094478	1.121891	1.203912	1.51998	1.571317	1.82352	1.703111
VGLL3	ENSG0000	-0.49588	3.122079	-5.00148	0.000101	0.00076	1.230482	2.461454	2.674627	2.758051	2.864145	2.881616	2.697781	2.144798	1.988058	1.873138	4.009149	3.930661	4.054926	4.900573	4.820936	4.839198	3.538334	3.554448	3.788453
ANKRD28	ENSG0000	0.024802	5.856719	0.45939	0.651616	0.748043	-7.20861	5.845187	5.809819	5.843823	6.44268	6.474882	6.497692	5.646849	5.737018	5.663734	5.520274	5.4757	5.437298	6.123258	6.2029	6.224294	5.59858	5.631703	5.717759
METTL6	ENSG0000	-0.03178	4.344914	-0.43922	0.665881	0.759793	-6.98131	4.363907	4.312206	4.07284	4.43289	4.091068	4.226032	3.928981	4.413424	4.16108	4.656475	4.483212	4.612661	4.627624	4.627193	4.749288	4.555953	4.547132	4.651565
THUMPD3-	ENSG0000	-0.25619	3.457778	-3.19239	0.005191	0.017381	-2.71658	3.114469	3.196163	3.104764	3.142765	3.151334	2.998412	2.908934	3.351955	3.124172	4.182415	4.223947	4.12026	4.275881	4.084346	4.174939	3.743628	3.822043	3.992166
MIR621	ENSG0000	-0.04289	1.847601	-0.27643	0.785462	0.85036	-6.34376	2.438959	2.693541	2.558197	2.393052	2.429905	1.993763	2.545421	2.801791	2.440135	2.163418	1.899254	2.004401	1.818016	2.169719	1.923865	1.970607	2.190809	1.58715
MT-RNR2	ENSG0000	0.819092	9.805952	7.538515	6.81E-07	1.59E-05	5.656719	9.878284	9.880557	9.675323	11.23971	11.3625	11.19988	11.11436	10.84645	10.89432	8.430931	8.379711	8.215933	9.618417	9.735556	9.70189	8.817538	8.930831	8.623735
GPX3	ENSG0000	-0.03264	5.206689	-0.37322	0.713474	0.79677	-7.054	6.848782	6.962086	6.915329	5.938549	5.957528	5.832753	6.906617	6.74433	6.874788	4.092963	4.082178	4.12026	3.623353	3.759216	3.713835	4.185243	4.106163	4.108904
DIO2	ENSG0000	-0.29203	1.653874	-0.74895	0.463847	0.583743	-5.7828	5.578142	5.520446	5.643717	4.502891	4.594038	4.337497	5.338168	5.38452	5.300358	0.34397	0.330605	0.639567	0.787801	0.484926	0.707101	0.326864	0.19538	0.315289
SELENOH	ENSG0000	-0.13357	5.092506	-0.74522	0.466042	0.585915	-6.96803	5.0569	5.25994	5.234814	4.122913	4.752128	4.293939	4.758625	4.784126	4.758139	4.936085	5.372368	5.656856	5.807663	5.813217	5.746917	5.505727	5.440404	5.184529
GNRHR2	ENSG0000	0.213035	-0.5349	0.647074	0.525992	0.6394	-5.92575	0.106501	0.215206	0.323815	0.635873	0.25478	0.563119	0.415731	0.622068	0.256032	1.732907	1.777644	1.839597	1.689764	1.528499	1.488568	1.784732	1.289746	1.877799
STK38L	ENSG0000	0.24629	6.327083	3.535728	0.002451	0.009532	-2.47297	5.004246	4.901694	4.822347	6.036208	5.949389	5.956646	5.315037	5.356295	5.451432	7.072207	7.048421	7.035688	7.629532	7.585747	7.584032	7.121476	7.179377	7.256264
SACM1L	ENSG0000	0.398132	5.605809	6.545733	4.35E-06	6.70E-05	4.038036	5.493352	5.575013	5.363051	5.848808	5.812494	5.827671	5.910274	6.112173	5.869223	5.376047	5.446069	5.403251	5.408221	5.443133	5.430962	5.731559	5.64557	5.760771
MT-RNR1	ENSG0000	0.222865	7.007514	1.389233	0.182209	0.283923	-6.49458	7.121095	7.815046	7.011423	7.593767	7.663132	7.501891	7.541078	7.285427	7.389583	6.226009	6.021117	5.998365	7.207868	7.345107	7.330296	6.539939	6.496423	6.275002
TSN	ENSG0000	-0.34457	6.744709	-7.33181	9.91E-07	2.12E-05	5.417027	7.171428	7.152685	7.007503	6.485573	6.42096	6.425521	6.727255	6.863714	6.719273	7.061151	6.958238	7.049381	6.436358	6.579268	6.548502	6.684838	6.612931	6.753118
SLC48A1	ENSG0000	-0.479	5.373069	-3.85213	0.001223	0.005504	-1.53943	6.921575	6.973738	6.922632	6.120268	6.350594	6.083584	6.271563	6.082943	6.344535	4.604112	4.382523	4.29666	4.337818	4.433832	4.377153	4.213151	4.464605	4.359215
PRR22	ENSG0000	-0.09257	-0.07214	-0.38281	0.706479	0.791255	-5.92192	0.814199	0.8079	1.202741	1.393812	1.437317	1.188496	1.074544	0.509405	1.01237	0.88529	1.029669	0.958181	1.018891	0.938214	1.002253	0.837776	1.024588	0.999041
SNORD17	ENSG0000	0.642889	0.415095	3.645312	0.001927	0.007861	-1.25283	1.069823	1.118985	1.256574	0.742604	1.006428	0.563119	1.917967	1.901414	1.777424	1.704765	1.435603	1.439812	0.701742	0.7293	0.957066	1.708352	1.707432	1.665483
LINC01089	ENSG0000	-0.12209	1.056216	-0.4996	0.62359	0.723449	-6.02565	2.320899	2.232543	2.720234	2.103714	1.996426	1.993763	2.340763	2.451551	2.588518	0.982259	1.152172	1.305813	1.218025	1.203912	1.209118	0.686723	0.871168	1.504318
LINC02693	ENSG0000	0.638508	2.709337	4.168566	0.00061	0.003142	-0.2482	4.973272	4.897622	4.840087	5.036268	5.034541	5.227023	5.56294	5.499594	5.633301	1.490718	1.152172	1.094478	0.982856	0.837535	0.957066	1.354562	1.442809	1.370407
KRTAP2-3	ENSG0000	0.092372	0.134629	0.960295	0.350004	0.471138	-6.43189	0.106501	0.215206	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.182415	4.157244	4.488257	4.167687	4.084346	3.991027	4.481413	4.428393	4.292899
RTL8B	ENSG0000	1.452279	1.354534	8.927934	6.33E-08	2.64E-06	8.443746	0.216396	0.499412	0.421314	1.457877	1.437317	1.575618	0.886508	0.915275	1.314712	2.078238	2.714733	2.355887	3.92342	3.933972	3.985412	3.508614	3.485627	3.571657
EWSAT1	ENSG0000	2.311335	0.604629	5.061185	8.88E-05	0.000692	1.531949	3.249862	3.222448	3.176339	4.845887	4.65537	4.751204	5.539183	5.525174	5.779429	0.269074	0.185134	0.16959	0.234608	0.26996	0.335616	0.106501	0.19538	0.214669
RPL15P3	ENSG0000	0.079463	1.080192	0.343934	0.734999	0.813157	-6.11786	1.927307	1.780637	2.138168	1.791994	2.429905	2.429135	2.446718	2.029503	2.127218	1.865926	1.335727	1.188864	1.088368	1.16289	1.002253	1.177011	1.368306	1.273688
RNF208	ENSG0000	0.362527	2.018392	2.071393	0.053418	0.109253	-4.65623	2.080492	1.81559	1.78216	1.182548	1.612488	1.422231	1.525136	1.491012	1.314712	2.777267	2.935512	2.845681	3.507651	3.68147	3.353069	3.447271	3.571152	3.135595
MT-ND4L	ENSG0000	-0.03633	6.412968	-0.4664	0.646692	0.744044	-7.27149	6.964535	6.867402	6.803361	7.156889	7.224465	7.136182	7.133784	6.756723	7.084289	6.077544	5.793771	5.755256	5.902337	6.076066	6.033424	5.687476	5.589281	5.733755
MAP10	ENSG0000	0.168049	-0.48706	0.804262	0.43205	0.553239	-6.03061	0.216396	0.106501	0.219246	0.258133	0.106501	0.3528	0.106501	0.253663	0.39151	2.282443	2.453955	2.328504	2.329284	2.416542	2.433049	2.524879	2.233409	2.442395
AC016747.	ENSG0000	-0.38274	3.682891	-4.13276	0.00066	0.00335	-0.60577	4.357924	4.589672	4.382257	4.424898	4.43213	4.407292	4.034706	3.924273	4.207726	3.284659	3.26005	3.318995	3.652319	3.503965	3.693316	2.866919	3.009816	3.121769
ZNF580	ENSG0000	-0.00697	3.801	-0.10373	0.918568	0.94641	-6.94169	3.142584	3.057038	3.231147	4.009923	3.901574	3.97338	3.137083	2.916694	3.289427	4.207702	4.107636	4.275306	4.938696	4.850301	4.845411	4.267397	4.221756	4.087723
ZNF611	ENSG0000	0.514037	2.819444	4.924162	0.000119	0.000867	1.14293	2.345296	2.308123	2.138168	3.06262	2.787348	2.5075	2.981245	2.916694	2.846105	3.102524	3.250939	3.018425	3.741287	3.495729	3.593499	3.552967	3.297679	3.56145
NUP62	ENSG0000	-0.30366	6.449364	-3.7539	0.001518	0.006521	-2.02519	6.535529	6.527344	6.522195	5.833796	5.882565	5.825123	5.922569	5.999368	6.007476	7.198669	7.141947	7.183432	6.316609	6.210468	6.170875	7.080399	7.00977	7.043574
DENND1B	ENSG0000	-0.32222	3.93585	-5.57986	3.00E-05	0.000296	2.364163	4.461995	4.389636	4.441562	4.152252	4.120365	4.062605	4.205428	4.212157	4.08316	3.950439	4.066685	4.063257	3.640803	3.871689	3.754018	3.691675	3.644015	3.761956
Z99572.1	ENSG0000	-0.12178	-0.55284	-0.4724	0.642483	0.740183	-5.98328	0.41387	0.499412	0.421314	0.52061	0.25478	0.3528	0.269385	0.253663	0.629397	1.814181	1.435603	1.126631	1.644349	1.120667	1.695314	1.571317	1.206659	1.370407
SFT2D2	ENSG0000	0.061178	6.396066	0.683552	0.50322	0.619532	-7.17668	6.046458	5.985084	5.929176	6.617648	6.622106	6.69757	6.43067	6.517343	6.293548	6.534567	6.548288	6.369748	6.700428	6.715826	6.694167	6.218282	6.248988	6.281235
CEP43	ENSG0000	0.13812	2.75343	1.18358	0.252428	0.366833	-5.80614	3.999005	3.82133	4.003689	3.955484	4.071202	4.036412	4.215456	4.138304	4.216877	2.30136	2.095243	1.839597	1.897591	1.897007	2.121111	1.85727	2.006592	1.910335
SCAF8	ENSG0000	-0.16401	5.693156	-3.01258	0.007661	0.023492	-3.48283	6.048317	6.045222	6.031155	5.622938	5.674464	5.611097	5.757368	5.801241	5.857568	5.655065	5.667648	5.681416	5.601813	5.62215	5.581843	5.479156	5.613675	5.642288
CFAP45	ENSG0000	-0.87457	0.074067	-2.75856	0.013182	0.03626	-3.04295	0.742531	1.118985	1.358564	0.258133	0.25478	0.461789	0.548589	0.253663	0.515351	1.964162	1.945166	1.896649	2.24051	2.596763	2.014873	1.482378	1.289746	1.703111
ZNF254	ENSG0000	-0.23177	2.628191	-2.30672	0.033557	0.075817	-4.29259	2.109269	2.232543	2.018628	2.548252	2.686486	2.22781	2.303642	1.988058	2.440135	3.60703	3.554746	3.519989	3.53901	3.724396	3.533199	3.190769	3.225651	3.279535
CRIP1	ENSG0000	-0.17239	-0.43266	-0.73803	0.470291	0.589955	-5.87216	0.216396	0.661886	0.512639	0.635873	0.389229	0.2349	0.269385	0.253663	0.256032	1.732907	1.644832	1.439812	1.838325	1.819936	2.058312	1.419885	1.82352	1.546329
KLHL23	ENSG0000	-0.26941	5.251594	-3.01865	0.007562	0.023252	-3.44004	5.149863	5.048491	5.207739	4.479932	4.544465	4.48682	5.115291	5.013152	4.782996	5.844313	5.855181	5.82305	5.755221	5.828053	5.709941	5.522553	5.51784	5.57792
TRIM59	ENSG0000	0.10264	3.267762	1.010909	0.325851	0.445916	-6.38819	2.548084	2.576149	3.075109	2.81607	2.85862	2.825643	3.094248	3.002451	3.084728	4.151473	4.132653	4.128223	3.488503	3.724396	3.780199	4.005409	4.258317	4.150354
MLLT11	ENSG0000	0.422792	5.105444	2.451714	0.024995	0.060003	-4.09841	7.590376	7.605084	7.583179	8.387684	8.325806	8.332504	8.074162	8.143222	8.060877	2.777267	2.590228	2.682227	2.452975	2.084417	2.294605	2.539649	2.518186	2.59029
ARHGEF35	ENSG0000	0.22981	-0.59728	2.600519	0.018373	0.047025	-3.62942	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.047564	3.086546	2.930089	3.288992	3.606961	3.556108	3.181381	3.236163	3.149291
SUPT4H1	ENSG0000	0.696145	6.400235	12.30504	4.86E-10	6.85E-08	13.25567	5.454629	5.418975	5.30675	6.367536	6.256968	6.33171	6.266749	6.293224	6.273953	6.344741	6.311391	6.3469	7.320884	7.28305	7.294415	6.872994	6.902486	6.901097
NRAS	ENSG0000	-0.15423	6.860109	-3.03241	0.007341	0.022685	-3.5916	6.724088	6.71491	6.6881	6.730558	6.610109	6.633486	6.54443	6.595316	6.526664	7.045107	7.071245	7.090207	7.330773	7.330131	7.314148	6.928759	6.880875	6.956675
ANKRD39	ENSG0000	-0.291	2.132528	-2.24185	0.03821	0.083909	-4.19177	2.815895	2.870177	3.119366	2.48816	2.429905	2.629332	2.340763	2.596487	2.560038	2.356666	2.155072	2.473063	2.412911	2.016959	1.947161	2.154563	2.295039	2.350536
QTRT1	ENSG0000	-0.34848	4.817815	-4.31762	0.000441	0.002436	-0.51358	5.340935	5.158086	5.350729	4.619522	4.726954	4.874612	4.673889	4.819999	4.994649	4.842324	4.91387	4.959141	4.922141	4.725555	4.749288	4.640597	4.721863	4.632189
CHUK	ENSG0000	0.276458	5.743392	3.770755	0.001462	0.006317	-1.85466	5.872723	5.930325	5.904096	5.7878	5.921921	6.031491	6.391403	6.493476	6.267362	5.512178	5.366053	5.509184	5.418375	5.472807	5.418515	5.516966	5.607615	5.470195
MXD3	ENSG0000	-0.0843	1.479501	-0.46442	0.648083	0.745128	-6.16897	1.927307	1.780637	1.921989	1.978268	2.71237	2.605775	2.102195	1.760835	2.087859	1.732907	1.967585	1.951531	1.755315	1.793303	1.900186	1.681967	1.795362	1.546329
GSTM2	ENSG0000	0.025352	1.364774	0.071786	0.943587	0.963406	-6.10635	3.43175	3.537122	3.607684	3.503067	3.6964	3.75519	3.539581	3.605944	3.586306	0.669294	0.462741	0.449284	1.644349	1.077171	1.390007	0.457048	0.433238	0.659518
COG8	ENSG0000	-0.00244	4.445319	-0.03371	0.973492	0.982613	-7.09797	4.029438	3.838426	4.095173	4.40878	4.607895	4.414089	4.31208	3.967564	4.011347	4.5772	4.790397	4.845406	5.180594	5.003379	5.148978	4.762075	4.695442	4.577525
ARHGAP19	ENSG0000	-0.14538	2.854052	-1.0355	0.314549	0.434196	-6.21243	3.408783	3.526613	3.745844	2.633943	2.520598	2.581827	3.761137	3.578282	3.746538	3.75845	3.562131	3.538032	1.797417	1.921808	1.610309	3.236813	3.116085	3.375875
LCAT	ENSG0000	-0.40264	1.43951	-2.38381	0.028712	0.06692	-3.70616	2.9807	2.596389	2.830836	3.441022	3.188693	3.03415	2.303642	2.389238	2.560038	1.158593	1.112482	1.277453	1.420179	1.622273	1.129895	1.13872	0.924142	0.999041
MAGEA12	ENSG0000	-0.04107	1.738407	-0.56245	0.580954	0.687311	-7.15676	0.216396	0.215206	0.421314	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	6.998778	6.901874	6.995989	6.819499	6.780817	6.791496	6.981773	6.901661	6.953751
GPC2	ENSG0000	-0.38788	2.069392	-3.13853	0.005835	0.019058	-2.61381	1.927307	1.915637	2.326135	1.578054	1.2379	1.250575	1.867984	1.549165	1.620777	3.367773	3.26005	3.38694	3.083152	3.38415	3.147195	3.083983	2.908298	3.093712
RPL18AP3	ENSG0000	0.121363	2.395954	0.915421	0.372429	0.49473	-6.07595	2.996191	2.90305	3.25779	3.325575	3.112982	2.675323	3.027514	3.122225	3.254305	2.558849	2.115463	2.120715	2.145912	2.190279	2.141451	2.247458	2.429363	2.419973
SIPA1	ENSG0000	0.100376	4.434722	0.760425	0.457137	0.577985	-6.87002	3.476616	3.505362	3.347346	3.342644	3.978251	3.419122	3.632324	3.809996	3.421943	4.992463	5.128054	5.249309	6.205689	6.156634	6.076316	5.299906	5.307153	5.000336
ERV3-1	ENSG0000	0.176871	3.725372	1.319848	0.203913	0.309696	-6.33749	1.286899	1.277811	1.202741	2.91067	2.490996	2.784269	1.70672	1.301009	1.50602	6.097974	6.198636	6.117149	6.208618	6.224242	6.186865	6.275652	6.299984	6.298239
SYNJ2BP	ENSG0000	0.191178	5.581934	3.145158	0.005752	0.018855	-3.2159	4.654895	4.719916	4.636889	5.380038	5.208315	5.093661	5.188389	5.093515	5.136423	6.103374	6.048981	6.064176	6.464396	6.452024	6.481271	6.078617	6.131427	6.149449
ARL2	ENSG0000	-0.0884	4.69558	-1.27355	0.219498	0.328843	-6.28428	4.961483	4.999934	4.974661	5.312338	5.279302	5.179942	4.825625	4.747338	4.967798	4.460029	4.431731	4.575288	4.571104	4.450973	4.512148	4.55958	4.405289	4.347382
FIRRE	ENSG0000	-0.17751	1.777775	-1.58553	0.130772	0.220082	-5.34501	1.336422	1.708084	1.585853	1.688986	1.556428	1.367251	1.389995	1.710758	1.01237	2.990428	3.065914	3.001185	2.977243	2.850343	3.032078	2.807136	3.022017	2.84714
RBMXL1	ENSG0000	0.644515	4.019084	7.127227	1.44E-06	2.87E-05	5.335723	2.949211	2.748839	2.681399	3.753334	3.912781	3.632327	3.814892	3.550079	3.681923	4.565511	4.609763	4.506699	4.907798	4.92887	4.79173	5.080106	5.036489	5.081151
SRA1	ENSG0000	0.018946	6.141445	0.49055	0.629846	0.729342	-7.26561	6.313939	6.208634	6.282136	6.234408	6.23258	6.144119	6.179794	6.271797	6.284872	6.097974	5.9886	6.054807	6.086587	6.126279	6.116685	6.076086	6.144042	6.08143
DNAJC9	ENSG0000	0.175281	5.438888	2.28491	0.035059	0.078378	-4.90385	5.876913	5.776943	5.880717	5.396478	5.162106	5.331249	5.952856	6.055619	5.983548	5.44359	5.487385	5.607869	4.477091	4.501207	4.527685	5.774336	5.653435	5.666299
RPLP0P6	ENSG0000	0.015714	2.258032	0.096962	0.92386	0.949869	-6.419	3.026682	3.128277	3.24453	3.425084	3.34578	3.086148	3.690999	3.102941	3.044176	2.204194	2.23117	1.800268	1.733794	1.710321	1.923865	1.903678	1.795362	2.003758
C8orf82	ENSG0000	0.357967	3.913189	4.681754	0.0002	0.001299	0.444398	2.933205	2.9974	3.217639	4.052041	4.091068	4.018682	3.238915	3.384264	3.528681	3.926269	4.008408	4.096105	5.26366	5.324918	5.292308	4.414877	4.464605	4.122853
VDAC1	ENSG0000	-0.20148	8.881625	-5.26449	5.78E-05	0.000492	1.115692	9.493435	9.547554	9.461866	9.013018	8.912996	8.979394	9.173195	9.246156	9.158156	8.744527	8.68298	8.732487	8.288605	8.317724	8.299394	8.658536	8.594612	8.623735
TMX2	ENSG0000	0.296576	6.757678	8.288664	1.83E-07	5.77E-06	7.147636	6.266821	6.241136	6.262537	6.510332	6.387211	6.448879	6.668242	6.662719	6.591422	6.976883	6.95263	6.997076	7.082582	7.130493	7.106097	7.248837	7.151186	7.207186
HEXA	ENSG0000	-0.18013	6.473416	-3.27695	0.004318	0.014976	-2.98805	6.879386	7.032486	6.852259	7.249167	7.188033	7.227766	6.591391	6.722383	6.668483	5.834606	5.9054	5.901803	6.429681	6.450959	6.527404	5.745959	5.784554	5.85153
NDUFS3	ENSG0000	-0.08515	5.73409	-2.18689	0.042613	0.091503	-5.10221	5.954295	5.954048	5.941555	5.872506	5.833285	5.862876	5.821145	5.957035	5.903632	5.658737	5.631248	5.729316	5.592876	5.704857	5.603999	5.616106	5.537098	5.542033
LEPROT	ENSG0000	0.217077	6.664682	2.233464	0.038854	0.084929	-5.10824	6.785554	6.89524	6.697862	7.329489	7.266567	7.385665	7.104404	7.23317	7.11765	5.90895	5.9054	5.973166	6.841046	6.869541	6.928749	5.976476	6.008036	6.021259
LBH	ENSG0000	0.05977	4.99997	0.431273	0.671542	0.76354	-7.01753	5.282121	5.063109	5.086643	5.740289	5.984333	5.930809	4.926746	4.690335	4.872576	4.065562	4.162112	4.194187	5.761881	5.760913	5.773225	4.581158	4.588743	4.444998
ADAT3	ENSG0000	0.358071	0.075563	1.177105	0.254935	0.369647	-5.39423	1.069823	1.002471	1.146821	0.742604	1.164793	0.657796	1.317361	0.824004	1.0941	0.54782	0.986408	1.305813	1.186687	1.428204	1.423614	1.419885	1.2488	0.999041
PPP1CB	ENSG0000	-0.09807	7.74727	-1.84387	0.082224	0.153669	-5.92037	7.711454	7.636579	7.708583	7.741842	7.609904	7.687966	7.701295	7.82355	7.770546	7.995962	7.942814	7.933924	7.690499	7.78603	7.725902	7.629312	7.717574	7.762147
GPSM3	ENSG0000	0.1367	3.075745	1.19485	0.248108	0.362017	-6.20368	2.392887	1.883052	2.274882	2.518519	2.429905	2.374422	2.724622	2.623806	2.723053	4.151473	4.296585	4.45065	3.691919	3.846002	3.637126	4.208537	4.428393	4.317368
NCKIPSD	ENSG0000	-0.06898	4.993974	-0.67129	0.510812	0.625903	-6.9981	4.679091	4.677795	4.76778	4.938614	4.987618	4.913508	4.420085	4.467202	4.33084	5.471	5.467858	5.493859	5.244764	5.1936	5.128745	5.539185	5.547687	5.483771
ATF6B	ENSG0000	0.930572	6.135595	10.15549	9.41E-09	6.26E-07	10.2623	5.163648	5.048491	5.176661	6.252583	6.28095	6.182445	6.297757	6.168913	6.218085	5.726788	5.747555	5.61497	7.212737	7.135803	7.178627	6.453863	6.489849	6.509426
SEC14L1P1	ENSG0000	0.097165	0.008889	0.411551	0.685671	0.775043	-5.95512	1.384302	1.631689	1.406977	0.742604	0.828511	0.830331	1.762502	1.760835	1.564539	1.028404	1.112482	0.76743	0.701742	0.671977	0.593579	1.017342	0.572487	1.115245
S1PR3	ENSG0000	0.406633	2.790479	0.975498	0.342623	0.463523	-6.13799	2.526909	2.403106	2.5366	4.132759	4.081169	4.330328	2.696258	2.753138	2.77354	3.058725	3.034402	2.966075	2.178139	2.269709	2.276326	3.574643	3.093137	3.530388
SLC35F6	ENSG0000	-0.16809	6.019531	-3.54578	0.002398	0.009371	-2.33764	6.637833	6.491317	6.59191	6.981377	6.886495	7.017339	6.475171	6.429119	6.373466	5.400378	5.340512	5.507659	5.682663	5.661337	5.638396	5.284643	5.225092	5.1812
CLIC1	ENSG0000	0.056862	8.163551	0.814825	0.426136	0.547884	-7.24312	8.294531	8.253005	8.207689	7.971108	8.124243	8.073298	8.024406	8.117026	8.018985	8.087352	7.994905	8.060771	8.272603	8.27475	8.263306	8.317086	8.345235	8.33745
DDAH2	ENSG0000	-0.03364	4.712136	-0.28005	0.782723	0.848001	-7.06109	4.762983	4.677795	4.835673	4.915985	5.279302	5.028711	4.4712	4.332946	4.396744	4.323269	4.274276	4.50975	5.459928	5.514168	5.345877	4.533992	4.676269	4.520707
RPS29	ENSG0000	0.007351	7.308015	0.150102	0.882403	0.921747	-7.51007	7.479708	7.408758	7.401711	7.242362	7.239007	7.120683	7.364205	7.456621	7.346457	7.32479	7.352512	7.161291	7.205427	7.293184	7.327525	7.317937	7.278698	7.392771
ZNF337-AS	ENSG0000	-0.15871	2.298999	-1.25105	0.227403	0.337984	-5.68966	2.649532	2.802095	2.794903	3.162124	2.737798	3.26222	2.637802	2.220554	2.501332	2.338465	2.23117	2.183199	2.661114	2.627242	2.906973	2.247458	2.33471	2.174206
CENPBD1P	ENSG0000	0.158264	4.799012	2.280952	0.035338	0.078866	-4.77076	4.674285	4.614695	4.758481	4.892995	5.128856	4.809079	4.629578	4.657666	4.570996	4.674725	4.745694	4.813663	5.123815	5.087991	5.058283	5.129758	5.048468	4.918728
ZNF134	ENSG0000	0.050683	5.503963	0.977214	0.341796	0.462746	-6.85523	4.957532	4.830853	4.795321	4.869634	4.701332	4.735009	4.857993	4.843429	4.789145	6.198522	6.206905	6.091924	6.405214	6.284049	6.40235	6.295367	6.220153	6.245022
ZNF845	ENSG0000	-0.06635	3.965171	-1.17409	0.256111	0.371011	-6.38982	3.476616	3.547555	3.597291	3.181227	3.073582	3.231764	3.440463	3.672864	3.289427	4.867929	4.799799	4.850228	4.720818	4.600559	4.546874	4.820694	4.721863	4.797858
NA	ENSG0000	0.087572	1.28893	0.299464	0.768118	0.837311	-6.14982	1.927307	2.179863	1.818408	3.142765	2.71237	2.805104	1.648695	1.809233	2.239236	1.555182	1.498542	1.126631	1.186687	1.16289	1.667532	1.387593	1.67689	1.58715
EMP2	ENSG0000	0.323905	5.714971	6.672852	3.40E-06	5.54E-05	4.215706	4.219602	4.495815	4.275483	4.540361	4.478119	4.420855	4.358069	4.533523	4.296723	6.866102	6.915633	6.865126	7.163787	7.171141	7.178627	7.267812	7.274879	7.293742
KCTD11	ENSG0000	0.340757	4.12681	2.463591	0.024393	0.058876	-4.41152	3.58303	3.547555	3.648527	2.999448	3.112982	3.069023	3.158032	2.650616	3.084728	4.832603	4.842882	4.913796	5.481072	5.443133	5.505435	5.444259	5.480747	5.417409
NA	ENSG0000	-0.7633	1.081213	-2.4197	0.026687	0.063211	-3.74384	2.245129	2.068355	1.987129	0.635873	1.087782	0.830331	1.240874	1.491012	1.674905	2.100009	2.249583	1.780195	1.935792	2.398985	2.399663	1.599785	1.406038	1.58715
LINC01521	ENSG0000	0.119758	0.013163	0.641432	0.529565	0.642743	-5.89574	0.814199	0.875715	0.829201	0.635873	0.625525	0.909432	0.983587	1.001115	0.515351	1.158593	1.228418	1.413989	1.27873	1.16289	1.51998	1.512637	1.289746	1.370407
PPM1N	ENSG0000	-0.31876	2.023532	-1.7393	0.099562	0.17817	-5.0138	2.965042	2.636038	2.776595	2.063099	2.460774	1.956998	2.102195	2.290412	2.239236	2.224158	2.320972	2.16783	2.579013	2.416542	2.633039	2.368215	2.212266	2.003758
LTB4R	ENSG0000	-0.565	2.454492	-5.14703	7.40E-05	0.000599	1.707086	2.668993	2.576149	2.776595	2.955742	2.991399	3.069023	2.186178	2.481727	2.202855	3.002038	3.002186	2.615819	3.074617	3.193633	2.98783	2.192442	2.447571	2.374055
LIPE-AS1	ENSG0000	-0.3312	1.215985	-2.01685	0.059341	0.118741	-4.41041	1.791852	2.125186	1.744977	1.933905	1.612488	1.669505	1.762502	2.069791	1.38134	2.224158	1.725977	1.839597	1.597456	1.528499	1.695314	1.65509	1.513652	1.703111
LTB4R2	ENSG0000	-0.92388	0.573679	-3.91635	0.001062	0.004908	-0.6681	1.791852	1.327092	1.706811	1.634586	1.612488	1.669505	0.983587	1.001115	1.38134	1.676063	1.588084	1.094478	1.186687	1.393161	1.876113	0.789161	0.975239	0.872651
DNASE1	ENSG0000	-0.04962	3.540487	-0.64116	0.529739	0.642845	-6.8263	2.483604	2.470453	2.579475	2.840308	2.460774	2.629332	2.858632	2.702788	2.165532	4.81954	4.827642	4.635187	5.090337	5.12584	4.947129	4.62683	4.780497	4.651565
CSNK1E	ENSG0000	-0.32862	6.423475	-3.84816	0.001233	0.005545	-1.80598	6.617945	6.563778	6.580083	5.654037	5.885412	5.906913	6.008705	5.899518	6.071932	6.864513	6.807156	6.881118	6.754194	6.643116	6.634428	6.768721	6.75403	6.649721
IRF9	ENSG0000	-0.53981	-0.38306	-2.11453	0.04912	0.102223	-4.17135	0.503316	0.410755	0.323815	0.52061	0.389229	0.3528	0.106501	0.509405	0.256032	2.121457	2.074736	1.73919	1.776519	1.560439	1.722572	1.320757	1.613793	2.14716
GALT	ENSG0000	0.100599	3.097615	0.981358	0.339806	0.460763	-6.2973	3.085796	2.836538	2.794903	2.864145	2.811499	3.086148	3.277716	2.777669	3.162566	3.622156	3.373534	3.38694	3.741287	3.852467	3.578659	3.374993	3.636099	3.540816
HBE1	ENSG0000	-0.15551	0.953866	-0.73465	0.472297	0.591997	-6.56354	0.41387	0.316291	0.898566	0.106501	0.106501	0.3528	1.074544	0.622068	0.833554	3.864012	3.647924	3.733386	3.974777	4.034047	3.985412	3.470581	3.546022	3.591857
CLDN9	ENSG0000	0.338577	0.990143	3.039181	0.007234	0.022415	-3.22063	0.216396	0.106501	0.106501	0.106501	0.389229	0.106501	0.106501	0.106501	0.256032	5.046721	4.910981	5.064562	6.729941	6.575365	6.599015	5.342644	5.394214	5.252725
ITGA1	ENSG0000	0.759033	4.412037	1.686905	0.109387	0.191824	-5.52021	4.088441	4.190995	4.470324	7.029605	7.048942	7.054792	5.173034	5.150979	5.188519	3.42926	3.569479	3.48321	3.374919	3.401888	3.244428	3.70484	3.659719	3.805852
AC019080.	ENSG0000	1.12162	0.270954	3.680693	0.001783	0.007379	-1.12436	0.667115	0.410755	0.964748	1.457877	1.768674	1.956998	1.816207	1.549165	1.50602	0.834246	1.029669	0.846782	1.446877	1.077171	1.456457	1.214313	1.118494	0.872651
NUDT19	ENSG0000	-0.24812	0.993581	-0.80189	0.433386	0.554731	-5.67623	6.309296	6.328431	6.348712	5.809447	5.791399	5.904501	6.02305	6.068104	6.046494	0.106501	0.106501	0.16959	0.234608	0.106501	0.186984	0.183756	0.106501	0.214669
ZNF726	ENSG0000	0.074487	-1.22808	0.340926	0.737223	0.814732	-6.22858	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.256032	2.163418	2.437987	2.382761	1.446877	1.357245	1.284217	2.173627	2.101639	2.119598
AC010615.	ENSG0000	0.124483	0.249018	0.692867	0.497497	0.614611	-6.06791	0.814199	0.736739	0.512639	0.742604	0.389229	0.3528	1.074544	0.824004	0.629397	2.100009	2.155072	2.213454	1.186687	1.738515	1.17005	2.095813	2.146913	2.350536
TAX1BP3	ENSG0000	0.143744	0.243662	0.62531	0.539847	0.651669	-5.84229	1.561356	1.061904	1.453818	1.634586	1.437317	1.188496	1.160105	1.001115	1.314712	0.88529	0.748206	0.846782	1.248697	0.986036	1.247156	1.354562	0.924142	0.999041

AP1G2	ENSG0000	-0.10748	5.911353	-2.03212	0.057626	0.116009	-5.43429	4.749336	4.769782	5.006431	5.338099	5.419464	5.384134	4.536652	4.373746	4.713579	6.71734	6.790747	6.672343	7.493285	7.437762	7.482552	6.685668	6.703787	6.702926
ZNF90	ENSG0000	-0.25196	-0.90119	-1.739	0.099616	0.178229	-5.05633	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.331423	3.166245	3.001185	2.027088	2.084417	2.312654	2.866919	2.908298	2.760563
NAXD	ENSG0000	0.015572	5.415035	0.316616	0.755286	0.828586	-7.1936	5.560015	5.630049	5.547119	5.918767	5.960231	5.914123	5.701383	5.733887	5.646906	5.068969	5.092794	5.199163	5.361625	5.292003	5.367623	5.146741	4.99066	4.977487
PGAM1P7	ENSG0000	0.120402	-1.48562	0.57909	0.569917	0.678763	-5.95072	0.106501	0.106501	0.219246	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	1.616888	1.498542	1.439812	1.548989	1.560439	1.51998	1.542275	1.707432	1.626848
GANC	ENSG0000	-0.0623	4.369769	-0.70345	0.491043	0.608538	-6.85916	4.42241	4.366251	4.201929	3.851999	3.796595	3.91707	4.045989	4.138304	4.198517	4.637991	4.796672	4.708717	4.836392	4.944083	4.897167	4.768358	4.687803	4.749225
TTLL3	ENSG0000	-0.58934	1.127894	-2.61912	0.017674	0.045627	-3.24428	2.416107	2.37994	2.248556	2.143217	2.490996	2.845893	1.762502	1.85606	1.674905	1.073118	1.529011	0.921995	1.776519	1.710321	1.667532	0.837776	1.118494	0.999041
REPIN1	ENSG0000	0.03056	6.891174	0.53147	0.601783	0.70462	-7.32049	6.866801	6.84854	7.054799	7.117763	7.320156	7.197551	7.063352	6.955272	7.000662	6.532567	6.653153	6.718564	7.064917	7.027851	6.999402	6.71443	6.670262	6.463573
MRPL23	ENSG0000	-0.24691	5.009846	-3.66029	0.001864	0.007661	-1.96003	5.638616	5.706529	5.783216	5.1079	5.279302	5.261353	5.36994	5.392484	5.388034	4.685565	4.726103	4.904554	4.676384	4.66441	4.577054	4.694387	4.605057	4.572451
ZNF891	ENSG0000	-0.11873	3.645285	-1.61822	0.123519	0.210643	-5.74811	2.884092	3.042358	3.013906	2.714828	2.762786	3.200652	2.858632	3.214961	3.084728	4.71408	4.827642	4.560653	4.549709	4.525683	4.496442	4.581158	4.437531	4.551975
SMIM7	ENSG0000	0.299105	4.778583	3.793557	0.001391	0.00609	-1.57301	5.376881	5.123634	5.126945	5.647184	5.607073	5.651925	5.661594	5.679597	5.591697	3.956418	4.01918	4.054926	4.509114	4.331113	4.460466	4.23146	4.035699	4.029672
FBXO16	ENSG0000	0.724684	1.673606	2.416335	0.026871	0.063523	-3.73731	1.286899	1.327092	1.028027	3.162124	3.225109	3.349911	1.917967	2.069791	1.50602	1.704765	1.967585	1.820066	2.329284	2.50126	2.481722	2.368215	2.124453	2.091498
TSPAN4	ENSG0000	0.270241	5.749811	3.25559	0.004524	0.015527	-2.75687	7.723137	7.72484	7.79127	7.576736	7.775592	7.598299	8.080348	7.998106	8.097877	3.520882	3.817963	3.794706	3.913883	3.819851	3.831176	3.859998	3.903444	3.744016
CPSF1P1	ENSG0000	0.725168	0.466632	3.193388	0.00518	0.017348	-2.07469	1.791852	2.039077	1.78216	2.688367	2.155834	2.532704	2.513265	2.357042	2.408535	0.7264	0.398185	0.594297	0.701742	0.550009	0.533283	0.63264	0.816175	0.999041
CPNE1	ENSG0000	-0.08373	6.117047	-0.90199	0.379323	0.501457	-6.99356	5.928287	6.002253	6.015627	5.605366	5.617385	5.513197	5.639419	5.45466	5.598715	6.443838	6.397509	6.437802	6.748839	6.650554	6.760599	6.569927	6.541621	6.584432
ARL16	ENSG0000	0.091746	5.267805	1.317298	0.204748	0.310732	-6.40501	5.313374	5.240779	5.297149	4.921675	5.024245	4.942007	5.486326	5.348128	5.541593	5.223242	5.51238	5.424422	5.389419	5.238714	5.337086	5.404468	5.360979	5.507891
PAXIP1-AS	ENSG0000	1.249994	0.884332	6.216925	8.28E-06	0.000112	3.71637	1.336422	1.327092	1.358564	2.325974	2.229385	2.581827	2.513265	2.420731	2.560038	0.609835	0.799097	0.958181	1.548989	1.560439	1.390007	0.974502	1.16325	1.273688
LDHAP4	ENSG0000	0.435702	-0.21575	1.551292	0.13875	0.230225	-4.79224	1.755904	1.670392	2.109199	2.021307	2.117603	1.669505	2.26554	2.220554	2.34318	0.34397	0.462741	0.499259	0.46104	0.26996	0.186984	0.457048	0.504542	0.315289
LYRM4	ENSG0000	-0.13651	4.383924	-2.48618	0.023286	0.05682	-4.28072	4.688657	4.696667	4.715879	4.674482	4.641964	4.537503	4.512454	4.459641	4.592248	4.476768	4.283241	4.441093	4.203356	4.179969	4.155068	4.315393	4.298997	4.305185
MYCBP	ENSG0000	-0.02378	4.363332	-0.30491	0.764036	0.834778	-7.0838	4.088441	4.115866	4.07284	3.727576	3.808643	3.608819	3.988671	4.109604	4.08316	4.86157	4.806033	4.959141	4.973543	5.034983	5.063622	4.9115	4.874338	4.802199
AC132008.	ENSG0000	0.257432	2.427057	2.035583	0.057243	0.115353	-4.62104	2.725848	2.470453	2.274882	2.714828	2.737798	3.016392	3.004565	2.825515	2.82232	2.409929	2.766797	2.409144	2.55467	2.962168	2.782986	2.509956	2.618024	2.706008
ALG3	ENSG0000	0.155482	6.214076	2.435749	0.025826	0.061571	-4.70735	6.063102	6.086949	5.93744	6.578559	6.44045	6.513603	6.447785	6.168913	6.238447	6.173072	6.145548	6.06625	6.314799	6.155327	6.308779	6.222865	6.170318	6.183125
AMZ2P1	ENSG0000	-0.29103	3.142114	-2.5271	0.0214	0.053046	-3.81031	4.296689	4.287521	4.167214	4.299384	3.89028	4.130213	3.676552	4.009594	4.08316	2.527059	2.766797	2.473063	2.727949	2.671787	2.647333	2.300453	2.634012	2.326628
PLEKHM1P	ENSG0000	0.001338	3.211013	0.012072	0.990505	0.993644	-6.92333	2.688195	2.356396	2.446827	2.633943	2.117603	2.5075	2.696258	2.324112	2.616448	4.071084	4.209911	4.029643	4.836392	4.612034	4.725907	4.052512	4.083055	4.157149
PTMAP5	ENSG0000	0.359429	0.320555	1.642775	0.118298	0.203713	-4.84115	0.947665	1.118985	1.30847	1.326771	0.92021	1.310092	1.588238	1.367163	1.445026	1.423238	1.029669	1.188864	0.787801	1.2438	0.862212	1.099384	1.547811	1.222783
ZNF788P	ENSG0000	0.218285	-1.14494	1.315903	0.205206	0.311303	-5.53638	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.461296	2.753956	2.435052	1.498836	1.993753	1.749324	2.692858	2.618024	2.742606
SH3D21	ENSG0000	0.180727	0.945883	0.960351	0.349977	0.471138	-5.95857	0.882475	0.940485	0.598525	1.256461	0.92021	1.123626	0.415731	0.915275	0.735084	2.527059	2.590228	2.510098	2.42639	2.433888	2.220059	2.679583	2.711397	3.021085
SMIM30	ENSG0000	-0.24193	5.402772	-1.89065	0.075368	0.143397	-5.5549	5.98179	5.930325	5.949748	5.232173	5.326156	5.313181	5.781194	5.656635	5.653661	5.250266	5.196089	5.204822	5.459928	5.438844	5.487671	5.039116	5.021374	4.969789
C17orf67	ENSG0000	0.484281	1.274303	2.027669	0.058121	0.116841	-4.46095	1.010037	0.661886	0.679585	1.978268	2.03796	1.956998	1.389995	0.915275	1.38134	2.282443	2.074736	2.369387	2.452975	2.671787	2.399663	2.417026	2.552239	2.464474
FIS1	ENSG0000	-0.08421	6.312276	-1.02674	0.318544	0.438317	-6.88377	6.335412	6.325403	6.229267	6.036208	6.008039	6.064269	6.14086	6.166593	6.254089	6.396241	6.374623	6.429771	6.764843	6.668067	6.728186	6.329765	6.352866	6.355481
ANG	ENSG0000	0.779745	0.557772	2.572994	0.019457	0.049197	-3.24293	1.336422	1.81559	1.256574	2.91067	3.170134	3.069023	1.917967	2.389238	2.202855	0.7264	0.640699	0.594297	0.701742	0.784432	1.002253	0.837776	0.816175	0.580851
SCART1	ENSG0000	0.312798	0.823752	1.268465	0.221267	0.331006	-5.31342	1.681202	1.420874	1.54317	2.425456	2.299368	2.22781	1.917967	1.367163	2.202855	1.028404	1.152172	0.594297	1.755315	1.495836	1.876113	0.974502	1.072305	0.872651
APTR	ENSG0000	0.155324	2.822461	1.724836	0.102195	0.181809	-5.30462	2.109269	2.068355	2.248556	2.955742	2.660129	2.784269	2.513265	2.481727	2.697131	3.349712	3.447177	3.538032	3.789021	3.819851	3.78667	3.366734	3.485627	3.571657
MBLAC1	ENSG0000	0.306569	0.216333	1.537889	0.141982	0.234193	-4.96714	0.947665	1.327092	1.202741	1.022291	1.2379	0.984419	1.160105	1.430416	0.925731	0.934589	0.986408	1.126631	1.154653	1.320413	0.957066	1.214313	1.547811	1.115245
AC009053.	ENSG0000	-0.0955	1.012557	-0.43793	0.666802	0.76051	-6.10704	1.286899	2.09705	1.921989	1.688986	1.498102	1.840725	1.648695	1.85606	1.918715	1.490718	1.672391	1.585733	1.27873	1.2438	1.923865	1.542275	1.206659	1.504318
NEURL1B	ENSG0000	1.356821	0.965976	7.18099	1.31E-06	2.66E-05	5.470355	0.667115	0.661886	1.028027	2.021307	1.612488	1.714252	1.70672	1.809233	1.50602	1.315703	1.467416	1.413989	2.096181	1.710321	2.07955	2.26534	2.169028	2.119598
HAUS3	ENSG0000	-0.21098	4.01575	-3.08186	0.006597	0.02097	-3.04911	4.309146	4.243278	4.16017	3.77864	3.734793	3.936085	4.011872	4.230044	4.132351	4.505601	4.536672	4.425022	3.703037	3.86531	3.665494	4.161567	4.211138	4.311289
LINC00488	ENSG0000	1.000976	-1.53919	3.376606	0.003474	0.012589	-1.68753	1.602421	2.152784	1.954926	2.359902	1.666451	1.623325	2.933443	2.623806	2.616448	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
RPS3AP26	ENSG0000	-0.02609	1.582253	-0.14192	0.888769	0.925589	-6.26424	2.725848	2.425906	2.558197	2.661411	2.264801	2.719893	2.667326	2.650616	2.798137	2.01088	1.752042	1.305813	1.420179	1.2438	1.456457	1.286141	1.645686	1.416439
KANSL1-AS	ENSG0000	0.151518	0.714549	0.799833	0.434545	0.555685	-5.99271	0.587539	0.875715	0.421314	0.635873	1.087782	1.123626	0.782422	1.082132	0.515351	2.338465	1.922393	1.951531	2.949505	3.009215	2.821313	2.075685	2.212266	2.003758
BBIP1	ENSG0000	0.066201	4.222892	0.874958	0.393462	0.515128	-6.50614	5.096964	5.041126	5.241504	5.412733	5.292232	5.441817	5.104539	5.319175	5.216162	3.463254	3.232543	3.325935	3.353912	3.622174	3.517722	3.383205	3.2466	3.421736
LRRC37A4	ENSG0000	-0.38788	-1.20757	-1.13489	0.271746	0.388407	-5.23201	2.245129	2.09705	1.921989	2.21912	2.333126	2.455733	1.762502	1.945386	1.826075	0.106501	0.259702	0.106501	0.294634	0.190544	0.186984	0.106501	0.106501	0.106501
PPME1	ENSG0000	-0.20036	7.010127	-3.02636	0.007437	0.022919	-3.63682	6.708891	6.76941	6.806748	6.303597	6.196355	6.144119	6.447785	6.214549	6.282695	7.711709	7.669549	7.637072	7.50564	7.520771	7.549249	7.630175	7.683892	7.62675
STARD10	ENSG0000	0.364706	4.012299	4.671597	0.000204	0.001322	0.274693	2.345296	2.470453	2.248556	3.325575	3.295295	3.405543	2.667326	2.511284	2.34318	5.183009	5.108011	5.363329	5.936886	5.887493	5.9276	5.70396	5.581058	5.507891
NUTM2D	ENSG0000	-0.08094	0.197937	-0.34439	0.73466	0.812907	-5.94278	1.235614	1.277811	1.406977	1.326771	1.718467	1.367251	1.459147	1.491012	1.244857	0.88529	0.640699	0.993481	1.365252	1.357245	1.046067	0.63264	0.816175	0.659518
EML6	ENSG0000	0.663572	0.174746	2.352496	0.030595	0.07024	-3.67541	0.587539	0.736739	0.598525	1.326771	1.718467	1.475193	0.670238	0.915275	0.735084	1.158593	1.265082	0.884879	1.218025	1.320413	1.610309	1.45147	1.442809	1.775544
ZNF727	ENSG0000	0.15102	-0.75543	1.777859	0.092829	0.16844	-5.03553	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.047564	2.969234	2.966075	2.791825	2.686334	2.846311	3.001034	3.149837	3.121769
B3GNT10	ENSG0000	-0.17635	2.666092	-1.5527	0.138413	0.229822	-5.49925	2.949211	2.982098	3.075109	2.393052	2.299368	2.605775	2.667326	2.981485	2.748518	3.17611	3.013005	3.157196	2.760241	3.131201	3.010124	2.935534	2.813204	3.279535
ZSWIM8	ENSG0000	-0.24684	5.615818	-4.30634	0.000452	0.002486	-0.62675	5.87482	5.711177	5.861303	6.333788	6.379154	6.415394	5.743574	5.724453	5.646906	5.267203	5.389075	5.306568	5.771154	5.652103	5.728547	4.936827	5.063304	4.849107
ARHGEF33	ENSG0000	0.286545	0.263984	1.099417	0.286499	0.404221	-5.51964	1.069823	0.8079	0.679585	1.256461	0.512209	1.188496	1.074544	1.231675	1.50602	1.239286	1.369793	1.219002	1.392977	1.710321	1.423614	1.099384	1.289746	1.322858
IFRD2	ENSG0000	-0.09107	6.593231	-1.02515	0.319273	0.438938	-6.92853	6.617945	6.572745	6.650893	6.394386	6.510356	6.36717	6.560254	6.339273	6.4988	7.006724	6.944176	6.999791	6.296566	6.211726	6.192968	6.977033	6.927026	6.891962
HNRNPUL2	ENSG0000	-0.11432	5.038814	-2.05639	0.054991	0.111747	-5.25216	4.837972	4.980813	4.711067	4.647264	4.770725	4.918297	4.751751	4.747338	4.732845	5.44146	5.5776	5.492317	5.22369	5.29912	5.243746	5.442295	5.302159	5.40033
CSKMT	ENSG0000	-0.39881	0.843849	-2.06706	0.053869	0.110001	-4.26597	1.18244	1.708084	1.358564	1.840866	1.437317	1.188496	1.240874	1.605065	1.0941	1.646779	1.851833	1.759838	2.009285	1.528499	1.610309	1.419885	1.368306	1.370407
SEPTIN7P2	ENSG0000	-0.08993	2.336022	-0.58927	0.563219	0.673433	-6.344	2.609804	2.576149	2.739267	3.020814	2.737798	2.980206	2.376953	2.777669	2.892531	2.635389	2.889287	2.592986	2.225168	2.127698	2.257813	2.539649	2.447571	2.549558
TUBA5P	ENSG0000	-0.67875	-0.30071	-2.75968	0.013151	0.036202	-3.10232	0.41387	0.410755	0.323815	0.106501	0.25478	0.3528	0.106501	0.509405	0.256032	2.589954	2.500824	2.120715	2.343563	2.565626	2.294605	1.599785	1.878239	2.14716
DDX12P	ENSG0000	-0.76811	1.057959	-3.15177	0.00567	0.018638	-2.38561	1.602421	1.508929	1.499186	0.934951	1.006428	1.422231	1.317361	0.726566	1.314712	3.102524	3.096753	2.671369	1.420179	1.032323	1.247156	1.948641	2.447571	2.610232
LINC01588	ENSG0000	-0.0466	1.54537	-0.21868	0.829433	0.883591	-6.4525	2.27083	2.009193	2.274882	1.326771	1.437317	0.746642	1.389995	1.491012	1.727075	2.30136	2.469748	2.25768	2.25569	2.50126	2.23906	2.583072	2.568968	2.610232
HLA-F-AS1	ENSG0000	0.703132	-0.54504	2.511764	0.022089	0.054423	-3.47233	0.318509	0.215206	0.106501	0.52061	0.25478	0.2349	0.670238	0.509405	0.39151	1.586365	2.074736	1.538714	1.573426	1.357245	1.390007	1.759719	1.981819	2.174206
ZSWIM7	ENSG0000	-0.61502	3.907946	-5.08162	8.50E-05	0.000668	1.378056	5.313374	5.221361	5.214556	4.555081	4.360275	4.499659	4.393833	4.38177	4.520155	3.479955	3.414909	3.393562	3.360948	3.41941	3.225499	3.341669	3.022017	3.202807
ARHGEF28	ENSG0000	-0.08178	5.052249	-0.41255	0.684954	0.774516	-7.02716	6.290572	6.364284	6.40492	5.472108	5.529116	5.619944	6.192541	6.19874	6.206646	4.048869	3.964495	3.937488	4.540442	4.557684	4.539229	4.026533	3.974229	4.066226
LRRC69	ENSG0000	-0.10084	-0.48332	-0.4293	0.672953	0.764452	-6.02458	0.503316	0.410755	0.219246	0.395333	0.389229	0.657796	0.106501	0.387194	0.256032	1.457372	1.55885	1.538714	2.062048	1.993753	1.801384	1.599785	1.478665	1.703111
CRPPA	ENSG0000	-0.14695	1.416591	-0.79007	0.440073	0.561092	-6.0978	1.861169	1.508929	1.54317	1.393812	1.164793	1.055701	1.70672	1.549165	1.50602	2.47802	2.174476	2.183199	2.706013	2.657091	2.743612	2.075685	2.190809	2.119598
GSG1L2	ENSG0000	-0.56501	-0.96383	-2.88602	0.010052	0.029207	-2.62231	3.662849	3.628412	3.717332	3.041869	3.132285	3.03415	2.933443	3.160038	3.044176	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC129492.	ENSG0000	0.254003	0.788951	1.228145	0.235675	0.347379	-5.47865	0.667115	1.277811	1.358564	0.934951	1.437317	1.669505	0.983587	1.231675	1.01237	1.490718	1.644832	1.46518	2.225168	2.039797	2.365487	1.708352	1.795362	1.81044
RTL10	ENSG0000	-0.3688	6.030971	-4.67891	0.000201	0.001305	0.104366	6.242672	6.173699	6.269099	6.508442	6.603208	6.659462	5.578564	5.78015	5.735532	5.98989	5.983108	5.959843	6.163051	5.989265	6.086842	5.736375	5.751959	5.762999
COL28A1	ENSG0000	-0.12099	0.704021	-0.68677	0.501236	0.617837	-6.40718	0.587539	0.499412	0.756332	0.395333	0.389229	0.2349	0.269385	0.106501	0.256032	3.376719	3.439177	3.254982	4.068019	3.871689	4.035179	3.415594	3.317614	3.455199
PHB2	ENSG0000	0.2408	7.785857	4.395753	0.000372	0.002126	-0.70509	7.7712	7.788901	7.81445	7.721596	7.813455	7.715053	7.891555	7.942913	7.911072	7.471365	7.546031	7.594958	7.879669	7.90664	7.84773	7.90999	7.900118	7.84074
RPL13P12	ENSG0000	0.062126	2.02473	0.296496	0.770346	0.838782	-6.32885	2.933205	2.61635	2.681399	3.123142	3.112982	2.784269	3.238915	2.568641	3.271973	2.338465	2.174476	1.538714	1.711947	1.921808	1.695314	1.759719	1.878239	1.58715
CD27-AS1	ENSG0000	0.225958	1.336861	1.425943	0.171501	0.27129	-5.11728	3.919992	3.863696	3.931056	4.236852	4.061165	4.154771	4.164604	4.090149	4.063004	0.609835	0.398185	0.397516	0.745413	0.612281	0.593579	0.457048	0.572487	0.580851
NEURL4	ENSG0000	0.115941	4.725988	1.813331	0.08699	0.160181	-5.53611	4.876148	4.877086	4.848876	5.062262	5.33034	5.085168	5.055139	4.905964	5.117003	4.557665	4.479316	4.482057	4.670733	4.565575	4.452348	4.526597	4.617172	4.572451
ALOX12-AS	ENSG0000	-0.51382	-0.03856	-1.77636	0.093083	0.168825	-4.54284	0.947665	1.002471	1.146821	1.182548	1.612488	1.367251	0.983587	0.915275	1.0941	1.158593	1.112482	0.76743	1.121891	1.032323	1.423614	0.738851	0.871168	0.315289
AC025171.	ENSG0000	0.645091	0.032094	2.05878	0.054738	0.111313	-4.10735	0.587539	0.736739	1.028027	1.578054	1.2379	1.575618	1.816207	1.001115	1.171446	0.483018	0.89579	0.726056	1.392977	1.528499	1.639204	0.576451	0.816175	0.999041
TTC3P1	ENSG0000	0.110413	1.032067	0.585939	0.565407	0.675086	-5.98502	1.602421	1.81559	1.62731	2.181668	2.549605	2.317553	1.816207	1.945386	1.50602	1.388276	1.403073	1.126631	1.420179	1.591687	1.284217	1.177011	1.478665	1.416439
UBXN2B	ENSG0000	0.181513	5.491484	2.962672	0.00853	0.025642	-3.55446	5.37392	5.253581	5.402389	5.619441	5.518152	5.510028	5.729647	5.755661	5.716303	5.41565	5.531317	5.432483	5.610696	5.556356	5.609485	5.488702	5.453977	5.461988
CBWD6	ENSG0000	0.159587	1.572547	0.872554	0.394736	0.516321	-5.9548	1.894617	2.308123	1.78216	2.063099	1.612488	2.029614	2.376953	2.481727	2.440135	1.940223	1.989662	1.800268	2.044674	1.970168	2.07955	1.734264	1.645686	2.003758
BX322639.	ENSG0000	0.628939	-0.60899	6.13752	9.69E-06	0.000125	3.651369	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.186323	3.295928	3.117748	2.591031	2.743101	2.730245	3.824254	3.800954	3.669942
AC141586.	ENSG0000	-0.25473	2.064712	-1.97566	0.0642	0.126228	-4.6776	2.688195	2.55562	2.776595	1.840866	2.264801	1.993763	2.607661	2.420731	2.440135	2.510897	2.437987	2.604447	2.112949	2.269709	2.574402	2.26534	2.429363	2.200755
AC138409.	ENSG0000	-0.00233	0.374273	-0.01179	0.990726	0.993656	-6.07196	1.235614	1.061904	0.898566	1.326771	1.307481	1.714252	1.160105	1.430416	1.171446	1.239286	1.467416	0.958181	1.473091	1.320413	1.320349	1.017342	1.024588	1.058313
MUC5AC	ENSG0000	0.309354	1.808441	0.967853	0.346321	0.467417	-6.03528	2.27083	2.039077	1.954926	1.791994	1.996426	2.481849	2.806512	2.753138	2.981126	2.990428	3.044983	2.883807	0.828978	0.784432	0.910419	2.652661	2.799093	2.830235
LINC00680	ENSG0000	-0.12766	2.417405	-1.30252	0.209641	0.316674	-5.74574	2.649532	2.55562	2.758051	2.425456	2.520598	2.455733	2.412257	2.389238	2.643847	2.83033	2.701418	2.930089	2.892375	2.657091	3.053703	2.807136	2.649824	2.81313
PEX26	ENSG0000	-0.18171	5.264054	-3.16813	0.005472	0.018109	-3.10648	5.082524	5.015049	5.052811	5.009799	5.044764	5.046319	4.651903	4.540708	4.84333	5.632834	5.694779	5.627664	5.891445	5.710205	5.875427	5.568288	5.589281	5.593031
FASTKD5	ENSG0000	0.151537	6.036773	3.001486	0.007847	0.023962	-3.55817	6.281119	6.347962	6.278888	6.064776	5.919145	5.942611	6.454151	6.524609	6.302172	5.793443	5.919844	5.849781	5.784299	5.750567	5.773225	6.015301	6.032367	6.039759
GOLGA8B	ENSG0000	-0.4672	4.554531	-3.3271	0.003871	0.013731	-2.57599	4.816318	4.765319	5.014266	4.851861	4.607895	4.979151	4.245129	4.459641	4.563842	4.529864	4.872886	4.275306	4.873768	4.827513	5.034009	3.724364	4.173346	4.520707
DHRS4-AS1	ENSG0000	0.145344	3.091331	1.124754	0.275903	0.393205	-6.08394	3.142584	3.235413	3.119366	3.255206	3.808643	3.377995	2.981245	2.825515	2.77354	2.943032	3.096753	3.043904	3.475595	3.622174	3.658454	3.254827	3.546022	3.519884
AKR1C7P	ENSG0000	0.217681	-0.65022	0.582842	0.567444	0.676893	-5.6762	1.990546	2.356396	2.138168	1.634586	1.953662	1.422231	2.102195	2.255906	2.34318	0.106501	0.259702	0.449284	0.171976	0.26996	0.263213	0.257084	0.2791	0.315289
HOMEZ	ENSG0000	-0.01325	4.027117	-0.21179	0.834721	0.887035	-7.0159	3.313074	3.35903	3.431666	3.77864	3.867423	3.888069	3.370387	3.023117	3.044176	4.557665	4.588222	4.569452	5.19838	5.25832	5.13383	4.530299	4.695442	4.694231
DDX3X	ENSG0000	-0.17802	9.081086	-5.27848	5.61E-05	0.00048	1.136342	9.644847	9.585704	9.565974	9.243762	9.215807	9.258959	9.466651	9.516846	9.460285	8.93939	8.923977	8.867044	8.569762	8.617959	8.617218	8.67368	8.636879	8.706251
AC127502.	ENSG0000	-0.05953	-0.7024	-0.13623	0.893199	0.928601	-5.83934	1.475543	1.670392	1.78216	1.888135	1.437317	1.669505	1.648695	1.809233	1.564539	0.609835	0.583785	0.34382	0.106501	0.190544	0.186984	0.457048	0.358227	0.315289
VPS16	ENSG0000	-0.06204	5.229695	-1.24598	0.229214	0.339966	-6.48018	4.846543	4.778666	4.904734	5.142425	5.079986	5.085168	4.80585	4.981823	4.860948	5.573767	5.481554	5.623445	5.855776	5.823124	5.697974	5.516966	5.384796	5.417409
MYL5	ENSG0000	-0.49282	3.92418	-4.02705	0.000833	0.004041	-0.89419	4.730936	4.457599	4.725456	4.584077	4.58706	4.512384	3.719464	3.84524	4.00079	3.599408	3.547323	3.567612	4.076593	4.034047	4.179864	3.530961	3.267249	3.477085
MIR99AHG	ENSG0000	0.2185	-0.32205	0.375888	0.711523	0.7953	-5.77724	1.755904	1.631689	1.853768	2.143217	2.299368	2.196611	1.459147	1.901414	1.777424	0.106501	0.185134	0.288049	1.154653	1.077171	1.423614	0.326864	0.19538	0.214669
MIR17HG	ENSG0000	0.037555	0.241427	0.138299	0.891585	0.927735	-6.12357	1.384302	1.118985	0.964748	0.841981	0.625525	0.461789	1.160105	1.367163	1.38134	1.457372	1.300837	1.126631	1.420179	1.320413	1.639204	1.099384	1.2488	1.322858
ZNF407	ENSG0000	-0.03284	4.074043	-0.44409	0.662426	0.756974	-6.87187	4.321496	4.429669	4.301326	4.375995	4.020303	4.308605	4.302704	4.256466	4.22597	3.851231	4.14254	3.946523	4.114557	4.154036	4.14503	3.967679	4.035699	3.992166
MCM3AP-	ENSG0000	0.142366	1.424546	0.780089	0.445775	0.566536	-6.17007	1.286899	1.173893	1.088647	1.393812	1.373859	1.475193	0.415731	1.301009	1.38134	2.693825	2.546219	2.581432	2.968056	3.054776	2.782986	2.901634	2.921385	2.706008
NPEPL1	ENSG0000	0.175189	1.891968	0.798007	0.435576	0.556803	-5.99348	3.011517	3.012542	3.419917	2.933382	2.926537	2.719893	2.832807	3.002451	3.143496	1.073118	1.300837	1.333627	1.858352	1.793303	1.970087	1.65509	1.90484	1.626848
NA	ENSG0000	0.030461	2.700644	0.211675	0.834809	0.887063	-6.72342	2.744313	2.693541	2.600444	2.325974	2.078331	1.840725	2.667326	2.290412	2.376228	3.236329	3.30476	3.312021	3.825085	3.599295	3.608189	3.324713	3.476789	3.487904
HNRNPA1P	ENSG0000	-0.22132	0.483273	-1.03163	0.316311	0.43596	-5.59273	1.719036	1.508929	1.499186	0.934951	1.164793	1.526279	1.389995	1.710758	1.38134	1.352446	1.529011	0.993481	1.054048	0.986036	1.320349	0.974502	1.024588	1.322858
FRG1JP	ENSG0000	-0.53247	0.355105	-1.81011	0.087507	0.1608	-4.68522	1.286899	1.327092	1.54317	0.742604	0.389229	0.461789	0.670238	1.15884	0.833554	1.787595	1.588084	1.538714	1.548989	2.084417	1.947161	1.45147	1.329561	1.416439
TMEM242	ENSG0000	-0.22236	3.99175	-2.56085	0.019954	0.050242	-3.99954	4.767504	4.917869	4.657046	4.40878	4.343809	4.379778	4.737903	4.482206	4.578115	3.584041	3.735447	3.728156	3.617489	3.576046	3.734067	3.508614	3.458949	3.387478
TMEM167	ENSG0000	0.250762	5.157408	4.555023	0.000263	0.001606	-0.0507	4.957532	5.033724	4.946277	5.404628	5.334513	5.338414	5.396627	5.38452	5.404147	5.004057	5.003394	5.054151	5.278599	5.401859	5.236673	5.090174	5.123998	5.187851
FAM72D	ENSG0000	0.091165	0.738883	0.324655	0.749295	0.824422	-6.173	1.894617	1.708084	1.78216	1.74141	1.2379	1.055701	2.186178	1.945386	2.005764	1.98771	1.752042	1.915176	0.407676	0.550009	0.404558	1.85727	1.547811	1.81044
TNFRSF25	ENSG0000	-0.52824	1.025872	-2.13248	0.047427	0.09944	-4.22826	2.526909	2.308123	2.5366	1.104644	1.164793	0.830331	1.389995	1.549165	1.445026	1.732907	1.777644	1.67541	1.498836	1.495836	1.423614	1.948641	1.766644	1.546329
SLC35E2A	ENSG0000	0.084766	0.635575	0.485613	0.633273	0.732238	-5.96895	1.475543	1.277811	1.453818	1.519216	2.078331	1.714252	1.525136	1.231675	1.38134	1.073118	0.941811	0.993481	1.776519	1.710321	1.667532	1.058946	1.16325	1.058313
LINC01139	ENSG0000	0.529776	-0.88879	2.462858	0.02443	0.058935	-3.38475	2.965042	2.90305	2.933559	3.359513	3.362223	3.306732	3.440463	3.3682	3.498982	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
TSTD1	ENSG0000	0.78757	2.454862	8.735752	8.66E-08	3.31E-06	8.168094	1.010037	0.736739	0.512639	0.52061	1.006428	1.055701	1.074544	1.082132	1.244857	4.600298	4.732663	4.637978	5.60478	5.62404	5.689366	5.507606	5.444943	5.265357
CYB5RL	ENSG0000	-0.06987	1.816356	-0.45808	0.652536	0.748797	-6.30693	2.165157	2.039077	1.954926	2.063099	2.549605	2.402038	1.816207	1.549165	2.202855	2.100009	2.437987	2.369387	2.343563	2.190279	2.257813	2.334732	2.295039	2.419973
CROCCP2	ENSG0000	0.117116	2.591378	1.171355	0.257178	0.37207	-5.98264	2.109269	2.258179	2.248556	2.359902	2.71237	2.374422	2.696258	2.481727	2.588518	3.047564	3.241771	3.210672	3.353912	3.552417	3.317756	3.123735	3.236163	3.050576
AC009403.	ENSG0000	-0.16834	2.228637	-1.2419	0.230682	0.341575	-5.65216	3.085796	3.07157	3.104764	3.103249	2.926537	3.18484	2.981245	3.083395	2.937508	1.865926	1.875739	2.152295	2.371704	2.416542	2.18129	1.627702	1.90484	1.877799
CCDC7	ENSG0000	-0.06379	-0.18836	-0.29129	0.774258	0.841889	-5.86859	1.755904	1.883052	1.78216	1.933905	1.307481	1.475193	1.70672	1.809233	1.873138	0.415169	0.583785	0.54756	0.407676	0.550009	0.404558	0.576451	0.504542	0.315289
FNIP1	ENSG0000	0.392424	4.724906	2.70188	0.014858	0.039748	-3.92817	3.991296	4.262405	4.215584	5.1079	4.911451	5.085168	5.223595	5.255104	5.067277	4.660143	4.765022	4.692697	5.005325	5.090728	4.900154	4.533992	4.648991	4.661156
CKLF	ENSG0000	-0.83171	-0.26557	-2.89906	0.009776	0.028591	-2.61107	1.336422	1.277811	1.406977	0.742604	1.164793	1.250575	1.074544	1.430416	1.244857	1.116489	1.029669	0.921995	0.656707	0.612281	0.707101	0.393424	0.637375	0.315289
AL390719.	ENSG0000	0.045125	2.326044	0.188104	0.852962	0.900908	-6.91394	2.461454	2.258179	2.621113	0.841981	0.512209	0.657796	1.160105	1.231675	0.925731	3.950439	4.013804	4.071539	4.38345	4.581228	4.333621	4.280646	4.263465	4.311289
PAM16	ENSG0000	-0.2382	1.265897	-1.5027	0.150768	0.245669	-5.19138	2.296082	2.125186	1.744977	1.519216	1.817192	1.880533	1.816207	1.988058	2.165532	1.76051	2.053933	1.759838	1.420179	1.393161	1.722572	1.45147	1.67689	1.665483
AC016739.	ENSG0000	-0.05106	0.301477	-0.16313	0.872286	0.914267	-6.00664	1.286899	1.226787	1.744977	1.888135	1.864131	1.623325	1.917967	1.491012	1.918715	1.278001	1.112482	0.884879	0.907968	0.671977	0.651457	0.63264	0.975239	0.497646
MORF4L1P	ENSG0000	-0.14245	3.922479	-1.92711	0.070382	0.135759	-5.17014	4.226185	3.976101	4.235828	4.290615	4.360275	4.138446	3.988671	3.946081	3.924645	4.082065	3.964495	3.877343	3.835226	3.921728	3.951255	3.871719	3.942484	3.797179
TENM3	ENSG0000	0.82753	4.830108	7.823542	4.10E-07	1.06E-05	6.722942	6.526223	6.638885	6.626822	8.448077	8.416679	8.598395	7.541078	7.434614	7.37535	2.163418	1.967585	1.631268	3.116795	3.253475	3.263113	2.173627	2.392244	2.419973
AL590867.	ENSG0000	-0.2379	1.332437	-1.24296	0.2303	0.34108	-5.48239	2.296082	2.206444	2.351095	2.48816	2.078331	1.714252	2.412257	2.108984	2.471058	1.940223	1.498542	1.514616	1.498836	1.428204	1.610309	1.250674	1.206659	1.370407
LINC00339	ENSG0000	-0.47383	2.729842	-3.53631	0.002448	0.009526	-1.71045	3.498536	3.335139	3.359697	3.392671	3.242978	3.168853	3.33403	3.122225	3.084728	2.943032	2.85362	2.638296	2.706013	3.054776	2.675503	2.055273	2.48331	2.14716
MIF-AS1	ENSG0000	-0.19128	0.513898	-0.69571	0.495756	0.612939	-5.89055	1.561356	1.631689	1.62731	0.635873	1.307481	1.840725	0.983587	1.658879	1.01237	1.490718	1.190799	1.126631	1.248697	1.282615	1.129895	1.320757	1.289746	1.461048
CEBPZOS	ENSG0000	0.04428	6.227541	0.690793	0.498768	0.615914	-7.11614	6.786668	6.797001	6.767886	6.887089	6.747888	6.734696	6.88479	6.907443	6.911887	5.640283	5.615362	5.549768	5.74987	5.903146	5.912885	5.570088	5.526431	5.590523
ZNF579	ENSG0000	0.208883	3.590561	1.699866	0.106882	0.188336	-5.5488	2.965042	3.027527	3.013906	2.955742	3.656958	2.998412	2.832807	3.196885	3.289427	3.805587	3.942027	4.348702	4.755939	4.756906	4.663983	4.442647	4.211138	4.143528
NBPF1	ENSG0000	-0.0016	5.006588	-0.02362	0.981423	0.987943	-7.21222	4.794334	4.860445	4.883506	5.041505	4.939117	5.122998	4.99237	5.063901	5.136423	5.283944	5.150274	5.191584	5.117597	5.063124	5.138897	4.991566	4.981317	5.191165
FTH1P8	ENSG0000	0.256366	1.080024	1.67521	0.111691	0.194713	-4.87304	1.475543	1.708084	1.818408	2.181668	2.155834	1.840725	1.648695	1.901414	2.047395	1.388276	1.435603	1.277453	1.667235	1.622273	1.355599	1.354562	1.513652	1.626848
UMAD1	ENSG0000	0.377252	4.044321	4.054299	0.000784	0.003844	-0.84505	4.131163	4.406929	4.208773	5.15214	5.075006	5.135391	4.758625	4.784126	4.585199	3.488234	3.136872	3.439082	3.814873	3.987816	3.734067	3.61006	3.529023	3.56145
PPP1R3G	ENSG0000	1.06555	-0.58877	3.830993	0.001281	0.00571	-0.87173	0.318509	0.215206	0.512639	0.258133	0.625525	0.106501	0.415731	0.253663	0.515351	1.278001	1.467416	1.514616	1.154653	1.282615	1.320349	2.494877	2.354144	2.003758
FAM228B	ENSG0000	0.690703	0.956332	2.989631	0.00805	0.02443	-2.54213	1.286899	1.883052	1.028027	1.978268	2.03796	2.557474	1.867984	1.85606	1.873138	0.982259	1.228418	1.219002	1.365252	1.393161	1.749324	1.286141	1.67689	1.58715
ZNF433-AS	ENSG0000	-0.11784	-1.15913	-0.97984	0.340532	0.461484	-5.84026	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.263275	2.267764	2.314614	2.466086	2.549802	2.481722	2.211015	2.190809	1.844513
ZSCAN12P	ENSG0000	-0.24676	-1.04863	-0.8274	0.419162	0.540821	-5.76963	0.503316	0.316291	0.323815	0.395333	0.106501	0.106501	0.415731	0.387194	0.106501	1.457372	1.699433	1.333627	1.018891	1.032323	1.129895	1.286141	1.329561	1.58715
VAMP2	ENSG0000	-0.01912	5.210864	-0.20195	0.842285	0.89334	-7.13762	6.072266	6.047062	6.089793	6.020383	5.87399	6.009218	6.242435	6.164269	6.218085	4.447347	4.479316	4.488257	4.586193	4.608219	4.550681	4.026533	4.273707	4.444998
RPL21P16	ENSG0000	0.057972	-0.01831	0.230127	0.820665	0.877129	-5.96382	1.18244	1.118985	1.54317	1.791994	1.164793	1.188496	1.389995	1.367163	1.38134	1.116489	0.848253	0.683459	0.562188	0.7293	0.593579	0.63264	1.024588	0.805046

PPP3CB-AS	ENSG0000	-0.0653	1.848425	-0.37929	0.709041	0.7935	-6.35379	2.27083	2.356396	2.274882	2.21912	1.666451	1.880533	2.303642	1.988058	2.376228	2.263275	2.267764	2.004401	2.491955	2.50126	2.618601	2.135245	1.981819	2.326628
C6orf226	ENSG0000	-0.1106	1.611359	-0.60676	0.55181	0.6622	-6.18254	1.755904	1.465573	1.706811	2.021307	1.909591	2.317553	1.074544	1.549165	1.918715	1.787595	2.388995	2.328504	2.579013	2.985883	2.846311	2.075685	2.030948	2.302316
PPP3R1	ENSG0000	0.256688	6.256313	4.143287	0.000645	0.003284	-1.12366	6.242672	6.347962	6.357977	6.33805	6.334017	6.140024	6.711398	6.76901	6.796075	6.193468	6.101878	6.271613	5.853284	5.879602	5.821296	6.281155	6.250286	6.27968
PSG3	ENSG0000	-0.10333	-1.14973	-0.55274	0.587441	0.692396	-6.18257	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.356666	2.575707	2.569785	1.797417	1.766169	1.749324	2.384669	2.054898	2.302316
FANCG	ENSG0000	-0.20824	4.278913	-1.93736	0.069034	0.13363	-5.36437	4.226185	4.014214	4.268949	3.887325	3.48743	3.620621	3.866715	3.809996	3.708117	5.326119	5.267851	5.288917	4.207266	3.896925	4.134921	5.14915	5.160331	5.174518
AP4M1	ENSG0000	0.177032	4.197352	2.545276	0.02061	0.051526	-4.09363	4.239263	4.115866	4.080323	4.681208	4.764552	4.679672	4.274204	4.307901	4.444269	3.907872	4.013804	3.867863	4.549709	4.484656	4.423569	4.057652	4.273707	3.840032
MAGEA3	ENSG0000	-0.05845	3.421864	-1.003	0.329545	0.449503	-6.85849	0.503316	0.875715	0.679585	0.395333	0.828511	0.909432	0.670238	0.387194	0.833554	7.828383	7.745709	7.841295	7.643304	7.624034	7.586353	7.720447	7.757802	7.772692
CEBPD	ENSG0000	-0.19288	4.202095	-1.07191	0.298337	0.417204	-6.43296	3.613482	3.777682	4.138828	4.687901	4.807214	4.480358	3.027514	2.894433	3.181386	4.14101	4.637993	4.768526	5.123815	5.162721	5.047545	4.805497	4.729324	4.229846
ARIH2OS	ENSG0000	-0.44699	-0.01754	-1.73067	0.101126	0.180494	-4.68501	1.18244	1.061904	1.028027	0.395333	1.006428	1.123626	0.983587	0.509405	0.735084	1.199504	1.112482	1.333627	1.498836	1.077171	1.284217	1.017342	1.16325	1.115245
ZBED8	ENSG0000	0.215205	3.032087	1.959641	0.066183	0.129415	-4.93058	3.337603	3.07157	3.075109	3.325575	2.762786	2.924168	3.258446	3.462004	3.218306	3.312899	3.116952	2.966075	3.259174	3.366191	3.272365	3.501087	3.277464	3.189613
NPTXR	ENSG0000	0.438537	1.582526	1.78694	0.091303	0.166146	-4.70329	2.165157	2.125186	2.5366	3.933121	4.061165	4.045196	2.752438	2.753138	3.044176	0.88529	0.848253	1.305813	1.689764	1.819936	1.826726	0.576451	1.2488	1.170016
FAM200A	ENSG0000	-0.07839	4.13407	-0.98003	0.340442	0.461407	-6.48537	4.478633	4.468622	4.255791	4.367681	4.327153	4.506036	4.235306	4.397684	4.112876	3.980092	3.901847	4.012537	4.257146	4.303069	4.411058	3.923315	3.890192	4.087723
PPP2R2A	ENSG0000	-0.0396	6.457761	-0.83721	0.413775	0.535667	-7.09366	6.317027	6.403582	6.323711	6.059623	5.981675	5.954316	6.070782	6.273954	6.111723	6.873232	6.81645	6.845941	6.550775	6.623406	6.589794	6.899	6.900835	6.955701
C19orf73	ENSG0000	-0.05638	-0.01104	-0.27988	0.782858	0.848056	-6.09806	0.587539	0.736739	0.598525	0.742604	0.625525	0.461789	0.886508	0.387194	0.39151	1.555182	1.403073	1.46518	2.145912	2.039797	1.775589	1.627702	1.442809	1.416439
ZNF880	ENSG0000	0.391555	1.46523	2.127662	0.047876	0.100175	-4.53713	0.587539	0.499412	0.829201	1.182548	1.373859	1.526279	0.782422	0.253663	0.735084	3.091698	3.232543	3.332842	3.913883	4.011117	3.760608	3.848182	3.449945	3.650813
TRIM16	ENSG0000	0.318611	6.848251	2.388411	0.028445	0.066438	-4.87923	6.763093	6.920546	6.84129	6.514103	6.548576	6.538701	7.188262	7.113002	7.026913	6.564237	6.50296	6.567906	7.201022	7.235	7.250029	6.93715	6.866568	6.925179
TIGD1	ENSG0000	0.106561	3.48728	0.902366	0.37913	0.501249	-6.55381	2.483604	1.978677	2.446827	3.273122	2.926537	3.247073	2.832807	3.063581	2.846105	4.581075	4.490971	4.437893	4.546627	4.615839	4.527685	4.533992	4.442079	4.311289
XKR9	ENSG0000	-0.22459	-1.13047	-0.68542	0.502067	0.618501	-5.88565	0.318509	0.499412	0.598525	0.106501	0.106501	0.106501	0.548589	0.106501	0.256032	1.116489	1.467416	1.49011	1.27873	1.032323	1.355599	1.354562	1.368306	1.322858
LINC01465	ENSG0000	0.052498	-0.2544	0.145616	0.885891	0.924156	-5.87225	2.165157	1.947501	2.274882	1.578054	1.437317	1.993763	2.058296	1.988058	1.873138	0.190076	0.640699	0.288049	0.234608	0.671977	0.335616	0.393424	0.504542	0.497646
SLC12A8	ENSG0000	-0.55898	3.268456	-5.77383	2.02E-05	0.000218	2.864867	4.265068	4.236845	4.167214	3.51817	3.394558	3.419122	3.388228	3.633086	3.721038	3.437834	3.447177	3.722908	2.661114	2.451029	2.703134	3.063688	3.149837	3.279535
APOL6	ENSG0000	-0.43191	5.787597	-3.23196	0.004763	0.016227	-3.10627	5.825812	5.747832	5.748412	4.103016	3.923901	3.91707	4.950956	5.063901	5.005251	6.990788	6.985272	6.967979	6.421291	6.467899	6.476276	6.647826	6.776711	6.798367
FADS3	ENSG0000	0.420968	3.357462	1.419511	0.17334	0.27353	-5.8251	3.551922	3.667203	3.522358	2.688367	3.093416	3.016392	3.178682	3.318907	3.181386	3.024981	2.935512	2.893183	4.618846	4.581228	4.691833	3.581796	3.863317	3.716682
CCNL2	ENSG0000	-0.25621	6.308429	-3.05456	0.006998	0.021884	-3.47069	6.031501	5.824908	5.961952	6.67099	6.654177	6.715565	5.701383	5.682848	5.653661	6.578847	6.631378	6.446585	6.847949	6.744783	6.859837	6.13927	6.333415	6.423277
UBA52	ENSG0000	-0.13703	8.536069	-4.70358	0.000191	0.001259	-0.06971	9.012002	9.030318	9.025323	8.910863	8.942684	8.857212	8.829099	8.826745	8.852037	8.256529	8.164001	8.190253	8.148736	8.146801	8.181874	8.119272	8.133814	8.096737
PPT2	ENSG0000	0.075412	3.528169	0.493426	0.627854	0.72739	-6.65507	3.465529	3.628412	3.466347	4.424898	4.43213	4.34463	4.045989	3.967564	3.979442	3.512789	3.455132	3.495574	3.442811	3.357127	3.361763	3.123735	3.182818	3.149291
EXOC3-AS1	ENSG0000	-0.36361	2.380415	-3.75246	0.001522	0.006537	-1.39131	1.336422	1.551021	1.744977	1.791994	1.718467	2.029614	1.317361	1.658879	1.674905	3.772076	3.836353	3.914651	4.191564	4.190213	4.114488	3.560228	3.529023	3.189613
ZNF630	ENSG0000	0.769201	0.650095	5.964343	1.37E-05	0.000163	3.363211	0.318509	0.499412	0.323815	0.635873	0.828511	0.746642	0.983587	0.509405	0.735084	2.263275	2.135404	2.213454	2.968056	3.088026	2.99902	2.866919	2.696248	2.649309
BTBD19	ENSG0000	-0.10278	2.670143	-0.8885	0.386339	0.508213	-6.22722	2.548084	2.356396	2.423483	2.91067	2.686486	3.168853	2.446718	2.623806	2.77354	3.102524	3.204502	2.893183	3.532792	3.357127	3.578659	2.692858	2.947209	2.84714
FAM185A	ENSG0000	0.146171	2.050165	0.862983	0.399834	0.521505	-6.00705	2.707144	2.636038	2.469799	2.766336	2.926537	3.231764	2.480375	2.357042	2.643847	1.616888	1.777644	1.877881	2.145912	2.50126	2.589286	2.211015	1.737342	2.326628
CYTOR	ENSG0000	-0.08446	4.845482	-0.75094	0.462678	0.582834	-6.95983	5.100552	4.843609	4.929803	3.661095	3.656958	3.828257	4.968851	5.078784	5.174497	5.569872	5.368161	5.487683	4.950405	4.814328	4.935528	5.371825	5.209172	5.274758
C10orf55	ENSG0000	-0.75249	-0.2472	-2.11632	0.048949	0.101942	-4.26634	0.742531	1.118985	0.964748	0.106501	0.25478	0.2349	0.415731	0.106501	0.106501	2.204194	2.155072	2.34226	2.009285	1.871771	2.276326	2.247458	2.101639	1.739782
H2BP1	ENSG0000	-0.02713	-1.59707	-0.17694	0.86159	0.907061	-6.1307	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.787595	1.616737	1.67541	1.954519	1.560439	1.51998	1.419885	1.645686	1.665483
CLDN10-AS	ENSG0000	-0.15979	0.912792	-0.8094	0.429168	0.550738	-5.91406	1.826927	2.09705	2.049454	0.934951	1.437317	1.475193	1.459147	2.220554	2.087859	1.91588	1.644832	1.759838	0.701742	0.938214	1.17005	1.65509	1.707432	1.461048
RPS10P7	ENSG0000	-0.8145	0.767404	-2.98633	0.008107	0.024562	-2.56458	1.861169	2.332462	1.818408	1.519216	1.666451	1.669505	0.782422	1.231675	0.925731	1.865926	1.699433	1.439812	1.186687	1.077171	1.002253	1.542275	1.581179	1.504318
NA	ENSG0000	1.33246	1.425718	6.802698	2.66E-06	4.70E-05	4.589595	7.130777	7.167981	7.128833	8.05376	7.968502	7.999517	8.541892	8.442637	8.495762	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TCAF1P1	ENSG0000	-0.89297	1.914682	-5.06959	8.72E-05	0.000682	1.597994	3.300651	3.209365	3.190238	2.063099	2.333126	2.196611	2.376953	2.255906	2.239236	2.444376	2.320972	1.969371	1.99126	1.766169	2.257813	1.708352	1.795362	1.703111
AL441992.	ENSG0000	0.261484	1.88233	1.649212	0.11696	0.202021	-5.09428	1.990546	2.09705	2.018628	2.864145	2.429905	2.346268	2.340763	2.420731	2.748518	2.263275	2.095243	2.038602	1.99126	2.250257	2.257813	2.334732	2.054898	1.877799
NUTM2A-A	ENSG0000	-0.19329	4.459611	-2.45556	0.024799	0.059668	-4.29416	5.465799	5.531	5.37527	5.171375	4.955466	5.00189	5.243334	5.150979	5.197793	3.895476	3.805572	3.928397	3.850304	3.846002	3.767168	3.793775	3.644015	3.999746
EXOSC6	ENSG0000	-0.11468	5.13396	-1.45478	0.163455	0.26154	-6.23607	5.075249	5.201677	4.98267	4.701197	4.580048	4.586466	4.998191	4.843429	5.082376	5.832982	5.790631	5.895985	4.792829	4.863163	4.807727	5.684156	5.766537	5.715459
VPS52	ENSG0000	-0.5303	6.286321	-8.51112	1.26E-07	4.27E-06	7.575114	6.42255	6.429199	6.495858	5.830775	5.888253	5.921298	5.719113	5.592401	5.833973	6.759845	6.748484	6.872255	6.588733	6.588979	6.550405	6.459699	6.416643	6.389056
RPL23AP5	ENSG0000	-0.05722	1.089068	-0.30923	0.760804	0.832401	-6.16445	2.137484	2.009193	2.166567	1.634586	1.718467	1.526279	2.144798	2.290412	1.777424	1.457372	1.190799	1.696985	1.498836	1.393161	1.320349	1.177011	1.645686	1.461048
AC135983.	ENSG0000	0.029755	1.360907	0.143634	0.887432	0.924901	-6.23088	2.609804	2.55562	2.492412	2.103714	2.549605	2.581827	2.696258	2.777669	2.309357	1.490718	1.644832	1.49011	0.701742	1.120667	0.910419	1.482378	1.613793	1.461048
LINC00630	ENSG0000	-0.06659	1.960769	-0.54947	0.589638	0.694068	-6.29079	2.505419	2.308123	2.621113	2.181668	2.193078	2.098749	2.26554	2.568641	2.309357	2.338465	2.372288	2.07201	2.399306	2.250257	2.276326	2.192442	2.124453	2.374055
ZNF844	ENSG0000	-0.26135	-0.36834	-2.89565	0.009847	0.028753	-3.15201	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.751589	3.890158	3.573456	3.735884	3.710228	3.831176	3.455083	3.307681	3.540816
TMSB4XP4	ENSG0000	0.834072	0.908656	3.21136	0.004982	0.016829	-2.09369	1.010037	1.327092	1.406977	2.661411	2.03796	2.258349	2.412257	1.710758	1.962896	1.278001	1.300837	0.807652	1.27873	1.495836	1.51998	1.286141	1.16325	1.626848
C1GALT1C	ENSG0000	-0.4046	0.544538	-1.2122	0.24157	0.354052	-5.66237	1.430644	0.940485	0.756332	0.395333	0.106501	0.746642	0.670238	1.231675	1.38134	2.320032	2.155072	2.396013	2.357702	2.549802	2.161508	2.095813	1.766644	1.739782
NSUN5P1	ENSG0000	-0.41073	3.764969	-4.23464	0.000528	0.002816	-0.44558	3.936145	4.051346	4.07284	4.132759	4.061165	4.113606	3.747379	3.659726	3.572114	3.77884	4.040487	3.658388	4.122859	4.15926	4.25179	3.200096	3.494411	3.660409
CCDC18-AS	ENSG0000	-0.25321	3.13376	-1.62549	0.121952	0.208719	-5.48041	3.530804	3.100202	3.322321	3.359513	2.686486	3.086148	2.752438	2.650616	2.616448	3.367773	3.365114	3.380287	4.126992	3.927863	4.062102	3.374993	3.277464	3.444131
MIR503HG	ENSG0000	-0.80854	0.60046	-2.59944	0.018415	0.047095	-3.2556	1.519087	1.374745	1.706811	1.578054	1.307481	1.310092	0.886508	1.231675	1.445026	1.555182	1.498542	1.126631	2.062048	1.871771	1.695314	0.517985	0.975239	1.322858
TSSC2	ENSG0000	-0.55924	0.379576	-5.59245	2.92E-05	0.00029	2.320399	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	5.238045	5.303538	5.119519	4.912595	4.824228	4.755899	4.477583	4.687803	4.684858
LINC00205	ENSG0000	-0.0794	2.529514	-0.53881	0.596816	0.699931	-6.54561	2.505419	2.513665	2.681399	2.181668	1.864131	1.956998	1.966276	2.481727	2.127218	3.013555	3.250939	3.232997	3.669424	3.568213	3.486261	3.218571	3.116085	3.364179
ENTPD3-AS	ENSG0000	-0.02465	1.419208	-0.15398	0.879389	0.919659	-6.29483	1.384302	1.81559	1.406977	2.143217	1.953662	1.757653	1.525136	1.945386	1.962896	1.98771	1.967585	2.021603	2.300295	2.416542	2.34809	1.784732	1.930959	1.58715
CERS1	ENSG0000	0.44536	0.15622	1.427004	0.1712	0.270903	-5.00902	1.519087	1.508929	1.54317	2.688367	2.398361	1.880533	1.917967	1.658879	1.918715	0.781331	0.462741	0.54756	0.562188	0.416769	0.651457	1.017342	0.637375	0.497646
AC244669.	ENSG0000	0.154488	1.176476	0.95785	0.351201	0.472437	-5.92373	1.286899	1.591918	1.202741	1.326771	1.612488	1.055701	1.317361	1.231675	0.925731	2.18395	2.135404	2.355887	2.044674	1.846087	2.07955	2.524879	2.465551	2.549558
AC073365.	ENSG0000	0.211389	-0.46024	1.80324	0.088618	0.162234	-5.07436	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	3.113269	3.1855	3.283783	2.949505	2.925848	2.918805	3.324713	3.476789	3.279535
CFL1P1	ENSG0000	-0.34878	0.327322	-1.14834	0.266304	0.382586	-5.33611	3.114469	3.027527	2.982302	1.978268	2.03796	1.840725	2.667326	2.801791	2.560038	0.415169	0.524532	0.34382	0.562188	0.484926	0.651457	0.457048	0.358227	0.409347
AC005006.	ENSG0000	-0.05781	-1.35931	-0.33702	0.740115	0.817069	-6.21696	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.30136	2.388995	2.088428	1.878105	1.528499	1.390007	1.992244	2.078458	2.302316
OSER1-DT	ENSG0000	-0.04328	1.613858	-0.26915	0.790968	0.854438	-6.29201	1.681202	1.631689	1.406977	2.325974	2.193078	2.22781	1.966276	2.029503	1.727075	2.204194	1.945166	2.004401	2.694919	2.729118	2.795875	1.833493	1.547811	1.973284
AFG3L1P	ENSG0000	-0.05194	4.366999	-0.424	0.676736	0.7676	-6.99431	4.066597	4.383825	4.281987	4.584077	4.400635	4.531264	4.348988	4.040332	4.45204	4.812964	4.771408	4.727183	4.264669	4.095289	4.179864	4.650836	4.641102	4.661156
CHROMR	ENSG0000	0.311846	2.203708	2.543165	0.0207	0.05167	-3.66259	2.526909	2.49222	2.049454	2.518519	2.737798	2.581827	2.752438	2.623806	2.471058	2.444376	2.285719	2.314614	2.28558	2.549802	2.604018	2.568742	2.799093	2.374055
EPB41L4A-	ENSG0000	-0.19099	5.10156	-0.92495	0.367586	0.489485	-6.69021	6.384797	6.485903	6.446046	5.424805	5.568621	5.599217	6.259498	6.221272	6.224904	4.026306	4.219284	4.167389	4.630539	4.545767	4.6463	4.042177	3.948889	3.945834
LINC02561	ENSG0000	0.199215	-1.9229	0.874505	0.393701	0.515394	-5.45776	2.051128	1.591918	1.78216	1.688986	1.2379	1.422231	2.058296	1.710758	2.005764	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CPTP	ENSG0000	0.099003	4.617688	0.979177	0.340853	0.461735	-6.66253	3.86199	4.087546	4.1812	4.569652	4.842803	4.434292	4.13321	4.109604	3.733845	4.877414	4.964909	5.189682	5.27674	5.284851	5.224807	5.336314	5.140881	5.01537
AC007319.	ENSG0000	-0.75854	0.079016	-1.84121	0.082629	0.154103	-4.42281	2.505419	2.576149	2.37563	1.393812	1.718467	1.757653	2.26554	2.147141	2.047395	0.7264	0.524532	0.846782	0.562188	0.484926	0.593579	0.393424	0.69947	0.106501
SNHG14	ENSG0000	0.086746	6.725278	0.944115	0.35798	0.479833	-7.00442	6.568285	6.627865	6.470455	7.029605	6.893582	7.053705	6.868994	6.877965	6.793019	6.830732	6.817222	6.756945	6.582726	6.546751	6.48625	6.703814	6.677994	6.723671
PPM1F-AS	ENSG0000	0.017315	0.03119	0.089866	0.929415	0.953791	-6.09467	1.010037	0.875715	0.598525	0.934951	0.92021	0.746642	0.548589	0.726566	0.735084	1.073118	1.498542	1.49011	1.27873	1.2438	1.247156	1.482378	1.513652	1.416439
AC009506.	ENSG0000	-0.04831	1.001302	-0.24661	0.808081	0.867594	-6.141	1.235614	1.508929	1.256574	1.978268	1.864131	1.799787	1.317361	1.809233	1.38134	1.457372	1.435603	1.439812	2.314863	2.451029	2.220059	1.482378	1.024588	1.322858
DNAJC27-A	ENSG0000	0.029775	0.107288	0.100469	0.921115	0.948211	-6.01893	1.336422	1.591918	1.146821	1.326771	0.730585	1.123626	0.983587	1.367163	1.244857	0.7264	0.986408	0.726056	1.121891	1.16289	1.488568	1.177011	0.871168	0.734116
C5orf66	ENSG0000	0.608499	-0.04107	1.728404	0.10154	0.180921	-4.63334	1.12723	0.582935	0.598525	1.182548	1.437317	1.919272	0.670238	1.367163	1.171446	1.158593	0.848253	0.683459	0.701742	1.120667	0.910419	1.058946	1.072305	1.170016
HAGLR	ENSG0000	-0.54453	1.685548	-3.4734	0.00281	0.01069	-1.82628	1.475543	1.118985	1.62731	1.256461	1.612488	1.123626	1.816207	1.301009	1.38134	3.165825	3.146729	3.225594	2.717023	3.253475	2.976553	2.554269	2.601856	2.464474
SLC25A5-A	ENSG0000	-0.37437	-0.03953	-1.45263	0.164044	0.262116	-5.09082	0.814199	1.327092	1.30847	0.635873	0.389229	0.909432	0.782422	0.726566	0.735084	1.278001	1.112482	1.387696	1.392977	1.357245	0.957066	0.974502	1.329561	1.322858
ADM5	ENSG0000	0.240064	-0.54977	1.044558	0.31046	0.430144	-5.34826	1.519087	1.374745	1.62731	1.182548	1.2379	1.310092	1.525136	1.549165	1.727075	0.34397	0.462741	0.34382	0.294634	0.345231	0.533283	0.457048	0.637375	0.315289
PRKAR2A-A	ENSG0000	-0.41579	0.638116	-1.89977	0.074092	0.14154	-4.51154	1.602421	1.327092	1.499186	1.182548	1.087782	1.250575	0.886508	1.367163	1.244857	1.52331	1.55885	1.49011	1.186687	1.897007	1.923865	1.177011	1.547811	1.222783
ATXN1L	ENSG0000	-0.21472	6.408297	-5.52659	3.35E-05	0.000325	1.835564	6.241047	6.24755	6.269099	5.969096	5.910785	5.847893	5.98838	6.025209	5.967373	6.992972	6.893849	6.920624	6.786563	6.616776	6.729026	6.785858	6.708513	6.774264
SMIM13	ENSG0000	0.484968	5.111083	4.036652	0.000815	0.003971	-1.15475	5.132445	5.340148	5.214556	5.775282	5.589722	5.697212	5.879071	5.988901	6.015365	4.880563	4.602618	4.77868	4.323482	4.321825	4.516048	5.018176	4.864208	4.886383
AC096677.	ENSG0000	0.001923	0.994811	0.010538	0.991711	0.994154	-6.18958	1.894617	1.978677	1.667608	2.103714	1.953662	1.475193	1.648695	1.549165	1.620777	1.423238	1.265082	1.46518	1.186687	1.495836	1.51998	1.681967	1.613793	1.416439
EIF4BP3	ENSG0000	-0.25742	2.092865	-2.4617	0.024488	0.059037	-3.76449	2.949211	2.802095	2.681399	2.633943	2.660129	2.455733	2.607661	2.389238	2.643847	2.243849	2.285719	2.152295	2.28558	2.21055	2.220059	1.970607	2.233409	2.003758
HNRNPA1F	ENSG0000	-0.10266	2.100629	-0.7531	0.461413	0.581807	-6.15096	2.90065	2.76681	2.5366	2.999448	2.520598	2.5075	3.072345	2.451551	2.748518	2.392392	2.303453	2.136592	1.99126	1.946191	2.058312	2.013561	2.124453	2.14716
SVIL-AS1	ENSG0000	0.544963	3.700483	6.827072	2.54E-06	4.52E-05	4.887096	3.672523	3.667203	3.65856	4.316764	4.222966	4.271657	4.358069	4.316298	4.16108	3.284659	3.381904	3.38694	3.575762	3.436722	3.707028	3.818209	3.68296	3.744016
RPS27AP1	ENSG0000	-0.09238	1.072413	-0.3905	0.700887	0.786847	-6.09829	1.826927	2.009193	2.37563	2.103714	2.398361	1.956998	2.376953	2.184314	2.047395	1.732907	1.699433	1.061592	0.945898	1.120667	1.17005	1.017342	1.368306	1.170016
SH3BP5-AS	ENSG0000	-0.44469	2.034277	-3.10635	0.006257	0.020139	-2.61383	1.861169	1.849715	1.744977	2.103714	1.953662	1.669505	1.867984	1.710758	1.564539	3.091698	3.640966	3.043904	2.88263	2.837366	2.846311	2.524879	2.908298	2.928814
RASAL2-AS	ENSG0000	-0.66257	1.141256	-2.87202	0.010357	0.029893	-3.05375	1.336422	1.551021	1.358564	0.742604	0.512209	0.3528	0.782422	1.082132	0.515351	3.165825	2.877496	2.902498	3.24403	3.243672	3.064395	2.334732	2.755911	2.419973
LAMTOR5-	ENSG0000	-0.25685	0.778283	-1.4213	0.172828	0.272843	-5.14305	2.165157	2.039077	1.888281	1.978268	1.864131	2.374422	1.762502	2.184314	1.873138	1.028404	1.265082	1.188864	0.945898	0.888753	1.08859	0.884806	0.816175	1.115245
MUC20P1	ENSG0000	-0.29811	-0.78332	-1.33751	0.198203	0.302768	-5.41361	0.106501	0.106501	0.219246	0.258133	0.25478	0.106501	0.106501	0.253663	0.106501	2.356666	2.174476	2.136592	2.88263	2.997596	2.976553	1.970607	1.90484	1.665483
AL589843.	ENSG0000	0.095348	-1.5581	0.767483	0.453038	0.573516	-5.87375	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.76051	1.699433	1.718241	1.667235	1.652223	1.639204	1.542275	1.878239	1.739782
MRPL20-A	ENSG0000	0.007956	4.864457	0.136698	0.892832	0.928335	-7.17097	4.284124	4.463121	4.476008	4.99368	5.013874	4.951383	4.393833	4.357565	4.647437	5.120474	5.05665	5.123508	5.531835	5.368419	5.495593	5.132197	5.02441	5.063177
NDUFAF8	ENSG0000	-0.00315	5.304023	-0.03555	0.972041	0.98176	-7.27521	5.200891	5.31594	5.137743	5.312338	5.371535	5.207592	4.851577	4.922558	5.131593	5.508112	5.469823	5.524349	5.413307	5.27526	5.568761	5.788317	5.633692	5.518482
AL132656.	ENSG0000	-0.14022	-0.03931	-0.63746	0.532085	0.644923	-5.75974	1.642349	1.420874	1.62731	1.519216	1.307481	1.919272	1.459147	1.301009	1.445026	0.669294	0.799097	0.594297	0.562188	0.484926	0.707101	0.517985	0.759002	0.805046
LINC00863	ENSG0000	-0.23028	1.484491	-1.37606	0.186179	0.288515	-5.32841	1.990546	1.978677	2.399755	2.457149	2.737798	2.5075	2.102195	1.945386	1.777424	1.352446	1.699433	1.67541	2.178139	1.970168	2.18129	1.214313	1.766644	1.370407
PSME2P2	ENSG0000	0.152474	-0.03146	0.835231	0.414859	0.536777	-5.80087	0.882475	0.736739	0.598525	0.52061	0.512209	0.746642	0.415731	0.726566	0.629397	1.704765	1.435603	1.248523	1.365252	1.495836	1.456457	1.599785	1.67689	1.775544
SLC9A3-AS	ENSG0000	1.343425	5.283331	4.196692	0.000574	0.003004	-0.70198	4.95357	4.921884	4.848876	7.648841	7.488766	7.535008	6.98638	6.85941	7.090526	3.87668	4.14254	4.231625	4.707079	4.668079	4.698713	3.889124	3.713375	3.840032
GOLGA2P7	ENSG0000	0.359391	1.32301	2.514878	0.021948	0.054104	-3.63083	0.947665	1.508929	1.256574	1.634586	1.437317	1.526279	1.160105	0.915275	1.50602	2.14259	2.193623	2.136592	2.51737	2.596763	2.574402	2.509956	2.618024	2.570068
AL590617.	ENSG0000	1.085779	0.387078	3.52323	0.002519	0.009755	-1.42343	1.430644	1.883052	1.406977	2.91067	2.686486	2.481849	2.696258	2.568641	2.82232	0.54782	0.583785	0.54756	0.562188	0.416769	0.862212	0.457048	0.637375	0.659518
RPSAP58	ENSG0000	0.077433	1.207667	0.4076	0.688516	0.777191	-6.08865	2.589523	2.576149	2.514675	2.714828	2.490996	2.402038	2.779728	2.511284	3.064594	1.616888	1.07167	1.061592	0.982856	0.837535	0.910419	1.017342	1.024588	1.115245
PLEKHM1	ENSG0000	0.113091	4.902676	1.564725	0.135572	0.226286	-6.01622	3.86199	3.952741	4.195052	4.448742	4.648682	4.604407	4.512454	4.256466	4.388669	5.411303	5.417853	5.378429	6.006965	5.914003	6.018381	5.332078	5.346497	5.539435
DUXAP9	ENSG0000	0.057423	2.79732	0.54273	0.594169	0.698017	-6.49133	3.114469	3.196163	3.075109	2.999448	2.835252	3.168853	2.981245	3.102941	2.959482	2.736149	2.714733	2.845681	3.039964	3.233802	3.126936	2.913023	2.813204	3.121769
ZNRF2P2	ENSG0000	-0.12657	0.317376	-0.68491	0.502382	0.618767	-5.82504	1.336422	1.631689	1.62731	1.182548	1.087782	1.575618	1.70672	1.301009	1.445026	0.88529	1.029669	1.126631	1.054048	1.120667	0.910419	0.930351	0.975239	0.872651
TAF1A-AS1	ENSG0000	-0.36323	1.484544	-1.76407	0.095191	0.171925	-4.81595	2.780548	2.258179	2.681399	2.325974	2.078331	1.880533	1.917967	2.029503	2.471058	1.388276	1.875739	1.60868	1.755315	1.681564	1.970087	1.354562	1.581179	1.626848
NA	ENSG0000	-0.73893	1.607981	-6.16787	9.12E-06	0.00012	3.741208	2.392887	2.356396	2.37563	2.143217	2.398361	2.22781	1.762502	1.430416	1.620777	2.100009	2.053933	2.16783	2.129525	2.127698	2.18129	1.627702	1.878239	1.739782
AC016027.	ENSG0000	-1.07491	-0.47755	-3.20044	0.005101	0.017152	-2.16549	1.010037	0.940485	0.756332	0.106501	0.106501	0.461789	0.106501	0.253663	0.256032	2.01088	1.989662	2.198406	1.818016	1.320413	1.667532	1.759719	1.513652	1.546329
AL354740.	ENSG0000	0.131937	0.163345	0.957479	0.351383	0.472614	-5.8524	0.41387	0.582935	0.829201	0.52061	0.389229	0.3528	0.670238	0.622068	0.629397	2.243849	1.945166	2.104662	1.597456	1.819936	1.667532	2.055273	2.169028	2.350536
PPP1R26-A	ENSG0000	0.127831	1.680125	0.504959	0.619895	0.720337	-6.2805	1.927307	1.915637	1.888281	1.519216	1.373859	1.714252	2.637802	1.901414	2.530983	2.320032	2.095243	1.896649	2.738794	2.612083	2.716753	1.926335	2.006592	2.091498
NRSN2-AS	ENSG0000	0.203735	1.551785	0.791851	0.439063	0.560205	-5.92557	2.609804	2.308123	2.700947	2.393052	2.549605	2.581827	2.752438	2.069791	2.530983	1.073118	1.029669	1.248523	2.112949	1.946191	2.276326	1.571317	1.478665	1.416439
SFTA1P	ENSG0000	-0.95613	-0.78514	-4.20285	0.000566	0.002977	-0.18719	0.216396	0.106501	0.219246	0.106501	0.25478	0.106501	0.106501	0.106501	0.256032	3.265521	2.792142	3.141546	2.044674	1.681564	1.695314	2.075685	2.315011	2.091498
BOLA3-AS1	ENSG0000	0.486018	0.297447	1.982795	0.063333	0.124834	-4.21195	2.080492	1.915637	2.399755	2.633943	2.811499	2.675323	2.446718	2.596487	2.376228	0.415169	0.259702	0.594297	0.610222	0.345231	0.593579	0.63264	0.504542	0.497646
RFPL1S	ENSG0000	0.60567	-1.61078	2.836927	0.011162	0.03172	-2.68879	1.791852	2.009193	1.818408	2.143217	2.429905	2.196611	2.752438	2.147141	2.34318	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
JPX	ENSG0000	-0.25186	4.39432	-4.05517	0.000783	0.003838	-1.0057	4.538049	4.691972	4.600923	4.456603	4.558804	4.427589	4.205428	4.413424	4.549426	4.660143	4.679329	4.515833	4.249584	4.358622	4.385705	4.386563	4.2788	4.394143
NUTM2B-A	ENSG0000	-0.1067	4.074267	-1.12175	0.277146	0.394463	-6.26592	4.981078	5.059469	4.942176	4.727426	4.614773	4.788301	4.695544	4.911516	4.99996	3.42926	3.463043	3.476988	3.436163	3.659519	3.679472	3.236813	3.431768	3.55117
GBP1P1	ENSG0000	0.415637	-1.5139	1.931717	0.069773	0.134804	-4.44175	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.52331	1.725977	1.514616	1.446877	1.320413	1.749324	1.734264	2.030948	1.775544
LINC01703	ENSG0000	-0.92163	0.177667	-2.94525	0.008855	0.02639	-2.55884	2.320899	1.849715	2.138168	0.934951	1.718467	1.250575	0.983587	1.491012	1.01237	0.834246	0.89579	1.094478	0.656707	0.550009	1.129895	1.058946	0.816175	0.580851
LINC01393	ENSG0000	-0.02024	-1.16539	-0.06332	0.95023	0.967829	-6.16532	0.41387	0.106501	0.219246	0.106501	0.106501	0.106501	0.415731	0.106501	0.515351	1.676063	1.529011	1.718241	1.498836	1.282615	1.51998	1.320757	1.707432	1.461048
NA	ENSG0000	0.194567	-0.65908	0.496429	0.625777	0.725437	-5.72447	1.927307	2.283367	2.049454	1.688986	1.718467	1.757653	2.412257	2.451551	2.869505	0.269074	0.259702	0.288049	0.171976	0.345231	0.335616	0.183756	0.19538	0.106501
ZNF469	ENSG0000	-0.07361	3.302628	-0.23361	0.818002	0.875269	-6.61026	4.553837	4.653851	4.892035	3.933121	4.081169	4.264152	4.552561	4.421231	4.613192	1.840286	2.320972	2.152295	3.339736	3.310934	3.19663	2.300453	2.392244	2.06284
MTND2P2	ENSG0000	0.192969	0.911687	0.884819	0.388265	0.509871	-5.78056	1.642349	1.277811	1.358564	1.457877	2.229385	1.840725	1.70672	1.082132	1.564539	1.116489	1.498542	1.360915	1.597456	1.993753	1.826726	1.627702	1.67689	1.222783
SBDSP1	ENSG0000	0.11883	4.545528	1.469182	0.159553	0.256714	-5.99486	5.086148	5.181722	5.180147	5.112883	4.960875	4.983728	5.490461	5.327507	5.265504	4.125171	4.152359	4.355501	3.918659	3.710228	3.578659	4.285035	4.189664	4.150354
MCRIP1	ENSG0000	-0.24984	5.848661	-2.38134	0.028857	0.067158	-4.76244	5.663084	5.520446	5.666267	6.097824	6.319354	6.068583	5.539183	5.423907	5.59521	6.135353	6.09553	6.2761	6.017022	6.016865	5.903984	5.845901	5.854454	5.706224
SLC26A6	ENSG0000	-0.18022	4.917888	-2.11717	0.048868	0.101817	-5.17821	4.803168	4.715296	4.739702	4.082842	4.204846	3.868406	4.358069	4.175703	4.270596	5.943981	5.995435	5.854589	5.003078	4.847068	4.96721	5.85035	5.818179	6.006286
FGD5-AS1	ENSG0000	0.741566	6.628217	8.510205	1.26E-07	4.27E-06	7.559733	5.825812	5.946183	5.972044	6.891445	6.931266	6.928742	7.022527	7.038831	6.991359	6.362863	6.384029	6.293907	6.90743	6.911938	6.872821	6.783533	6.779408	6.745249
NA	ENSG0000	1.468774	-0.35601	4.849838	0.000139	0.000986	1.139505	4.051848	4.14364	4.208773	3.456785	3.295295	3.560621	5.65424	5.495903	5.713073	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC00431	ENSG0000	-0.3395	-0.79524	-2.4041	0.02755	0.064774	-3.8738	0.106501	0.316291	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.790717	2.804649	2.776437	2.314863	2.148862	2.220059	2.706012	2.535313	2.419973
P3H2-AS1	ENSG0000	0.44475	-1.25594	1.521631	0.145988	0.23933	-4.80096	2.051128	1.744817	2.274882	2.393052	2.366112	2.5075	2.576877	2.451551	2.530983	0.106501	0.106501	0.16959	0.171976	0.190544	0.106501	0.106501	0.106501	0.106501
TRAM2-AS	ENSG0000	0.221562	1.926171	1.433853	0.169263	0.268435	-5.44187	2.109269	2.356396	2.446827	2.325974	1.864131	2.164723	2.303642	2.220554	2.309357	1.964162	2.074736	2.25768	2.145912	2.714997	2.528806	2.554269	2.37332	2.277588
FAM229A	ENSG0000	-0.45658	1.124522	-2.03041	0.057816	0.116309	-4.2894	2.483604	2.470453	2.166567	1.978268	2.264801	2.481849	1.648695	2.220554	2.047395	1.158593	1.07167	1.248523	1.858352	1.622273	1.610309	0.974502	0.924142	1.058313
ERCC6	ENSG0000	-0.37471	4.077709	-2.411	0.027165	0.06404	-4.32628	4.95357	4.937835	4.892035	3.999198	4.13	4.178918	4.552561	4.562048	4.313883	3.914031	3.842432	3.754117	4.118714	3.981932	4.098971	3.538334	3.587665	3.660409
RUSC1-AS1	ENSG0000	0.824935	-0.05236	3.055207	0.006988	0.021876	-2.3259	0.587539	0.661886	0.598525	1.326771	1.498102	1.575618	1.160105	1.430416	1.171446	0.781331	1.029669	0.499259	1.365252	1.077171	1.550722	0.686723	0.871168	0.999041
WDR87BP	ENSG0000	0.43322	-1.23313	3.645702	0.001925	0.007856	-1.28897	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.865926	1.699433	1.896649	2.566893	2.612083	2.559363	2.135245	2.006592	2.277588
NOL7	ENSG0000	0.053473	6.157893	1.063294	0.302119	0.421293	-6.83316	6.070438	6.07798	6.097189	5.821673	5.957528	5.837817	6.127646	6.043026	6.033605	6.248114	6.2759	6.320212	6.312078	6.401119	6.432583	6.398222	6.410854	6.352524
NTF4	ENSG0000	0.376871	-1.16577	1.081998	0.293956	0.412632	-5.55526	0.216396	0.316291	0.323815	0.106501	0.106501	0.106501	0.106501	0.253663	0.256032	1.073118	0.986408	1.277453	2.129525	2.039797	2.10048	1.571317	1.406038	1.461048
ABHD11-A	ENSG0000	0.016914	1.218094	0.089435	0.929753	0.953885	-6.4861	0.882475	0.661886	1.202741	0.742604	1.087782	0.984419	0.782422	0.509405	0.629397	2.708071	2.516115	2.460504	4.163669	4.073319	4.056758	2.731965	2.770449	2.442395

PIGBOS1	ENSG0000	-0.23852	2.659899	-2.21518	0.040292	0.087588	-4.30725	3.454357	3.286138	3.408073	3.376187	3.531716	3.584921	3.277716	3.415864	3.254305	2.589954	2.687979	2.546206	2.24051	2.344993	2.433049	2.334732	2.101639	2.252429
PHF2P2	ENSG0000	0.039908	-1.04076	0.186296	0.854358	0.90178	-6.34728	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	2.763691	2.674414	2.422156	1.858352	1.766169	1.876113	2.583072	2.315011	2.863849
LINC00623	ENSG0000	0.615127	1.763878	5.300006	5.37E-05	0.000464	2.036664	1.475543	1.173893	1.585853	2.021307	1.817192	1.956998	1.816207	1.85606	1.674905	2.282443	2.437987	2.510098	2.591031	2.596763	2.604018	2.957699	2.908298	2.928814
FTCDNL1	ENSG0000	-0.5554	1.500559	-2.30952	0.033368	0.075498	-3.89408	3.041689	2.748839	2.776595	2.633943	1.953662	2.288255	1.966276	2.147141	1.962896	1.646779	1.300837	1.387696	1.973006	1.681564	1.801384	1.354562	1.368306	1.665483
BAIAP2-DT	ENSG0000	0.064077	3.822488	0.53068	0.602319	0.70509	-6.91214	2.526909	2.748839	2.621113	3.647423	3.709312	3.405543	2.058296	2.184314	2.471058	4.886838	4.953722	4.943432	5.414998	5.338797	5.278599	5.069967	5.080907	5.102428
AC010536.	ENSG0000	-0.26822	0.761193	-1.47448	0.158137	0.254992	-5.1461	1.642349	1.631689	1.78216	1.326771	1.2379	1.123626	1.459147	1.658879	1.445026	1.891119	1.403073	1.305813	1.597456	1.2438	1.488568	1.320757	1.2488	1.416439
SGMS1-AS	ENSG0000	0.697609	1.759705	2.918815	0.009371	0.027623	-2.76432	2.137484	2.09705	2.166567	2.688367	2.811499	2.904994	2.144798	2.676938	2.616448	1.199504	1.369793	0.993481	2.760241	2.913535	2.604018	1.708352	1.851139	1.775544
WASH8P	ENSG0000	-0.08971	3.311624	-0.81076	0.428405	0.550106	-6.46004	3.613482	3.786518	3.914407	3.020814	3.34578	3.306732	3.733489	3.659726	3.733845	3.496465	3.423044	3.240362	3.416036	3.310934	3.326666	3.143207	3.337278	3.410407
GTF2H2B	ENSG0000	-0.21357	2.184176	-1.1263	0.275265	0.39257	-6.02283	2.483604	2.09705	2.446827	0.742604	1.718467	2.064596	2.102195	2.220554	2.047395	3.165825	3.175905	3.117748	2.921223	3.065945	3.137101	2.843302	3.009816	3.135595
TMEM191/	ENSG0000	0.345012	1.145448	1.763416	0.095304	0.172107	-4.75318	1.719036	1.591918	1.921989	2.143217	2.155834	1.757653	1.459147	1.549165	1.777424	1.073118	1.152172	1.387696	2.162115	1.993753	1.947161	1.759719	1.67689	1.665483
ZNF192P1	ENSG0000	0.323643	0.888854	1.948749	0.067563	0.131444	-4.62011	0.947665	0.875715	0.421314	0.742604	0.828511	0.909432	0.983587	1.231675	1.01237	2.163418	2.212518	2.152295	2.749557	2.811056	2.870883	2.317694	2.295039	2.350536
NUP50-DT	ENSG0000	0.120219	2.156043	0.654378	0.521387	0.635743	-6.23975	2.392887	2.039077	1.667608	3.255206	2.904251	2.980206	2.144798	2.255906	1.962896	2.461296	2.500824	2.34226	2.770846	2.642244	2.633039	2.639009	2.518186	2.326628
AL354836.	ENSG0000	-0.14293	1.652413	-0.96935	0.345593	0.466789	-5.86912	2.548084	2.596389	2.600444	1.840866	2.155834	2.288255	2.340763	2.069791	2.616448	1.891119	1.922393	1.67541	1.689764	1.793303	1.826726	1.85727	1.645686	2.003758
AC016831.	ENSG0000	-0.16066	0.465668	-0.58421	0.566546	0.676218	-5.97604	1.602421	1.591918	1.088647	1.022291	1.164793	1.526279	1.588238	0.726566	0.925731	1.616888	1.403073	1.333627	1.121891	0.784432	1.129895	1.387593	1.67689	1.665483
SLC16A1-A	ENSG0000	-0.31921	-1.12237	-1.43624	0.168591	0.267666	-4.94052	3.011517	3.027527	3.270929	2.840308	2.264801	2.629332	2.884002	2.801791	2.748518	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC02542	ENSG0000	0.141098	1.450899	0.666237	0.513958	0.628892	-5.98208	2.461454	2.534795	2.5366	2.933382	2.490996	2.784269	3.137083	2.728183	2.748518	1.116489	1.435603	1.188864	1.733794	1.495836	1.355599	0.974502	0.924142	1.322858
AL390198.	ENSG0000	-0.04763	0.143837	-0.15575	0.878015	0.918548	-6.23196	0.742531	0.661886	0.106501	0.635873	0.389229	0.657796	0.670238	0.509405	0.39151	1.940223	1.989662	1.915176	2.694919	2.888589	2.930541	1.759719	2.054898	1.504318
LINC01748	ENSG0000	0.306393	-1.27549	2.621252	0.017595	0.045466	-3.34158	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.891119	2.032826	2.055402	1.973006	2.127698	2.23906	2.013561	2.233409	2.397196
TMEM185I	ENSG0000	0.206772	6.099236	4.607779	0.000235	0.00147	-0.09462	5.881091	5.869251	5.819438	6.007062	5.992279	5.97285	6.111626	6.245657	5.931692	6.180754	6.130724	6.27789	6.191945	6.220499	6.225486	6.397209	6.362494	6.359905
LINC01035	ENSG0000	1.09284	-1.56291	4.19424	0.000577	0.003015	-0.14358	1.602421	1.631689	1.406977	2.840308	2.787348	2.629332	2.576877	2.481727	2.560038	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC01535	ENSG0000	-0.23071	0.931075	-1.29421	0.212431	0.320176	-5.88999	0.882475	0.736739	0.598525	0.106501	0.25478	0.461789	0.886508	0.824004	0.629397	3.471629	3.356645	3.495574	3.40246	3.310934	3.263113	3.171932	3.267249	3.162857
ENTPD1-A!	ENSG0000	0.076864	3.029108	0.733278	0.47311	0.592657	-6.38084	4.12413	3.704977	3.906009	3.619685	3.47236	3.744443	4.045989	3.967564	4.00079	2.83033	2.604605	2.766268	2.566893	2.169719	2.200805	2.807136	2.799093	2.668457
HSBP1L1	ENSG0000	0.112318	4.238323	1.542441	0.140878	0.232802	-5.87215	4.516725	4.490417	4.542529	4.171485	4.1009	4.096805	4.83866	4.728586	4.770621	4.318634	4.127684	4.264509	4.006532	3.993677	4.067427	4.161567	4.318914	4.18401
CUTALP	ENSG0000	0.133904	4.3084	1.668644	0.113002	0.19647	-5.69384	3.836399	3.920993	3.871922	4.640378	4.544465	4.67402	4.068294	4.128801	4.042563	4.460029	4.57368	4.331562	4.679202	4.774033	4.794943	4.481413	4.637141	4.444998
SRRM5	ENSG0000	0.077492	0.683899	0.349257	0.731069	0.810005	-6.13564	1.642349	1.465573	1.818408	1.022291	0.625525	1.123626	1.966276	1.658879	1.918715	1.352446	1.616737	1.413989	1.121891	1.282615	1.488568	1.482378	1.329561	1.370407
AC006001.	ENSG0000	-0.33679	0.840475	-1.03667	0.314018	0.433704	-5.6273	1.430644	1.277811	1.256574	2.359902	2.299368	2.132113	1.074544	0.915275	1.38134	1.787595	1.725977	1.562415	1.446877	1.282615	1.129895	1.286141	1.581179	1.546329
AC010894.	ENSG0000	-0.43429	-0.03473	-1.3852	0.183418	0.285261	-5.07049	1.894617	1.631689	1.30847	1.634586	0.828511	1.055701	1.317361	1.430416	1.314712	0.834246	0.583785	0.807652	0.745413	1.077171	1.046067	0.63264	0.572487	0.497646
ERVMER34	ENSG0000	0.541722	2.647579	4.39598	0.000371	0.002125	-0.05027	1.826927	1.849715	2.049454	2.063099	2.460774	1.956998	2.376953	2.702788	2.34318	3.818776	3.605665	3.707046	3.181815	2.950162	2.95373	4.21775	4.088867	4.143528
DANCR	ENSG0000	0.228596	4.845047	1.673546	0.112022	0.195195	-5.7752	4.825019	4.673038	4.720675	5.404628	5.3917	5.230878	5.55111	5.38452	5.463015	4.766072	4.634494	4.801266	4.592186	4.729072	4.554478	4.458278	4.455636	4.525965
NCKAP5-A!	ENSG0000	-0.2664	-1.28874	-1.04166	0.311764	0.431531	-5.37035	3.223781	3.182839	2.94999	2.103714	1.996426	2.5075	2.513265	2.916694	2.959482	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC00511	ENSG0000	-0.21923	4.706685	-1.67766	0.111205	0.194084	-5.97064	3.603403	3.57841	3.576275	2.325974	2.117603	2.029614	2.576877	2.728183	2.471058	6.855742	6.847003	6.946749	7.019505	7.038521	7.060093	6.839067	6.852118	6.690101
GTF2IP7	ENSG0000	-0.58122	1.598284	-2.56084	0.019955	0.050242	-3.68602	2.917019	2.513665	2.720234	1.182548	1.2379	0.657796	1.525136	1.15884	1.314712	3.002038	3.241771	2.930089	1.336984	1.738515	1.639204	3.083983	3.009816	2.863849
ITGB2-AS1	ENSG0000	-0.49771	-0.64992	-2.41546	0.026919	0.063605	-3.66736	0.318509	0.410755	0.219246	0.106501	0.512209	0.2349	0.269385	0.253663	0.256032	2.14259	2.193623	1.969371	1.420179	1.462417	1.488568	1.65509	1.613793	1.775544
WDR46	ENSG0000	-0.12896	6.457036	-2.53292	0.021144	0.052556	-4.5787	5.881091	5.893992	5.943608	5.7563	6.03393	5.727543	5.67619	5.575011	5.657027	7.118274	7.069303	7.191054	7.28619	7.227559	7.272681	7.060054	7.134424	7.060886
RPL41P1	ENSG0000	0.035456	3.80797	0.431783	0.671178	0.763385	-6.85618	3.895419	3.628412	3.854572	3.753334	3.560502	3.59692	4.000319	3.786013	3.832397	4.146251	4.061483	3.848714	4.17569	4.084346	4.109334	3.917673	4.041704	4.115895
Z98257.1	ENSG0000	0.062584	-1.67947	0.41783	0.681159	0.771323	-6.04098	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.865926	1.467416	1.60868	1.498836	1.393161	1.284217	1.627702	1.478665	1.665483
AC005912.	ENSG0000	-0.17809	2.03205	-0.8062	0.43096	0.552192	-6.06135	2.483604	2.232543	2.739267	3.103249	3.033076	2.845893	3.027514	2.540248	2.408535	2.510897	2.42184	1.915176	2.096181	1.921808	2.036756	1.903678	1.442809	2.119598
RPS28P7	ENSG0000	-0.14877	0.356701	-0.53209	0.601362	0.704259	-5.9163	1.430644	1.465573	1.453818	1.519216	1.373859	1.475193	1.816207	1.082132	1.873138	1.646779	0.748206	1.126631	0.745413	1.077171	1.002253	0.837776	1.072305	0.734116
ZNF717	ENSG0000	0.325991	2.707531	1.899756	0.074094	0.14154	-4.91799	2.867343	2.836538	2.848472	2.840308	2.970101	2.629332	3.219115	2.981485	2.798137	2.510897	2.817048	2.328504	3.436163	3.453829	3.404467	3.083983	2.784842	2.830235
WASH7P	ENSG0000	-0.21882	1.297081	-1.04538	0.310092	0.429801	-5.75873	2.165157	2.125186	1.888281	1.256461	1.373859	1.623325	2.545421	2.029503	2.047395	2.163418	1.777644	1.820066	1.858352	1.622273	1.826726	1.599785	1.547811	1.461048
SPANXB1	ENSG0000	-0.8915	0.120746	-3.94016	0.001008	0.004715	-0.96556	0.216396	0.106501	0.219246	0.106501	0.389229	0.2349	0.415731	0.253663	0.106501	4.541844	4.292151	4.527922	2.162115	2.433888	2.574402	3.478269	3.511821	3.55117
AC012063.	ENSG0000	-0.02662	-0.07181	-0.12649	0.900786	0.934239	-6.16935	0.587539	0.316291	0.323815	0.258133	0.730585	0.909432	0.415731	0.509405	0.515351	1.891119	1.8028	1.696985	1.858352	2.10622	2.036756	1.681967	1.707432	1.626848
KLLN	ENSG0000	0.242885	0.78919	0.865895	0.398278	0.519714	-5.67101	2.884092	2.784561	2.720234	2.740812	2.835252	2.94309	2.981245	3.3682	3.084728	0.483018	0.986408	0.499259	0.5125	0.550009	0.812339	0.326864	0.504542	0.872651
KRT16P2	ENSG0000	0.312761	-0.17256	2.54541	0.020604	0.05152	-4.00803	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.513734	4.427694	4.358889	2.892375	2.811056	3.042931	4.63373	4.710599	4.82371
PARG	ENSG0000	-0.17796	5.345182	-3.82712	0.001292	0.005746	-1.66075	5.689529	5.809819	5.683566	5.664257	5.613956	5.705548	5.519082	5.676339	5.657027	5.302841	5.203192	5.206703	4.996315	5.10974	5.044848	4.994249	4.996855	5.007873
RBM26-AS	ENSG0000	-1.08471	0.499595	-5.456	3.88E-05	0.000365	2.374658	1.602421	1.744817	2.079636	0.635873	0.625525	0.984419	0.886508	0.726566	0.925731	1.76051	1.945166	2.088428	1.308151	1.320413	1.284217	1.214313	1.547811	1.546329
TP73-AS1	ENSG0000	-0.03119	4.310527	-0.43657	0.667765	0.761183	-6.96306	4.478633	4.527784	4.215584	4.082842	4.258538	4.330328	4.302704	4.428995	4.41276	4.438829	4.45968	4.362268	4.480326	4.407733	4.558265	4.442647	4.258317	4.467038
KIF9-AS1	ENSG0000	0.590026	-0.0645	2.226593	0.039389	0.085887	-3.88283	0.41387	0.736739	0.421314	1.104644	1.006428	1.055701	0.782422	1.082132	1.171446	1.158593	1.335727	1.126631	1.121891	1.120667	1.08859	1.099384	1.547811	1.170016
LINC01806	ENSG0000	-0.23073	2.838134	-3.48436	0.002743	0.010481	-2.07843	1.990546	2.232543	2.274882	2.21912	1.768674	1.956998	1.917967	1.901414	1.918715	4.172174	4.190981	4.260892	4.238165	4.264807	4.333621	4.01601	3.992947	4.029672
AKR1B15	ENSG0000	0.803642	1.163738	3.568883	0.002279	0.008972	-1.48849	1.286899	1.173893	0.964748	1.74141	1.437317	1.714252	1.525136	1.15884	1.564539	1.940223	2.053933	1.933468	1.711947	1.652223	1.51998	2.807136	2.755911	2.528753
SCAMP4	ENSG0000	0.007823	6.392565	0.105517	0.917168	0.945308	-7.40615	6.320107	6.260292	6.365652	6.70933	6.728993	6.65373	6.684577	6.425243	6.582599	6.313634	6.157786	6.370587	6.620596	6.408816	6.548502	6.102439	6.110153	6.024978
SLC2A1-AS	ENSG0000	0.586632	0.017044	2.292803	0.034508	0.07745	-3.7176	1.12723	1.277811	1.146821	1.634586	1.612488	1.475193	1.317361	1.658879	1.674905	0.415169	0.848253	0.726056	0.869014	0.938214	0.470356	0.686723	0.924142	0.93723
DNAJC9-A!	ENSG0000	-0.44475	-0.03126	-1.5088	0.149214	0.243665	-5.03871	0.587539	0.8079	0.964748	1.182548	0.389229	0.461789	0.983587	0.253663	0.925731	1.555182	1.529011	1.46518	1.667235	1.591687	1.639204	1.058946	1.289746	1.370407
AP001324.	ENSG0000	-0.02573	2.983272	-0.26122	0.796973	0.859295	-6.5983	3.738482	3.61855	3.736403	3.77864	3.722109	3.535905	3.676552	3.736817	3.879258	2.881509	2.753956	2.627101	2.385571	2.756951	2.497588	2.494877	2.711397	2.629903
AL391056.	ENSG0000	1.150618	1.03446	4.169492	0.000609	0.003138	-0.15893	1.826927	1.670392	1.453818	3.863871	4.051057	4.138446	2.806512	2.451551	3.064594	0.54782	0.462741	0.846782	1.308151	1.393161	1.08859	0.686723	0.816175	0.734116
SOX21-AS1	ENSG0000	-0.74952	0.802607	-2.84033	0.011081	0.031554	-2.89608	1.561356	1.173893	1.62731	1.104644	1.612488	1.526279	0.670238	1.001115	0.629397	2.282443	2.212518	2.104662	1.248697	1.793303	1.320349	1.903678	1.707432	1.973284
ZNF731P	ENSG0000	-0.42637	3.584623	-4.11737	0.000683	0.003437	-0.67399	4.252223	4.12982	4.095173	3.863871	3.796595	3.878271	3.719464	3.913244	3.681923	3.798946	3.986619	3.464463	3.5452	3.088026	3.509921	3.26375	3.37582	3.364179
PKD1P2	ENSG0000	0.035799	1.704158	0.323376	0.750248	0.825029	-6.74218	0.882475	0.875715	0.898566	0.934951	1.006428	0.563119	0.886508	0.622068	1.171446	3.702624	3.947677	3.91004	3.942308	3.806595	3.831176	4.127753	3.890192	3.601852
AC007383.	ENSG0000	-0.11896	-0.17757	-0.50142	0.62233	0.722543	-5.91798	0.587539	0.661886	0.421314	0.635873	1.087782	0.830331	0.548589	0.622068	1.171446	1.388276	1.335727	1.277453	1.218025	1.393161	1.390007	1.099384	0.975239	1.058313
LINC01341	ENSG0000	0.606233	0.830824	2.082491	0.052281	0.10739	-4.09403	2.609804	2.655462	2.739267	3.815786	3.426184	3.926609	3.539581	3.302095	3.437684	0.669294	0.524532	0.34382	0.701742	0.671977	0.760679	0.257084	0.358227	0.497646
LINC01515	ENSG0000	-0.10089	1.282597	-0.47151	0.643109	0.740844	-6.11047	2.833249	2.693541	2.469799	1.888135	2.155834	1.880533	2.226405	2.255906	2.309357	1.352446	1.300837	1.061592	1.420179	1.462417	1.247156	1.214313	1.613793	1.665483
NA	ENSG0000	-0.25654	2.447861	-1.46312	0.161186	0.258649	-5.38729	3.520128	3.61855	3.618004	3.392671	3.878897	3.584921	3.632324	3.619579	3.60036	2.14259	1.989662	2.055402	2.009285	2.288901	2.220059	1.387593	1.707432	1.370407
AL031283.	ENSG0000	0.691689	-0.36651	2.28765	0.034867	0.078083	-3.69362	3.056542	3.142112	3.029452	3.325575	3.278066	3.572823	3.66196	3.521314	3.879258	0.190076	0.106501	0.16959	0.106501	0.190544	0.106501	0.183756	0.19538	0.214669
GEMIN8P4	ENSG0000	0.151627	0.077444	0.548988	0.589959	0.694331	-5.90075	0.503316	0.736739	1.146821	1.393812	1.164793	1.250575	0.983587	1.001115	0.925731	1.52331	1.029669	1.188864	1.121891	0.986036	1.046067	1.320757	0.924142	1.273688
AL512353.	ENSG0000	-0.83427	-0.00518	-5.11147	7.98E-05	0.000636	1.69259	1.430644	1.173893	1.146821	0.52061	0.625525	0.563119	0.983587	0.622068	0.735084	1.646779	1.55885	1.514616	0.982856	1.120667	1.08859	1.058946	1.024588	1.322858
GRASLND	ENSG0000	-0.52575	0.196868	-2.22325	0.039651	0.086379	-3.89759	1.642349	1.631689	1.62731	1.519216	1.437317	0.746642	1.160105	1.15884	1.01237	1.352446	1.07167	1.094478	0.701742	0.938214	0.593579	1.099384	1.118494	0.93723
HCG11	ENSG0000	-0.13572	2.411597	-1.61868	0.123419	0.210547	-5.52027	1.894617	1.744817	1.667608	1.578054	1.864131	1.526279	1.70672	2.147141	1.727075	3.857636	3.986619	3.809637	3.469097	3.552417	3.600863	3.6717	3.835933	3.581792
MT-ATP8	ENSG0000	0.414237	4.537677	3.844095	0.001245	0.005579	-1.45207	4.654895	4.424018	4.388298	5.009799	5.226392	4.983728	5.198536	4.933517	5.243285	4.355303	3.953305	4.09204	4.272153	4.686287	4.550681	4.267397	4.386537	4.229846
NA	ENSG0000	0.009338	1.806475	0.072356	0.943141	0.963295	-6.33887	1.791852	1.978677	2.138168	2.577385	2.549605	2.697781	2.102195	2.147141	2.005764	2.078238	1.672391	2.021603	2.706013	2.729118	2.76998	1.926335	1.851139	1.739782
PCAT6	ENSG0000	0.316516	0.873053	1.541371	0.141137	0.233173	-5.04234	1.235614	1.226787	1.256574	1.393812	1.996426	1.575618	1.588238	1.710758	1.620777	1.315703	1.112482	1.631268	1.954519	2.06228	1.775589	1.354562	1.645686	1.170016
FAM174C	ENSG0000	0.002061	5.232747	0.033922	0.973324	0.982568	-7.2283	5.557407	5.577561	5.750758	5.529135	5.568621	5.464914	5.609312	5.492201	5.559688	4.886838	4.922503	5.139353	4.912595	4.934974	4.839198	5.170659	5.077988	4.918728
AL669831.	ENSG0000	-0.85485	1.854279	-5.05221	9.05E-05	0.000703	1.522013	2.27083	2.152784	2.166567	1.393812	1.817192	1.956998	1.389995	1.430416	1.01237	2.804042	3.439177	2.920951	2.791825	2.863205	2.870883	2.692858	2.212266	2.528753
CCT6P1	ENSG0000	-0.2343	2.299266	-2.17298	0.043799	0.093436	-4.38604	2.461454	2.332462	2.661582	2.548252	2.490996	2.22781	2.26554	2.357042	2.471058	2.664903	2.865607	2.766268	2.822733	2.797719	3.042931	2.448672	2.447571	2.724423
LNC-LBCS	ENSG0000	-1.09209	0.761587	-4.53473	0.000275	0.001666	0.564524	2.19231	2.039077	1.54317	1.978268	1.996426	2.064596	1.074544	1.301009	1.38134	1.52331	1.300837	1.538714	1.667235	1.462417	1.284217	0.837776	1.289746	0.497646
LINC02474	ENSG0000	-1.11398	-0.72082	-5.31332	5.22E-05	0.000455	2.068466	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.303547	3.175905	2.930089	3.974777	3.981932	4.01878	1.833493	1.981819	2.252429
NA	ENSG0000	0.426584	0.438395	2.280749	0.035353	0.078886	-3.82793	1.18244	0.940485	1.202741	1.393812	1.307481	1.123626	0.983587	1.301009	1.620777	1.158593	1.112482	0.958181	1.27873	1.652223	1.639204	1.320757	1.329561	1.322858
OST4	ENSG0000	0.189557	7.132268	4.577034	0.000251	0.001552	-0.25024	6.828373	6.874671	6.856623	7.330558	7.449868	7.361253	7.141693	7.005467	7.141874	6.938126	6.961034	6.872848	7.500073	7.530883	7.58728	7.065167	7.105331	7.023265
C2orf92	ENSG0000	0.036465	0.028128	0.132871	0.895813	0.930572	-6.01966	0.814199	0.661886	0.964748	1.182548	1.164793	1.250575	0.415731	0.915275	1.01237	1.315703	1.300837	0.639567	1.621093	1.495836	1.320349	1.017342	1.118494	1.115245
AL513550.	ENSG0000	-0.35763	0.347382	-1.71029	0.104902	0.185513	-4.75948	1.336422	1.118985	1.54317	1.022291	0.828511	1.055701	0.886508	1.367163	1.01237	1.158593	1.498542	1.413989	1.121891	1.357245	1.667532	1.250674	1.024588	1.273688
MIR34AHG	ENSG0000	-0.25106	3.292717	-1.85405	0.080686	0.151431	-5.20639	3.408783	3.450822	3.075109	2.97776	2.633282	2.998412	3.219115	3.083395	3.340558	3.889238	3.842432	3.625013	4.015478	3.958151	3.928025	3.39949	3.347011	3.779675
CCDC183-/	ENSG0000	-0.14924	0.706928	-0.80765	0.43015	0.551401	-5.81156	1.519087	1.374745	1.453818	1.688986	1.164793	1.919272	1.459147	1.605065	1.314712	1.315703	1.369793	1.413989	1.446877	1.528499	1.423614	0.974502	1.442809	1.222783
FNDC10	ENSG0000	-0.2934	3.250015	-2.26487	0.036495	0.080915	-4.4177	3.58303	3.638208	3.576275	3.503067	3.670226	3.678224	2.933443	3.122225	2.670735	3.367773	3.494263	3.360144	3.557503	3.338827	3.525482	3.603046	3.431768	3.176297
ZNF883	ENSG0000	1.152637	-0.39098	6.129608	9.84E-06	0.000127	3.677244	0.106501	0.106501	0.219246	0.258133	0.25478	0.106501	0.106501	0.253663	0.256032	2.14259	2.212518	1.933468	3.197622	3.428092	3.478287	2.901634	3.116085	3.176297
FCF1P2	ENSG0000	0.301675	2.614719	2.958108	0.008614	0.025802	-2.89553	3.397161	3.370829	3.162305	3.20008	2.970101	3.18484	3.457463	3.605944	3.668646	2.204194	2.388995	2.286428	2.112949	2.363215	2.433049	2.666185	2.392244	2.549558
PROB1	ENSG0000	-0.33615	1.533945	-1.28807	0.214514	0.32287	-5.753	1.602421	0.8079	0.964748	1.634586	1.556428	1.623325	0.782422	0.622068	0.735084	3.394446	3.486521	3.663876	2.694919	2.416542	2.416453	3.290193	3.537548	3.121769
LINC02575	ENSG0000	0.486584	-0.85668	2.250286	0.037573	0.082816	-4.05378	0.216396	0.215206	0.106501	0.258133	0.106501	0.106501	0.269385	0.106501	0.106501	2.282443	1.8028	1.877881	2.162115	2.344993	2.161508	2.539649	2.233409	2.507643
DHFR	ENSG0000	-0.29093	5.793094	-3.03164	0.007353	0.022708	-3.48506	6.176225	6.092304	6.003871	5.49519	5.596688	5.550692	5.991301	5.916187	5.839908	6.377422	6.357747	6.327147	5.027605	5.051933	5.066284	5.905556	6.001889	6.000631
LINC02577	ENSG0000	0.286371	1.523919	1.140586	0.269431	0.386105	-5.746	1.235614	1.374745	1.146821	1.933905	1.006428	1.799787	1.70672	2.069791	2.087859	1.964162	2.155072	2.243088	2.940139	3.054776	3.206318	2.075685	2.078458	2.119598
MRPL45P2	ENSG0000	-0.12904	2.185786	-0.65698	0.519749	0.634283	-6.19764	3.300651	3.310847	3.231147	2.577385	2.605925	2.998412	3.158032	3.214961	3.162566	1.787595	2.032826	1.839597	2.162115	2.269709	2.121111	1.482378	2.054898	1.910335
LINC01128	ENSG0000	0.22288	3.635917	2.094516	0.051074	0.1055	-4.87516	3.520128	3.335139	3.204003	3.591402	3.560502	3.445903	3.904396	4.019913	3.82044	3.950439	4.061483	3.977706	3.90909	3.479115	3.831176	4.093128	3.948889	3.906054
AC064807.	ENSG0000	-0.2192	0.555324	-1.55273	0.138407	0.229822	-5.17754	0.882475	0.736739	0.756332	0.52061	0.92021	0.563119	0.670238	0.622068	0.629397	2.078238	2.355385	2.30059	2.412911	2.533802	2.121111	2.211015	1.981819	2.119598
SEPTIN7-D	ENSG0000	-0.05551	0.52059	-0.26382	0.795004	0.857562	-6.09094	1.069823	1.420874	1.499186	1.182548	1.437317	1.123626	1.160105	0.915275	1.38134	1.423238	1.265082	1.126631	1.838325	1.2438	1.610309	1.419885	1.368306	1.170016
UBAC2-AS	ENSG0000	-0.34153	0.723762	-1.22364	0.237328	0.349237	-5.52352	1.861169	1.849715	1.667608	0.635873	0.828511	0.746642	0.886508	1.231675	1.244857	1.352446	1.699433	1.896649	1.954519	1.793303	1.775589	1.759719	1.547811	1.739782
AC107419.	ENSG0000	-0.37815	-1.45623	-1.47741	0.157358	0.254024	-5.05048	0.216396	0.316291	0.219246	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	1.352446	1.300837	1.305813	1.667235	1.622273	1.284217	1.214313	1.024588	1.273688
LINC02041	ENSG0000	-0.16427	0.099809	-0.66645	0.513827	0.628786	-6.17455	0.503316	0.410755	0.829201	0.258133	0.106501	0.3528	0.415731	0.509405	0.39151	2.47802	2.249583	2.136592	2.791825	2.671787	2.743612	1.970607	2.274787	2.277588
SATB1-AS1	ENSG0000	0.292571	-1.20087	1.600339	0.127442	0.215808	-5.04876	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.586365	2.032826	1.759838	2.986372	2.901116	3.053703	1.85727	2.233409	1.81044
NA	ENSG0000	-0.50922	1.806521	-3.60636	0.002099	0.008392	-1.48048	2.109269	2.283367	2.492412	1.74141	1.768674	1.623325	1.816207	1.760835	2.127218	2.722179	2.500824	2.460504	2.491955	2.612083	2.449456	1.992244	2.233409	2.252429
ZFAND2A-I	ENSG0000	-0.73948	2.296324	-5.4126	4.24E-05	0.000391	2.266899	3.810347	3.714268	3.55495	2.97776	2.605925	2.5075	2.806512	2.938616	2.915195	2.527059	2.469748	2.198406	1.916818	1.897007	2.014873	1.926335	2.146913	1.844513
RPL41	ENSG0000	0.080985	8.356731	2.028205	0.058061	0.11677	-5.64245	8.598126	8.541658	8.561186	8.603083	8.654714	8.56748	8.69308	8.59965	8.675358	8.152285	8.042872	7.972582	8.080842	8.172863	8.200776	8.021056	8.176058	8.190789
AC026403.	ENSG0000	-0.08433	1.308679	-0.30454	0.76431	0.834886	-6.13835	2.505419	2.152784	2.848472	2.97776	2.762786	2.557474	2.908934	2.568641	2.697131	1.76051	1.498542	1.126631	1.054048	0.837535	1.209118	0.837776	1.289746	0.872651
VIM-AS1	ENSG0000	-0.10617	1.29107	-0.28934	0.775724	0.842771	-6.28847	2.021155	1.849715	1.62731	1.104644	1.307481	1.310092	0.886508	1.15884	1.01237	1.814181	1.851833	1.514616	3.456014	3.410675	3.404467	1.926335	1.981819	2.033602
ANKRD10-I	ENSG0000	-0.67922	0.532818	-2.67842	0.015609	0.041431	-3.12659	1.12723	1.226787	1.146821	1.688986	0.92021	1.250575	0.548589	1.001115	1.445026	1.787595	1.777644	1.305813	1.733794	2.06228	1.970087	1.017342	1.16325	1.115245
EPHA1-AS1	ENSG0000	-0.43113	0.089779	-1.7292	0.101394	0.180813	-4.94421	0.882475	1.002471	0.512639	0.258133	0.106501	0.3528	0.415731	0.915275	0.629397	2.282443	2.115463	2.422156	1.878105	1.793303	2.161508	1.85727	1.930959	2.033602
AC114488.	ENSG0000	-0.34127	-1.62083	-1.59465	0.128713	0.217315	-4.91273	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.616888	1.588084	1.49011	1.689764	1.560439	1.851631	1.65509	1.118494	1.058313
AC006001.	ENSG0000	-0.16496	1.601937	-0.85347	0.404944	0.526676	-5.93527	1.861169	1.465573	1.888281	2.577385	2.490996	2.581827	1.70672	1.760835	2.239236	1.964162	2.249583	1.839597	2.42639	2.467968	2.200805	1.85727	1.329561	1.844513
KRT8P12	ENSG0000	-0.12284	2.633674	-1.34682	0.195245	0.299308	-5.88226	1.755904	2.258179	1.853768	2.021307	2.117603	2.098749	2.26554	1.85606	2.274723	3.844798	3.767745	3.738597	3.783794	3.933972	3.886451	3.691675	3.529023	3.509302
DPY19L1P1	ENSG0000	0.152877	2.501625	0.953822	0.35318	0.474471	-6.06455	2.668993	2.836538	2.558197	3.123142	3.225109	3.349911	3.238915	3.141256	3.254305	2.527059	2.841532	2.34226	2.42639	2.596763	2.465679	2.135245	2.447571	2.374055
SFTA3	ENSG0000	-0.39609	-0.3717	-4.12799	0.000667	0.003375	-0.53053	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.560679	3.584062	3.691009	4.102013	4.1851	4.114488	3.218571	3.225651	3.093712
PATL2	ENSG0000	0.086688	-1.01993	0.250931	0.804794	0.865242	-6.05572	0.106501	0.215206	0.219246	0.395333	0.106501	0.2349	0.106501	0.509405	0.39151	1.352446	1.369793	1.46518	2.062048	1.871771	1.923865	1.099384	1.16325	1.504318
PANK2-AS	ENSG0000	-0.3681	0.84889	-2.08636	0.05189	0.10674	-4.40232	1.069823	1.002471	0.964748	0.635873	1.006428	0.461789	0.983587	0.824004	0.735084	2.356666	2.338281	2.581432	2.694919	2.824271	2.559363	2.247458	1.981819	2.174206
NKX1-2	ENSG0000	-0.1492	1.95612	-1.39703	0.179889	0.281464	-6.25435	0.318509	0.316291	0.323815	0.395333	0.512209	0.461789	0.106501	0.106501	0.106501	6.703185	6.52202	6.685893	6.4927	6.328781	6.389653	6.643559	6.487651	6.485333
LINC01204	ENSG0000	-0.93468	0.039026	-2.74609	0.013535	0.037057	-3.06109	1.642349	1.465573	1.256574	0.258133	0.389229	0.563119	0.269385	0.253663	0.256032	1.840286	2.249583	1.969371	1.573426	1.393161	1.423614	1.970607	1.981819	1.665483
RPL4P4	ENSG0000	0.280148	1.292636	1.15696	0.262857	0.378744	-5.54982	1.791852	1.947501	2.248556	2.740812	2.490996	2.258349	3.027514	2.184314	2.239236	1.76051	1.467416	1.126631	1.308151	1.462417	1.247156	1.250674	1.513652	1.170016
NAMPTP1	ENSG0000	0.668983	-0.62341	1.647372	0.117341	0.202409	-4.61554	1.519087	1.670392	1.818408	2.181668	2.03796	1.919272	1.70672	2.184314	1.962896	0.106501	0.462741	0.16959	0.352262	0.416769	0.186984	0.257084	0.433238	0.409347
ITGB1-DT	ENSG0000	-0.31447	0.13841	-0.7937	0.438012	0.559165	-5.62564	2.392887	2.308123	2.446827	2.143217	2.460774	2.258349	2.102195	2.389238	2.616448	0.669294	0.462741	0.76743	0.352262	0.484926	0.404558	0.686723	0.433238	0.106501
RPL26P6	ENSG0000	-0.04244	0.106948	-0.19097	0.850747	0.899429	-5.97389	1.18244	1.465573	1.78216	1.519216	1.612488	1.575618	1.317361	1.710758	1.777424	0.982259	0.848253	0.807652	0.610222	0.550009	0.760679	0.738851	0.69947	0.659518
AC009237.	ENSG0000	0.280706	0.147894	3.726253	0.001613	0.006826	-1.60049	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.054455	4.369954	4.29666	5.034222	5.115127	5.171406	4.507942	4.592839	4.38838
NA	ENSG0000	0.51686	1.507025	3.468488	0.002841	0.010774	-1.73044	1.336422	1.277811	1.744977	1.578054	1.666451	1.956998	1.70672	1.901414	1.826075	1.98771	2.437987	1.951531	2.112949	2.039797	2.497588	2.464239	2.500854	2.528753
ZNF688	ENSG0000	0.137531	1.976366	1.089619	0.290677	0.409021	-5.96607	1.681202	1.81559	1.54317	2.103714	1.817192	1.880533	1.317361	1.491012	1.171446	2.708071	2.618839	2.966075	3.449427	3.410675	3.437743	3.073871	2.972579	3.176297
ATXN1-AS1	ENSG0000	-0.35863	-0.11126	-2.00877	0.060267	0.120272	-4.23109	0.667115	0.661886	0.598525	0.934951	1.164793	0.909432	0.670238	0.509405	0.39151	1.352446	1.435603	0.958181	1.733794	1.766169	1.695314	1.017342	1.024588	1.058313
TFAP2A-AS	ENSG0000	-0.28118	1.17343	-1.61907	0.123335	0.210428	-4.94593	2.137484	2.206444	1.888281	2.518519	2.264801	2.317553	1.917967	1.988058	2.165532	1.423238	1.529011	1.49011	1.548989	1.077171	1.610309	1.177011	1.072305	1.222783
AL590666.	ENSG0000	-0.27198	4.094704	-2.15935	0.044991	0.095343	-4.74371	5.256622	5.369848	5.541709	4.733909	4.478119	4.633822	5.198536	4.825892	5.036597	3.358771	3.406729	3.495574	3.449427	3.401888	3.281558	3.39949	3.413359	3.228839
AC007128.	ENSG0000	0.577692	4.09E-05	2.036425	0.05715	0.115231	-4.12809	1.18244	1.508929	1.30847	1.74141	1.437317	1.757653	1.816207	1.988058	1.873138	0.609835	0.583785	0.594297	1.088368	0.416769	0.593579	0.686723	0.816175	0.409347
PRRT3-AS1	ENSG0000	-0.09432	1.177785	-0.72793	0.476295	0.595442	-6.02988	1.894617	1.849715	1.62731	1.457877	1.666451	1.422231	1.917967	1.945386	1.564539	2.033684	1.851833	2.038602	1.621093	1.320413	1.390007	1.880661	1.795362	1.844513
ACBD6	ENSG0000	0.102081	6.271359	1.148097	0.2664	0.382648	-6.69997	7.215934	7.211279	7.333683	6.756263	6.584058	6.609997	7.420556	7.420078	7.395639	5.430762	5.625972	5.478369	5.358113	5.370673	5.459595	5.533662	5.558198	5.528997
AL450405.	ENSG0000	-0.20759	0.854188	-1.03616	0.314251	0.433962	-5.6454	1.719036	1.744817	1.706811	1.326771	1.556428	1.526279	1.917967	1.605065	1.50602	1.787595	1.467416	1.158083	1.446877	1.393161	1.667532	1.017342	1.406038	1.370407
NFE4	ENSG0000	0.576047	2.943689	9.401446	2.97E-08	1.48E-06	9.246753	1.069823	1.277811	1.088647	1.457877	1.817192	1.623325	1.588238	1.710758	1.727075	4.871097	4.848932	4.786248	5.170617	5.160118	5.224807	5.255863	5.372937	5.478356
TPI1P2	ENSG0000	-0.40649	0.783545	-2.22402	0.03959	0.086287	-4.02067	1.602421	1.420874	1.78216	1.256461	0.828511	1.123626	1.240874	1.15884	1.445026	1.457372	1.8028	1.915176	1.548989	1.819936	1.695314	1.482378	1.478665	1.546329
AC004835.	ENSG0000	-0.15165	-0.60938	-1.02735	0.318266	0.438062	-6.01759	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	3.284659	3.278101	3.262236	2.977243	2.671787	2.782986	2.968656	3.149837	3.121769

SERPINB9P	ENSG0000	0.302583	0.564138	1.37526	0.186423	0.288769	-5.14234	1.561356	1.670392	1.406977	2.325974	2.264801	2.374422	1.917967	1.549165	2.005764	0.781331	0.799097	0.846782	0.787801	1.357245	1.08859	1.058946	0.871168	0.659518
NA	ENSG0000	-0.32476	4.330068	-1.65489	0.115791	0.200318	-5.56661	7.515086	7.39221	7.388209	4.938614	4.801196	4.864722	6.833623	6.720802	6.995353	3.08079	3.21391	3.077191	1.186687	1.282615	1.209118	3.793775	3.779553	3.571657
LRRC37A6I	ENSG0000	0.501958	-0.90804	2.260527	0.036813	0.081455	-3.97883	0.216396	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.253663	0.256032	2.01088	2.095243	1.73919	1.733794	1.766169	2.014873	2.095813	2.274787	2.277588
ANKRD18B	ENSG0000	-0.05903	-0.08941	-0.13101	0.897265	0.931536	-5.93079	1.894617	2.37994	2.351095	2.325974	2.117603	1.880533	2.376953	2.290412	2.005764	0.88529	0.640699	0.54756	0.171976	0.26996	0.106501	0.457048	0.504542	0.659518
PSMG3-AS	ENSG0000	-0.86142	4.123329	-4.18474	0.000589	0.003063	-0.63722	4.988842	4.917869	5.014266	4.218476	4.110665	4.10523	3.219115	3.318907	3.143496	4.261822	4.340194	4.286022	4.604095	4.604394	4.480563	4.122857	4.071361	4.022248
THAP7-AS1	ENSG0000	-0.4104	0.763314	-2.23709	0.038575	0.084474	-4.01414	1.336422	1.277811	1.202741	1.256461	0.730585	1.055701	1.240874	1.15884	0.925731	1.732907	2.115463	1.839597	2.096181	2.190279	1.876113	1.681967	1.581179	1.416439
AL645929.	ENSG0000	0.220866	-0.91364	0.880832	0.39036	0.512042	-5.86811	0.216396	0.215206	0.323815	0.106501	0.389229	0.106501	0.106501	0.106501	0.106501	1.76051	1.725977	1.933468	1.973006	1.897007	1.947161	2.075685	2.354144	2.350536
AC021078.	ENSG0000	0.190262	3.566427	1.832482	0.083973	0.155977	-5.30255	2.9807	3.286138	3.431666	3.21869	3.394558	3.584921	3.115825	3.605944	3.468658	3.844798	4.10258	3.641797	4.110387	4.220515	4.338034	3.945668	3.999132	4.163911
FTX	ENSG0000	0.452063	0.920709	2.262641	0.036658	0.081187	-3.88193	1.861169	1.81559	1.853768	2.021307	2.03796	2.164723	2.376953	1.945386	2.202855	1.028404	1.190799	0.807652	1.473091	1.077171	1.129895	0.974502	1.16325	1.665483
RPS23P8	ENSG0000	-0.37177	1.224422	-1.5426	0.14084	0.232789	-5.05981	2.320899	2.009193	2.720234	2.518519	2.398361	2.22781	2.376953	2.184314	2.202855	1.76051	1.644832	1.248523	1.186687	1.16289	1.355599	1.058946	1.513652	0.734116
AC140479.	ENSG0000	-0.72317	0.820058	-2.63572	0.017071	0.044362	-3.26127	2.021155	1.508929	2.018628	1.182548	1.437317	1.669505	1.317361	0.622068	1.171446	2.18395	1.851833	1.439812	1.365252	1.282615	1.390007	1.387593	1.878239	1.546329
AC018638.	ENSG0000	-0.64723	1.124603	-3.35133	0.003671	0.013141	-1.88742	1.990546	1.978677	2.166567	1.256461	1.437317	1.799787	1.074544	1.231675	1.38134	1.891119	1.967585	1.780195	1.667235	2.190279	1.775589	1.627702	1.851139	1.546329
LINC01001	ENSG0000	-0.45493	-0.58693	-1.46405	0.160934	0.25839	-5.07709	0.41387	0.736739	0.598525	0.395333	0.106501	0.909432	0.269385	0.387194	0.256032	1.278001	1.498542	1.585733	1.365252	1.495836	1.209118	1.387593	1.289746	1.273688
HLA-K	ENSG0000	0.427211	1.520401	3.281462	0.004276	0.014858	-2.7146	0.106501	0.736739	0.421314	0.106501	0.512209	0.461789	0.548589	0.387194	0.39151	5.288691	5.336211	5.281796	4.47385	4.312477	4.488525	5.802165	5.659306	5.647122
YY2	ENSG0000	1.317036	1.085111	4.674375	0.000203	0.001316	0.841259	2.109269	2.09705	2.221741	2.91067	2.299368	2.532704	3.115825	2.981485	3.00245	0.269074	0.695454	0.958181	0.945898	1.320413	1.08859	1.214313	1.547811	1.416439
FOXD3-AS1	ENSG0000	-0.14416	0.236446	-0.49783	0.624811	0.724689	-5.93008	0.947665	0.736739	1.358564	1.022291	1.909591	1.526279	0.670238	0.726566	1.0941	0.834246	1.300837	1.333627	1.597456	1.320413	1.320349	0.930351	1.442809	1.115245
ZNF674-AS	ENSG0000	-0.76406	2.699753	-5.617	2.78E-05	0.000278	2.594332	3.27548	3.323044	3.419917	2.48816	1.953662	2.258349	2.667326	2.981485	2.798137	3.471629	3.431133	3.445469	3.039964	3.020741	2.930541	2.625227	2.726388	2.760563
AC005077.	ENSG0000	-0.32546	3.603862	-1.43315	0.16946	0.268717	-6.02406	4.302931	4.34846	4.600923	2.605941	2.429905	2.164723	2.696258	2.650616	3.00245	4.346223	4.735932	4.840568	3.381853	3.560336	3.317756	5.072509	4.90431	4.557121
MIR205HG	ENSG0000	1.120272	-0.30907	12.89907	2.30E-10	3.77E-08	13.84052	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.002038	3.204502	2.948194	4.114557	4.078843	4.119623	4.000079	4.134537	4.242679
HSBP1	ENSG0000	-0.10761	7.455679	-1.83793	0.083133	0.154779	-5.89386	8.079146	8.049205	8.056079	7.725668	7.618485	7.601281	7.785323	7.747972	7.866703	7.096779	7.097531	7.060867	7.028371	7.05473	7.088526	7.116559	7.125263	7.162302
NA	ENSG0000	-0.483	2.42966	-3.71893	0.001639	0.006906	-1.32096	3.43175	2.91921	2.94999	2.81607	2.398361	2.402038	2.480375	2.894433	2.77354	2.843296	3.034402	2.796562	2.55467	2.398985	2.294605	2.35157	2.33471	2.724423
LINC02522	ENSG0000	0.075258	-0.27943	0.667271	0.513313	0.628319	-6.47782	0.106501	0.316291	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.544892	3.517242	3.445469	3.691919	3.560336	3.586098	3.552967	3.628139	3.601852
THBS3-AS1	ENSG0000	0.435365	0.473436	1.640397	0.118795	0.20431	-4.83829	0.742531	0.661886	0.964748	2.181668	1.718467	1.623325	0.415731	0.509405	0.925731	1.073118	1.190799	0.993481	2.452975	2.148862	2.34809	1.627702	1.613793	1.58715
HCG18	ENSG0000	0.083084	5.098404	1.598352	0.127885	0.21634	-6.00526	4.333741	4.548709	4.547936	4.784753	4.831037	4.793524	4.591583	4.583078	4.7071	5.564009	5.672774	5.555685	5.741807	5.694099	5.72012	5.664076	5.53284	5.726921
LINC01508	ENSG0000	0.034848	3.346409	0.322898	0.750603	0.825165	-6.75476	3.783815	3.714268	3.522358	3.325575	3.457132	3.200652	4.057185	3.89093	3.913431	3.446357	3.470912	3.543997	3.004458	3.213858	3.244428	3.094024	3.546022	3.375875
ZNF826P	ENSG0000	-0.16111	-0.70619	-1.31228	0.206398	0.312738	-5.73835	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.275122	3.509623	3.532043	2.385571	2.50126	2.513282	3.298901	3.171908	3.241681
CFAP58-DT	ENSG0000	0.508195	0.465489	1.511455	0.148542	0.242931	-4.94016	2.392887	2.448351	1.853768	2.740812	2.549605	2.675323	2.513265	2.960209	2.588518	0.415169	0.748206	0.726056	0.294634	0.612281	0.263213	0.63264	0.759002	0.734116
ANAPC1P2	ENSG0000	-0.0019	0.512453	-0.0109	0.991424	0.993936	-6.10684	1.235614	1.420874	1.62731	1.256461	1.437317	1.250575	1.389995	1.367163	1.50602	1.352446	1.07167	1.126631	1.420179	1.203912	1.320349	1.286141	0.924142	1.322858
SBK3	ENSG0000	-0.7355	0.305525	-2.57503	0.019375	0.049051	-3.48775	1.069823	1.465573	1.202741	0.258133	0.389229	0.3528	0.106501	0.509405	0.735084	2.461296	2.632935	2.510098	1.733794	1.846087	2.014873	2.479639	2.254246	1.942153
MAP4K3-D	ENSG0000	-0.26996	2.99941	-3.03009	0.007378	0.022774	-2.86205	3.465529	3.537122	3.717332	3.162124	3.151334	3.377995	3.050103	3.122225	3.306673	3.091698	3.034402	3.085394	3.066031	3.009215	3.085545	2.878584	3.022017	3.021085
WARS2-AS	ENSG0000	-0.29951	2.632857	-2.82131	0.011539	0.032572	-3.22253	2.9807	3.169391	3.044832	2.81607	2.57804	3.016392	2.779728	2.848856	2.616448	2.906434	3.175905	2.83599	2.802201	2.612083	2.976553	2.611312	2.827179	2.830235
HLA-DPA1	ENSG0000	-1.76169	-0.10629	-7.47488	7.64E-07	1.73E-05	5.566796	1.069823	1.173893	0.756332	0.934951	1.164793	1.250575	0.548589	0.622068	0.515351	1.352446	1.435603	1.562415	1.597456	1.681564	1.749324	0.457048	0.433238	0.580851
LINC00689	ENSG0000	0.260001	-1.58364	0.73138	0.474239	0.593445	-5.57948	2.245129	1.883052	2.351095	1.519216	1.498102	1.526279	2.303642	2.389238	1.962896	0.106501	0.106501	0.106501	0.106501	0.190544	0.106501	0.106501	0.19538	0.106501
WASIR2	ENSG0000	0.256899	-0.45814	0.657495	0.519428	0.63405	-5.98923	0.216396	0.410755	0.106501	0.52061	0.828511	0.106501	0.415731	0.915275	0.106501	1.840286	1.8028	1.969371	2.009285	2.084417	1.775589	1.85727	1.981819	1.844513
NA	ENSG0000	0.34367	-1.8163	1.840664	0.082713	0.154219	-4.52605	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.158593	1.112482	1.538714	1.473091	1.495836	1.247156	1.177011	1.795362	1.416439
RPS18	ENSG0000	-0.00993	9.797567	-0.23854	0.814235	0.872556	-7.66265	9.822623	9.802123	9.761629	9.651825	9.643145	9.601796	9.683772	9.736298	9.765591	9.93516	9.859049	9.767371	9.821671	9.927933	9.919116	9.825359	9.886187	9.975787
FAM225A	ENSG0000	-0.01971	-0.3982	-0.10102	0.920688	0.947839	-6.06699	0.742531	0.582935	0.323815	0.52061	0.389229	0.563119	0.415731	0.726566	0.515351	1.278001	1.403073	1.360915	1.054048	1.428204	1.320349	1.250674	1.368306	1.273688
LINC01249	ENSG0000	0.032915	-1.06516	0.166232	0.869882	0.912409	-6.28348	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	1.964162	2.193623	2.004401	2.466086	2.326537	2.465679	1.903678	2.030948	2.091498
FAHD2CP	ENSG0000	-0.30084	1.515624	-1.6002	0.127473	0.215835	-5.06171	2.296082	2.232543	2.166567	2.457149	2.299368	1.840725	2.186178	1.85606	2.165532	1.646779	1.899254	1.759838	2.009285	2.169719	2.058312	1.734264	1.67689	1.115245
DLEU2	ENSG0000	0.441358	1.68851	3.672173	0.001816	0.007505	-1.29795	1.959273	1.978677	1.853768	2.21912	1.864131	1.919272	2.376953	2.623806	2.408535	2.01088	1.922393	2.088428	1.954519	1.993753	1.970087	2.173627	2.392244	2.003758
COA6-AS1	ENSG0000	-0.6052	0.700434	-1.85524	0.080509	0.151377	-4.52941	1.927307	2.232543	1.987129	1.326771	1.498102	1.757653	2.102195	2.108984	2.34318	1.676063	1.369793	1.248523	1.365252	1.16289	0.812339	0.576451	0.759002	0.580851
AL033397.	ENSG0000	-0.04892	-0.13053	-0.16101	0.873936	0.91539	-6.12509	1.475543	1.374745	1.028027	0.742604	0.512209	0.563119	0.886508	1.367163	0.925731	1.676063	1.644832	1.46518	0.234608	0.26996	0.404558	1.599785	1.707432	1.910335
LINC-PINT	ENSG0000	-0.05344	1.907545	-0.38952	0.701593	0.787206	-6.21699	3.498536	3.298545	3.25779	3.20008	3.394558	3.200652	3.027514	3.178579	3.323715	1.158593	1.369793	1.333627	1.597456	1.495836	1.580823	1.512637	1.442809	1.370407
LINC01273	ENSG0000	-0.25596	0.602789	-1.26115	0.22383	0.333696	-5.3221	2.345296	2.068355	2.079636	1.326771	1.612488	1.799787	2.01302	1.945386	1.564539	0.834246	0.941811	1.061592	0.982856	1.077171	0.862212	0.837776	0.975239	1.058313
AC079922.	ENSG0000	0.070887	0.335473	0.236379	0.815886	0.8738	-6.02013	1.069823	1.708084	1.54317	1.022291	1.612488	2.029614	1.648695	1.710758	1.777424	1.388276	1.190799	0.726056	0.828978	0.7293	0.910419	0.884806	0.975239	0.734116
EMBP1	ENSG0000	0.20392	0.185462	1.011215	0.325709	0.445764	-5.94759	0.216396	0.410755	0.421314	0.258133	0.106501	0.657796	0.548589	0.387194	0.515351	2.392392	2.714733	2.460504	2.683738	2.863205	2.833866	2.583072	2.665466	2.629903
TMEM44-A	ENSG0000	-0.35321	2.624431	-3.02766	0.007416	0.022874	-2.8492	2.688195	2.425906	2.621113	2.143217	2.660129	2.402038	2.545421	2.511284	2.239236	3.284659	3.166245	3.406715	3.551365	3.591587	3.478287	2.957699	2.908298	2.880366
PIK3CD-AS	ENSG0000	-0.00425	1.252503	-0.03262	0.974345	0.982972	-6.58628	1.12723	0.499412	0.512639	0.934951	1.087782	0.746642	0.670238	0.915275	0.39151	3.196464	3.096753	3.093551	3.762697	3.68147	3.734067	3.16242	3.160915	3.050576
PCAT7	ENSG0000	-0.08776	1.492485	-0.46875	0.645045	0.742654	-6.28404	2.051128	1.591918	1.453818	1.457877	1.612488	1.714252	1.074544	1.15884	1.38134	2.033684	2.011405	2.422156	2.822733	2.974074	2.976553	2.135245	2.392244	2.464474
AL162377.	ENSG0000	-0.71995	-0.54936	-1.9575	0.066453	0.129834	-4.39693	0.742531	0.499412	0.598525	0.258133	0.512209	0.106501	0.269385	0.622068	0.106501	1.52331	1.467416	1.759838	1.973006	2.10622	1.826726	1.214313	1.329561	1.222783
TRAF3IP2-/	ENSG0000	-0.3106	0.704398	-1.49845	0.151859	0.247099	-5.05288	1.519087	1.508929	1.921989	1.888135	1.666451	2.22781	1.389995	1.491012	1.445026	1.388276	1.300837	1.305813	1.186687	0.888753	1.284217	1.13872	1.024588	1.273688
DARS1-AS1	ENSG0000	-0.03009	0.836539	-0.2184	0.82965	0.883624	-6.20873	1.18244	1.061904	1.146821	1.104644	1.307481	1.475193	1.160105	1.367163	1.50602	1.940223	1.752042	1.800268	1.838325	1.766169	1.876113	1.627702	1.707432	1.58715
TAPBP	ENSG0000	0.470161	7.134298	6.838527	2.48E-06	4.44E-05	4.451399	6.29371	6.423545	6.409383	7.213657	7.197228	7.115479	7.094929	7.085019	7.11765	7.033133	7.019206	7.132386	7.858074	7.805735	7.834127	7.37258	7.322519	7.288336
ANXA2P2	ENSG0000	-0.03752	1.587011	-0.17656	0.861884	0.907236	-6.23712	2.245129	2.55562	2.5366	2.933382	3.132285	2.697781	2.752438	2.324112	2.309357	1.76051	1.467416	1.387696	1.336984	1.428204	1.775589	1.13872	1.406038	1.910335
ZBED9	ENSG0000	-0.28648	2.69987	-2.20555	0.041068	0.08888	-4.47791	3.026682	2.836538	2.94999	2.48816	2.264801	2.196611	2.144798	2.324112	2.501332	3.437834	3.204502	3.290894	3.374919	3.544454	3.387537	3.094024	3.394711	3.189613
DCST1-AS1	ENSG0000	-0.26807	0.732452	-1.84367	0.082254	0.153705	-4.60629	1.642349	1.551021	1.954926	1.393812	1.2379	1.526279	1.317361	1.605065	1.50602	1.616888	1.435603	1.538714	1.154653	0.986036	1.284217	1.482378	1.329561	1.370407
AC012313.	ENSG0000	-0.50238	2.818634	-4.06523	0.000766	0.003768	-0.68097	3.026682	2.513665	3.119366	2.661411	2.71237	2.675323	2.513265	2.623806	2.127218	3.255856	3.605665	3.526028	3.563615	3.695921	3.760608	3.143207	3.069818	2.880366
TMA7	ENSG0000	-0.03544	6.721891	-1.00099	0.330491	0.450491	-6.95737	6.759694	6.755977	6.707559	6.645426	6.625516	6.564898	6.732502	6.696885	6.603683	6.863718	6.84549	6.863338	6.615456	6.722017	6.704457	6.785083	6.873319	6.882769
MCTS1	ENSG0000	-0.08935	6.038382	-1.65186	0.116414	0.201272	-6.03885	6.418244	6.484546	6.406409	6.038828	6.18946	6.111035	6.402418	6.59359	6.464636	6.031553	6.007657	5.928267	5.555029	5.530385	5.643753	5.752314	5.709209	5.84102
IMPDH1P1	ENSG0000	-0.58372	-0.29128	-1.6022	0.127028	0.215235	-4.93911	1.791852	1.420874	1.30847	0.52061	0.106501	0.2349	0.670238	0.622068	0.629397	1.676063	1.300837	1.219002	1.018891	0.888753	0.862212	1.387593	1.478665	1.170016
IGHV3-43	ENSG0000	0.262686	-1.93812	1.914843	0.072026	0.138271	-4.37816	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.116489	1.152172	1.158083	1.248697	1.495836	1.247156	1.354562	1.206659	1.115245
RPL4P2	ENSG0000	-0.0135	1.00538	-0.09628	0.924392	0.950196	-6.17996	2.109269	1.81559	1.888281	1.791994	1.666451	1.993763	1.762502	2.029503	1.826075	1.457372	1.403073	1.305813	1.088368	1.393161	1.423614	1.482378	1.368306	1.370407
AC015712.	ENSG0000	0.187313	-0.92107	0.586856	0.564804	0.674649	-6.03043	0.106501	0.106501	0.219246	0.106501	0.106501	0.2349	0.269385	0.387194	0.256032	1.646779	1.644832	1.759838	2.706013	2.517623	2.497588	1.387593	1.581179	1.739782
SMIM26	ENSG0000	-0.25778	4.265469	-4.68631	0.000198	0.001289	0.377667	4.284124	4.217373	4.301326	4.3081	4.030628	4.241401	3.916741	4.009594	4.112876	4.569418	4.712893	4.578198	4.521727	4.557684	4.667494	4.398766	4.395944	4.329449
AJM1	ENSG0000	0.075567	3.072011	0.679341	0.50582	0.621565	-6.38543	3.43175	3.628412	3.607684	4.272916	4.222966	4.194794	3.474265	3.431409	3.513908	2.427256	2.388995	2.756026	2.95881	3.054776	2.942182	2.855159	2.741225	2.668457
MHENCR	ENSG0000	-0.64945	1.719776	-2.40157	0.027692	0.065022	-3.81579	3.156438	3.347134	2.982302	1.688986	1.718467	1.623325	2.752438	2.702788	2.981126	2.282443	1.827525	2.088428	1.954519	1.622273	1.775589	1.286141	1.82352	1.222783
EMSLR	ENSG0000	-0.22442	3.833331	-2.58681	0.018906	0.048119	-3.96673	4.456406	4.629503	4.44736	3.80351	4.120365	3.907468	4.19533	4.316298	4.151567	3.818776	3.842432	4.147939	3.108457	3.301515	3.21594	3.756329	3.772348	3.914098
EEF1B2P3	ENSG0000	0.027684	-0.21405	0.075506	0.940669	0.961825	-5.94986	1.235614	0.8079	1.146821	1.256461	1.164793	1.123626	1.762502	1.231675	1.50602	1.199504	0.986408	0.594297	0.610222	0.837535	0.533283	0.576451	0.871168	0.315289
LINC02802	ENSG0000	0.009213	0.264496	0.041683	0.967224	0.978629	-5.95011	2.369288	2.125186	2.423483	2.577385	2.299368	2.288255	2.576877	2.029503	2.165532	0.34397	0.398185	0.639567	0.46104	0.612281	0.593579	0.576451	0.433238	0.497646
AC093673.	ENSG0000	-0.14474	2.453078	-1.5578	0.137204	0.228427	-5.41382	2.688195	2.674627	2.399755	2.457149	2.686486	2.532704	2.26554	2.676938	2.616448	2.856146	2.865607	2.992487	2.902055	3.020741	2.795875	2.692858	2.841019	2.724423
NA	ENSG0000	0.042573	2.975271	0.407601	0.688515	0.777191	-6.58095	3.541402	3.472886	3.204003	3.456785	3.34578	3.498018	3.33403	3.833587	3.4839	2.955028	3.034402	2.87437	2.770846	2.627242	2.833866	3.001034	2.854728	2.742606
RPL3P4	ENSG0000	0.080362	2.088231	0.378372	0.709711	0.794015	-6.31989	3.128595	2.655462	2.794903	3.487804	3.225109	2.825643	3.050103	2.894433	2.869505	2.14259	2.303453	1.538714	1.689764	1.591687	1.667532	1.734264	2.124453	2.14716
KIAA1614-.	ENSG0000	-0.15139	-0.27404	-0.46099	0.650491	0.747142	-5.97858	0.587539	0.940485	0.598525	0.52061	0.730585	0.830331	0.106501	0.387194	0.39151	1.116489	1.435603	1.360915	1.473091	1.528499	1.639204	1.512637	1.766644	1.546329
ZNF687-AS	ENSG0000	-0.3099	0.576663	-1.58829	0.130146	0.21924	-4.9463	1.475543	1.81559	1.499186	1.022291	1.612488	1.367251	1.317361	1.491012	0.925731	1.423238	1.369793	1.219002	1.336984	1.2438	1.320349	1.482378	1.206659	1.115245
LINC00665	ENSG0000	-0.07334	5.621919	-1.69715	0.107403	0.189043	-5.99831	4.265068	4.318312	4.388298	3.955484	3.934936	3.897801	4.079318	4.050434	4.16108	7.277807	7.232095	7.288423	7.181283	7.139112	7.194532	7.283801	7.200333	7.232336
LINC01705	ENSG0000	-1.06232	-1.09928	-4.24127	0.000521	0.002785	-0.09675	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	3.091698	3.044983	3.109727	1.524131	2.016959	1.900186	1.903678	2.078458	1.775544
AC211433.	ENSG0000	-0.10146	1.06506	-0.21671	0.830943	0.884538	-5.95743	5.754732	5.783578	5.803703	5.245847	5.034541	4.903882	5.736627	5.6164	5.869223	0.269074	0.106501	0.397516	0.171976	0.416769	0.335616	0.106501	0.19538	0.106501
AC002480.	ENSG0000	0.098593	2.684972	0.45812	0.652511	0.748797	-6.38145	3.903656	3.944869	4.057757	4.112999	4.213935	4.414089	4.13321	4.128801	3.946814	2.263275	2.095243	1.986992	1.336984	1.2438	1.580823	2.055273	2.274787	2.06284
SLCO4A1-A	ENSG0000	1.591659	-0.13693	4.619254	0.000229	0.001443	0.714947	1.602421	1.226787	1.202741	0.52061	0.730585	0.657796	2.226405	2.108984	2.005764	0.415169	0.398185	0.397516	0.828978	0.837535	0.651457	1.320757	1.072305	1.115245
PET117	ENSG0000	-0.07468	0.961562	-0.46151	0.650127	0.746815	-6.08893	1.642349	1.708084	1.62731	1.688986	1.556428	1.475193	1.459147	1.658879	1.50602	1.423238	1.752042	1.248523	1.711947	1.738515	1.876113	1.354562	1.406038	1.626848
LYRM9	ENSG0000	-1.14671	0.794707	-4.60063	0.000238	0.001489	0.688737	3.337603	3.128277	3.075109	2.740812	2.633282	2.605775	2.376953	2.420731	1.873138	0.88529	0.848253	0.726056	0.828978	0.784432	0.862212	0.257084	0.69947	0.580851
LINC00342	ENSG0000	0.051893	1.384422	0.230414	0.820446	0.876969	-6.32593	1.755904	1.374745	1.78216	1.578054	1.718467	1.526279	1.459147	1.001115	1.564539	1.865926	2.469748	1.60868	2.579013	2.686334	2.559363	1.85727	2.315011	2.419973
RPL23AP87	ENSG0000	0.079629	-1.04743	0.278953	0.783555	0.848631	-6.13894	0.318509	0.316291	0.219246	0.106501	0.106501	0.2349	0.269385	0.106501	0.106501	1.116489	1.777644	1.73919	1.498836	1.738515	1.970087	1.734264	1.795362	1.877799
SNHG15	ENSG0000	-0.42503	5.583113	-7.7178	4.94E-07	1.24E-05	6.254598	6.423982	6.231462	6.353352	5.436777	5.407631	5.294884	5.817858	5.876989	5.788664	5.766469	5.71148	5.731932	4.971246	5.063124	4.987015	5.482982	5.261569	5.467465
CYP1B1-AS	ENSG0000	0.188452	1.235428	1.206481	0.243709	0.356564	-5.48571	2.109269	1.883052	1.78216	2.181668	2.549605	2.317553	1.816207	1.901414	2.165532	1.352446	1.190799	1.248523	1.548989	1.681564	2.014873	1.419885	1.368306	1.58715
RGS5	ENSG0000	-0.27495	0.057866	-1.12007	0.277841	0.395294	-5.42677	1.286899	0.875715	1.146821	0.742604	1.164793	1.310092	1.240874	0.726566	1.171446	0.934589	0.986408	1.305813	1.121891	1.203912	1.355599	1.099384	0.759002	0.805046
MIR3936H	ENSG0000	-0.49216	1.055314	-1.5848	0.130937	0.220207	-4.95752	2.548084	2.748839	2.900124	2.143217	1.996426	2.029614	2.26554	1.760835	1.873138	0.88529	1.07167	0.846782	1.308151	1.495836	1.801384	1.214313	0.975239	0.93723
SNHG7	ENSG0000	-0.07523	5.98917	-0.98962	0.335863	0.456722	-6.83919	6.523553	6.553462	6.61141	6.375851	6.580549	6.442243	6.744671	6.717636	6.671815	5.737245	5.639998	5.768053	5.184566	5.280064	5.271695	5.448178	5.372937	5.33891
CCDC144N	ENSG0000	0.061051	1.285508	0.551115	0.588531	0.693337	-7.04096	0.216396	0.410755	0.421314	0.106501	0.106501	0.106501	0.106501	0.106501	0.515351	5.62347	5.757239	5.670552	5.790827	5.740146	5.769963	5.723497	5.805882	5.789478
AC008105.	ENSG0000	0.639299	-0.02687	1.752265	0.097253	0.174961	-4.57137	1.384302	1.226787	0.964748	1.104644	1.164793	1.623325	2.102195	1.658879	1.918715	0.415169	0.640699	0.846782	1.018891	0.888753	0.707101	0.517985	0.433238	1.115245
AC093157.	ENSG0000	-0.11985	2.25252	-0.69999	0.493145	0.610399	-6.23061	2.780548	2.655462	2.514675	2.999448	2.926537	2.980206	1.917967	2.069791	2.471058	2.605258	2.174476	2.328504	2.504718	2.467968	2.703134	2.625227	2.354144	2.687355
RNF224	ENSG0000	-0.01211	-0.70919	-0.05163	0.959411	0.974161	-6.34664	0.216396	0.106501	0.323815	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	2.078238	2.053933	2.228347	3.318207	3.292034	3.234995	2.417026	1.981819	2.226823
AC133785.	ENSG0000	-0.39946	-0.83626	-1.02357	0.319997	0.439722	-5.62023	0.814199	0.875715	0.898566	0.106501	0.106501	0.2349	0.106501	0.387194	0.256032	1.457372	1.228418	1.360915	0.982856	1.393161	1.284217	1.708352	1.406038	1.322858
AC016876.	ENSG0000	-0.30834	1.416765	-2.17426	0.043689	0.093306	-4.13525	2.165157	2.332462	2.274882	2.325974	2.193078	1.956998	1.966276	2.029503	1.826075	1.76051	1.644832	1.562415	1.711947	2.148862	1.775589	1.482378	1.513652	1.546329
GPX1	ENSG0000	0.053174	7.900024	0.680483	0.505114	0.620998	-7.33327	7.972567	7.977709	7.997508	7.433724	7.630413	7.422369	7.951282	7.893262	7.911776	7.883559	7.874754	8.065962	8.022132	8.003852	7.976435	8.189146	8.127828	7.979449
GTF2IP4	ENSG0000	-0.2348	4.40455	-3.77548	0.001447	0.006268	-1.51937	4.842264	4.929882	4.879222	5.59472	5.492239	5.464914	4.528631	4.690335	4.654189	3.818776	3.854512	3.905414	4.31626	4.274468	4.346819	3.588914	3.743163	3.716682
NKAPP1	ENSG0000	0.04663	0.072904	0.191615	0.850252	0.899246	-6.0066	0.947665	1.173893	1.028027	1.519216	1.164793	0.984419	0.670238	1.231675	0.735084	0.934589	0.799097	0.993481	1.420179	1.495836	1.08859	1.320757	0.871168	1.058313
LINC01719	ENSG0000	0.060553	1.86252	0.401389	0.692999	0.780329	-6.4136	1.642349	1.374745	1.453818	2.21912	2.155834	2.164723	1.240874	1.082132	1.445026	2.461296	2.980302	2.581432	3.288992	3.292034	3.147195	2.794876	3.046116	2.668457
EIF3FP3	ENSG0000	-0.1672	0.172722	-0.70622	0.489362	0.606982	-5.74522	1.235614	1.591918	1.358564	1.256461	1.953662	1.575618	1.317361	1.491012	1.50602	0.781331	0.799097	0.884879	1.054048	0.888753	1.284217	0.63264	0.816175	0.497646
AL445524.	ENSG0000	-0.13296	2.78741	-0.83116	0.417096	0.538915	-6.2738	3.887134	3.829904	3.668523	2.91067	2.762786	2.805104	3.705302	3.646467	3.808383	2.605258	2.590228	2.86487	2.529911	2.451029	2.465679	2.878584	2.535313	2.14716
EEF1A1P6	ENSG0000	-0.22579	1.338784	-0.95683	0.3517	0.472929	-5.78351	2.369288	2.55562	2.446827	2.688367	1.953662	2.064596	2.576877	2.108984	2.34318	2.078238	1.875739	1.061592	1.218025	1.2438	1.129895	1.354562	1.406038	1.370407
TMEM238	ENSG0000	0.723485	1.091662	3.681926	0.001778	0.007365	-1.34609	0.503316	0.875715	1.088647	0.841981	1.087782	0.746642	0.670238	1.001115	0.515351	2.01088	2.546219	2.510098	3.236398	3.401888	3.244428	3.333216	3.225651	2.724423
ZNF529-AS	ENSG0000	0.03662	1.55476	0.258556	0.798998	0.860567	-6.45527	1.430644	1.508929	1.921989	1.104644	1.498102	1.055701	1.762502	1.491012	1.777424	2.558849	2.516115	2.522234	2.649667	2.642244	2.465679	2.384669	2.680939	2.59029
LINC00460	ENSG0000	0.200589	0.415614	0.984185	0.338453	0.459498	-5.79964	1.602421	1.277811	1.818408	0.258133	0.512209	0.657796	1.389995	1.082132	1.38134	1.676063	1.588084	1.718241	0.907968	1.120667	0.957066	1.970607	2.030948	2.119598
AC011294.	ENSG0000	-0.6068	-1.41311	-3.52508	0.002509	0.009721	-1.50681	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.14259	2.095243	2.314614	1.954519	2.06228	1.923865	1.542275	1.368306	1.81044
LINC00513	ENSG0000	-0.47204	0.934191	-2.45155	0.025003	0.060014	-3.54002	2.165157	2.513665	2.221741	2.359902	2.264801	2.455733	1.816207	1.760835	2.239236	1.315703	1.369793	1.061592	0.982856	0.784432	1.129895	1.058946	0.924142	0.93723
LINC02609	ENSG0000	-0.13979	0.622295	-0.52629	0.6053	0.707707	-5.95457	2.137484	1.744817	2.018628	1.326771	1.612488	1.310092	2.376953	1.710758	2.005764	0.982259	0.941811	1.219002	1.218025	1.203912	1.08859	1.058946	0.871168	0.659518
TWIST2	ENSG0000	0.757478	-0.79398	2.753996	0.01331	0.036541	-2.8696	2.725848	2.870177	2.776595	4.464421	4.507984	4.330328	3.490873	3.446787	3.614278	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC01137	ENSG0000	0.18019	2.570867	1.805155	0.088307	0.161852	-5.0286	2.850396	3.042358	2.600444	2.840308	2.881616	3.136338	3.19904	3.214961	2.959482	2.589954	2.590228	2.682227	2.717023	2.581279	2.618601	2.625227	2.680939	2.687355
GAS6-AS1	ENSG0000	-0.18436	3.08679	-2.85929	0.010642	0.030536	-3.51331	1.642349	1.744817	1.54317	2.063099	2.117603	2.098749	1.525136	1.85606	1.445026	4.945135	5.032928	4.852633	5.168614	5.185942	5.231938	4.657623	4.73304	4.869935
AC092835.	ENSG0000	0.474651	-0.32433	1.802602	0.088721	0.162382	-4.72339	0.318509	0.316291	0.421314	0.52061	0.106501	0.2349	0.548589	0.622068	0.515351	1.457372	1.8028	1.67541	1.755315	1.871771	2.058312	1.571317	2.030948	2.226823
RPS15P4	ENSG0000	-0.12351	1.698698	-0.50103	0.622604	0.722547	-6.1606	2.649532	2.674627	2.812981	2.97776	2.762786	2.455733	3.094248	2.568641	2.915195	2.100009	1.827525	1.360915	1.797417	1.16289	1.488568	0.974502	1.67689	1.504318
AL589843.	ENSG0000	-0.12474	-1.51055	-0.92394	0.368097	0.48989	-5.76272	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.964162	1.725977	1.969371	1.776519	1.738515	1.667532	1.599785	1.82352	1.626848
H2BC15	ENSG0000	-0.24731	1.846945	-1.62125	0.122864	0.209826	-5.19323	2.392887	2.534795	2.37563	1.840866	2.03796	1.919272	2.186178	1.605065	2.005764	2.427256	2.485369	2.286428	2.225168	1.897007	2.544166	2.479639	2.295039	2.397196
AC005083.	ENSG0000	-0.36473	2.799911	-2.43146	0.026053	0.062012	-4.07619	3.210562	3.417081	3.148134	2.255624	2.264801	2.429135	2.480375	2.623806	2.77354	3.403229	3.241771	3.297971	3.442811	3.193633	3.517722	3.16242	3.127424	3.162857
AC139769.	ENSG0000	0.082556	-1.0467	0.809263	0.429243	0.550785	-6.03984	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.37464	2.500824	2.198406	2.694919	2.686334	2.675503	2.300453	2.410923	2.350536
NA	ENSG0000	-0.24841	2.931922	-2.16537	0.04446	0.094586	-4.57099	3.300651	3.07157	3.204003	2.97776	2.398361	2.885561	2.696258	2.938616	2.723053	3.496465	3.348126	3.203153	3.501296	3.366191	3.361763	3.133504	3.297679	3.241681
NA	ENSG0000	-0.35086	0.217019	-1.37811	0.185556	0.287709	-5.2287	0.503316	1.061904	0.898566	1.022291	1.087782	0.984419	0.415731	1.082132	0.515351	1.840286	1.672391	1.631268	1.597456	1.203912	1.580823	1.512637	1.613793	1.322858
LINC01503	ENSG0000	-0.10515	2.543889	-0.64642	0.526405	0.639781	-6.3131	3.313074	3.169391	3.231147	3.425084	3.426184	3.391835	2.806512	2.777669	2.670735	2.444376	2.155072	2.409144	2.399306	2.23054	2.465679	2.524879	2.665466	2.724423
NA	ENSG0000	-0.45015	0.748309	-3.03716	0.007266	0.022498	-2.54149	1.602421	1.374745	1.30847	0.635873	0.828511	0.984419	0.983587	1.001115	0.833554	2.078238	1.989662	2.16783	1.916818	1.766169	1.801384	1.970607	1.90484	1.739782
LINC01694	ENSG0000	0.711956	0.954481	3.919847	0.001054	0.00488	-0.78142	0.667115	0.661886	0.512639	0.934951	1.307481	0.830331	1.588238	1.231675	1.445026	2.14259	2.469748	2.30059	2.044674	2.169719	2.18129	2.679583	2.680939	2.464474
RPS28	ENSG0000	-0.03574	7.531085	-0.95618	0.352023	0.473319	-7.04705	8.114618	8.094825	8.139482	7.997617	8.128455	7.991018	8.128906	8.105565	8.156717	7.039485	6.990071	7.011677	7.025052	7.011336	7.005657	6.953098	6.894213	6.928161
KRTAP5-AS	ENSG0000	0.357014	-1.01729	0.750881	0.462715	0.582834	-5.53588	1.681202	1.849715	1.818408	1.688986	1.437317	1.367251	1.525136	1.367163	1.620777	0.106501	0.106501	0.16959	0.46104	0.345231	0.404558	0.326864	0.2791	0.214669
CTC-338M	ENSG0000	-0.6137	2.305824	-3.60329	0.002113	0.008428	-1.60395	2.505419	2.513665	2.848472	1.634586	1.909591	1.757653	2.058296	2.728183	2.501332	3.08079	3.287042	3.247691	3.066031	2.962168	3.032078	2.448672	2.568968	2.610232
UQCRHL	ENSG0000	-0.08454	2.814558	-1.06182	0.302772	0.421996	-6.09465	3.19722	2.9974	2.916938	3.162124	2.811499	3.016392	2.933443	2.960209	3.044176	3.036317	3.086546	3.00983	2.95881	3.065945	3.157218	2.890155	2.99751	2.990979
UBE2SP1	ENSG0000	0.38972	0.159462	1.485968	0.155103	0.250952	-5.07586	1.069823	1.002471	0.898566	0.635873	0.625525	1.188496	1.459147	1.549165	1.674905	1.423238	1.228418	1.538714	0.562188	0.784432	0.957066	1.599785	0.975239	1.504318
EIF2AK3-D	ENSG0000	0.179049	0.589603	1.05919	0.303932	0.423069	-5.61681	0.947665	0.940485	0.679585	1.578054	1.373859	1.123626	0.983587	1.231675	1.171446	1.457372	1.725977	1.585733	1.733794	1.681564	1.826726	1.542275	1.513652	1.58715
AL390879.	ENSG0000	-0.06884	0.104564	-0.29972	0.767926	0.837276	-6.00402	1.069823	0.940485	1.146821	1.182548	0.828511	1.188496	1.160105	0.726566	0.833554	0.88529	0.986408	1.248523	1.548989	1.032323	1.550722	0.930351	1.16325	1.222783
AC074117.	ENSG0000	-0.37739	3.796991	-4.01903	0.000847	0.004097	-1.0475	3.041689	3.209365	3.270929	3.06262	3.225109	3.119801	3.158032	3.063581	3.614278	4.73162	4.830703	4.825955	4.792829	4.79096	4.857757	4.298124	4.372311	4.197255

TRIM26	ENSG0000	8.33E-05	6.001345	0.001847	0.998547	0.998968	-7.40743	5.797357	5.610278	5.741349	5.404628	5.617385	5.377194	5.701383	5.643348	5.693539	6.603825	6.418004	6.552455	6.238533	6.18892	6.227866	6.550916	6.539501	6.55129
AL035446.	ENSG0000	-0.04891	3.051605	-0.41971	0.679814	0.770416	-6.62773	3.361722	3.169391	2.830836	3.06262	3.225109	3.200652	2.908934	3.141256	3.044176	3.047564	3.106888	3.283783	3.669424	3.799921	3.72061	3.022222	3.204393	3.228839
AL513165.	ENSG0000	-0.18322	1.672927	-1.21385	0.240954	0.353441	-5.67499	2.296082	2.232543	2.194417	2.103714	1.996426	1.799787	2.186178	1.85606	2.239236	2.47802	2.531245	2.038602	1.818016	1.793303	1.488568	2.35157	2.146913	2.003758
RNASEH1-/	ENSG0000	0.492927	3.701084	6.138555	9.67E-06	0.000125	3.53863	3.729242	3.872022	3.707702	3.753334	4.1009	4.045196	4.437325	4.290959	4.436456	3.446357	3.330936	3.567612	3.482063	3.568213	3.593499	3.848182	3.705831	3.744016
ZNF879	ENSG0000	0.656118	1.673827	5.392376	4.42E-05	0.000404	2.146341	1.18244	0.8079	0.512639	0.841981	1.164793	1.367251	1.074544	1.15884	1.38134	3.0698	3.21391	2.957162	3.794228	3.766081	3.665494	3.717885	3.675254	3.466183
ZNF232-AS	ENSG0000	0.08803	2.05162	0.674049	0.509097	0.6245	-6.09407	3.756787	3.732673	3.717332	3.591402	3.34578	3.485165	3.928981	3.786013	3.879258	1.490718	1.335727	1.60868	0.945898	1.282615	1.046067	1.571317	1.406038	1.273688
USP27X-AS	ENSG0000	-0.24421	0.526949	-0.87379	0.39408	0.515748	-5.71675	1.475543	1.915637	1.667608	0.841981	1.556428	1.526279	1.762502	1.301009	1.620777	1.158593	1.07167	1.061592	1.392977	1.357245	1.423614	1.13872	0.69947	1.058313
ZNF37BP	ENSG0000	0.415365	2.718173	3.172478	0.005421	0.017998	-2.48512	2.949211	2.886707	2.681399	3.325575	3.574682	3.247073	3.539581	3.521314	3.453254	2.679436	2.687979	2.558044	2.579013	2.467968	2.604018	2.583072	2.680939	2.84714
AL353743.	ENSG0000	0.786538	-0.99278	1.352193	0.193552	0.297417	-4.99102	1.286899	1.374745	1.146821	2.291228	1.718467	2.557474	2.607661	2.511284	2.239236	0.269074	0.259702	0.397516	0.294634	0.106501	0.186984	0.183756	0.106501	0.106501
ZNF736	ENSG0000	-0.224	0.155513	-3.05547	0.006985	0.021873	-3.07187	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.015558	4.905185	4.87173	4.36607	4.279275	4.165038	4.591826	4.73304	4.726565
NA	ENSG0000	0.29269	3.206469	3.43392	0.003064	0.011416	-2.04455	3.313074	3.196163	3.25779	3.727576	3.747367	3.733615	3.388228	3.431409	3.733845	2.955028	2.969234	2.983737	3.303673	3.560336	3.533199	3.272618	3.034117	3.387478
SP2-AS1	ENSG0000	-0.08366	0.869625	-0.48141	0.636199	0.734845	-6.16321	1.069823	0.736739	1.406977	1.104644	1.164793	1.422231	0.886508	1.082132	0.833554	2.224158	1.922393	1.820066	2.466086	2.21055	2.10048	1.880661	1.82352	2.174206
RPL13AP2(	ENSG0000	0.013937	0.179358	0.033267	0.973838	0.982804	-6.06038	1.959273	1.465573	1.853768	0.395333	1.087782	0.657796	1.762502	2.255906	2.087859	0.982259	0.799097	0.993481	1.088368	0.938214	1.002253	0.930351	0.759002	0.580851
FAM133B	ENSG0000	-0.02483	4.605395	-0.3771	0.710642	0.794729	-7.06483	4.921476	4.961437	4.908943	4.227693	4.416469	4.434292	4.974767	5.146277	4.962367	4.660143	4.806033	4.711369	4.376523	4.372183	4.288734	4.588279	4.613145	4.627304
LNCTAM34	ENSG0000	-0.15123	0.85488	-0.70451	0.490399	0.607899	-5.95106	1.861169	1.978677	1.706811	1.634586	1.164793	1.367251	1.160105	1.549165	1.0941	1.52331	1.300837	1.413989	1.597456	1.462417	1.550722	1.809319	1.645686	1.504318
CCT6P3	ENSG0000	0.016094	1.006231	0.098093	0.922974	0.949301	-6.27696	1.384302	1.327092	1.028027	1.022291	1.164793	1.799787	1.240874	1.082132	1.38134	1.964162	1.725977	1.896649	2.270712	2.344993	2.18129	1.903678	1.766644	1.973284
MCIDAS	ENSG0000	0.04668	1.460176	0.240396	0.81282	0.87163	-6.2673	1.681202	1.81559	1.954926	1.688986	1.996426	2.317553	2.226405	2.220554	2.127218	1.98771	1.899254	1.780195	1.954519	1.819936	2.312654	1.948641	1.442809	1.546329
MAPKAPK5	ENSG0000	-0.03789	4.076287	-0.40939	0.687227	0.776262	-6.89808	4.226185	4.108838	4.095173	4.236852	4.051057	4.308605	4.4712	4.212157	4.355908	4.295234	4.066685	4.209279	4.118714	4.073319	4.213876	4.122857	4.065478	3.698167
C2CD4D-AS	ENSG0000	0.161811	1.175372	1.144198	0.26797	0.384438	-6.15997	0.882475	0.215206	0.598525	0.635873	0.512209	0.461789	0.269385	0.509405	0.256032	3.980092	4.14254	4.079775	3.87509	3.637228	3.68641	4.21775	4.200441	4.439435
JRK	ENSG0000	-0.17534	5.585986	-2.12204	0.048405	0.101134	-5.26596	4.837972	4.965333	4.925655	4.171485	4.318753	4.467345	4.606901	4.637703	4.467457	6.59139	6.723178	6.625998	6.774756	6.722017	6.758132	6.488532	6.589551	6.580647
HMGN2P5	ENSG0000	0.144906	2.466917	1.581053	0.131792	0.221202	-5.39635	2.505419	2.534795	2.492412	2.548252	2.605925	2.532704	2.832807	2.801791	2.798137	2.843296	2.958081	2.920951	2.661114	2.451029	2.675503	3.032701	2.770449	2.928814
ELF3-AS1	ENSG0000	-0.57771	1.03506	-3.27114	0.004373	0.015127	-2.07443	1.336422	1.631689	1.256574	1.326771	1.498102	1.310092	0.670238	0.824004	0.515351	2.204194	2.338281	2.07201	2.566893	2.48471	2.604018	1.970607	2.124453	1.973284
SDCBP2-AS	ENSG0000	-0.08937	2.982018	-0.85764	0.4027	0.524235	-6.44601	2.725848	2.636038	2.558197	2.291228	2.460774	2.429135	2.480375	2.916694	2.697131	3.681119	3.786782	3.764372	3.814873	4.154036	3.945482	3.603046	3.705831	3.530388
NUS1P2	ENSG0000	0.338659	-0.19252	2.110154	0.049541	0.10292	-4.46169	0.106501	0.106501	0.219246	0.258133	0.25478	0.2349	0.106501	0.253663	0.256032	2.790717	3.106888	2.83599	3.057395	2.962168	3.010124	3.103995	3.127424	3.121769
GAS5	ENSG0000	-0.23082	7.955369	-1.93652	0.069144	0.133825	-5.76144	8.746615	8.72978	8.742493	8.267704	8.137439	8.173845	8.42954	8.490262	8.47589	7.417113	7.505906	7.329146	7.720556	7.711534	7.721687	7.116559	7.307021	7.289883
HLA-B	ENSG0000	0.264632	9.163559	4.840125	0.000142	0.001	0.174787	8.7276	8.755602	8.767044	9.087684	9.128684	9.10259	8.747654	8.811233	8.832077	9.095543	9.100616	9.188068	9.610597	9.660754	9.644928	9.599716	9.603807	9.527907
FOXP4-AS1	ENSG0000	-0.83735	-0.04086	-3.63401	0.001975	0.008016	-1.23778	1.384302	0.875715	1.358564	0.841981	0.625525	0.461789	0.415731	1.001115	0.629397	1.586365	1.498542	1.538714	1.054048	0.888753	1.320349	1.13872	1.024588	1.322858
WASH4P	ENSG0000	-0.06976	0.204164	-0.29434	0.771966	0.84022	-6.07128	1.430644	1.061904	1.028027	0.52061	0.730585	1.055701	1.074544	0.824004	0.925731	1.278001	1.190799	1.219002	1.420179	1.652223	1.456457	1.482378	1.368306	1.058313
SLC25A25-	ENSG0000	-0.25636	2.540724	-1.87171	0.07808	0.14763	-4.90669	3.325391	3.209365	3.745844	3.273122	2.762786	3.119801	3.315502	3.122225	3.162566	2.722179	2.779525	2.615819	1.858352	1.970168	1.923865	2.464239	2.447571	2.507643
RPS3AP6	ENSG0000	0.07724	1.77915	0.543438	0.593692	0.697801	-6.17229	2.688195	2.71221	2.700947	2.97776	2.333126	2.402038	3.004565	2.848856	2.77354	1.840286	1.616737	1.631268	1.689764	1.710321	1.639204	1.512637	1.707432	1.665483
LINC01239	ENSG0000	0.196023	-0.12079	0.697104	0.494906	0.612101	-6.21295	0.318509	0.582935	0.679585	0.106501	0.106501	0.2349	0.415731	0.106501	0.256032	2.18395	2.267764	2.355887	3.004458	3.04352	2.95373	2.384669	2.618024	2.81313
RPL23AP4	ENSG0000	0.080742	2.376083	0.439189	0.665906	0.759793	-6.37539	3.011517	2.886707	3.217639	3.342644	3.378481	3.200652	3.555458	3.043491	3.357206	2.574485	2.249583	2.213454	1.733794	2.148862	1.667532	2.154563	1.956613	2.302316
AL021392.	ENSG0000	0.049576	-1.5539	0.336935	0.740178	0.817069	-6.09959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.490718	1.875739	1.67541	1.878105	1.652223	1.947161	1.599785	1.795362	1.461048
SNHG20	ENSG0000	-0.7926	2.835631	-8.11143	2.48E-07	7.13E-06	7.220595	3.026682	2.9974	2.966237	2.714828	2.398361	2.581827	2.186178	2.451551	2.408535	3.792275	3.5985	3.728156	3.611602	3.614588	3.68641	2.807136	3.022017	3.189613
AC104667.	ENSG0000	0.03948	-0.98488	0.410347	0.686538	0.775752	-6.31454	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.444376	2.405511	2.604447	2.770846	2.729118	2.76998	2.554269	2.37332	2.442395
LINC02539	ENSG0000	-0.00519	-0.60298	-0.02819	0.97783	0.98551	-5.94037	4.044416	3.983805	3.792147	4.031135	3.683372	4.009735	3.941119	3.935218	3.844255	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC244453.	ENSG0000	0.023851	-2.01906	0.144009	0.887141	0.924733	-5.99851	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.278001	1.300837	0.993481	1.336984	1.120667	1.046067	1.099384	1.024588	1.115245
DPP10-AS1	ENSG0000	0.401021	0.124743	2.588702	0.018831	0.047957	-3.20029	5.0569	5.091908	5.029808	5.502803	5.33034	5.418344	5.444307	5.388507	5.530627	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ANKRD65	ENSG0000	1.308811	-0.97811	5.178897	6.92E-05	0.000567	1.837784	0.216396	0.106501	0.219246	0.106501	0.106501	0.2349	0.548589	0.106501	0.256032	1.278001	1.265082	1.439812	1.858352	1.897007	1.695314	2.334732	2.295039	2.350536
BRD3OS	ENSG0000	0.05828	4.959511	1.045584	0.309999	0.429714	-6.62885	4.559062	4.501192	4.509652	5.112883	5.279302	5.294884	4.504297	4.603806	4.305329	5.024124	5.019578	5.024594	5.706336	5.70128	5.60033	5.177758	5.08382	5.147478
ZSCAN31	ENSG0000	0.699384	4.07197	3.714233	0.001656	0.006953	-1.48126	5.153322	5.455446	5.344527	5.960829	5.681033	5.812316	6.271563	6.196467	6.167064	2.494552	2.453955	2.693003	3.066031	2.729118	2.98783	2.135245	2.827179	2.528753
C12orf75	ENSG0000	0.295378	0.520722	0.774441	0.44902	0.569644	-5.65188	3.562366	3.439663	3.607684	4.562385	4.641964	4.48682	3.891945	3.786013	3.82044	0.190076	0.330605	0.397516	0.294634	0.106501	0.263213	0.257084	0.358227	0.214669
SMIM1	ENSG0000	-0.20861	0.739034	-0.56648	0.57827	0.684988	-6.04957	1.12723	1.591918	1.256574	1.326771	0.828511	0.746642	1.160105	1.082132	0.833554	1.586365	1.07167	1.896649	2.683738	2.433888	2.918805	1.419885	1.795362	1.222783
HGH1	ENSG0000	0.245433	5.846202	2.658321	0.016282	0.04277	-4.24858	5.100552	5.247194	5.328907	5.809447	5.821441	5.809741	5.535185	5.477302	5.653661	6.179477	6.126994	6.255346	6.045689	6.132932	6.094687	6.374733	6.372058	6.346593
RPL39P3	ENSG0000	0.067756	1.336913	0.319935	0.75281	0.827017	-6.17135	1.791852	2.09705	1.921989	2.91067	2.299368	2.196611	2.26554	2.220554	2.309357	1.840286	1.672391	1.413989	1.392977	1.428204	1.580823	1.387593	1.581179	1.170016
PPP1R3E	ENSG0000	0.329922	2.084792	2.082672	0.052263	0.107377	-4.4726	1.681202	1.508929	1.78216	2.605941	2.686486	2.845893	2.340763	1.901414	2.471058	2.427256	2.604605	2.355887	2.968056	2.901116	2.846311	2.300453	2.726388	2.549558
AF127577.	ENSG0000	0.295084	-0.71159	3.24058	0.004675	0.015978	-2.28647	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.650221	2.714733	2.714318	3.46257	3.428092	3.533199	2.819293	2.95995	3.021085
LINC00957	ENSG0000	0.16226	0.110332	0.631156	0.536106	0.648472	-5.87574	0.41387	0.410755	0.512639	1.256461	1.612488	1.310092	0.548589	0.726566	0.515351	1.278001	1.55885	1.413989	1.755315	1.793303	1.826726	1.177011	1.442809	1.58715
SNRPGP10	ENSG0000	-0.07831	2.200015	-0.69906	0.493715	0.610938	-6.32979	2.345296	2.448351	2.300736	2.021307	1.909591	2.064596	2.340763	2.540248	1.962896	2.679436	2.889287	2.974933	2.661114	2.770668	2.703134	2.935534	2.552239	2.928814
LINC01278	ENSG0000	0.043845	4.665701	0.397316	0.695944	0.782532	-7.00934	4.749336	4.778666	4.786199	4.988267	4.789085	5.238557	4.772276	4.843429	5.021009	4.355303	4.419586	4.238998	5.102982	4.90419	5.031287	4.127753	4.405289	4.494122
SMIM27	ENSG0000	-0.20338	1.445583	-1.47587	0.157768	0.254457	-5.25755	1.959273	1.81559	1.818408	1.978268	2.03796	1.799787	1.917967	1.809233	1.918715	1.840286	2.095243	1.933468	2.079215	2.169719	2.121111	1.542275	1.581179	2.033602
AC073046.	ENSG0000	-0.61523	0.059303	-2.62363	0.017508	0.045281	-3.22709	0.667115	1.118985	0.964748	0.635873	0.512209	0.657796	0.670238	1.082132	1.171446	1.616888	1.752042	1.73919	1.054048	1.393161	1.423614	1.017342	1.024588	1.273688
RPL6P27	ENSG0000	-0.05792	2.420588	-0.36591	0.718824	0.80061	-6.42274	2.996191	3.012542	3.044832	3.408969	2.904251	3.136338	3.277716	3.102941	3.306673	2.589954	2.590228	2.152295	2.314863	2.06228	2.257813	1.85727	2.392244	2.06284
AC002310.	ENSG0000	-0.77668	0.322069	-4.95042	0.000112	0.000831	1.387713	0.742531	0.8079	0.756332	0.635873	0.92021	0.830331	0.415731	0.824004	0.515351	2.30136	2.249583	2.055402	1.797417	1.793303	1.970087	1.681967	1.645686	1.370407
AF127577.	ENSG0000	-0.12604	0.850836	-0.66134	0.517019	0.631877	-5.99588	0.882475	1.591918	1.54317	1.182548	1.437317	1.367251	1.317361	1.231675	1.620777	1.586365	1.672391	1.877881	1.689764	1.846087	1.900186	1.627702	1.368306	1.58715
H3P6	ENSG0000	0.258658	4.748426	2.797476	0.012139	0.033973	-3.65961	5.064268	5.297514	5.116065	5.941353	5.946666	5.867836	5.35187	5.503276	5.646906	3.980092	3.924944	3.982106	4.191564	4.429515	4.134921	4.062774	4.023613	4.129778
LINC00894	ENSG0000	-0.74445	0.829135	-3.817	0.001321	0.00585	-0.8779	1.561356	2.009193	1.667608	1.840866	1.953662	2.029614	1.074544	1.231675	1.314712	1.490718	1.529011	1.248523	1.733794	1.793303	1.580823	0.738851	1.118494	1.416439
DICER1-AS	ENSG0000	-0.39638	0.795462	-1.56049	0.136567	0.22758	-5.0398	1.475543	1.947501	1.406977	1.104644	1.307481	1.188496	1.317361	1.658879	1.564539	1.490718	1.827525	1.585733	1.689764	1.560439	1.639204	1.214313	0.871168	1.910335
KIAA0040	ENSG0000	0.618535	1.821111	4.27416	0.000485	0.002628	-0.185	1.235614	1.061904	1.088647	0.934951	1.2379	1.367251	1.648695	2.147141	1.918715	2.906434	2.85362	2.957162	3.141522	3.410675	3.263113	3.094024	3.440885	3.509302
OLMALINC	ENSG0000	-0.451	3.267257	-3.42254	0.003141	0.011634	-2.03481	5.272612	5.218099	5.141325	3.791129	3.6964	3.572823	5.021241	4.734864	4.912549	2.990428	2.877496	2.7037	2.009285	1.946191	1.923865	2.115663	2.254246	2.374055
AC006978.	ENSG0000	0.230716	0.600864	1.003466	0.329327	0.449292	-5.63833	1.519087	1.591918	1.818408	1.457877	1.006428	1.757653	1.317361	1.658879	1.445026	1.158593	1.190799	0.993481	0.907968	1.393161	1.002253	1.419885	1.707432	1.322858
B3GALT4	ENSG0000	0.425684	1.586198	3.025551	0.00745	0.022949	-2.6131	1.12723	1.327092	0.964748	1.978268	2.193078	2.22781	1.389995	1.491012	1.777424	1.964162	1.989662	2.136592	3.288992	3.375198	3.177059	2.173627	2.552239	2.06284
LINC00941	ENSG0000	-0.19957	2.397749	-0.5458	0.592102	0.696335	-6.30619	4.212988	3.888531	3.995797	3.977507	3.988879	3.807755	3.490873	3.786013	3.721038	2.056133	2.135404	2.272125	0.828978	0.612281	0.707101	2.432936	2.392244	2.350536
ASH1L-AS1	ENSG0000	-0.3578	1.168323	-2.51671	0.021865	0.053944	-3.58626	1.336422	1.420874	1.202741	1.022291	1.437317	1.475193	1.074544	1.367163	1.564539	2.392392	2.320972	2.228347	2.452975	2.23054	2.220059	1.926335	1.90484	1.877799
ZNF815P	ENSG0000	-0.06808	1.562196	-0.40423	0.690948	0.778944	-6.54011	0.667115	0.940485	0.421314	1.022291	1.768674	1.367251	0.782422	1.001115	0.925731	3.536933	3.532361	3.332842	3.623353	3.436722	3.608189	3.133504	3.356678	3.410407
TTC28-AS1	ENSG0000	-0.0605	1.808683	-0.4106	0.686357	0.775609	-6.3326	1.990546	2.039077	2.274882	1.978268	2.117603	1.993763	2.340763	2.220554	2.408535	2.47802	1.945166	2.546206	2.24051	2.190279	2.257813	1.970607	2.190809	2.14716
VN2R19P	ENSG0000	-0.17412	-0.74246	-1.56836	0.134723	0.225166	-5.3231	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.763691	3.15652	2.948194	3.303673	3.253475	3.177059	2.831347	2.568968	2.79582
AC018816.	ENSG0000	-0.26007	-0.99742	-0.985	0.338064	0.459013	-5.69508	0.41387	0.215206	0.219246	0.258133	0.106501	0.106501	0.106501	0.509405	0.256032	1.787595	1.827525	1.696985	1.573426	1.2438	1.390007	1.542275	1.795362	1.273688
ELFN1-AS1	ENSG0000	-0.42055	2.108073	-2.05086	0.055582	0.112691	-4.43528	3.944154	3.82133	3.648527	2.548252	3.112982	3.119801	3.66196	3.250449	3.528681	1.891119	1.616737	1.696985	1.667235	1.495836	1.801384	1.354562	1.581179	1.222783
COX10-AS1	ENSG0000	0.177005	2.61748	1.467662	0.159961	0.257177	-5.72024	1.642349	1.708084	1.921989	2.425456	1.768674	2.481849	2.513265	2.290412	1.826075	3.723813	3.748453	3.696374	3.768	3.622174	3.509921	3.762638	3.757829	3.831562
ZBTB22	ENSG0000	-0.33327	3.823023	-4.84445	0.000141	0.000993	0.780032	3.454357	3.608619	3.668523	3.503067	3.410458	3.711713	3.219115	3.214961	3.181386	4.443094	4.394983	4.503642	4.662213	4.545767	4.775553	4.240529	4.178806	4.051715
TMEM147-	ENSG0000	-0.94623	3.259893	-6.13084	9.82E-06	0.000127	3.529133	3.792713	3.829904	3.755225	2.181668	2.366112	2.675323	2.545421	2.825515	2.643847	4.207702	4.274276	4.178935	3.960951	4.011117	4.01878	3.407564	3.503143	3.498643
LINC01376	ENSG0000	0.120665	0.467559	0.48277	0.63525	0.733988	-6.02167	1.384302	0.8079	1.202741	0.934951	0.828511	1.188496	1.240874	1.367163	1.777424	1.388276	1.335727	1.360915	1.689764	1.528499	1.488568	1.214313	1.513652	0.999041
AC009404.	ENSG0000	-0.11493	0.434306	-0.47946	0.637557	0.735877	-5.93398	1.719036	1.631689	1.453818	2.181668	1.437317	1.919272	1.816207	1.549165	1.564539	1.158593	1.152172	0.846782	0.745413	0.7293	1.002253	0.837776	0.69947	1.115245
ZBED5	ENSG0000	0.276984	4.913782	5.707946	2.31E-05	0.000241	2.437733	4.794334	4.742796	4.621585	4.99368	4.928114	5.033133	5.071794	5.063901	4.973208	4.896201	4.827642	4.811193	5.102982	5.141762	5.082154	5.062316	4.978189	5.204345
GUSBP5	ENSG0000	0.094928	0.244417	0.390251	0.701066	0.786986	-6.12665	1.235614	0.661886	0.829201	0.258133	1.006428	0.746642	0.886508	0.824004	0.833554	1.490718	1.467416	1.877881	1.621093	1.793303	1.355599	1.627702	1.737342	1.844513
AL513123.	ENSG0000	0.007594	-1.47088	0.027145	0.978652	0.985931	-6.03332	0.216396	0.316291	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.256032	1.278001	1.190799	1.248523	1.121891	0.986036	1.209118	1.250674	1.513652	1.170016
VLDLR-AS1	ENSG0000	0.012434	-0.07338	0.037368	0.970615	0.981085	-6.08955	1.18244	0.661886	0.598525	0.52061	0.92021	1.250575	1.160105	0.915275	1.171446	1.423238	1.616737	1.73919	0.562188	0.550009	0.593579	1.387593	1.289746	1.273688
MFF-DT	ENSG0000	-0.28718	0.716797	-1.21161	0.241789	0.354265	-5.38014	2.080492	1.708084	2.351095	2.103714	1.996426	1.840725	1.70672	2.290412	1.777424	1.116489	1.228418	0.958181	1.186687	0.7293	1.17005	1.099384	0.816175	0.659518
FAM157A	ENSG0000	-0.6236	-0.13185	-2.15842	0.045073	0.095461	-4.1595	0.667115	1.002471	0.898566	0.258133	0.25478	0.3528	0.548589	0.253663	0.106501	2.100009	2.074736	1.951531	1.858352	1.846087	2.200805	1.903678	1.707432	2.003758
AC003092.	ENSG0000	0.789213	-0.65406	1.901945	0.073791	0.141036	-4.32314	3.911847	3.968357	3.678418	1.933905	2.117603	2.098749	4.751751	4.562048	4.956916	0.190076	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RPL13AP5	ENSG0000	-0.16219	1.942356	-0.6457	0.526863	0.640227	-6.15749	2.707144	2.308123	2.933559	3.142765	2.71237	2.557474	3.296733	2.290412	2.723053	2.338465	2.303453	1.718241	1.689764	2.084417	1.639204	1.354562	1.956613	1.910335
PITPNA-AS	ENSG0000	-0.05015	3.141732	-0.44276	0.663369	0.757748	-6.63943	3.041689	2.966631	3.029452	3.273122	3.260629	3.510758	3.219115	3.214961	3.641718	3.446357	3.322263	3.419749	3.599754	3.629721	3.563664	3.022222	3.138674	3.162857
FRGCA	ENSG0000	0.071563	-1.79339	0.419727	0.679799	0.770416	-5.98498	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.352446	1.228418	1.562415	1.573426	1.320413	1.610309	1.482378	1.442809	1.058313
MAP3K2-D	ENSG0000	-0.51289	0.93369	-2.05551	0.055085	0.11186	-4.27074	2.296082	2.039077	1.921989	1.457877	1.718467	1.310092	1.762502	1.760835	1.171446	1.315703	1.228418	1.653508	1.755315	1.681564	1.580823	1.058946	1.513652	1.170016
ARHGEF38	ENSG0000	-0.25766	-0.8712	-1.54095	0.141239	0.233288	-5.25344	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.392392	2.546219	2.497858	3.100071	3.141796	3.206318	2.192442	2.518186	1.973284
LINC01186	ENSG0000	0.056917	0.301044	0.23802	0.814633	0.872852	-6.10217	0.882475	0.940485	1.202741	0.742604	0.92021	0.657796	1.317361	1.491012	1.38134	1.352446	1.498542	1.333627	1.573426	1.320413	1.488568	1.099384	1.329561	1.115245
MKLN1-AS	ENSG0000	0.087689	1.381923	0.582521	0.567655	0.677032	-6.02329	2.416107	2.206444	1.921989	2.955742	2.926537	2.741673	2.376953	2.451551	2.047395	1.278001	1.265082	1.248523	1.573426	1.560439	1.722572	1.250674	1.406038	1.115245
ELOA-AS1	ENSG0000	0.053507	1.438934	0.310231	0.760054	0.832151	-6.33129	1.959273	1.670392	1.453818	1.326771	2.03796	1.188496	1.459147	1.945386	1.826075	2.078238	1.967585	2.314614	2.193986	2.326537	2.382676	2.135245	2.190809	2.14716
CBR3-AS1	ENSG0000	-0.82887	1.249917	-3.92837	0.001034	0.004808	-0.9856	1.069823	1.374745	0.756332	0.106501	0.730585	0.830331	0.548589	0.509405	0.256032	3.914031	3.958911	3.853525	3.979357	4.062207	4.109334	3.171932	3.171908	3.340497
NIFK-AS1	ENSG0000	-0.11611	1.538192	-0.70405	0.490677	0.60819	-6.11321	2.137484	1.915637	1.667608	1.578054	1.996426	2.132113	1.389995	1.760835	2.309357	2.18395	2.303453	2.038602	2.178139	2.039797	1.876113	2.095813	2.124453	2.003758
MIR600HG	ENSG0000	0.06969	1.238947	0.413263	0.68444	0.774181	-6.10418	2.109269	2.152784	2.079636	2.393052	2.155834	2.429135	1.816207	2.147141	2.376228	1.315703	1.435603	1.061592	1.644349	1.591687	1.580823	1.542275	1.072305	1.416439
GGT8P	ENSG0000	-0.26891	-0.75228	-1.18893	0.250371	0.364706	-5.56206	0.41387	0.316291	0.219246	0.106501	0.106501	0.2349	0.106501	0.253663	0.256032	1.940223	2.074736	1.800268	2.193986	2.148862	1.970087	1.809319	1.930959	1.58715
ZNRF2P1	ENSG0000	0.031824	0.322187	0.098794	0.922426	0.94908	-5.96983	1.681202	1.915637	1.818408	2.518519	2.549605	1.956998	1.966276	1.85606	2.127218	0.781331	0.583785	0.683459	0.907968	0.986036	0.404558	0.884806	0.504542	0.315289
ZEB1-AS1	ENSG0000	-0.38217	1.145251	-2.80208	0.01202	0.033702	-3.06488	1.286899	1.118985	1.62731	1.457877	1.006428	1.055701	1.525136	1.082132	1.0941	2.589954	2.388995	2.409144	2.096181	2.190279	2.18129	2.154563	1.981819	2.14716
ZNF503-AS	ENSG0000	0.672326	0.234029	2.752336	0.013357	0.036641	-2.88667	1.755904	1.708084	1.987129	2.359902	2.333126	2.455733	2.576877	2.184314	2.274723	0.7264	0.259702	0.449284	0.562188	0.612281	0.533283	0.517985	0.504542	0.805046
B3GNT9	ENSG0000	0.575237	3.497679	2.498874	0.022685	0.055592	-3.93336	3.17016	3.35903	3.176339	5.232173	5.119213	5.283793	3.941119	4.128801	4.093134	2.83033	2.946841	3.00983	3.456014	3.41941	3.281558	3.218571	2.985098	2.896697
NR2F1-AS1	ENSG0000	0.703301	3.658652	3.375784	0.00348	0.012605	-2.39029	2.109269	1.978677	2.018628	3.688057	3.820593	3.733615	3.66196	3.083395	3.421943	4.421642	4.45968	4.506699	4.264669	4.390067	4.315833	4.820694	4.92395	4.886383
AC242426.	ENSG0000	-0.12421	0.208022	-0.55316	0.587161	0.692396	-6.03435	0.587539	0.316291	0.598525	0.934951	0.92021	0.746642	0.415731	0.509405	0.735084	1.646779	1.967585	2.021603	2.314863	2.190279	1.749324	1.45147	1.851139	1.877799
CDKN2AIPI	ENSG0000	-0.0823	5.335615	-1.53216	0.143382	0.235982	-6.13987	5.570401	5.493717	5.411316	4.881362	4.982309	4.923071	5.162706	5.319175	5.330179	5.591166	5.56295	5.757825	5.229468	5.310903	5.208029	5.659012	5.665153	5.649533
ANO7L1	ENSG0000	-0.45386	-0.30787	-2.17939	0.043249	0.092575	-3.97993	0.41387	0.661886	0.756332	0.395333	0.730585	0.563119	0.548589	0.253663	0.39151	1.388276	1.369793	1.333627	1.818016	1.871771	1.851631	1.250674	1.024588	1.222783
AL691515.	ENSG0000	0.827424	-1.888	3.496207	0.002673	0.010248	-1.46248	1.519087	1.631689	1.358564	1.519216	1.996426	1.367251	2.102195	2.184314	2.376228	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SMG1P1	ENSG0000	0.270462	0.695379	1.390986	0.181685	0.283444	-5.2277	1.755904	1.374745	1.54317	1.326771	1.2379	1.422231	1.525136	1.710758	1.314712	1.278001	1.335727	0.958181	1.218025	1.462417	1.610309	1.599785	1.368306	1.461048
TTN-AS1	ENSG0000	-0.23041	2.811974	-3.01329	0.00765	0.023472	-3.06208	1.826927	1.947501	1.921989	2.143217	2.03796	2.164723	1.816207	2.147141	1.50602	4.266643	4.287703	4.190389	4.283307	4.416485	4.444184	3.865871	4.088867	4.094818
GS1-124K5	ENSG0000	0.045996	0.836902	0.273771	0.78747	0.851498	-6.07108	2.27083	2.403106	2.37563	1.840866	1.768674	2.164723	2.26554	2.220554	2.501332	0.934589	0.941811	0.846782	0.945898	0.938214	1.08859	1.017342	0.871168	1.058313
RNF223	ENSG0000	-0.36082	0.654422	-1.76438	0.095137	0.171849	-5.34077	0.503316	0.661886	0.829201	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	4.13575	4.278766	4.518865	4.464081	4.279275	4.265755	4.394709	4.065478	3.856822
FOXD2-AS1	ENSG0000	-0.56289	0.617337	-4.15904	0.000623	0.003192	-0.31578	0.882475	1.002471	0.898566	0.52061	0.625525	0.3528	0.548589	0.387194	0.629397	3.036317	2.817048	2.948194	2.112949	2.21055	1.775589	2.400938	2.711397	2.549558
CECR7	ENSG0000	-0.09605	0.356469	-0.52879	0.603601	0.706069	-6.25803	0.318509	0.410755	0.598525	0.258133	0.625525	0.563119	0.782422	0.726566	0.256032	2.527059	2.727926	2.447834	2.42639	2.565626	2.513282	2.417026	2.552239	2.200755
ZNF737	ENSG0000	-0.38743	-0.42773	-3.70308	0.001697	0.007096	-1.42396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.64455	3.647924	3.393562	3.88976	3.86531	4.01878	3.022222	3.256961	3.107809
RGL2	ENSG0000	0.347629	5.380879	4.154781	0.000629	0.003216	-0.98463	4.363907	4.287521	4.44736	5.195063	5.114368	5.114677	4.932837	5.028565	5.015776	5.565966	5.693098	5.564514	6.627906	6.565562	6.614559	5.737977	5.904743	5.793844
LINC01409	ENSG0000	0.294093	-0.63036	1.131432	0.273159	0.390036	-5.54965	0.216396	0.316291	0.323815	0.52061	0.25478	0.106501	0.269385	0.387194	0.629397	1.616888	1.899254	1.413989	1.621093	1.560439	1.355599	1.809319	1.547811	1.844513
WAKMAR2	ENSG0000	-0.32927	0.521308	-1.40138	0.178607	0.279857	-5.08697	2.137484	1.915637	1.921989	2.577385	2.762786	2.317553	2.058296	2.029503	1.620777	0.7264	0.695454	1.126631	0.787801	0.784432	0.812339	0.517985	0.504542	0.734116
LINC00857	ENSG0000	-0.28242	3.358215	-2.75422	0.013304	0.036532	-3.61243	3.895419	3.526613	3.270929	2.633943	2.71237	2.629332	3.370387	3.232814	3.357206	4.125171	3.997554	4.012537	3.635009	3.717329	3.629946	3.737235	3.870083	3.725851
AC243919.	ENSG0000	0.229851	4.388454	2.360551	0.0301	0.069314	-4.62379	3.27548	2.9974	3.148134	4.041626	3.867423	3.765857	4.000319	3.724251	3.844255	5.309864	5.370266	5.191584	5.291546	5.287239	5.356791	5.304237	5.363378	5.365554
AL365226.	ENSG0000	0.046118	0.369906	0.804941	0.431668	0.5529	-6.73334	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.235589	5.193714	5.214204	4.645023	4.714951	4.6463	5.306398	5.187669	5.223892
KIFC1	ENSG0000	-0.03759	4.334671	-0.1832	0.856753	0.90337	-7.15995	4.516725	4.47956	4.345467	3.840029	3.901574	3.848471	4.504297	4.657666	4.467457	5.546278	5.391149	5.528867	2.802201	2.901116	2.870883	5.375946	5.289597	5.365554
IRGM	ENSG0000	0.075669	-1.36718	0.635288	0.533471	0.646162	-6.05129	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.100009	2.115463	2.004401	1.711947	1.846087	1.826726	2.095813	2.124453	1.910335
FAM200B	ENSG0000	-0.2195	4.703795	-2.92256	0.009296	0.027453	-3.44207	5.443372	5.421814	5.328907	5.245847	5.162106	5.227023	5.060712	5.141559	4.912549	4.327889	4.200477	4.385707	4.34138	4.420842	4.293286	4.078031	4.323851	4.422617
AC022034.	ENSG0000	0.10445	1.246529	1.191725	0.2493	0.363326	-6.53295	0.41387	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	6.112774	6.126994	6.089887	7.025052	6.992436	7.046675	6.226292	6.193429	6.260879
LINC00674	ENSG0000	0.117353	2.24088	0.879898	0.390852	0.512452	-6.16733	1.826927	1.81559	1.853768	2.548252	2.429905	2.532704	2.226405	2.481727	2.047395	2.763691	3.065914	2.883807	2.83289	2.888589	3.021143	2.77004	2.770449	2.960231
NA	ENSG0000	-0.617	2.267776	-2.55723	0.020105	0.050521	-3.7072	3.520128	3.235413	3.270929	1.840866	1.718467	1.422231	2.513265	2.357042	2.670735	2.843296	2.804649	2.671369	2.626498	2.756951	2.730245	2.625227	2.33471	2.326628
DGUOK-AS	ENSG0000	0.482516	0.248765	2.323817	0.032421	0.073659	-3.84278	0.742531	0.8079	0.512639	0.395333	0.92021	0.984419	0.415731	0.824004	0.629397	1.457372	1.725977	1.696985	1.858352	1.652223	1.749324	2.095813	2.169028	2.119598
PRKCQ-AS	ENSG0000	-0.47471	-0.72335	-2.08841	0.051684	0.10645	-4.03221	4.10996	4.190995	4.1812	3.605613	3.112982	3.152687	3.719464	3.592179	3.628063	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC00649	ENSG0000	0.122404	3.242214	1.829601	0.084421	0.156509	-5.41513	1.990546	1.81559	1.853768	2.518519	2.117603	2.258349	2.446718	2.147141	2.087859	4.772865	4.732663	4.615496	4.945733	4.837324	4.914999	4.817667	4.687803	4.806527
MTCO1P12	ENSG0000	0.722737	3.453525	4.539787	0.000272	0.00165	0.399255	4.679091	4.629503	4.55869	5.452586	5.557954	5.404757	5.661594	5.188055	5.59521	2.078238	1.899254	2.088428	2.466086	2.381211	2.276326	2.300453	1.956613	1.910335
KCNMB2-A	ENSG0000	0.013154	0.675644	0.07627	0.94007	0.961601	-6.05862	2.137484	2.068355	1.818408	2.359902	2.078331	2.402038	1.966276	1.988058	2.127218	0.982259	0.89579	0.76743	0.828978	0.784432	1.002253	0.789161	0.759002	1.058313
PSME2P1	ENSG0000	0.104821	0.611873	0.802613	0.432978	0.554278	-5.95009	1.069823	1.118985	0.898566	0.742604	0.828511	0.830331	1.160105	0.915275	1.01237	1.98771	1.8028	1.780195	1.711947	1.897007	1.695314	1.880661	1.795362	2.226823
LINC02257	ENSG0000	-0.44433	-0.85652	-2.66384	0.016094	0.042403	-3.34953	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.494552	2.531245	2.604447	3.27416	3.243672	3.263113	2.095813	2.030948	2.277588
AC009133.	ENSG0000	-0.28299	1.768915	-1.96529	0.065478	0.128369	-4.67026	1.719036	1.631689	1.853768	2.021307	1.556428	1.669505	1.525136	1.760835	1.314712	2.708071	2.618839	2.447834	3.332595	3.120528	3.010124	2.417026	2.410923	2.200755

AL691515.	ENSG0000	0.324334	-0.25039	1.841698	0.082555	0.154017	-4.44037	4.674285	4.495815	4.429894	4.472198	4.343809	4.308605	4.902122	4.709588	4.934903	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AL355574.	ENSG0000	-0.19697	0.391619	-0.88337	0.389024	0.51068	-5.82433	1.010037	1.173893	1.54317	0.841981	0.512209	0.657796	1.240874	0.824004	0.629397	1.388276	1.827525	1.73919	1.621093	1.681564	1.423614	1.681967	1.82352	1.504318
LRRC37A2	ENSG0000	-0.18278	1.796496	-1.3469	0.195219	0.299301	-5.58107	1.959273	1.508929	2.138168	1.840866	1.817192	1.799787	2.102195	1.605065	1.674905	2.47802	2.727926	2.569785	2.852992	2.657091	2.416453	2.300453	2.465551	2.48622
GOLGA2P5	ENSG0000	-0.12908	1.356883	-0.89467	0.383117	0.504692	-6.06724	1.010037	0.661886	0.964748	1.182548	1.612488	1.367251	0.983587	1.15884	1.171446	2.708071	2.877496	2.911754	3.057395	2.811056	2.930541	2.479639	2.649824	2.649309
AL121904.	ENSG0000	0.398572	0.182414	7.565795	6.49E-07	1.54E-05	6.185831	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.58494	4.609763	4.560653	4.531115	4.513497	4.41524	4.942395	4.914163	5.041309
BX284668.	ENSG0000	-0.1074	0.040268	-0.57083	0.575379	0.683202	-6.03164	0.503316	0.736739	0.679585	0.635873	0.730585	0.461789	0.415731	0.253663	0.39151	1.616888	1.851833	1.73919	1.954519	2.21055	2.036756	2.055273	1.707432	1.775544
TMEM250	ENSG0000	0.222298	6.296479	3.241465	0.004666	0.015952	-3.07673	6.309296	6.380424	6.354895	6.386177	6.575269	6.463697	6.391403	6.310139	6.401828	5.885637	5.87162	6.073485	6.480638	6.385602	6.401296	6.413338	6.367284	6.227376
LINC00707	ENSG0000	-0.31471	-0.79417	-1.15187	0.264886	0.381088	-5.30216	4.25866	4.190995	4.16017	2.791417	2.660129	2.581827	4.034706	3.672864	3.879258	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
NCK1-DT	ENSG0000	-0.6104	0.688296	-3.37211	0.003508	0.012691	-1.83593	1.010037	1.061904	1.028027	1.182548	0.92021	0.746642	0.886508	0.824004	1.171446	1.964162	2.174476	2.104662	2.314863	1.970168	2.365487	1.354562	1.613793	1.626848
RNF103	ENSG0000	-0.70313	5.048906	-5.99764	1.28E-05	0.000155	3.047072	5.79071	5.738755	5.778624	5.250376	5.162106	5.055043	5.109925	5.068879	5.026224	5.12579	5.006104	4.95243	5.15451	5.167914	5.186167	4.315393	4.419196	4.4056
RBM14	ENSG0000	0.008119	6.095927	0.116662	0.908458	0.939527	-7.40742	6.06494	6.024831	6.097189	5.845818	5.766907	5.722075	6.205178	6.065615	6.109268	6.63957	6.414949	6.500491	5.764537	5.715534	5.756839	6.493282	6.448634	6.489376
Z68871.1	ENSG0000	0.116986	0.900267	0.576607	0.571557	0.680082	-5.97928	2.218961	1.374745	1.921989	1.791994	1.996426	1.669505	1.966276	1.809233	2.127218	1.423238	1.07167	1.126631	1.308151	1.528499	1.209118	1.214313	1.16325	1.222783
AC007405.	ENSG0000	0.013297	-1.44462	0.072646	0.942913	0.963186	-6.1753	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.388276	1.777644	1.933468	1.711947	1.946191	1.695314	1.759719	1.581179	1.844513
CASTOR3	ENSG0000	-0.10424	3.851368	-0.91047	0.374962	0.49732	-6.49643	2.649532	2.982098	3.044832	4.103016	4.186495	4.096805	2.858632	3.102941	3.289427	4.03198	4.127684	4.04234	5.785607	5.755749	5.795858	3.848182	3.793856	3.984547
MYLK-AS1	ENSG0000	-0.25163	-0.08975	-0.95199	0.354082	0.475325	-5.73238	0.667115	0.875715	0.964748	0.395333	0.25478	0.461789	0.269385	0.622068	0.515351	1.457372	1.435603	1.759838	2.009285	1.819936	2.014873	1.512637	1.478665	1.739782
RPL37P2	ENSG0000	-0.04065	0.405547	-0.147	0.884812	0.923417	-6.02891	1.336422	1.420874	1.78216	1.933905	2.155834	1.475193	1.240874	1.549165	1.727075	1.028404	1.335727	0.639567	0.787801	1.077171	0.957066	0.738851	1.118494	0.872651
KMT2E-AS	ENSG0000	-0.42104	0.877602	-1.623	0.122486	0.209357	-4.98012	1.336422	1.465573	1.54317	1.104644	1.164793	1.123626	1.867984	1.710758	1.777424	2.033684	1.644832	2.055402	1.818016	1.738515	1.667532	1.250674	1.442809	0.999041
STPG4	ENSG0000	-0.35943	-0.6715	-2.53951	0.020857	0.051999	-3.66565	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.749986	2.912585	2.911754	3.429485	3.536446	3.525482	2.554269	2.568968	2.397196
PRR20G	ENSG0000	0.283709	-0.45893	2.156755	0.045221	0.095702	-4.51442	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.013555	3.348126	3.526028	2.862939	3.203781	3.177059	3.588914	3.735773	3.444131
AL157392.	ENSG0000	-0.04592	1.575962	-0.20451	0.840314	0.891914	-6.27741	2.051128	1.670392	2.018628	2.48816	2.117603	2.164723	2.545421	2.184314	2.309357	2.121457	2.23117	1.514616	2.079215	2.039797	2.276326	1.45147	1.513652	1.58715
NME1	ENSG0000	-0.03371	5.588787	-0.61897	0.543922	0.655365	-7.09276	6.250766	6.231462	6.151479	5.96359	5.815483	5.867836	6.230122	6.180458	6.143263	5.29814	5.456014	5.322271	4.742532	4.850301	4.735974	5.31071	5.304658	5.335919
TNFSF12	ENSG0000	0.412334	0.964612	2.207242	0.040931	0.088653	-4.17388	1.475543	1.226787	1.202741	0.635873	0.92021	0.909432	1.160105	1.430416	1.01237	1.940223	1.989662	1.858866	2.044674	2.148862	2.449456	2.448672	2.601856	2.119598
WBP1	ENSG0000	0.17308	2.657285	1.091869	0.289713	0.407988	-5.9701	2.798329	2.576149	2.469799	2.999448	3.378481	3.086148	2.806512	2.676938	2.697131	2.527059	2.485369	2.447834	3.809739	3.410675	3.849837	2.819293	2.601856	2.507643
MRPS17	ENSG0000	-0.35652	2.716174	-4.0505	0.000791	0.003869	-0.75059	2.867343	2.870177	2.600444	2.425456	2.264801	2.098749	2.303642	2.255906	2.588518	3.723813	3.668598	3.636224	3.173846	3.366191	2.942182	3.439417	3.307681	3.421736
GET4	ENSG0000	-0.468	0.517616	-1.3914	0.181561	0.283333	-5.15132	1.927307	2.009193	2.138168	1.182548	1.498102	1.422231	1.240874	1.082132	2.047395	0.7264	0.89579	1.094478	1.446877	1.357245	1.51998	1.058946	0.816175	0.805046
PARGP1	ENSG0000	-0.15937	1.523357	-0.99943	0.331225	0.451319	-5.84433	2.245129	2.009193	2.138168	2.291228	1.437317	1.956998	1.917967	2.069791	1.873138	1.865926	2.267764	1.933468	1.916818	1.766169	2.036756	1.970607	2.101639	1.703111
C1orf226	ENSG0000	-0.83355	2.790517	-8.24691	1.97E-07	6.04E-06	7.432672	3.026682	3.042358	2.865896	1.578054	1.718467	2.064596	1.966276	1.901414	2.127218	4.290508	4.176619	4.307219	3.587808	3.576046	3.707028	3.560228	3.579432	3.601852
ADSL	ENSG0000	-0.37984	6.377565	-7.04957	1.67E-06	3.23E-05	4.928642	6.802174	6.926554	6.842391	6.33592	6.401203	6.435578	6.426359	6.273954	6.413815	6.365112	6.38819	6.416014	6.282738	6.23046	6.231428	6.151341	6.097236	6.100942
LINC00888	ENSG0000	-0.09697	3.140981	-1.05152	0.307343	0.426697	-6.16447	3.765853	3.676739	3.745844	3.408969	3.574682	3.051692	3.774765	3.685883	3.681923	3.145032	3.106888	3.125724	2.986372	2.938056	2.883013	2.855159	3.034117	3.065099
AMY2B	ENSG0000	-0.17047	0.571318	-0.57519	0.572492	0.680873	-5.90485	1.384302	1.374745	1.358564	1.393812	1.612488	1.714252	1.70672	1.549165	1.50602	1.073118	1.300837	0.884879	1.667235	1.766169	2.058312	0.63264	0.924142	0.805046
PSMB9	ENSG0000	0.334306	4.684924	3.909117	0.001079	0.004972	-1.46466	4.428132	4.324392	4.087767	3.605613	3.844198	3.722706	4.185161	4.221128	4.372382	5.213289	5.188951	5.265644	5.387698	5.280064	5.280893	5.723497	5.699745	5.647122
NCOR1P1	ENSG0000	0.31247	-1.24712	2.746252	0.01353	0.037052	-3.11406	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.100009	1.899254	2.16783	2.209661	2.10622	2.014873	2.154563	2.212266	2.48622
PCDHGC3	ENSG0000	0.78641	4.533539	8.066601	2.68E-07	7.55E-06	7.007391	3.765853	3.863696	3.854572	4.350907	4.493129	4.434292	4.164604	4.247712	4.216877	4.182415	4.228596	4.441093	5.644247	5.686883	5.624013	5.18717	5.214498	5.239981
SMKR1	ENSG0000	-0.77719	1.076519	-2.70645	0.014715	0.039463	-3.06253	3.100204	3.286138	3.013906	2.97776	2.737798	2.605775	1.917967	1.809233	2.501332	0.781331	0.848253	0.76743	1.186687	1.077171	0.910419	1.177011	0.924142	0.734116
CPHL1P	ENSG0000	0.382602	-0.3488	1.320888	0.203573	0.30934	-5.66046	0.106501	0.316291	0.219246	0.258133	0.389229	0.106501	0.106501	0.106501	0.39151	3.013555	3.423044	2.826234	1.473091	1.793303	1.695314	3.43152	3.317614	3.669942
ZNF542P	ENSG0000	0.289328	2.641374	4.132909	0.00066	0.00335	-1.09031	0.318509	0.410755	0.219246	0.395333	0.512209	0.2349	0.415731	0.253663	0.106501	7.401857	7.304333	7.404844	7.811002	7.755744	7.860056	7.69758	7.645466	7.680793
COX19	ENSG0000	0.281117	4.332051	4.388045	0.000378	0.002153	-0.26967	4.387594	4.230384	4.326715	4.367681	4.507984	4.407292	4.659269	4.722281	4.889843	4.242376	4.278766	4.375708	4.203356	4.169652	4.223448	4.438712	4.419196	4.439435
TCAM1P	ENSG0000	0.130269	0.162742	1.172944	0.256557	0.371431	-6.23612	0.318509	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.30464	4.644965	4.512795	3.691919	3.410675	3.540876	4.704254	4.592839	4.698895
RPS2P5	ENSG0000	-0.09086	6.661257	-2.53336	0.021124	0.052545	-4.58613	6.795549	6.820852	6.80449	6.512219	6.564651	6.453835	6.644315	6.656119	6.61411	6.806936	6.803266	6.752444	6.491899	6.550731	6.610916	6.795889	6.762236	6.7271
PPIL3	ENSG0000	0.584248	4.800616	6.90704	2.18E-06	4.01E-05	4.857068	4.654895	4.719916	4.574673	4.960893	4.854473	4.879531	5.555064	5.499594	5.485906	4.561593	4.47541	4.569452	4.633447	4.682664	4.715769	4.783949	4.81246	4.96205
RPL23AP7	ENSG0000	-0.14996	2.383523	-1.0504	0.307842	0.427307	-5.97954	3.313074	3.335139	3.359697	2.255624	2.549605	2.481849	3.178682	3.023117	3.181386	2.338465	2.437987	2.382761	2.24051	2.50126	2.220059	2.400938	2.33471	2.277588
RPL13P5	ENSG0000	0.129871	0.695664	0.958893	0.35069	0.471883	-5.68061	1.430644	1.631689	1.453818	1.578054	1.768674	1.367251	1.459147	1.549165	1.727075	1.199504	1.190799	1.277453	1.365252	1.320413	1.247156	1.250674	1.206659	1.461048
AC010343.	ENSG0000	0.136646	0.416356	1.013706	0.324551	0.444522	-5.57584	1.475543	1.327092	1.358564	1.634586	1.498102	1.250575	1.389995	1.430416	1.50602	1.073118	1.07167	0.993481	1.018891	1.16289	1.046067	1.177011	1.024588	1.170016
LRRFIP1P1	ENSG0000	0.11199	0.683172	0.58753	0.564362	0.674459	-6.04905	1.010037	0.940485	0.898566	1.182548	1.373859	0.984419	0.886508	1.549165	1.01237	1.787595	1.827525	1.718241	2.096181	1.462417	1.826726	1.903678	1.547811	1.81044
FOXO3B	ENSG0000	0.049086	1.713231	0.522699	0.607747	0.709906	-6.35097	1.561356	1.591918	1.706811	1.634586	1.666451	1.623325	1.867984	1.491012	1.620777	2.620402	2.590228	2.615819	2.661114	2.784257	2.449456	2.639009	2.552239	2.760563
LINC00973	ENSG0000	-0.36464	2.317453	-3.38547	0.003407	0.01241	-2.4387	2.589523	2.356396	2.274882	0.258133	0.730585	0.657796	1.317361	1.491012	1.50602	5.167627	5.072251	5.158919	2.95881	2.671787	2.481722	4.84468	4.917433	4.926702
TM4SF1-AS	ENSG0000	-0.35753	0.614791	-1.5065	0.149799	0.244397	-5.09985	1.861169	1.465573	1.406977	0.742604	0.92021	1.188496	1.160105	1.491012	1.314712	1.76051	1.190799	1.585733	1.573426	1.591687	1.639204	1.286141	1.206659	1.416439
AADACP1	ENSG0000	0.821977	0.93993	1.929109	0.070117	0.135322	-4.31638	4.538049	4.564207	4.429894	3.851999	3.867423	4.121933	5.243334	5.263813	5.041756	0.190076	0.106501	0.16959	0.407676	0.671977	0.263213	0.393424	0.358227	0.409347
ISY1	ENSG0000	-0.15548	3.875362	-1.90578	0.073261	0.140219	-5.32336	3.672523	3.777682	3.65856	3.06262	2.881616	3.200652	3.523527	3.335526	3.771595	4.588795	4.758608	4.604122	4.410831	4.565575	4.342433	4.511692	4.542904	4.477932
PNMA2	ENSG0000	1.187174	2.096446	7.171882	1.33E-06	2.69E-05	5.58828	0.742531	0.8079	0.756332	2.21912	1.953662	2.481849	1.389995	1.082132	1.01237	2.881509	3.21391	2.883807	4.279599	4.279275	4.389961	4.078031	4.304002	3.897964
ARHGEF25	ENSG0000	-0.08946	1.849073	-0.45817	0.652477	0.748797	-6.15268	3.476616	3.439663	3.688245	3.456785	3.574682	3.26222	3.33403	3.491964	3.357206	0.834246	1.190799	1.305813	1.573426	1.320413	1.488568	0.930351	1.442809	1.170016
PEDS1	ENSG0000	-0.13041	6.125024	-2.21348	0.040428	0.087803	-5.09368	6.838076	6.867402	6.926789	6.402548	6.405176	6.287974	6.827098	6.706499	6.830763	5.761354	5.699809	5.799558	5.551958	5.534411	5.473701	5.629975	5.574859	5.544626
RDH14	ENSG0000	-0.26421	4.013973	-3.18825	0.005238	0.017522	-2.73345	4.776503	4.719916	4.626705	4.59836	4.293254	4.393601	4.496094	4.59693	4.475104	3.772076	3.682218	3.91004	3.60569	3.752319	3.793113	3.358427	3.587665	3.519884
NDUFB2-A	ENSG0000	-0.52433	0.123319	-1.91407	0.07213	0.138419	-4.41127	1.384302	1.118985	1.146821	1.182548	1.006428	1.310092	0.983587	0.387194	0.515351	1.158593	1.265082	1.360915	1.121891	1.120667	1.17005	1.13872	1.442809	1.322858
PLCXD2	ENSG0000	0.102014	0.507945	0.431671	0.671258	0.763385	-5.95233	1.602421	1.551021	1.585853	1.74141	1.768674	1.880533	1.762502	2.184314	1.445026	1.116489	0.583785	0.993481	1.336984	1.2438	1.08859	0.738851	0.816175	0.872651
MIF	ENSG0000	0.434927	4.763706	6.458321	5.15E-06	7.61E-05	3.992998	4.776503	4.830853	5.002498	4.833866	5.176125	4.884435	5.42715	5.098392	5.33439	4.377757	4.498689	4.405499	4.524863	4.588991	4.448272	4.917167	4.843731	4.771534
TPM3P9	ENSG0000	0.476484	3.943426	4.759252	0.000169	0.001147	0.552924	3.313074	3.042358	3.06005	3.840029	3.630051	3.786958	3.761137	3.856799	3.808383	4.412971	4.55159	4.389024	4.260913	4.331113	4.364231	4.808549	4.687803	4.898598
NSUN6	ENSG0000	-0.08006	2.633333	-0.7878	0.441366	0.562207	-6.35804	2.461454	2.425906	2.221741	2.291228	2.737798	2.719893	2.545421	2.357042	2.501332	3.0698	3.322263	3.400153	3.449427	3.263212	3.412858	2.979529	3.2466	3.176297
YAE1	ENSG0000	0.116818	4.027764	1.463223	0.161158	0.258634	-5.91288	4.12413	4.058659	4.019345	4.152252	3.945887	4.256608	4.283766	4.109604	4.380548	3.914031	3.930661	4.003908	4.309002	4.279275	4.284167	3.923315	4.035699	4.094818
CRCP	ENSG0000	-0.12035	5.861096	-3.14099	0.005804	0.018979	-3.23783	6.090422	6.122277	6.10638	5.878371	5.862477	5.942611	5.994216	6.114582	5.978177	5.927333	5.867156	5.850985	5.672801	5.620257	5.751886	5.734772	5.692129	5.754064
WWTR1-A	ENSG0000	-0.00392	-0.54905	-0.01231	0.990318	0.993527	-6.08451	0.318509	0.582935	0.679585	0.52061	0.389229	0.461789	0.269385	0.509405	0.106501	1.555182	1.228418	1.219002	1.218025	1.738515	1.284217	1.627702	1.67689	1.461048
SUCLG2-A	ENSG0000	-0.15745	0.638674	-0.62236	0.541739	0.65362	-5.87469	2.021155	2.232543	2.248556	2.291228	1.996426	2.098749	1.816207	1.809233	1.674905	0.669294	0.941811	0.884879	0.701742	0.612281	1.247156	0.837776	1.206659	1.058313
RPL36A	ENSG0000	-0.19224	1.33548	-0.98217	0.33942	0.460415	-5.84047	1.990546	2.09705	1.853768	1.74141	1.2379	1.840725	1.816207	1.710758	1.50602	2.033684	2.285719	1.562415	2.079215	1.681564	1.947161	1.734264	1.878239	2.119598
CD302	ENSG0000	0.505732	3.458974	5.431889	4.07E-05	0.00038	2.138178	3.026682	3.100202	2.966237	3.851999	3.796595	3.848471	3.774765	3.956862	3.628063	3.385609	3.431133	3.426222	3.752032	3.90938	3.760608	3.603046	3.68296	3.753014
ATP5MF	ENSG0000	-0.02901	5.305315	-0.58569	0.565573	0.67517	-7.05015	5.799565	5.713495	5.724733	5.70112	5.78836	5.759919	5.687041	5.7054	5.836943	4.98955	5.006104	4.976888	4.790225	5.060335	4.85468	4.928434	4.930438	4.942519
PTPRG-AS1	ENSG0000	-0.54729	0.973139	-3.56446	0.002301	0.009039	-1.45577	2.109269	2.258179	2.621113	1.326771	1.087782	1.123626	1.588238	1.809233	1.727075	2.078238	1.851833	1.820066	1.054048	1.032323	0.760679	1.734264	1.581179	1.739782
ARPC4	ENSG0000	0.107196	6.272538	2.502616	0.02251	0.055259	-4.60821	5.801771	5.772502	5.690917	6.017729	6.089305	6.006972	6.081788	5.965067	5.967373	6.640499	6.579556	6.616123	6.725859	6.739561	6.705311	6.61943	6.62298	6.619292
ARPC1A	ENSG0000	0.789665	7.182456	8.901514	6.60E-08	2.70E-06	8.181571	6.65135	6.576571	6.569487	7.522532	7.482199	7.519333	7.740886	7.740192	7.733565	6.825024	6.805602	6.83321	7.225804	7.175015	7.234727	7.332323	7.252399	7.255472
AC002467.	ENSG0000	-0.60126	1.117579	-2.55931	0.020018	0.050348	-3.44964	2.392887	2.283367	2.079636	1.393812	1.2379	0.984419	2.058296	1.367163	2.005764	1.676063	1.8028	2.021603	1.755315	1.819936	1.456457	1.599785	1.406038	1.322858
LINC00893	ENSG0000	-0.67176	0.212313	-2.79598	0.012177	0.034061	-2.87185	0.882475	0.661886	0.829201	1.104644	0.92021	1.422231	0.782422	0.726566	0.39151	1.616888	1.588084	1.188864	2.145912	2.148862	2.23906	0.738851	1.072305	1.322858
ATP5PO	ENSG0000	0.097213	3.793607	1.463916	0.160971	0.25842	-5.84941	3.999005	3.888531	3.871922	3.988393	4.061165	3.982555	4.101117	3.89093	3.856018	3.737768	3.605665	3.834184	3.825085	4.016884	3.916269	3.928936	3.876817	3.779675
PLEKHO2	ENSG0000	0.224009	2.441811	1.891558	0.07524	0.143172	-4.839	2.609804	2.49222	2.830836	2.887595	3.188693	2.845893	2.576877	3.083395	2.892531	2.37464	2.320972	2.328504	2.770846	2.850343	2.99902	2.568742	2.33471	2.610232
C8orf58	ENSG0000	-0.32192	3.098311	-2.00223	0.061026	0.121412	-4.87291	3.87042	3.863696	3.819232	2.97776	3.112982	2.719893	2.981245	2.981485	3.104585	3.123934	3.175905	3.360144	3.332595	3.320292	3.126936	3.324713	3.307681	3.291935
PISD	ENSG0000	0.604692	7.085953	5.375517	4.58E-05	0.000413	1.601216	8.422943	8.383218	8.463352	9.310347	9.308346	9.279344	9.32129	9.231246	9.326657	5.14686	5.082559	5.123508	5.322513	5.350262	5.328241	5.175396	5.179522	5.191165
HOGA1	ENSG0000	0.063161	0.167079	0.300785	0.767127	0.836615	-5.92526	1.681202	1.849715	1.987129	1.688986	1.666451	2.064596	1.762502	1.658879	2.202855	0.483018	0.640699	0.683459	0.745413	0.484926	0.760679	0.576451	0.637375	0.659518
PWP2	ENSG0000	-0.00586	1.411512	-0.05317	0.958198	0.97337	-6.95943	0.216396	0.499412	0.512639	0.395333	0.25478	0.461789	0.415731	0.915275	0.735084	4.61171	4.45175	4.657367	4.431031	4.095289	4.209066	4.492842	4.49993	4.557121
AC109466.	ENSG0000	0.919937	-0.63726	3.841956	0.00125	0.005602	-0.79891	3.183753	3.07157	3.148134	4.181007	4.009905	3.722706	3.916741	3.956862	4.08316	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
PI4KA	ENSG0000	0.404711	6.05632	5.367362	4.66E-05	0.000419	1.560814	5.394524	5.346137	5.366116	6.352868	6.283111	6.29167	5.994216	5.978357	6.056723	6.037207	6.08018	6.057937	6.491899	6.377781	6.489229	6.288825	6.303737	6.237028
PRR34-AS1	ENSG0000	-0.00659	0.848481	-0.04658	0.963376	0.976331	-6.168	1.384302	1.226787	1.30847	1.933905	1.718467	1.623325	1.074544	1.549165	1.445026	1.555182	1.498542	1.46518	1.621093	1.766169	1.695314	1.512637	1.406038	1.416439
RPL7AP6	ENSG0000	-0.1257	1.524604	-0.55668	0.584807	0.690492	-6.10482	2.051128	2.308123	2.681399	2.103714	2.490996	2.652511	2.513265	2.511284	2.471058	2.078238	1.588084	1.49011	1.689764	1.681564	1.639204	1.320757	1.766644	0.999041
MUC20-OT	ENSG0000	-0.05982	2.57401	-0.53909	0.596624	0.699861	-6.60035	2.218961	1.780637	2.049454	2.143217	1.718467	2.258349	2.226405	2.451551	1.962896	3.659289	3.554746	3.513924	3.714069	3.695921	3.856005	3.272618	3.476789	3.601852
AMACR	ENSG0000	-0.26843	0.664452	-1.59961	0.127605	0.216032	-4.94554	1.519087	1.883052	1.62731	1.104644	1.437317	1.367251	1.160105	1.367163	1.564539	1.388276	1.190799	1.46518	1.446877	1.357245	1.390007	1.387593	1.2488	1.222783
MTFP1	ENSG0000	0.422839	0.495658	1.52314	0.145612	0.238852	-5.01671	1.069823	1.061904	1.256574	1.688986	1.909591	1.310092	1.648695	1.549165	1.38134	1.116489	1.152172	1.60868	1.054048	0.7293	0.910419	1.320757	1.206659	1.703111
SNHG3	ENSG0000	-0.63068	4.745671	-5.84738	1.74E-05	0.000196	2.728737	4.744758	4.760843	4.681852	4.456603	4.158524	4.233737	4.629578	4.603806	4.700591	5.516232	5.604673	5.543827	4.863895	4.922739	5.063622	4.574001	4.680124	4.698895
AC093904.	ENSG0000	0.460143	-1.18971	4.245081	0.000516	0.00277	-0.06214	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	1.8028	2.004401	2.452975	2.642244	2.574402	2.229352	2.37332	2.174206
ARHGDIG	ENSG0000	-0.32954	-1.69587	-1.07547	0.296789	0.415781	-5.29419	2.245129	2.179863	2.700947	1.326771	1.556428	1.188496	1.648695	2.324112	2.34318	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CRYZL2P	ENSG0000	-0.2221	3.027643	-1.63423	0.120094	0.206083	-5.41682	3.643304	3.439663	3.408073	3.020814	2.926537	3.016392	3.405851	3.698786	3.236418	3.236329	3.055486	3.203153	3.303673	3.162755	3.281558	2.794876	2.934355	2.880366
ARFGAP3	ENSG0000	-0.05712	5.612303	-0.91045	0.374972	0.49732	-6.88439	5.177303	5.309824	5.241504	5.842822	5.827376	5.872779	5.157514	5.241941	5.169792	5.75279	5.724702	5.884278	6.043504	6.046769	6.094687	5.63686	5.729813	5.824043
C22orf39	ENSG0000	0.121319	3.855005	1.393431	0.180958	0.28267	-5.98674	3.142584	3.516026	3.25779	4.122913	3.784444	4.113606	3.617275	3.659726	3.746538	4.114515	4.186209	4.083875	4.531115	4.51757	4.562043	4.236002	3.961615	4.101878
PEG10	ENSG0000	0.995917	7.441183	23.44571	1.19E-14	2.81E-11	23.84267	4.439509	4.366251	4.294909	6.102842	5.905185	6.072885	5.461262	5.293887	5.396113	8.767241	8.786703	8.64951	10.58568	10.51482	10.59554	9.703378	9.691406	9.731103
STAG3L5P	ENSG0000	-0.19189	1.515915	-0.78392	0.443585	0.564463	-5.95908	1.791852	1.849715	2.166567	2.393052	2.078331	2.258349	1.917967	2.324112	1.873138	1.964162	1.967585	1.305813	2.491955	2.657091	2.449456	1.387593	1.2488	1.58715
AC073861.	ENSG0000	-0.13441	0.826847	-0.66593	0.514149	0.629072	-5.93613	1.990546	1.591918	1.888281	1.933905	1.556428	1.422231	1.966276	1.549165	1.620777	1.676063	1.369793	1.094478	1.186687	1.120667	1.284217	1.017342	1.478665	1.416439
EIF6	ENSG0000	-0.60101	7.009057	-5.00335	0.0001	0.000759	0.656552	7.356094	7.302656	7.325835	5.89871	6.187154	6.083584	6.143489	6.256606	6.190479	7.783681	7.698321	7.823321	7.265716	7.182731	7.221055	7.595695	7.518264	7.560388
AC093627.	ENSG0000	0.682436	0.185248	2.695152	0.015069	0.040233	-3.07503	1.010037	0.499412	0.756332	1.326771	0.730585	0.984419	0.886508	0.915275	1.171446	0.982259	0.89579	1.49011	1.365252	1.622273	1.51998	1.286141	1.442809	1.973284
MRPL20	ENSG0000	-0.02641	6.388364	-0.67508	0.50846	0.623953	-7.20935	6.218111	6.221723	6.128204	5.927278	6.005424	5.942611	6.297757	6.109759	6.293548	6.740916	6.823381	6.822209	6.491899	6.566546	6.566478	6.718492	6.737476	6.704087
ARPIN	ENSG0000	0.331312	4.378681	5.821936	1.83E-05	0.000202	2.716735	3.373632	3.61855	3.270929	4.041626	4.1009	4.062605	3.507292	3.84524	3.771595	4.864753	4.916753	4.909182	5.380791	5.417203	5.517157	5.168285	5.258994	5.239981
HLA-DMB	ENSG0000	-0.57972	-0.07143	-1.78788	0.091146	0.165946	-4.53412	1.12723	1.002471	0.598525	1.393812	0.828511	1.250575	1.074544	1.301009	0.735084	1.028404	1.029669	1.219002	1.336984	1.357245	1.488568	0.517985	0.504542	0.734116
TUBAP13	ENSG0000	-0.73755	0.985594	-2.46457	0.024344	0.058798	-3.61643	1.18244	1.226787	1.028027	1.74141	1.768674	2.132113	0.548589	1.231675	0.39151	2.510897	2.285719	2.243088	2.314863	2.016959	1.947161	1.926335	2.006592	1.739782
DECR2	ENSG0000	-0.25312	3.965599	-1.85256	0.08091	0.151771	-5.24423	4.693417	4.787496	4.883506	4.350907	4.573001	4.400463	4.393833	4.533523	4.570996	3.275122	3.501964	3.619375	3.92342	3.813238	3.933868	3.227721	3.449945	3.254409
NA	ENSG0000	-0.16297	0.253604	-0.6027	0.554447	0.664753	-5.93073	0.814199	0.940485	1.146821	1.256461	1.006428	1.310092	0.670238	0.622068	1.314712	1.388276	1.752042	1.360915	0.945898	1.120667	1.320349	1.286141	1.289746	1.739782
CCDC169	ENSG0000	-0.70062	1.705335	-5.85797	1.70E-05	0.000193	3.159392	2.688195	2.403106	2.579475	2.325974	2.078331	2.258349	2.144798	2.184314	1.826075	2.338465	2.074736	2.272125	2.096181	1.819936	1.900186	1.599785	1.737342	1.703111
RTL5	ENSG0000	-1.06599	-1.02843	-2.41337	0.027034	0.063784	-3.45243	2.798329	2.784561	2.865896	3.51817	3.670226	3.459109	1.762502	1.605065	2.34318	0.190076	0.106501	0.288049	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZNF702P	ENSG0000	1.217456	0.067616	16.50993	4.22E-12	2.00E-09	17.7024	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.666603	3.633975	3.549937	5.034222	4.925808	4.975731	4.774615	4.79123	4.844905
AP5Z1	ENSG0000	0.165198	5.276377	1.441269	0.167186	0.265969	-6.14781	5.754732	5.754602	5.939499	6.017729	6.008039	6.053425	6.266749	6.157275	6.273953	4.421642	4.570022	4.679211	4.929259	4.90419	4.87608	4.438712	4.534411	4.177341
AL591895.	ENSG0000	0.195299	0.541633	1.118691	0.278412	0.395909	-5.55431	1.384302	0.875715	0.898566	1.326771	1.2379	0.984419	0.886508	1.367163	1.244857	1.457372	1.435603	1.514616	1.733794	1.528499	1.390007	1.512637	1.513652	1.703111
MRPL33	ENSG0000	-0.2514	6.378945	-1.49788	0.152007	0.247235	-6.31782	6.812054	6.781615	6.755086	6.004384	5.803491	5.830214	6.44991	6.436841	6.502546	6.35383	6.291534	6.411127	6.650335	6.724662	6.797917	6.195146	6.168947	6.179793
MICAL3	ENSG0000	0.114127	5.773214	1.537049	0.142187	0.234422	-6.1959	5.93634	5.924332	5.976061	5.232173	5.367468	5.320436	6.122326	6.097632	6.043926	5.847534	5.89374	5.792059	5.74853	5.637204	5.663227	5.926779	5.951743	5.930982
AC115223.	ENSG0000	-0.17596	2.065952	-1.26358	0.222975	0.332863	-5.64638	2.850396	2.61635	2.600444	2.661411	2.660129	2.719893	2.480375	2.184314	2.501332	2.444376	2.303453	1.986992	2.062048	2.250257	2.07955	2.400938	1.956613	2.277588
PCDHAC2	ENSG0000	-0.07034	1.565585	-0.30333	0.765222	0.835561	-6.19837	2.548084	2.258179	2.138168	3.290819	3.012388	2.94309	2.102195	2.420731	2.501332	1.616888	1.644832	1.585733	1.797417	1.428204	1.17005	1.419885	1.581179	1.322858
PRAF2	ENSG0000	0.143283	2.768561	1.162726	0.260571	0.376096	-5.95826	2.080492	2.55562	2.558197	3.273122	3.188693	3.136338	2.957542	2.801791	2.376228	2.930935	2.865607	3.052298	3.658044	3.666873	3.68641	3.190769	2.696248	3.006111
AC018638.	ENSG0000	-0.57139	1.765086	-4.71109	0.000188	0.001244	0.854843	2.483604	2.332462	2.514675	2.063099	1.864131	1.919272	1.816207	1.710758	1.826075	2.204194	2.66072	2.435052	2.270712	2.06228	2.23906	2.135245	2.101639	2.14716
STMP1	ENSG0000	-0.01363	6.228308	-0.2256	0.824127	0.879781	-7.35986	6.497937	6.543071	6.431492	6.519742	6.436573	6.491278	6.468897	6.454066	6.57728	5.955969	5.9054	5.878389	6.161037	6.258721	6.254955	5.916914	5.862958	5.8578
KCTD7	ENSG0000	1.216077	3.307095	7.015105	1.78E-06	3.40E-05	5.313828	4.381709	4.164126	4.301326	6.37999	6.350594	6.455483	5.527156	5.58894	5.609178	1.423238	1.55885	1.333627	1.99126	2.363215	2.220059	1.734264	1.766644	1.665483
EFNA4	ENSG0000	0.306261	3.33016	3.299811	0.004108	0.014412	-2.41074	2.548084	2.61635	2.621113	3.51817	3.574682	3.498018	3.296733	2.916694	3.389938	3.584041	3.569479	3.658388	4.17569	4.288839	4.232958	3.799922	3.612085	3.761956
C4orf48	ENSG0000	0.595298	3.282582	2.464802	0.024332	0.05878	-3.98721	2.629805	3.298545	3.522358	4.272916	4.327153	4.130213	3.027514	3.160038	3.289427	2.100009	2.674414	2.992487	3.904282	4.084346	4.232958	4.103106	3.404065	2.863849
NAA80	ENSG0000	-0.51576	1.939256	-3.11256	0.006173	0.019949	-2.50488	2.165157	2.152784	2.274882	2.21912	2.366112	1.993763	1.867984	1.082132	2.087859	2.47802	2.701418	2.660429	3.013417	2.671787	2.833866	2.173627	2.552239	2.174206
AC004967.	ENSG0000	-0.05102	1.911465	-0.331	0.744582	0.820382	-6.32091	2.320899	2.332462	2.351095	2.933382	2.605925	2.532704	2.01302	2.147141	2.202855	1.732907	1.967585	2.25768	2.683738	2.127698	2.399663	2.192442	2.078458	1.973284
NA	ENSG0000	0.515341	0.80788	2.098651	0.050664	0.104748	-4.15683	1.336422	1.002471	1.406977	1.888135	1.996426	2.481849	2.01302	1.85606	1.50602	1.457372	1.228418	1.027938	1.248697	1.320413	1.390007	1.286141	1.118494	1.546329
LINC00880	ENSG0000	-0.0633	-1.70049	-0.30932	0.760738	0.832401	-6.02246	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.239286	1.190799	1.46518	1.838325	1.738515	1.488568	1.320757	1.16325	1.273688
IL10RB	ENSG0000	-0.16221	3.769328	-1.52513	0.145118	0.238262	-5.7257	4.09565	4.15733	3.698006	4.052041	4.204846	4.062605	3.80164	3.786013	3.832397	3.591745	3.647924	3.608031	4.191564	4.326476	4.223448	3.462853	3.440885	3.601852
ZNF487	ENSG0000	0.216491	0.514608	0.925381	0.367369	0.489242	-5.61531	1.069823	1.173893	1.088647	2.359902	2.398361	2.258349	1.317361	1.710758	1.445026	0.781331	0.986408	1.158083	1.336984	1.591687	1.247156	0.884806	0.975239	0.659518
WDR92	ENSG0000	0.130258	2.273942	1.341589	0.196902	0.301329	-5.67602	2.369288	2.37994	2.351095	2.21912	2.117603	2.605775	2.480375	2.389238	2.165532	2.574485	2.701418	2.693003	2.781373	2.888589	2.80865	2.782512	2.972579	2.760563
AC018638.	ENSG0000	-0.48151	1.737667	-2.92302	0.009287	0.027443	-2.82561	2.165157	2.37994	2.5366	2.063099	2.299368	2.346268	2.01302	1.367163	1.962896	2.121457	2.453955	2.120715	2.129525	2.363215	2.014873	1.970607	1.878239	2.252429
DUBR	ENSG0000	0.377758	2.807228	2.720551	0.014284	0.038569	-3.33532	2.884092	3.100202	3.013906	4.591236	4.240862	4.480358	3.440463	3.178579	3.60036	2.18395	2.032826	2.07201	2.892375	3.04352	2.98783	2.034568	2.48331	2.397196
NPIPB5	ENSG0000	-0.149	2.544955	-1.21744	0.239619	0.351663	-5.80508	3.011517	2.91921	2.900124	3.308302	3.151334	3.292047	2.779728	2.894433	2.869505	2.664903	2.779525	2.485514	2.83289	2.307842	2.513282	2.432936	2.392244	2.610232
RPLP0P2	ENSG0000	0.053323	0.564188	0.308977	0.760992	0.832537	-6.74783	0.318509	0.410755	0.106501	0.258133	0.25478	0.2349	0.670238	0.509405	0.106501	4.114515	4.097507	4.016833	3.165832	2.950162	3.167173	4.203908	4.023613	3.961444
HLA-L	ENSG0000	0.371774	0.210385	1.700785	0.106706	0.188096	-4.69959	0.814199	0.8079	1.088647	1.519216	1.768674	1.310092	1.525136	0.824004	1.244857	1.073118	0.799097	0.958181	1.308151	1.320413	1.355599	0.974502	1.2488	0.872651
MRPS6	ENSG0000	-0.13263	4.833904	-1.58534	0.130814	0.220082	-5.95986	4.744758	4.860445	4.89628	4.827817	4.752128	4.76722	4.487843	4.467202	4.490278	5.262384	5.133021	5.182053	4.82626	4.804359	4.87608	5.260328	5.115482	5.194471
ZNF512	ENSG0000	-0.08705	4.281027	-0.88818	0.386503	0.508247	-6.61284	4.478633	4.452056	4.388298	4.605448	4.392653	4.293939	4.283766	4.38177	4.364168	4.087524	4.195737	4.15575	4.753268	4.686287	4.642737	4.103106	4.011424	4.143528

AC117386.	ENSG0000	-0.48566	-0.89973	-1.63528	0.119871	0.205801	-5.03962	0.318509	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.387194	0.106501	2.30136	2.372288	2.25768	2.399306	2.48471	2.559363	1.970607	1.547811	1.58715
NFS1	ENSG0000	0.390959	5.551311	6.10172	1.04E-05	0.000132	3.161999	5.397444	5.300601	5.390399	5.944151	5.690831	5.741121	5.952856	5.896721	5.96466	5.269607	5.334056	5.28358	5.634118	5.534411	5.636606	5.609121	5.489561	5.428683
FAM86DP	ENSG0000	0.099028	4.014384	1.254176	0.226293	0.33665	-6.27172	3.810347	3.741788	3.522358	3.591402	3.457132	3.247073	3.523527	3.619579	3.82044	4.476768	4.555295	4.52189	4.823716	4.649638	4.613913	4.644018	4.706825	4.656368
DDOST	ENSG0000	0.180295	8.887936	4.909325	0.000123	0.000887	0.341137	8.517895	8.476264	8.49449	8.796667	8.808875	8.80774	8.53039	8.542642	8.570393	8.96668	8.90577	8.95501	9.331152	9.317772	9.324847	9.243838	9.208662	9.241649
TMEM199	ENSG0000	-0.2265	5.191747	-5.74248	2.15E-05	0.00023	2.457298	5.304069	5.39028	5.378308	5.12773	5.124043	4.997371	5.183289	5.048863	5.169792	5.435051	5.463921	5.429264	5.113436	5.13912	5.195925	5.208123	5.19577	5.274758
P2RY11	ENSG0000	-0.40234	3.201407	-4.41625	0.000355	0.002051	0.058674	4.206344	4.087546	4.215584	3.325575	3.656958	3.419122	3.965091	4.050434	3.844255	3.226465	3.322263	3.218152	2.706013	2.627242	2.618601	2.75746	2.741225	2.649309
TMEM141	ENSG0000	0.187617	4.016848	2.772919	0.012787	0.035441	-3.64792	3.895419	3.759847	3.62825	4.199863	4.081169	4.079806	4.090259	3.999201	4.189248	3.997596	4.186209	4.075663	4.404034	4.425185	4.394205	4.062774	4.242761	4.216898
IFITM10	ENSG0000	0.230101	5.175065	2.310197	0.033322	0.075419	-4.89682	3.919992	3.759847	3.93931	3.472378	3.502343	3.405543	3.941119	3.833587	3.796224	6.362863	6.497192	6.483521	7.080985	7.08318	7.045327	6.786632	6.759506	6.664102
GATA2-AS1	ENSG0000	0.164987	2.637441	1.25817	0.224879	0.334932	-5.83511	2.392887	2.55562	2.739267	2.633943	2.991399	2.581827	2.607661	2.676938	2.697131	2.650221	2.980302	2.660429	3.46257	3.637228	3.556108	2.990321	2.881762	2.880366
DUXAP10	ENSG0000	0.084964	3.200304	0.887064	0.387088	0.508794	-6.48598	2.649532	2.308123	2.830836	2.548252	2.737798	2.763128	2.806512	2.650616	2.588518	4.13575	3.848485	3.896118	4.131114	4.317159	4.419411	3.945668	3.929587	4.249053
AC024293.	ENSG0000	-0.02053	1.712994	-0.12417	0.902596	0.935432	-6.3474	2.109269	2.425906	2.621113	2.103714	2.333126	2.064596	2.376953	2.184314	2.588518	2.078238	2.011405	1.73919	1.818016	1.793303	2.18129	2.135245	1.581179	1.973284
AC116533.	ENSG0000	-0.1089	2.857344	-0.67187	0.510449	0.625673	-6.37353	3.738482	3.286138	3.678418	3.688057	3.546181	3.498018	3.774765	3.415864	3.668646	3.102524	2.935512	2.328504	2.491955	2.344993	2.257813	2.300453	2.568968	2.59029
ETV5	ENSG0000	-0.01565	5.064197	-0.08958	0.929643	0.953885	-7.1602	5.786261	5.754602	5.764758	5.854769	5.932971	5.855404	5.967764	6.050595	5.875015	4.77625	4.973242	4.864598	3.794228	3.544454	3.644271	4.595365	4.563921	4.515429
AC147067.	ENSG0000	-0.29141	0.577518	-1.18482	0.251952	0.36629	-5.38623	1.642349	1.744817	1.667608	2.063099	1.864131	1.993763	0.886508	1.367163	1.01237	0.7264	0.848253	1.094478	1.711947	1.528499	1.390007	0.974502	1.072305	1.222783
RBM12	ENSG0000	0.1978	7.708932	3.741588	0.001559	0.006658	-2.13382	7.935384	7.939597	7.948774	7.681071	7.638874	7.707465	8.267292	8.235766	8.163832	7.486424	7.443795	7.455168	7.436967	7.409544	7.403177	7.562181	7.577852	7.598325
OR2A1-AS1	ENSG0000	-0.01066	-1.31004	-0.04869	0.961722	0.975489	-6.14552	0.216396	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.388276	1.403073	1.839597	2.24051	2.48471	2.382676	1.542275	1.442809	1.665483
APOBEC3C	ENSG0000	-0.30657	4.971464	-2.40708	0.027383	0.064455	-4.50832	6.016387	5.885792	6.033084	5.428807	5.454395	5.327654	5.405414	5.458458	5.383978	4.30932	4.327249	4.362268	4.659362	4.627193	4.653399	4.398766	4.283876	4.394143
NA	ENSG0000	-0.22101	0.73028	-0.8991	0.380819	0.502753	-5.776	1.430644	1.420874	1.585853	1.182548	1.164793	0.984419	1.70672	1.301009	1.50602	1.388276	1.498542	1.538714	1.99126	1.652223	1.900186	1.13872	1.547811	1.058313
MIATNB	ENSG0000	0.179733	0.784904	0.9862	0.337492	0.458498	-5.68375	1.602421	1.631689	1.358564	1.519216	1.612488	1.623325	1.389995	1.231675	1.620777	1.239286	1.467416	1.158083	1.667235	1.320413	1.355599	1.833493	1.368306	1.461048
UBE2V1	ENSG0000	0.609856	0.807575	2.354219	0.030489	0.070018	-3.81019	1.010037	0.736739	1.256574	1.256461	0.92021	0.830331	1.588238	1.710758	1.564539	1.964162	1.403073	1.360915	1.878105	2.288901	2.161508	1.542275	1.82352	2.091498
PTCHD4	ENSG0000	0.209999	0.654872	0.484538	0.63402	0.732924	-5.86796	2.668993	2.655462	3.06005	3.408969	2.970101	2.629332	2.637802	2.916694	3.044176	0.269074	0.259702	0.397516	0.982856	1.120667	1.08859	0.257084	0.637375	0.497646
BX679664.	ENSG0000	-0.53416	0.892953	-2.78748	0.012399	0.034579	-2.92448	2.218961	1.947501	2.138168	2.21912	1.864131	1.669505	2.058296	1.605065	1.50602	1.457372	1.112482	1.439812	1.121891	1.560439	1.17005	1.058946	1.118494	0.93723
N4BP2L2	ENSG0000	0.030225	5.603146	0.445139	0.661683	0.756451	-7.23013	5.346988	5.291319	5.287484	5.303647	5.152684	5.276352	5.32896	5.473553	5.466856	5.826467	5.95112	5.816905	6.138693	6.087072	6.12437	5.817396	5.768349	5.958469
GABPB1-AS	ENSG0000	-0.66966	3.275339	-7.34549	9.67E-07	2.09E-05	5.862098	3.520128	3.248262	3.217639	3.041869	3.225109	3.200652	2.752438	3.002451	2.82232	3.991785	3.992097	4.016833	3.819988	3.779712	4.056758	3.123735	3.546022	3.340497
LIFR-AS1	ENSG0000	-0.38388	0.494381	-2.06869	0.053699	0.109733	-4.25662	1.069823	1.118985	0.756332	0.934951	1.087782	1.123626	0.886508	1.082132	0.515351	1.940223	1.945166	1.562415	1.644349	1.819936	1.992654	1.627702	1.442809	1.504318
LINC00847	ENSG0000	-0.16942	3.630883	-2.33951	0.03141	0.07182	-4.42661	3.27548	3.114308	3.309643	3.503067	3.832443	3.584921	2.779728	3.102941	2.892531	4.13047	4.242453	4.033888	4.515435	4.585115	4.617548	4.057652	4.065478	3.961444
MALINC1	ENSG0000	-0.246	0.609875	-0.94286	0.358602	0.480441	-5.68084	1.681202	1.708084	2.018628	1.104644	1.164793	1.669505	1.317361	1.549165	1.727075	1.52331	0.848253	1.188864	1.054048	1.393161	1.580823	1.13872	1.16325	0.999041
RNF139-AS	ENSG0000	0.012377	0.056317	0.044534	0.964983	0.977196	-6.07359	1.12723	1.061904	0.598525	0.635873	0.828511	0.909432	0.782422	1.367163	1.01237	1.028404	1.190799	1.333627	1.27873	1.320413	1.488568	0.738851	1.289746	1.416439
AC105285.	ENSG0000	-0.10678	0.91248	-0.3833	0.706119	0.790976	-6.04004	2.080492	2.009193	2.300736	1.933905	1.864131	1.956998	1.917967	2.357042	1.564539	0.88529	0.941811	0.958181	1.621093	1.819936	1.667532	1.058946	0.975239	0.872651
USP2-AS1	ENSG0000	-1.09836	-0.03639	-3.61724	0.002049	0.008224	-1.26338	1.235614	1.551021	1.667608	0.742604	0.512209	0.909432	0.415731	0.387194	0.515351	1.158593	1.55885	1.413989	1.392977	1.203912	1.08859	1.099384	0.975239	1.461048
AC008393.	ENSG0000	-0.9493	-0.00524	-2.71665	0.014402	0.038821	-3.02682	1.18244	1.277811	1.146821	0.934951	0.389229	0.461789	0.886508	0.387194	0.735084	1.199504	1.55885	1.439812	1.573426	1.652223	1.947161	0.930351	1.368306	0.659518
NEAT1	ENSG0000	0.340973	6.806794	1.998267	0.06149	0.122183	-5.51875	6.93771	7.011913	7.000618	7.884161	7.55553	7.997255	7.268717	7.412266	7.662504	5.612151	6.065964	5.330922	7.124531	7.119145	7.207854	5.555628	5.906389	6.152853
SCAMP1-A	ENSG0000	-0.22725	2.994011	-1.53234	0.143339	0.235938	-5.59749	2.90065	2.950996	2.812981	2.887595	2.460774	2.94309	2.779728	3.043491	3.143496	3.446357	3.232543	3.641797	3.840269	3.852467	3.916269	3.053433	3.149837	3.121769
FAM111A-	ENSG0000	0.33018	1.126069	1.929329	0.070088	0.135284	-4.5829	1.12723	1.277811	1.028027	1.457877	1.718467	1.250575	1.160105	1.15884	1.873138	1.646779	2.174476	1.73919	2.300295	2.467968	2.416453	1.970607	2.006592	2.200755
BDNF-AS	ENSG0000	0.172405	-0.05444	0.730891	0.474531	0.593653	-5.87051	0.742531	0.736739	0.898566	0.395333	0.828511	0.563119	0.415731	0.509405	0.515351	1.239286	1.644832	1.158083	1.498836	1.591687	1.775589	1.809319	1.707432	1.546329
KLRK1-AS1	ENSG0000	0.097634	-1.12866	0.235218	0.816774	0.874356	-6.06952	0.106501	0.106501	0.421314	0.258133	0.106501	0.106501	0.415731	0.387194	0.515351	1.352446	1.467416	1.514616	1.548989	1.591687	1.826726	1.058946	1.072305	1.322858
ZNF585B	ENSG0000	1.456136	4.433405	8.378866	1.57E-07	5.09E-06	7.611048	3.911847	3.99909	3.889066	5.05192	5.024245	5.080903	5.781194	5.795247	5.629879	3.403229	3.562131	3.125724	4.642137	4.739573	4.70214	4.285035	4.237539	4.347382
CRNDE	ENSG0000	-0.02174	3.962685	-0.16624	0.869875	0.912409	-6.98248	4.059241	3.786518	3.736403	4.218476	4.051057	4.018682	3.928981	3.761625	3.968647	4.30932	4.435757	4.456986	3.635009	3.819851	3.8186	4.434767	4.242761	4.341429
CEBPA	ENSG0000	0.778684	1.282491	3.587724	0.002187	0.008665	-1.34696	2.725848	3.07157	2.900124	3.273122	3.170134	2.885561	3.440463	3.646467	3.628063	0.834246	0.695454	0.54756	0.828978	1.203912	0.533283	1.13872	0.816175	1.115245
RAD51-AS1	ENSG0000	-0.47756	1.220557	-2.10549	0.049994	0.10363	-4.33947	1.12723	1.551021	1.30847	0.841981	1.307481	1.422231	1.459147	1.231675	1.314712	2.224158	2.531245	2.228347	2.892375	2.714997	2.833866	1.542275	2.169028	1.775544
SNHG6	ENSG0000	0.10835	6.068202	2.293833	0.034437	0.077302	-4.95105	6.1847	6.302485	6.219134	6.33592	6.278786	6.244779	6.462596	6.489769	6.439449	5.853955	5.818649	5.895985	5.76321	5.892207	5.901004	5.882568	5.823417	5.843128
LINC01184	ENSG0000	0.313851	5.08075	5.428457	4.10E-05	0.000381	1.845666	4.917414	4.778666	4.900514	5.436777	5.53638	5.451761	5.253102	5.380521	5.325957	4.81954	4.86395	4.86698	5.144351	5.289623	5.186167	4.975361	5.060349	5.059556
SEPTIN7P1	ENSG0000	-0.3087	2.255901	-2.64542	0.016728	0.043698	-3.48132	2.668993	2.836538	2.739267	2.791417	2.605925	2.317553	2.376953	2.451551	2.697131	2.749986	2.877496	2.422156	2.300295	2.288901	2.433049	2.300453	2.429363	2.464474
RAB30-DT	ENSG0000	-0.12416	2.776865	-0.95398	0.353104	0.474414	-6.33921	2.568952	2.76681	2.109199	2.181668	1.612488	2.288255	2.412257	2.650616	2.723053	3.576295	3.774119	3.764372	3.762697	3.606961	3.754018	3.530961	3.476789	3.56145
NUDT16L2	ENSG0000	0.036653	2.052742	0.329523	0.745677	0.821334	-6.7444	0.814199	0.875715	0.829201	1.326771	1.164793	1.575618	1.240874	0.915275	1.674905	3.93235	3.975599	4.016833	4.155599	4.084346	3.974116	3.951202	3.903444	3.87342
AC016065.	ENSG0000	-0.41601	1.080103	-2.17398	0.043713	0.093344	-4.18992	1.681202	2.009193	1.921989	1.457877	0.92021	0.984419	1.525136	1.001115	1.314712	1.865926	2.032826	2.25768	1.776519	1.652223	2.07955	2.013561	1.930959	1.877799
RRS1-AS1	ENSG0000	-0.26889	-0.51518	-1.32651	0.201744	0.307122	-5.22582	0.587539	0.499412	0.512639	0.52061	0.25478	0.3528	0.548589	0.509405	0.515351	1.116489	1.403073	1.46518	1.573426	1.320413	1.284217	1.099384	1.072305	1.170016
KCTD21-AS	ENSG0000	-0.43153	-0.70175	-1.47273	0.158603	0.25554	-5.19942	0.503316	0.316291	0.421314	0.106501	0.25478	0.106501	0.106501	0.253663	0.256032	1.555182	1.875739	2.198406	2.439743	2.016959	1.900186	1.734264	1.707432	1.58715
AL353807.	ENSG0000	0.272565	1.203016	1.56147	0.136337	0.227276	-5.16466	1.642349	1.420874	1.585853	1.791994	1.164793	1.123626	2.186178	2.220554	1.777424	2.14259	2.011405	1.915176	1.711947	1.282615	1.639204	2.013561	1.90484	2.091498
UBR5-AS1	ENSG0000	-0.49517	1.055905	-1.44162	0.167089	0.265895	-5.2681	2.080492	2.152784	1.78216	0.934951	0.828511	1.188496	1.317361	2.029503	1.564539	1.586365	1.875739	1.67541	2.225168	2.363215	2.330481	1.387593	1.2488	1.58715
SBF2-AS1	ENSG0000	-0.19844	1.265524	-1.27834	0.217845	0.326745	-5.45414	2.392887	2.09705	1.888281	1.978268	1.817192	1.993763	2.186178	1.760835	1.777424	1.646779	1.498542	1.839597	1.336984	1.591687	1.695314	1.65509	1.645686	1.461048
PRR7-AS1	ENSG0000	-0.2581	-0.09844	-0.8083	0.429784	0.551081	-5.74779	1.235614	1.327092	1.499186	0.395333	0.389229	0.909432	0.983587	1.231675	0.925731	0.934589	1.265082	1.027938	0.828978	1.120667	0.957066	0.686723	1.072305	1.58715
AC138904.	ENSG0000	-0.63689	0.36897	-3.81181	0.001336	0.005904	-1.13338	0.41387	0.410755	0.829201	0.258133	0.25478	0.3528	0.106501	0.253663	0.515351	3.50465	3.439177	3.71764	2.529911	2.581279	2.23906	2.990321	3.104657	3.135595
UBE2D3-AS	ENSG0000	-0.158	0.424602	-0.65315	0.522156	0.636237	-5.90211	1.18244	0.661886	1.30847	1.578054	1.612488	1.250575	0.782422	0.726566	0.735084	1.555182	1.435603	1.248523	1.667235	1.357245	1.580823	1.320757	1.513652	1.546329
AC100861.	ENSG0000	-0.32849	2.933495	-3.00306	0.00782	0.023897	-3.02937	3.085796	3.100202	2.966237	2.457149	2.366112	2.374422	2.144798	2.357042	2.376228	3.857636	3.748453	3.999574	3.228726	3.606961	3.502077	3.824254	3.675254	3.761956
RASSF8-AS	ENSG0000	0.271882	2.310295	1.698109	0.107219	0.188813	-4.9786	3.86199	3.863696	3.828148	4.020568	3.967543	4.018682	4.205428	4.221128	4.252911	1.158593	1.403073	1.439812	1.621093	1.681564	1.749324	1.286141	1.072305	1.370407
H2AJ	ENSG0000	0.280947	4.483578	3.183567	0.005292	0.01766	-3.03747	3.27548	2.76681	3.044832	3.533117	3.747367	3.459109	3.072345	2.825515	2.981126	5.831356	5.734541	5.877208	5.970627	5.978961	5.969444	6.215985	6.18667	6.041596
AP000487.	ENSG0000	0.02575	-0.18744	0.108781	0.914615	0.94336	-6.10773	0.318509	0.661886	0.679585	0.635873	0.512209	0.3528	0.782422	0.509405	0.833554	1.315703	1.435603	1.60868	1.838325	1.357245	1.610309	1.320757	1.478665	1.222783
LINC00920	ENSG0000	-0.36752	2.684871	-2.61365	0.017877	0.045968	-3.5768	3.643304	3.804029	3.565652	3.376187	3.242978	3.119801	3.137083	2.981485	3.162566	2.461296	2.249583	2.510098	2.614772	2.657091	2.76998	2.384669	2.33471	2.419973
UBAP1L	ENSG0000	-0.26509	0.756129	-1.24732	0.228735	0.339397	-5.42225	1.18244	1.508929	1.202741	1.326771	1.556428	1.757653	1.389995	1.367163	1.445026	1.814181	1.8028	1.631268	1.689764	1.077171	1.355599	1.286141	1.289746	1.504318
PGAM5	ENSG0000	-0.07589	6.880536	-1.72139	0.102831	0.182689	-6.05855	7.212623	7.179767	7.14498	6.168929	6.259165	6.34244	7.097643	7.02609	7.000662	7.218087	7.148708	7.207589	6.566078	6.534742	6.464215	7.194458	7.17392	7.144463
BAALC-AS1	ENSG0000	-0.02613	0.635065	-0.10701	0.915999	0.944309	-6.37765	1.384302	0.875715	0.679585	0.395333	0.512209	0.746642	0.269385	0.915275	0.735084	2.37464	2.074736	2.152295	2.694919	2.784257	2.559363	2.055273	2.500854	2.48622
SNHG10	ENSG0000	-1.1888	2.550299	-9.10003	4.79E-08	2.11E-06	8.821174	2.296082	2.283367	2.37563	1.791994	2.078331	1.799787	1.317361	2.255906	2.165532	4.290508	4.265255	4.32811	3.53901	3.731427	3.370406	3.032701	3.182818	2.912845
MIR210HG	ENSG0000	1.029097	0.867995	4.78499	0.00016	0.001097	1.045192	0.882475	0.736739	0.898566	1.74141	1.2379	0.909432	1.317361	1.760835	1.50602	1.964162	1.875739	1.653508	1.336984	1.495836	1.488568	2.368215	2.429363	2.687355
AC009126.	ENSG0000	-0.34399	-0.31977	-1.39795	0.179617	0.2811	-5.13298	1.069823	0.8079	0.829201	0.258133	0.730585	0.563119	0.415731	0.622068	0.629397	1.028404	1.265082	1.248523	1.392977	1.16289	1.247156	1.099384	1.16325	1.170016
AC090204.	ENSG0000	0.125468	3.58316	1.314636	0.205623	0.311794	-5.95787	3.603403	4.12286	3.62825	4.132759	3.901574	4.045196	4.057185	4.009594	4.042563	3.385609	3.339557	3.413246	3.629193	3.544454	3.707028	3.423579	3.267249	3.444131
AP000873.	ENSG0000	-0.34637	0.711599	-1.81469	0.086772	0.159904	-4.65619	1.430644	1.173893	1.088647	1.393812	1.087782	1.575618	1.240874	1.15884	0.925731	1.555182	1.851833	1.585733	2.145912	1.528499	1.923865	1.354562	1.2488	1.58715
UBL7-AS1	ENSG0000	-0.08469	1.294095	-0.56304	0.580558	0.687013	-6.29465	1.336422	0.8079	1.453818	1.182548	1.437317	0.984419	1.240874	1.301009	1.314712	2.918737	2.561038	2.615819	2.385571	2.23054	2.23906	2.400938	2.711397	2.507643
ZBED5-AS1	ENSG0000	-0.23813	3.357898	-2.86913	0.010421	0.030053	-3.27891	3.476616	3.647938	3.443319	3.633621	3.6964	3.377995	3.370387	3.26787	3.044176	3.528929	3.612795	3.406715	3.773284	3.86531	3.773698	3.333216	3.394711	3.31642
ZCCHC3	ENSG0000	-0.25937	5.910257	-4.35255	0.000408	0.00229	-0.63622	6.145295	6.146502	6.160332	5.525403	5.419464	5.451761	5.750487	5.7054	5.725949	6.232183	6.197451	6.232444	5.987775	5.94458	5.931986	6.12954	6.066639	6.08143
LY6E-DT	ENSG0000	0.077446	-0.27786	0.294026	0.772201	0.840411	-6.19745	0.318509	0.410755	0.512639	0.258133	0.625525	0.3528	0.548589	0.253663	0.106501	1.98771	1.989662	1.877881	1.897591	1.462417	1.923865	2.075685	2.410923	2.033602
DNAJC3-DT	ENSG0000	0.025603	0.679557	0.133133	0.895609	0.930428	-6.34639	0.318509	0.736739	0.512639	0.841981	1.087782	0.657796	0.886508	1.001115	0.515351	2.263275	2.575707	2.314614	2.638129	2.863205	2.544166	2.095813	2.295039	2.350536
GPRC5D-AS	ENSG0000	0.515699	1.486793	3.787069	0.001411	0.006154	-1.01733	1.475543	1.226787	1.54317	2.291228	2.398361	2.196611	1.459147	1.760835	1.727075	1.76051	1.725977	1.820066	2.51737	2.398985	2.416453	2.35157	2.233409	1.973284
MIR4458H	ENSG0000	-0.31966	3.001175	-3.35802	0.003618	0.012979	-2.19533	3.397161	3.209365	3.371944	3.162124	3.170134	3.016392	3.137083	3.160038	3.468658	3.349712	3.30476	3.400153	3.100071	2.997596	3.206318	2.990321	2.755911	3.006111
OIP5-AS1	ENSG0000	-0.02689	6.714268	-0.28169	0.781491	0.84722	-7.3958	6.936707	6.987215	6.957588	7.469129	7.506443	7.463907	6.981981	7.050203	6.981997	6.391835	6.478775	6.334048	6.229912	6.210468	6.254955	6.314817	6.228075	6.346593
CKMT2-AS	ENSG0000	-0.61492	2.880654	-2.7715	0.012826	0.035506	-3.4141	3.593253	3.61855	3.511328	2.181668	2.333126	2.581827	2.376953	2.568641	2.34318	3.303547	3.313538	3.360144	3.593793	3.695921	3.886451	3.133504	3.058015	3.065099
TWF2	ENSG0000	-0.01893	4.491256	-0.21539	0.831956	0.885135	-7.09367	4.559062	4.395423	4.498524	4.209199	4.485643	4.130213	4.215456	4.157125	4.288067	4.565511	4.627471	4.763423	5.036421	4.931925	4.836082	4.877024	4.758787	4.694231
MARS2	ENSG0000	-0.12238	5.43007	-2.13648	0.047057	0.098868	-5.15843	5.675165	5.839841	5.760107	5.320976	5.326156	5.324049	5.767627	5.905096	5.683673	5.577652	5.500898	5.634668	5.094564	5.029288	4.96721	5.392313	5.31709	5.252725
AC139795.	ENSG0000	0.317876	1.195515	1.662317	0.114278	0.19808	-4.85268	2.548084	2.886707	2.621113	2.766336	2.660129	2.429135	2.957542	2.938616	2.869505	0.88529	0.695454	0.846782	1.121891	1.203912	1.209118	1.099384	0.816175	1.058313
STX18-AS1	ENSG0000	-0.49229	1.081158	-2.71654	0.014406	0.038823	-3.11068	2.19231	2.179863	1.818408	1.634586	1.556428	1.757653	1.70672	1.549165	1.50602	1.457372	1.55885	1.718241	1.973006	1.591687	1.610309	1.177011	1.406038	1.58715
AC008966.	ENSG0000	-0.58221	2.196048	-3.31942	0.003936	0.013911	-2.12093	3.011517	3.012542	2.94999	1.933905	2.229385	2.164723	2.513265	2.147141	2.087859	2.722179	2.453955	2.627101	2.614772	2.824271	2.730245	2.154563	2.429363	2.350536
TMEM161	ENSG0000	0.004417	3.092686	0.050918	0.959968	0.974403	-6.76862	2.833249	2.853456	2.776595	3.237064	2.762786	3.306732	3.004565	3.063581	2.937508	3.479955	3.591299	3.445469	3.623353	3.752319	3.793113	3.358427	3.422593	3.477085
AC022364.	ENSG0000	0.293758	0.485539	1.661355	0.114473	0.198278	-4.89739	0.587539	0.661886	0.598525	1.326771	1.087782	1.123626	0.983587	0.509405	0.629397	1.76051	1.335727	1.839597	2.270712	2.190279	2.433049	1.759719	1.981819	1.844513
NRAV	ENSG0000	0.000867	4.866871	0.010448	0.991782	0.994155	-7.14571	5.364998	5.346137	5.369174	5.26388	4.928114	5.059385	5.414148	5.314991	5.359397	4.623032	4.431731	4.491347	4.737134	4.612034	4.663983	4.469892	4.555551	4.536426
AC005329.	ENSG0000	-0.05714	-0.14492	-0.16048	0.874345	0.915684	-5.90825	1.602421	1.327092	1.954926	1.74141	1.864131	1.669505	1.389995	1.760835	1.564539	0.269074	0.695454	0.958181	0.562188	0.345231	0.470356	0.789161	0.358227	0.580851
UBA6-AS1	ENSG0000	0.228489	3.547422	3.442192	0.003009	0.011261	-2.14943	2.917019	2.9974	3.133821	3.791129	3.630051	3.848471	3.507292	3.335526	3.271973	3.737768	3.68898	3.733386	4.34138	4.264807	4.398437	3.865871	3.863317	3.823043
NNT-AS1	ENSG0000	-0.28566	2.764779	-3.21956	0.004893	0.016595	-2.47914	2.850396	2.730641	2.600444	2.740812	2.490996	2.825643	2.186178	2.568641	2.501332	3.446357	3.365114	3.373604	3.303673	3.470735	3.637126	3.209363	3.104657	3.189613
AC108174.	ENSG0000	-0.34274	-0.95984	-1.53336	0.143089	0.23561	-5.26047	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.256032	2.777267	2.766797	2.957162	1.308151	1.357245	1.749324	2.509956	2.146913	2.442395
RRN3P1	ENSG0000	-0.39415	1.481675	-2.49384	0.022921	0.056094	-3.64053	1.826927	1.81559	2.018628	1.840866	1.612488	2.164723	1.317361	1.231675	2.005764	2.224158	2.453955	2.16783	2.24051	1.993753	2.036756	2.034568	2.054898	2.033602
AC097515.	ENSG0000	0.342969	-1.79493	2.277102	0.035612	0.079278	-3.8106	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.073118	1.335727	1.305813	1.573426	1.681564	1.456457	1.627702	1.2488	1.322858
ADH1C	ENSG0000	-0.98716	-0.71732	-6.57243	4.13E-06	6.47E-05	4.506258	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.236329	3.356645	3.269454	3.469097	3.644697	3.509921	2.317694	2.212266	2.302316
AC010275.	ENSG0000	0.627885	-0.95867	5.002544	0.000101	0.00076	1.460999	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.204194	2.249583	1.951531	3.173846	3.152313	2.895043	2.639009	2.518186	2.79582
TRIM52-AS	ENSG0000	-0.42812	2.735984	-3.65202	0.001898	0.007768	-1.52141	3.183753	3.260998	3.204003	2.81607	2.926537	2.805104	2.696258	3.232814	3.218306	3.420635	3.096753	3.125724	2.749557	2.467968	2.821313	2.539649	2.741225	2.760563
LUCAT1	ENSG0000	-0.08621	0.372756	-0.39714	0.696073	0.782553	-6.07583	1.861169	1.420874	1.54317	0.934951	0.730585	0.984419	1.317361	1.367163	1.918715	1.91588	1.152172	1.413989	0.745413	0.612281	0.651457	1.286141	1.329561	1.703111
CDK11B	ENSG0000	-0.07441	4.9359	-1.17381	0.256218	0.37113	-6.53649	4.357924	4.383825	4.509652	4.584077	4.635214	4.633822	4.293266	3.967564	4.22597	5.554185	5.485444	5.6178	5.650003	5.556356	5.652638	5.570088	5.513525	5.595534
WHAMMP	ENSG0000	0.09727	-2.00086	0.484848	0.633805	0.732734	-5.69561	1.642349	1.508929	1.499186	1.688986	1.666451	1.840725	1.762502	1.301009	1.620777	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC008610.	ENSG0000	-0.49657	1.711842	-1.8025	0.088738	0.162392	-5.10478	1.602421	1.374745	1.30847	0.52061	0.828511	0.830331	1.317361	1.549165	1.38134	3.255856	3.269103	3.043904	4.167687	4.274468	4.155068	2.679583	2.908298	2.374055
PCDHAC1	ENSG0000	0.203882	1.651598	0.773839	0.449367	0.569881	-6.01833	2.19231	2.152784	2.166567	2.143217	2.299368	2.258349	3.050103	3.318907	2.723053	2.056133	1.899254	2.038602	1.755315	1.846087	1.355599	1.387593	1.513652	1.504318
FAM198B-.	ENSG0000	0.125084	2.206652	0.728306	0.476072	0.595267	-6.02462	4.345883	4.115866	4.275483	4.654117	4.284653	4.598452	4.479546	4.194045	4.444269	1.239286	1.112482	1.094478	0.828978	1.032323	1.002253	1.13872	1.16325	1.222783
PCP4L1	ENSG0000	-1.20825	0.164389	-9.14969	4.43E-08	1.98E-06	8.901281	0.216396	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.541844	4.580969	4.506699	4.978126	5.180814	4.972896	3.200096	3.511821	3.398988
ABHD14A	ENSG0000	-0.10665	2.478747	-1.20915	0.242707	0.355389	-5.92097	2.296082	2.152784	2.138168	2.359902	2.366112	2.481849	2.01302	2.290412	2.530983	3.303547	3.146729	3.276636	3.236398	3.141796	3.344321	3.083983	3.081525	3.035906
SRP14-AS1	ENSG0000	-0.42422	1.900135	-3.28575	0.004236	0.014771	-2.07735	3.011517	2.966631	2.739267	2.766336	2.605925	2.652511	2.376953	2.255906	2.530983	1.76051	1.967585	1.986992	2.079215	1.993753	1.923865	1.903678	1.82352	1.546329
MTATP6P1	ENSG0000	0.495172	6.078704	5.109455	8.01E-05	0.000638	1.03372	5.926267	5.906205	5.70066	6.717532	6.719451	6.618851	6.735989	6.405702	6.704711	5.744175	5.370266	5.643029	5.968325	6.18892	6.065712	5.741175	5.814676	5.8578
AC022784.	ENSG0000	-0.57595	1.662701	-1.7898	0.090827	0.165471	-4.65792	5.454629	5.507143	5.469462	3.791129	3.441741	3.75519	4.792514	4.759705	4.782996	0.669294	0.524532	0.34382	0.46104	0.26996	0.593579	0.63264	0.924142	0.93723
AC119751.	ENSG0000	-0.14324	-0.60386	-0.45877	0.652056	0.748488	-5.75867	2.137484	2.71221	2.423483	2.661411	2.787348	2.629332	2.186178	2.420731	2.202855	0.190076	0.185134	0.16959	0.171976	0.26996	0.263213	0.106501	0.2791	0.214669
DSTNP2	ENSG0000	-0.01416	1.890124	-0.09604	0.924578	0.950196	-6.38476	2.688195	2.332462	2.641489	2.143217	2.57804	2.532704	2.340763	2.623806	2.34318	2.18395	2.032826	1.780195	2.027088	1.846087	2.312654	2.154563	1.90484	2.091498
NA	ENSG0000	0.188184	-1.08707	1.916982	0.071736	0.137798	-4.66238	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.356666	2.320972	2.422156	2.385571	2.307842	2.365487	2.568742	2.295039	2.570068
CCDC153	ENSG0000	0.164791	0.061664	0.669344	0.512022	0.627007	-6.11136	0.587539	0.316291	0.598525	0.106501	0.625525	0.461789	0.415731	0.253663	0.39151	2.204194	1.945166	1.951531	2.706013	2.850343	2.703134	2.317694	2.254246	2.119598
USP46-DT	ENSG0000	-0.14632	0.270549	-0.70715	0.488796	0.60644	-5.8111	0.742531	1.002471	1.146821	1.256461	1.164793	1.475193	1.240874	1.082132	1.171446	1.278001	1.265082	1.126631	1.573426	1.462417	1.456457	0.974502	0.759002	1.058313
FMN1	ENSG0000	-0.29401	1.677256	-1.56307	0.135961	0.226728	-5.62696	1.069823	1.118985	0.512639	1.326771	0.828511	0.830331	0.106501	0.253663	0.515351	4.373294	4.637993	4.331562	4.546627	4.565575	4.500385	4.345124	4.288934	4.317368
AC046134.	ENSG0000	-0.54883	0.120456	-2.13623	0.04708	0.098887	-4.01506	1.519087	1.591918	1.146821	0.934951	1.498102	1.475193	1.074544	1.001115	1.01237	0.88529	1.152172	1.061592	0.656707	1.16289	1.247156	0.686723	0.816175	1.058313
AC008771.	ENSG0000	-0.1852	2.50579	-1.0517	0.307261	0.426626	-6.09364	2.629805	2.674627	2.600444	1.933905	2.229385	2.029614	2.340763	2.324112	2.34318	2.83033	3.086546	3.068941	3.587808	3.68147	3.644271	2.913023	3.009816	2.79582
ZNF436-AS	ENSG0000	-0.63237	1.026873	-2.73392	0.013887	0.037725	-3.08607	2.369288	2.356396	2.138168	1.326771	1.437317	1.123626	1.867984	1.760835	1.777424	1.891119	1.699433	1.439812	1.365252	1.710321	1.488568	1.542275	0.975239	1.322858
HAUS5	ENSG0000	-0.3009	3.963073	-5.2557	5.89E-05	0.000498	1.600423	4.387594	4.080378	4.080323	3.290819	3.278066	3.377995	3.853933	3.924273	4.093134	4.692747	4.709571	4.679211	3.879997	3.793216	3.831176	4.345124	4.357943	4.428245
TMEM150	ENSG0000	0.40304	1.140825	2.42063	0.026636	0.063125	-3.92682	0.667115	0.316291	0.679585	0.635873	0.92021	1.475193	0.415731	1.082132	0.735084	2.881509	2.889287	2.671369	3.520276	3.614588	3.571181	3.022222	3.307681	3.035906
LINC02057	ENSG0000	0.3234	0.250238	1.176802	0.255053	0.36978	-5.36719	1.519087	1.551021	1.146821	1.182548	1.2379	1.250575	1.525136	1.430416	1.244857	0.609835	0.799097	0.726056	1.498836	1.2438	1.390007	0.930351	1.206659	0.805046
LINC01088	ENSG0000	-0.21126	0.077265	-2.52738	0.021388	0.053024	-4.02307	0.106501	0.215206	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.247262	4.283241	4.286022	3.988472	4.220515	3.996621	4.147172	4.005291	4.122853
ARL2BPP4	ENSG0000	-0.43097	-0.11835	-2.32933	0.032062	0.072995	-3.78154	0.503316	0.410755	0.512639	1.022291	0.512209	0.563119	0.269385	0.253663	0.39151	1.98771	1.699433	1.800268	2.096181	1.846087	1.900186	1.542275	1.547811	1.739782
UGDH-AS1	ENSG0000	-0.56398	2.206639	-4.03868	0.000812	0.003956	-0.61817	2.19231	1.978677	2.558197	2.063099	2.520598	2.346268	1.917967	1.430416	2.047395	2.966925	2.727926	3.026968	3.388755	3.357127	3.486261	2.464239	2.37332	2.528753
NPM1P27	ENSG0000	-0.23722	1.677919	-1.60448	0.126524	0.214559	-5.10543	2.589523	2.71221	2.446827	2.359902	2.117603	2.374422	2.446718	2.451551	2.616448	2.163418	1.725977	2.07201	1.365252	1.652223	1.695314	1.681967	1.930959	1.461048
CASC9	ENSG0000	0.10355	4.123809	1.805782	0.088205	0.161687	-5.44484	4.059241	4.058659	3.922756	4.171485	4.167908	4.170914	4.164604	4.09991	4.063004	4.276236	4.152359	4.124247	4.480326	4.501207	4.456413	4.262954	4.173346	4.428245
AC092834.	ENSG0000	-0.3356	-0.86727	-0.89617	0.382338	0.503992	-5.45109	2.137484	2.068355	2.079636	2.457149	2.03796	2.317553	1.816207	1.988058	1.727075	0.106501	0.259702	0.16959	0.294634	0.345231	0.335616	0.257084	0.106501	0.106501
ZNF286B	ENSG0000	0.875449	1.38782	7.11517	1.48E-06	2.93E-05	5.456299	1.286899	1.173893	0.829201	1.688986	1.666451	1.714252	1.867984	1.549165	1.314712	1.891119	1.989662	1.800268	2.661114	2.700737	2.589286	2.539649	2.552239	2.649309
ZNF324B	ENSG0000	0.063232	2.974686	0.616087	0.545778	0.657102	-6.71387	1.861169	2.332462	2.274882	1.791994	2.429905	2.196611	2.576877	2.357042	2.202855	4.337085	3.947677	4.197974	4.309002	3.981932	4.288734	4.213151	4.151298	4.150354
LINC01234	ENSG0000	0.273388	2.334704	2.490948	0.023058	0.056387	-3.96403	1.894617	1.420874	1.358564	2.021307	1.817192	2.317553	1.317361	1.367163	1.50602	3.385609	3.470912	3.445469	3.90909	3.946112	3.886451	3.842237	3.675254	3.814473
AC034231.	ENSG0000	0.138482	0.128863	0.596335	0.558596	0.668804	-5.93725	0.814199	0.875715	0.964748	0.841981	0.828511	0.563119	0.548589	0.726566	0.925731	1.423238	1.228418	1.027938	1.667235	1.846087	1.947161	1.571317	1.206659	1.504318
AC139887.	ENSG0000	0.413259	2.022376	3.129628	0.005949	0.019368	-2.59929	1.12723	1.551021	1.30847	1.519216	1.498102	1.714252	2.226405	1.85606	2.005764	2.881509	3.096753	2.87437	3.27416	3.544454	3.470269	3.200096	3.093137	3.176297
HOXC13-A	ENSG0000	-0.33623	-1.62024	-1.54543	0.140157	0.232015	-4.76645	2.369288	2.534795	2.514675	1.933905	1.864131	2.029614	2.340763	1.809233	2.087859	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
NA	ENSG0000	-0.13258	-1.13068	-0.56363	0.580165	0.686662	-5.7355	3.041689	2.950996	2.99819	2.605941	2.762786	2.288255	2.933443	2.938616	2.82232	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501

NOP14-AS	ENSG0000	-0.79336	4.841166	-3.62289	0.002024	0.008162	-2.02231	5.979843	6.02856	5.927103	4.569652	4.621619	4.531264	4.487843	4.307901	4.404775	4.75239	4.761819	5.020321	4.805779	4.859959	4.888167	4.832737	4.780497	4.551975
AC106795.	ENSG0000	-0.07339	-1.18014	-0.26842	0.79152	0.85471	-5.81946	2.19231	2.152784	2.049454	3.20008	2.926537	3.292047	1.867984	2.290412	2.127218	0.106501	0.106501	0.16959	0.171976	0.190544	0.106501	0.106501	0.106501	0.106501
AC008691.	ENSG0000	-0.39053	-1.28164	-1.31966	0.203973	0.309722	-5.28027	0.106501	0.215206	0.421314	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	1.457372	1.369793	1.585733	2.329284	2.084417	2.036756	1.482378	1.368306	1.115245
AC092490.	ENSG0000	0.900935	0.022443	7.282883	1.08E-06	2.28E-05	5.739166	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	3.367773	3.715716	3.70172	4.076593	3.90938	4.25179	4.647431	4.419196	4.311289
PVT1	ENSG0000	-0.25931	4.20985	-3.74931	0.001533	0.006568	-1.63245	4.776503	4.649014	4.652033	4.142539	4.1957	4.34463	4.174919	4.184903	4.279358	4.355303	4.314187	4.278887	4.01993	4.073319	4.035179	4.267397	4.211138	4.249053
AC021106.	ENSG0000	0.792839	-0.08606	2.386568	0.028551	0.066643	-3.53231	0.814199	1.277811	1.028027	1.578054	1.373859	1.422231	1.317361	2.255906	1.873138	0.54782	0.462741	0.594297	1.054048	0.837535	1.08859	0.576451	0.433238	0.734116
LINC02742	ENSG0000	0.320785	-0.3568	1.256901	0.225328	0.335362	-5.18331	2.867343	2.76681	2.681399	1.457877	1.164793	1.250575	2.981245	3.141256	2.981126	0.269074	0.398185	0.54756	0.171976	0.106501	0.106501	0.326864	0.572487	0.580851
PDCD6	ENSG0000	0.021917	7.264617	0.230672	0.820248	0.876823	-7.4806	7.529131	7.512923	7.580543	7.226357	7.260001	7.325645	7.703968	7.677207	7.691514	6.953156	7.050392	7.006287	7.238277	7.226937	7.238863	6.919613	6.891721	6.908163
GBA3	ENSG0000	-0.22392	-0.44504	-1.0161	0.323442	0.443301	-5.87735	0.216396	0.316291	0.219246	0.106501	0.106501	0.461789	0.106501	0.106501	0.39151	2.47802	2.372288	2.693003	2.51737	2.451029	2.716753	2.432936	2.465551	2.226823
TMEM158	ENSG0000	-0.16404	1.635621	-0.97591	0.342425	0.463311	-5.8189	3.373632	3.732673	3.638424	2.393052	2.549605	2.346268	3.457463	3.102941	3.421943	1.388276	1.369793	1.585733	0.907968	0.888753	0.593579	1.734264	1.289746	1.58715
YJEFN3	ENSG0000	-0.30849	0.419443	-1.13535	0.271558	0.388217	-5.42489	1.235614	1.061904	1.406977	2.021307	1.817192	1.757653	1.525136	1.491012	0.925731	1.199504	1.300837	1.061592	1.054048	1.357245	1.247156	0.576451	0.816175	1.222783
DNAH10O	ENSG0000	1.237836	0.781989	4.155106	0.000629	0.003215	-0.18775	1.384302	1.374745	1.088647	2.81607	2.85862	3.086148	2.545421	2.069791	1.962896	0.982259	0.799097	0.499259	1.018891	1.032323	1.08859	1.058946	1.329561	1.273688
LINC02377	ENSG0000	0.240318	-1.55018	1.881401	0.076682	0.145391	-4.55186	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.704765	1.644832	1.820066	1.667235	1.393161	1.639204	1.809319	1.795362	1.942153
PCDHA10	ENSG0000	0.163109	0.73584	1.138658	0.270213	0.386915	-6.31925	0.216396	0.316291	0.106501	0.106501	0.106501	0.3528	0.106501	0.106501	0.515351	4.332495	4.467566	4.324649	5.477839	5.430226	5.405959	4.545014	4.517274	4.520707
AC008443.	ENSG0000	0.061916	1.244759	0.27289	0.788136	0.852024	-6.17289	2.438959	2.61635	2.514675	1.791994	1.864131	1.956998	2.303642	2.623806	2.670735	1.586365	0.986408	1.158083	1.621093	1.462417	1.209118	1.286141	1.329561	1.273688
PKD1P6	ENSG0000	-0.47266	2.168205	-3.89193	0.00112	0.005114	-0.86398	3.210562	3.209365	3.270929	2.81607	2.926537	2.998412	2.637802	2.389238	2.892531	2.163418	2.267764	2.120715	2.009285	1.871771	1.923865	2.055273	1.851139	2.14716
AC068647.	ENSG0000	-0.59019	-1.53716	-2.0613	0.054472	0.110899	-4.02626	3.026682	2.950996	3.013906	1.393812	1.666451	1.799787	2.226405	2.389238	2.408535	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC02762	ENSG0000	-0.22537	0.853369	-0.59623	0.558664	0.668828	-5.94453	2.218961	2.332462	1.888281	1.74141	1.2379	1.526279	1.648695	2.108984	2.239236	0.934589	1.029669	1.061592	1.621093	1.970168	1.826726	1.017342	0.759002	0.93723
ZNF718	ENSG0000	0.365917	3.813326	5.487888	3.63E-05	0.000346	2.04957	3.056542	2.853456	3.347346	2.791417	2.71237	2.805104	3.457463	3.646467	3.143496	4.759247	4.824575	4.811193	4.298046	4.509412	4.394205	5.168285	5.075063	5.21089
SMIM20	ENSG0000	-0.04287	5.090998	-0.58695	0.564743	0.674631	-6.98789	5.788487	5.83559	5.935379	5.547654	5.521816	5.599217	5.740105	5.771015	5.839908	4.455814	4.467566	4.615496	4.47385	4.711399	4.653399	4.500412	4.547132	4.483349
EDIL3-DT	ENSG0000	-0.23162	0.416834	-1.54492	0.140279	0.232109	-5.09931	0.503316	0.661886	0.512639	0.841981	0.828511	1.123626	0.548589	0.253663	0.39151	1.865926	2.074736	1.877881	3.074617	3.098942	3.075009	1.903678	1.930959	1.665483
PURPL	ENSG0000	0.033424	-1.05501	0.144477	0.886777	0.924556	-5.89304	3.361722	3.155816	2.830836	3.21869	2.835252	3.18484	2.832807	3.285084	3.181386	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AACSP1	ENSG0000	-0.51127	0.69514	-4.02695	0.000833	0.004041	-0.87767	0.503316	0.316291	0.219246	0.106501	0.389229	0.2349	0.269385	0.253663	0.106501	4.472601	4.514003	4.178935	4.195506	4.179969	4.139984	3.793775	4.005291	3.95366
LRRC37BP	ENSG0000	0.364025	2.673612	3.749094	0.001534	0.00657	-1.26449	3.128595	3.169391	3.119366	3.273122	3.112982	3.26222	3.490873	3.446787	3.614278	2.543041	2.23117	2.522234	2.357702	2.596763	2.312654	2.524879	2.854728	2.668457
CHCHD10	ENSG0000	0.076281	4.593784	0.756516	0.459417	0.579941	-6.81985	4.511345	4.440906	4.412214	4.869634	5.049849	4.633822	4.31208	4.238905	4.404775	4.569418	4.580969	4.77868	4.787617	4.78759	4.917949	5.059757	4.833383	4.602629
FAM218A	ENSG0000	-0.49862	-0.41328	-2.72525	0.014143	0.03829	-3.07297	0.216396	0.582935	0.219246	0.258133	0.512209	0.3528	0.269385	0.253663	0.256032	2.056133	1.922393	1.858866	2.162115	2.307842	2.276326	1.482378	1.581179	1.504318
LINC02701	ENSG0000	-0.09931	-1.4517	-0.29786	0.769324	0.837978	-6.02936	0.318509	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.256032	1.555182	1.725977	1.439812	1.121891	0.986036	1.002253	1.419885	1.118494	1.844513
AC079160.	ENSG0000	0.053123	0.501695	0.251955	0.804015	0.864662	-6.05729	0.882475	1.374745	1.146821	1.634586	1.437317	1.623325	1.160105	1.549165	1.171446	1.239286	1.228418	1.126631	1.548989	1.622273	1.390007	1.017342	0.871168	1.546329
ATP6V1E2	ENSG0000	-0.4146	3.259994	-4.65633	0.000211	0.001354	0.530115	3.991296	3.888531	3.995797	3.376187	3.170134	3.335661	3.457463	3.285084	3.389938	3.42926	3.414909	3.555853	3.251622	2.962168	3.096004	3.133504	3.356678	3.30423
GLI4	ENSG0000	-0.01368	3.237029	-0.1549	0.878673	0.919067	-6.84579	2.688195	2.853456	2.558197	2.887595	2.85862	2.94309	2.752438	2.357042	2.846105	3.730807	3.860515	3.900773	4.499582	4.509412	4.546874	3.877544	3.890192	3.734962
LINC01511	ENSG0000	0.319454	0.065113	5.179317	6.91E-05	0.000567	1.537675	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.252132	4.260723	4.282459	4.540442	4.463697	4.588211	4.55958	4.414575	4.731125
NA	ENSG0000	-0.46601	1.851882	-2.80403	0.011971	0.033589	-3.24698	1.755904	1.465573	1.453818	1.182548	1.498102	1.526279	0.886508	1.15884	0.925731	2.955028	3.223257	3.585074	3.974777	3.772912	3.793113	3.272618	2.799093	2.742606
AC012645.	ENSG0000	-0.30929	0.151683	-1.18503	0.25187	0.366247	-5.48552	0.882475	1.061904	0.421314	0.934951	0.625525	0.909432	0.415731	0.387194	1.171446	1.814181	1.777644	1.896649	1.392977	1.495836	1.284217	1.599785	1.707432	1.626848
SELENOP	ENSG0000	-1.14116	2.535516	-3.44264	0.003006	0.011252	-1.94625	2.815895	3.07157	3.104764	2.021307	1.817192	1.799787	2.303642	1.85606	1.962896	3.165825	3.414909	3.283783	4.34138	4.284065	4.394205	2.26534	2.447571	2.277588
TPM3P6	ENSG0000	0.092869	0.065928	0.342231	0.736258	0.814108	-6.15326	0.587539	0.215206	0.323815	0.742604	0.828511	0.984419	0.548589	0.387194	0.256032	2.163418	2.095243	1.915176	1.897591	1.871771	1.775589	2.135245	1.930959	2.174206
SNHG18	ENSG0000	0.150341	-0.92836	0.488219	0.631463	0.730682	-6.06576	0.216396	0.215206	0.421314	0.106501	0.106501	0.106501	0.548589	0.387194	0.256032	1.586365	1.435603	1.46518	2.062048	1.622273	1.801384	1.512637	1.406038	1.546329
AC127070.	ENSG0000	-0.85046	-0.11851	-2.45903	0.024622	0.059329	-3.47421	0.503316	0.8079	0.756332	0.742604	1.437317	0.984419	0.670238	0.387194	0.106501	1.52331	1.403073	1.360915	1.858352	2.23054	1.749324	1.017342	1.513652	0.805046
AC125807.	ENSG0000	0.065141	1.73382	0.36755	0.717622	0.800002	-6.2176	3.487617	3.196163	3.431666	2.425456	2.948483	2.652511	3.158032	3.214961	3.557782	1.239286	1.228418	1.360915	1.498836	1.032323	1.08859	1.45147	1.547811	1.504318
GMDS-DT	ENSG0000	0.024532	1.461235	0.207004	0.8384	0.890214	-6.27628	1.642349	1.849715	1.888281	2.103714	2.155834	2.132113	1.70672	1.710758	1.620777	1.964162	1.8028	1.631268	2.270712	2.398985	2.161508	1.809319	2.006592	1.844513
GLUD1P3	ENSG0000	0.363088	-0.12829	1.454477	0.163538	0.261598	-5.06342	1.384302	0.8079	1.028027	0.52061	0.625525	0.563119	0.782422	1.231675	1.50602	0.934589	1.029669	0.884879	1.154653	0.837535	1.002253	1.13872	1.289746	1.115245
LINC02600	ENSG0000	0.810842	0.100464	2.581365	0.019121	0.048529	-3.1937	1.069823	1.508929	1.088647	2.063099	1.996426	1.475193	2.01302	1.901414	2.047395	0.34397	0.583785	0.594297	1.088368	1.2438	0.862212	0.576451	0.504542	0.580851
ZFPM2-AS	ENSG0000	0.034389	3.375534	0.246356	0.808277	0.867738	-6.72206	3.682132	3.428416	3.371944	4.236852	4.139571	4.218286	3.507292	3.711575	3.513908	3.312899	3.398501	3.225594	3.197622	3.310934	3.225499	3.407564	3.058015	3.352387
THAP9-AS1	ENSG0000	0.060666	4.310004	0.900765	0.379958	0.50211	-6.68922	4.088441	4.029182	4.255791	3.988393	3.796595	4.009735	4.339849	4.184903	4.170531	4.641707	4.777766	4.711369	4.454245	4.668079	4.546874	4.630284	4.676269	4.96205
AC093866.	ENSG0000	-0.80951	0.31784	-1.69615	0.107596	0.189336	-4.66015	5.786261	5.79457	5.835003	4.456603	4.240862	4.379778	4.80585	5.043815	5.052019	0.106501	0.106501	0.106501	0.294634	0.190544	0.186984	0.106501	0.106501	0.106501
AF117829.	ENSG0000	0.009505	2.23191	0.048437	0.961917	0.975617	-6.55546	2.744313	2.576149	2.558197	1.933905	1.996426	2.164723	2.186178	1.809233	2.309357	2.494552	2.632935	2.355887	3.074617	3.203781	3.19663	2.782512	2.741225	2.79582
ZNF674	ENSG0000	0.314498	2.067225	1.582811	0.131391	0.220736	-5.26055	2.483604	2.534795	2.621113	1.840866	2.299368	2.064596	2.806512	2.596487	2.748518	2.163418	1.945166	1.986992	2.738794	2.686334	2.544166	2.334732	2.429363	2.252429
LINC00923	ENSG0000	-0.32654	-0.40389	-1.33368	0.199429	0.304249	-5.36928	0.41387	0.215206	0.323815	0.258133	0.625525	0.2349	0.415731	0.106501	0.256032	2.056133	2.355385	1.839597	1.858352	2.10622	2.276326	1.809319	2.030948	1.703111
LINC02714	ENSG0000	-0.15667	-1.45217	-0.98837	0.336458	0.457399	-5.7368	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.865926	2.095243	2.198406	1.621093	1.591687	1.775589	1.903678	1.581179	2.033602
ZNF345	ENSG0000	-0.18595	1.284274	-0.77456	0.448953	0.56961	-5.97129	1.719036	1.670392	1.818408	1.519216	1.498102	1.669505	1.70672	1.760835	1.918715	1.586365	1.945166	1.696985	2.479079	2.612083	2.481722	1.542275	1.368306	1.58715
AC010457.	ENSG0000	-0.14146	-1.19172	-0.75961	0.457609	0.578377	-5.61501	3.19722	3.027527	3.24453	2.548252	2.429905	2.429135	2.957542	2.938616	3.00245	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SHANK3	ENSG0000	0.170145	2.513583	0.958705	0.350782	0.471962	-6.03294	3.313074	3.39414	3.62825	3.21869	3.441741	3.247073	3.072345	3.335526	3.323715	1.865926	2.193623	1.696985	2.385571	2.269709	2.365487	2.706012	2.392244	2.174206
ZNF550	ENSG0000	-0.1976	4.476277	-2.28588	0.034991	0.078299	-4.8004	3.903656	3.983805	3.979882	3.487804	3.457132	3.152687	3.66196	3.491964	3.468658	5.504036	5.551865	5.424422	5.657166	5.583812	5.576251	5.31071	5.440404	5.391714
LINC00958	ENSG0000	-0.04872	0.693039	-0.46926	0.644685	0.742299	-6.91736	0.216396	0.215206	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.39151	4.81954	4.739193	4.651854	4.821167	4.749998	4.814076	4.730238	4.568087	4.72199
AIDAP2	ENSG0000	0.048313	-0.76822	0.099147	0.92215	0.948893	-5.82366	1.602421	1.744817	1.667608	2.325974	1.817192	1.880533	2.303642	2.029503	1.777424	0.34397	0.398185	0.288049	0.106501	0.26996	0.470356	0.257084	0.19538	0.106501
LINC02615	ENSG0000	0.178449	0.719158	0.750026	0.463217	0.583342	-5.76209	1.894617	2.152784	1.78216	2.91067	2.605925	2.629332	2.412257	2.255906	2.309357	0.781331	0.799097	0.807652	0.787801	1.282615	0.957066	0.738851	0.433238	0.734116
RPL32P3	ENSG0000	-0.60571	2.658046	-4.67158	0.000204	0.001322	0.665387	3.183753	3.169391	3.06005	2.81607	2.460774	2.697781	2.376953	2.420731	2.274723	3.186323	3.146729	2.948194	3.339736	3.357127	3.299771	2.706012	2.696248	2.760563
FOXD1	ENSG0000	0.544303	4.301106	3.159003	0.005582	0.018386	-3.03078	3.58303	3.323044	3.565652	3.887325	3.89028	3.666886	3.523527	3.535768	3.783962	5.162464	5.113047	5.348069	4.337818	4.385617	4.27499	5.936577	5.917862	5.740557
MALAT1	ENSG0000	-0.3168	6.838079	-2.9519	0.008729	0.026109	-3.78014	5.648453	6.117033	5.957896	6.067345	5.3917	5.926062	5.628203	5.830848	6.071932	8.052535	8.210858	7.872145	7.906667	7.941168	7.953251	7.406213	7.582494	7.815731
LINC02482	ENSG0000	-0.00189	0.864107	-0.00765	0.993984	0.995661	-6.17567	1.286899	1.465573	1.54317	1.326771	1.768674	1.123626	1.389995	1.491012	1.826075	1.457372	1.300837	1.413989	2.062048	2.190279	2.014873	1.286141	1.478665	1.115245
ABCA11P	ENSG0000	-0.5002	-0.12086	-1.96663	0.065311	0.128095	-4.32611	0.742531	0.661886	0.679585	0.742604	0.828511	1.250575	0.415731	0.509405	0.833554	1.52331	1.55885	1.585733	0.982856	0.938214	1.355599	1.177011	1.16325	1.273688
AL928654.	ENSG0000	-0.01029	0.632993	-0.05113	0.959803	0.974305	-6.12871	1.384302	1.631689	1.453818	1.791994	1.373859	1.422231	1.459147	1.231675	1.01237	1.278001	0.986408	1.413989	1.336984	1.528499	1.247156	1.286141	1.368306	1.626848
AC104825.	ENSG0000	0.618393	0.865383	2.379834	0.028945	0.067297	-3.60809	1.384302	1.420874	1.853768	3.408969	3.278066	3.349911	2.058296	1.945386	1.918715	0.54782	0.398185	0.683459	1.99126	1.993753	1.992654	0.457048	1.16325	0.734116
PCDHA12	ENSG0000	-0.31283	2.512361	-2.81006	0.011818	0.033227	-3.13516	2.815895	2.870177	2.758051	3.325575	3.574682	3.377995	2.446718	2.511284	2.643847	2.224158	2.355385	2.53427	3.339736	3.263212	3.335521	2.247458	2.124453	2.06284
FAM86EP	ENSG0000	-0.17475	3.415097	-1.82989	0.084377	0.156502	-5.25712	3.593253	3.114308	3.296854	3.273122	3.426184	3.377995	2.696258	2.981485	2.869505	3.772076	3.793073	3.882059	4.25337	4.028349	4.184772	3.730814	3.842828	3.87342
PCDHGA1	ENSG0000	0.681889	1.068587	5.346386	4.87E-05	0.000432	1.883511	0.216396	0.499412	0.106501	0.395333	0.25478	0.2349	0.269385	0.622068	0.256032	4.03198	4.045764	4.116262	5.092452	5.180814	4.989822	4.882828	4.633169	4.551975
HOXA10-A	ENSG0000	-0.04964	-0.78095	-0.25558	0.801262	0.862483	-5.89361	3.65311	3.370829	3.500214	3.999198	3.722109	3.828257	3.296733	3.491964	3.453254	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC037459.	ENSG0000	0.114991	0.337698	0.518721	0.610461	0.712104	-5.97006	1.235614	1.118985	0.829201	1.104644	1.307481	1.250575	0.782422	1.231675	0.735084	1.586365	1.228418	0.921995	1.365252	1.462417	1.51998	1.354562	1.406038	1.504318
C8orf88	ENSG0000	-0.46392	-0.63737	-1.34737	0.195068	0.299251	-5.01113	2.438959	2.61635	2.221741	2.063099	1.666451	1.669505	2.058296	2.650616	2.047395	0.269074	0.259702	0.288049	0.294634	0.345231	0.186984	0.183756	0.19538	0.106501
SHLD3	ENSG0000	0.021046	2.257398	0.131738	0.896696	0.931217	-6.48027	3.011517	2.71221	2.883112	2.605941	2.460774	2.481849	3.178682	2.894433	3.162566	2.243849	2.355385	2.382761	2.044674	2.596763	2.312654	1.992244	2.518186	2.06284
CCDC71L	ENSG0000	-0.04386	4.018674	-0.58222	0.567851	0.677165	-6.82556	3.613482	3.741788	3.668523	4.031135	4.167908	4.062605	3.632324	3.798055	3.586306	4.247262	4.47541	4.421787	4.561973	4.51757	4.554478	4.500412	4.298997	4.108904
HOXA10	ENSG0000	-0.1456	-0.79047	-0.78093	0.445291	0.566063	-5.63249	3.774862	3.768792	3.65856	3.51817	3.260629	3.510758	3.602068	3.351955	3.708117	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PCDHGB6	ENSG0000	0.096627	0.658063	0.489337	0.630687	0.730197	-6.25308	0.667115	0.736739	0.598525	0.395333	0.730585	0.657796	1.074544	0.622068	0.833554	2.056133	2.320972	2.16783	2.749557	2.824271	3.032078	2.154563	1.981819	2.507643
C1orf210	ENSG0000	-0.13353	-0.23508	-0.89672	0.382054	0.503759	-6.24194	0.106501	0.106501	0.323815	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	3.403229	3.517242	3.38694	3.778549	3.552417	3.740748	3.053433	3.431768	3.56145
MAILR	ENSG0000	-0.50379	1.155786	-2.30878	0.033418	0.075586	-3.8725	2.320899	2.258179	1.987129	1.457877	1.817192	1.799787	1.459147	1.367163	2.127218	1.616888	1.672391	1.49011	1.954519	1.819936	1.639204	1.65509	1.368306	1.170016
TUG1	ENSG0000	0.476925	7.555161	6.194157	8.66E-06	0.000115	3.130155	6.574748	6.506104	6.612701	7.525338	7.419745	7.535787	7.204716	7.27038	7.282524	7.80206	7.877347	7.740686	8.125425	8.144498	8.178187	8.110333	8.085943	8.150075
TRNP1	ENSG0000	-0.84275	1.818297	-2.66013	0.01622	0.042653	-3.26525	3.878801	3.657602	3.638424	3.083078	3.151334	3.152687	2.26554	2.451551	2.239236	1.239286	1.07167	1.248523	1.621093	1.622273	1.851631	1.708352	1.442809	1.546329
NA	ENSG0000	-0.66955	-1.51959	-3.3349	0.003805	0.01355	-1.85013	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.732907	1.875739	1.759838	1.797417	1.897007	2.07955	1.099384	1.289746	1.322858
PCDHGA5	ENSG0000	0.123106	0.627262	0.651561	0.52316	0.637033	-6.02586	1.010037	1.061904	0.598525	1.104644	0.92021	1.055701	0.886508	0.824004	1.564539	1.891119	1.945166	1.696985	1.711947	1.993753	1.749324	1.734264	1.766644	2.003758
PCDHGA7	ENSG0000	0.095412	-0.49267	0.366954	0.718058	0.800167	-5.95368	0.318509	0.736739	0.323815	0.52061	0.625525	0.657796	0.670238	0.915275	0.256032	1.199504	1.265082	1.094478	1.186687	1.282615	1.355599	1.177011	1.118494	1.058313
FAM86HP	ENSG0000	-1.17659	0.924353	-5.99362	1.29E-05	0.000156	3.414184	1.681202	1.551021	1.78216	1.104644	0.828511	1.055701	0.415731	0.915275	1.171446	2.817246	2.405511	2.546206	2.079215	1.946191	1.610309	1.65509	1.981819	1.81044
HOXA-AS2	ENSG0000	0.511892	-1.78614	1.764399	0.095133	0.171849	-4.45022	1.519087	1.465573	1.499186	2.291228	2.490996	2.455733	1.389995	2.255906	2.047395	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
NKX2-1-AS	ENSG0000	0.400166	-1.35317	2.911935	0.00951	0.027948	-2.74348	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.787595	1.725977	1.653508	2.439743	2.039797	2.330481	1.784732	2.146913	2.06284
SLC10A5	ENSG0000	0.254777	-0.05745	1.184232	0.252176	0.366505	-5.42584	1.12723	1.173893	0.756332	0.742604	0.389229	0.563119	1.074544	1.15884	0.833554	0.934589	1.403073	1.188864	0.982856	0.986036	1.046067	1.214313	1.406038	1.58715
AC107959.	ENSG0000	-0.43173	0.438464	-1.33132	0.20019	0.305116	-5.23137	2.320899	2.232543	2.351095	0.841981	1.087782	1.310092	1.70672	1.549165	1.873138	0.834246	0.799097	0.993481	1.218025	1.120667	0.862212	1.058946	0.816175	0.805046
EIF5AL1	ENSG0000	0.053519	2.080883	0.255234	0.801522	0.862632	-6.41746	2.668993	2.179863	2.621113	2.714828	2.811499	2.605775	2.884002	2.568641	2.959482	2.650221	2.753956	1.986992	1.838325	1.766169	1.749324	2.055273	2.212266	2.374055
GASAL1	ENSG0000	-0.86047	1.210458	-2.36481	0.029842	0.068865	-3.74568	3.810347	3.686213	3.638424	1.840866	1.556428	1.526279	3.094248	2.848856	2.530983	1.116489	1.112482	1.094478	1.154653	1.2438	1.002253	1.177011	0.69947	0.805046
ALG11	ENSG0000	-0.06088	3.185161	-0.70009	0.493086	0.610392	-6.52939	3.349713	3.505362	3.217639	3.142765	3.132285	3.069023	3.507292	3.491964	3.421943	3.599408	3.423044	3.426222	3.205461	3.503965	3.234995	3.358427	3.32748	3.228839
MINCR	ENSG0000	-0.39081	3.288113	-3.48888	0.002716	0.010385	-2.04054	3.373632	3.370829	3.044832	2.864145	2.660129	3.103073	3.19904	2.825515	3.357206	3.831846	3.936355	4.140085	3.942308	3.766081	3.910354	3.470581	3.595851	3.519884
ATXN7L3B	ENSG0000	-0.04118	7.312983	-1.43002	0.170345	0.269851	-6.51588	6.886677	6.84854	6.856623	6.8048	6.807642	6.821621	6.749855	6.809724	6.776094	7.80786	7.807991	7.814713	7.863967	7.845166	7.903131	7.806546	7.783116	7.817876
PRKDC	ENSG0000	-0.40592	8.524987	-5.71736	2.26E-05	0.000238	2.066393	8.223919	8.281412	8.375605	7.552183	7.615058	7.84963	7.92555	7.883406	7.83511	9.584364	9.732826	9.376804	8.600185	8.572183	8.639735	9.199185	9.079985	9.202979
PCDHGA6	ENSG0000	0.189148	1.458671	1.320297	0.203766	0.309506	-5.59208	1.384302	1.002471	1.30847	1.519216	1.498102	1.422231	1.074544	1.491012	1.777424	2.620402	2.604605	2.243088	2.614772	2.50126	2.633039	2.464239	2.465551	2.830235
OTUD6B-A	ENSG0000	-0.2029	5.041365	-3.26477	0.004435	0.015301	-2.89025	4.871956	4.893538	4.772407	4.40878	4.42432	4.372816	4.845133	4.917048	4.895553	5.709189	5.622444	5.776944	5.280456	5.296751	5.354615	5.384153	5.358575	5.397464
LNCOC1	ENSG0000	-0.22023	2.153939	-1.31631	0.205072	0.311191	-5.6045	3.142584	2.730641	2.916938	2.577385	2.991399	2.763128	2.908934	2.916694	3.044176	2.605258	2.42184	2.447834	1.573426	1.897007	1.488568	1.992244	2.146913	2.06284
UTP14C	ENSG0000	0.191171	4.790635	2.403354	0.027592	0.064853	-4.50865	4.825019	4.804995	4.921495	5.307999	5.270617	5.331249	5.324334	5.174263	5.197793	4.61171	4.547875	4.554757	4.642137	4.442428	4.550681	4.504182	4.600995	4.597643
PCDHGA1	ENSG0000	0.800707	3.429828	7.386081	8.98E-07	1.97E-05	5.951984	2.780548	2.935191	2.776595	4.263984	4.222966	4.249025	3.953155	3.84524	3.628063	2.955028	3.086546	3.141546	3.932895	3.958151	3.773698	3.530961	3.562824	3.679412
PCDHGA11	ENSG0000	0.618628	1.447932	4.869609	0.000134	0.000952	1.000422	0.742531	0.316291	0.679585	0.635873	0.828511	0.563119	0.670238	0.824004	0.515351	3.091698	3.509623	3.36689	4.650776	4.697103	4.649854	3.98397	3.955266	3.770842
PCDHGB2	ENSG0000	0.94705	2.73141	4.871208	0.000133	0.00095	1.109478	1.755904	1.708084	1.585853	3.910405	3.602632	3.75519	2.779728	2.848856	3.218306	2.722179	2.753956	2.604447	3.581798	3.552417	3.65138	3.254827	3.069818	3.149291
VPS13B-DT	ENSG0000	0.139086	0.8036	0.555738	0.585434	0.690946	-6.02714	1.18244	1.277811	1.256574	1.840866	1.307481	1.250575	1.648695	1.85606	2.165532	1.704765	1.529011	1.800268	1.420179	1.393161	1.247156	1.45147	1.442809	1.058313
PCDHGB4	ENSG0000	0.579853	0.741866	1.985077	0.063058	0.124464	-4.23558	2.505419	2.748839	2.641489	4.199863	4.276	3.838399	3.238915	3.102941	3.254305	0.34397	0.695454	0.288049	0.656707	0.484926	0.404558	0.326864	0.504542	0.497646
CLDN23	ENSG0000	0.285134	2.686414	2.952578	0.008717	0.026077	-3.055	1.602421	2.009193	1.585853	2.688367	2.762786	2.784269	1.816207	2.029503	1.918715	3.42926	3.330936	3.538032	4.17569	4.13825	4.25179	3.768919	3.675254	3.621636
AC100810.	ENSG0000	1.098128	2.739487	4.460318	0.000323	0.001902	0.296431	3.183753	3.382531	3.270929	4.052041	3.934936	4.079806	4.681143	4.759705	4.795267	1.732907	2.135404	1.877881	1.935792	2.517623	2.23906	2.034568	1.707432	1.910335
ZNF260	ENSG0000	0.573887	5.180381	9.055118	5.15E-08	2.24E-06	8.598529	4.579773	4.474101	4.363979	4.790984	4.900234	4.98829	4.980658	5.058905	5.097318	5.262384	5.217293	5.139353	5.941587	5.983386	5.983596	5.78212	5.697845	5.780706
AC104117.	ENSG0000	0.31779	-1.67705	2.80222	0.012017	0.033699	-2.88141	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.388276	1.498542	1.360915	1.621093	1.681564	1.639204	1.599785	1.645686	1.461048
LYN	ENSG0000	-0.10153	6.374712	-2.53953	0.020857	0.051999	-4.5589	5.94235	5.887846	5.823902	5.854769	5.741991	5.860389	5.743574	5.932665	5.866318	7.054197	6.98321	7.105917	6.859794	6.87352	6.836635	6.868613	6.90825	6.944944
PINX1	ENSG0000	-0.40993	3.04476	-4.41697	0.000355	0.002049	0.090238	4.186225	4.094678	4.02711	3.342644	3.362223	3.632327	3.490873	3.578282	3.655245	2.906434	2.991286	3.068941	2.452975	2.433888	2.528806	2.935534	2.841019	2.59029
RBPMS-AS	ENSG0000	-0.50665	0.820015	-2.92848	0.009179	0.027157	-2.67339	1.430644	1.374745	1.585853	1.933905	1.373859	1.526279	1.525136	1.001115	1.314712	1.52331	1.588084	1.896649	1.797417	1.560439	1.695314	1.387593	1.2488	1.170016
PCDHGB7	ENSG0000	0.79932	1.026965	4.758476	0.000169	0.001149	0.900865	0.216396	0.410755	0.512639	0.635873	1.006428	0.657796	0.782422	1.001115	0.515351	2.47802	2.841532	2.409144	4.215053	4.127629	4.12984	3.011667	3.394711	3.162857
LINC01947	ENSG0000	0.425247	-1.23094	4.011528	0.000861	0.004142	-0.54185	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.732907	2.032826	2.055402	2.412911	2.250257	2.34809	2.283004	2.274787	2.200755
NPIPB11	ENSG0000	-0.05628	0.184783	-0.24427	0.809867	0.869183	-6.02399	1.561356	1.277811	1.202741	1.182548	1.2379	1.475193	1.160105	1.15884	1.564539	1.199504	1.112482	1.027938	0.945898	0.484926	0.760679	0.974502	1.118494	1.170016
PCDHGB1	ENSG0000	0.604924	2.017993	5.222339	6.32E-05	0.000527	1.808765	0.667115	0.8079	1.358564	1.791994	1.666451	1.714252	1.459147	1.491012	1.50602	2.894025	3.116952	2.930089	4.275881	4.376675	4.355551	3.455083	3.394711	3.455199
PCDHGA3	ENSG0000	1.071716	-1.00751	3.041256	0.007202	0.022358	-2.40367	0.106501	0.106501	0.106501	0.395333	0.389229	0.2349	0.886508	0.106501	0.256032	1.315703	1.190799	1.387696	2.009285	1.793303	1.580823	1.571317	1.851139	1.626848
LINC00824	ENSG0000	0.097105	1.406149	0.450934	0.657581	0.75307	-5.89889	7.574339	7.628616	7.64188	7.653978	7.645607	7.733513	7.641187	7.73863	7.739133	0.106501	0.106501	0.106501	0.106501	0.190544	0.106501	0.106501	0.106501	0.106501
KRT8P3	ENSG0000	-0.59214	1.607775	-1.93036	0.069952	0.135095	-4.6775	2.917019	2.802095	2.933559	1.393812	1.556428	1.623325	1.459147	1.231675	1.314712	2.543041	1.922393	2.07201	2.096181	2.016959	2.10048	2.317694	2.37332	2.442395
MIR2052H	ENSG0000	-0.02514	-1.51231	-0.18505	0.855324	0.902337	-6.16318	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.704765	1.989662	1.759838	1.689764	1.970168	1.667532	1.734264	1.613793	1.739782
RHPN1-AS	ENSG0000	0.119987	0.745008	0.568819	0.576716	0.683998	-6.19614	0.41387	1.061904	0.512639	0.841981	1.2379	0.984419	0.415731	0.509405	1.01237	2.47802	2.23117	2.382761	2.727949	2.50126	2.382676	2.597261	2.212266	2.629903
LRRC24	ENSG0000	-0.02684	0.285257	-0.09414	0.926068	0.951167	-6.00513	1.069823	1.061904	0.829201	2.181668	2.229385	1.993763	0.886508	0.824004	1.0941	0.88529	0.89579	1.094478	1.27873	1.495836	1.209118	1.320757	0.637375	0.999041
AP002495.	ENSG0000	-0.03777	1.26466	-0.26099	0.797153	0.859424	-6.38443	1.336422	1.277811	1.256574	1.182548	1.006428	1.310092	1.240874	1.367163	0.833554	2.263275	2.575707	2.243088	2.852992	2.729118	2.589286	2.229352	2.447571	2.507643
AP5B1	ENSG0000	0.145786	4.82735	1.932348	0.06969	0.134717	-5.42239	4.339825	4.360345	4.345467	4.384261	4.500575	4.531264	4.80585	4.59693	4.578115	5.026968	5.085124	5.252955	5.530276	5.432385	5.542234	5.273642	5.146465	5.12686
AL354920.	ENSG0000	-0.46779	1.838713	-2.6452	0.016735	0.043704	-3.37651	2.965042	3.235413	2.933559	2.181668	2.03796	1.919272	2.186178	2.676938	2.588518	2.033684	2.053933	1.969371	1.878105	1.871771	2.036756	1.926335	1.851139	1.665483
FLJ20021	ENSG0000	-1.2509	1.323381	-6.08508	1.08E-05	0.000135	3.572035	2.021155	2.009193	2.514675	1.933905	1.953662	1.714252	0.886508	1.367163	1.0941	1.91588	2.074736	2.355887	2.638129	2.416542	2.365487	1.599785	1.406038	1.222783
AF186192.	ENSG0000	0.061766	-1.85964	0.397369	0.695906	0.782532	-5.97326	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.423238	1.265082	1.248523	1.473091	1.462417	1.320349	1.387593	1.329561	0.999041
PABPC4L	ENSG0000	-0.22257	0.018223	-1.06758	0.300233	0.419196	-6.03364	0.216396	0.215206	0.106501	0.258133	0.389229	0.3528	0.106501	0.106501	0.106501	3.831846	3.735447	3.519989	2.872818	3.098942	2.930541	3.478269	3.579432	3.56145
BBOX1-AS	ENSG0000	-0.48671	-1.35897	-1.39504	0.18048	0.282139	-4.95448	2.345296	2.37994	2.326135	2.548252	2.549605	2.196611	1.867984	1.760835	2.127218	0.190076	0.106501	0.106501	0.106501	0.106501	0.263213	0.106501	0.106501	0.106501
AP003068.	ENSG0000	0.10656	0.945314	0.409019	0.687494	0.776463	-6.34698	1.12723	1.061904	1.453818	0.258133	1.164793	0.657796	1.160105	0.915275	0.833554	1.91588	2.405511	2.328504	2.781373	2.784257	2.647333	2.524879	2.295039	2.442395
NA	ENSG0000	0.218832	1.534001	1.531598	0.143521	0.236148	-5.41372	0.814199	1.327092	1.028027	1.326771	1.307481	1.055701	1.762502	1.658879	1.445026	3.036317	3.002186	2.893183	2.638129	2.381211	2.449456	2.935534	2.985098	3.006111
WAC-AS1	ENSG0000	-0.04781	3.883667	-0.41215	0.68524	0.774716	-6.81148	4.239263	4.324392	4.288462	4.342447	3.844198	4.256608	4.245129	4.38177	4.45204	3.64455	3.547323	3.804677	3.762697	3.921728	4.067427	3.485915	3.467897	3.641153
NA	ENSG0000	0.742088	-0.80649	3.279719	0.004292	0.014897	-1.88273	2.850396	3.012542	2.865896	4.031135	4.249727	4.071231	3.705302	3.578282	3.60036	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PKD1P5	ENSG0000	-0.00226	0.538005	-0.01194	0.99061	0.993656	-6.11813	1.384302	1.327092	1.585853	1.256461	1.498102	1.250575	1.317361	1.082132	1.314712	0.934589	1.300837	1.333627	1.524131	1.528499	1.17005	1.320757	1.478665	1.170016
AP002387.	ENSG0000	-0.17615	3.200453	-1.11831	0.27857	0.396014	-6.20953	3.223781	3.100202	3.075109	2.605941	2.429905	2.763128	3.440463	3.102941	3.614278	3.785574	3.675424	3.829308	3.865227	3.940055	3.78667	3.272618	3.595851	3.410407

FPGT	ENSG0000	0.272458	3.389428	2.955901	0.008655	0.025908	-3.02996	3.774862	3.936954	3.586821	4.359318	4.455308	4.358792	3.904396	4.128801	4.16108	2.978724	2.727926	2.615819	3.173846	3.38415	3.335521	2.935534	2.895091	2.975687
MEX3A	ENSG0000	0.181104	3.784117	3.395476	0.003333	0.012185	-2.58979	1.990546	1.551021	1.818408	2.103714	1.817192	1.757653	2.144798	1.901414	1.918715	5.951485	5.927012	6.055851	6.403511	6.335719	6.425343	6.118515	6.151003	6.18645
AC137894.	ENSG0000	0.139087	-1.22495	0.731061	0.47443	0.593631	-6.00108	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	2.263275	2.155072	2.16783	1.755315	1.819936	1.639204	2.417026	2.030948	2.252429
SLC22A18	ENSG0000	0.924384	-0.27435	3.699855	0.001709	0.007139	-1.19533	0.216396	0.215206	0.106501	0.258133	0.389229	0.3528	0.548589	0.622068	0.39151	1.940223	2.095243	2.473063	1.548989	1.462417	1.876113	2.831347	2.585506	2.59029
AP001372.	ENSG0000	-0.23468	2.05976	-1.51012	0.14888	0.24318	-5.34826	3.288121	2.90305	3.133821	2.577385	1.953662	2.064596	2.667326	2.938616	2.77354	2.163418	2.174476	2.183199	1.99126	2.039797	1.947161	2.075685	2.006592	2.226823
LINC02551	ENSG0000	-0.12749	-0.39082	-0.43355	0.669918	0.76266	-6.0452	0.667115	0.661886	0.323815	0.395333	0.512209	0.3528	0.670238	0.106501	0.39151	1.388276	1.644832	1.73919	1.308151	1.528499	1.580823	1.759719	1.82352	1.461048
MPV17L2	ENSG0000	0.079763	3.108085	0.577738	0.57081	0.679599	-6.53434	3.27548	3.235413	3.119366	3.727576	3.867423	3.666886	3.258446	3.214961	2.937508	3.058725	2.889287	3.36689	3.236398	3.193633	3.032078	3.366734	3.2466	3.241681
TMEM9B-	ENSG0000	-0.87342	1.069447	-4.7956	0.000156	0.001079	1.080949	2.609804	2.61635	2.661582	2.425456	2.490996	2.402038	2.058296	1.430416	1.918715	1.199504	1.112482	1.387696	1.420179	1.16289	1.209118	1.177011	0.871168	0.805046
BORCS8	ENSG0000	-0.23034	2.53551	-2.25325	0.037352	0.082391	-4.24268	3.026682	2.91921	2.966237	3.083078	2.926537	3.119801	2.884002	2.777669	2.697131	2.320032	2.766797	2.796562	2.852992	2.714997	2.80865	2.432936	2.500854	2.374055
LINC02751	ENSG0000	-0.16176	-0.85646	-1.55456	0.137971	0.229356	-5.29893	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.693825	2.865607	2.883807	3.004458	3.009215	2.743612	2.554269	2.601856	2.668457
AC105219.	ENSG0000	-0.09529	-0.08747	-0.36838	0.717016	0.79966	-6.2264	0.216396	0.410755	0.219246	0.635873	0.512209	0.2349	0.782422	0.387194	0.106501	2.282443	2.115463	2.314614	2.649667	2.433888	2.465679	1.903678	2.078458	2.326628
DPP3	ENSG0000	-0.49819	5.903244	-7.12949	1.44E-06	2.87E-05	5.126162	6.027737	5.910253	5.992018	5.89871	5.907988	5.807161	5.167879	5.348128	5.155586	6.324078	6.226791	6.351158	6.253734	6.205427	6.194185	5.962842	6.08856	5.894855
BRK1	ENSG0000	0.022048	6.956114	0.618749	0.544062	0.655424	-7.29291	6.72525	6.752599	6.705141	6.956645	6.85198	6.89634	6.748129	6.794778	6.799125	7.15968	7.106398	7.125938	7.134831	7.118474	7.174315	7.075339	7.167755	7.134169
AP002807.	ENSG0000	-0.57194	0.600754	-1.9537	0.066933	0.130485	-4.3575	1.430644	1.744817	1.987129	1.933905	2.299368	1.919272	1.70672	1.491012	1.38134	1.278001	1.616737	1.248523	0.828978	1.032323	0.707101	0.686723	0.816175	1.222783
AF186192.	ENSG0000	0.155963	0.079261	1.114642	0.280097	0.397392	-6.12286	0.318509	0.215206	0.106501	0.106501	0.106501	0.3528	0.106501	0.106501	0.106501	3.737768	3.626949	3.669344	3.918659	3.871689	3.991027	3.836267	4.05364	3.770842
CHMP1B	ENSG0000	0.005556	7.547755	0.03665	0.97118	0.981447	-7.50119	7.56073	7.523532	7.48088	8.710535	8.761234	8.659022	8.057534	8.087282	8.089183	7.098808	7.075122	7.168066	7.350792	7.400749	7.402651	6.444083	6.594666	6.555153
CENATAC-I	ENSG0000	0.038978	1.219049	0.229142	0.821418	0.877613	-6.30935	1.12723	1.327092	1.256574	1.840866	1.437317	1.475193	1.459147	1.549165	1.826075	2.282443	2.285719	2.213454	1.776519	1.793303	2.036756	2.055273	2.124453	1.973284
AP002360.	ENSG0000	-0.38647	2.565267	-2.8518	0.010814	0.03093	-3.23814	2.933205	2.802095	2.758051	1.688986	2.03796	2.064596	2.752438	2.147141	2.34318	3.45483	3.322263	3.325935	3.27416	3.223865	3.344321	3.053433	3.093137	3.065099
EID3	ENSG0000	-0.0942	-0.49411	-0.20986	0.836205	0.888215	-5.85148	2.392887	2.61635	2.351095	2.605941	2.633282	2.763128	2.545421	2.147141	2.309357	0.34397	0.259702	0.288049	0.106501	0.106501	0.186984	0.257084	0.19538	0.497646
AC084125.	ENSG0000	0.058338	1.157988	0.273065	0.788004	0.851946	-6.1473	2.051128	1.374745	1.987129	2.063099	2.299368	2.064596	1.966276	2.147141	2.376228	1.490718	1.529011	1.360915	1.689764	1.591687	1.639204	1.214313	1.368306	0.999041
SNHG9	ENSG0000	-0.23298	2.640011	-1.74571	0.098415	0.176629	-5.12508	3.041689	3.235413	3.148134	2.661411	3.410458	3.27721	3.027514	3.063581	3.323715	2.943032	2.674414	2.930089	2.591031	2.467968	2.449456	2.539649	2.447571	2.397196
AC109322.	ENSG0000	-1.05138	1.396356	-5.88319	1.61E-05	0.000186	3.198222	2.609804	2.356396	2.5366	2.291228	2.193078	1.669505	1.317361	1.430416	1.314712	1.865926	2.011405	2.004401	1.878105	2.084417	1.947161	1.482378	1.613793	1.504318
MIR100HG	ENSG0000	-0.21265	1.945272	-0.9952	0.333217	0.453513	-6.21994	2.461454	2.819419	2.423483	0.635873	1.006428	0.984419	1.160105	1.15884	1.564539	3.479955	3.313538	3.373604	2.770846	2.913535	2.743612	3.516101	3.449945	3.611778
AP006621.	ENSG0000	0.233902	1.164931	1.133723	0.272223	0.388971	-5.55374	1.791852	1.947501	1.744977	2.21912	2.078331	2.132113	2.545421	2.108984	2.560038	1.315703	1.335727	1.439812	1.548989	1.652223	1.51998	0.974502	1.289746	1.222783
EID1	ENSG0000	0.207655	8.326985	2.548194	0.020485	0.051305	-4.66597	8.372273	8.451824	8.396737	9.117122	9.089408	9.086458	8.817213	8.894205	8.894002	7.828383	7.841379	7.881597	7.939058	8.039346	7.94568	7.796973	7.807992	7.774902
AF131215.	ENSG0000	-0.18641	1.868085	-1.54296	0.140751	0.232728	-5.26683	2.165157	2.283367	2.018628	2.21912	2.117603	2.605775	1.762502	1.760835	2.239236	2.18395	2.42184	2.243088	2.602951	2.48471	2.497588	2.192442	2.169028	2.226823
NOX5	ENSG0000	1.191467	0.486145	4.736781	0.000178	0.001188	0.959403	2.416107	2.258179	2.641489	1.519216	1.307481	1.669505	3.632324	3.564249	3.614278	0.982259	0.524532	0.639567	0.171976	0.345231	0.404558	1.017342	1.16325	0.734116
HCAR3	ENSG0000	-0.76501	-0.02242	-1.75775	0.09629	0.173514	-4.68778	1.561356	1.947501	1.744977	0.395333	0.106501	0.746642	1.525136	1.001115	1.445026	1.278001	1.265082	1.333627	1.154653	1.077171	1.002253	0.789161	0.871168	0.999041
PCDHA3	ENSG0000	0.52687	0.122739	2.772733	0.012792	0.035441	-3.29281	0.216396	0.215206	0.421314	0.106501	0.389229	0.3528	0.269385	0.106501	0.106501	2.736149	2.85362	2.930089	3.640803	3.688714	3.571181	3.358427	3.644015	3.364179
AP003486.	ENSG0000	-0.5772	2.388678	-4.63913	0.000219	0.001391	0.665202	3.041689	2.55562	2.848472	3.162124	2.85862	3.152687	2.303642	2.389238	2.239236	2.749986	2.924094	2.592986	2.638129	2.743101	2.716753	2.154563	2.392244	2.326628
AP002748.	ENSG0000	-0.01465	1.70339	-0.11046	0.913306	0.942625	-6.45197	1.826927	1.374745	1.30847	1.634586	1.817192	1.669505	1.588238	1.658879	2.005764	2.494552	2.575707	2.485514	2.968056	2.938056	2.918805	2.464239	2.354144	2.277588
POLR2M	ENSG0000	0.34183	4.697861	3.867045	0.001183	0.005353	-1.43247	4.772011	4.701347	4.822347	5.320976	5.321958	5.294884	5.383345	5.376512	5.325957	4.341661	4.269773	4.314216	4.47385	4.488812	4.338034	4.21775	4.469068	4.394143
FDXACB1	ENSG0000	0.378631	1.565295	2.304019	0.033739	0.076072	-3.99528	2.080492	1.708084	1.406977	1.888135	1.612488	1.919272	2.513265	1.760835	2.165532	1.840286	2.011405	1.933468	2.329284	2.250257	2.312654	2.135245	2.030948	2.226823
PCDHB17P	ENSG0000	0.653752	-0.94877	2.32138	0.03258	0.073927	-3.75441	0.106501	0.215206	0.219246	0.258133	0.512209	0.461789	0.106501	0.106501	0.106501	1.199504	1.265082	1.277453	2.24051	2.06228	2.058312	2.055273	1.766644	2.003758
AC010185.	ENSG0000	-0.22924	-1.15236	-0.80178	0.433448	0.554731	-5.91682	0.216396	0.106501	0.106501	0.106501	0.106501	0.461789	0.106501	0.106501	0.106501	2.243849	2.355385	2.198406	1.336984	1.495836	1.639204	1.948641	2.233409	2.033602
FAM222A-	ENSG0000	-0.66951	-0.03743	-2.02729	0.058164	0.11691	-4.26123	1.430644	1.327092	1.256574	0.635873	1.006428	0.657796	1.074544	0.915275	0.256032	1.646779	1.644832	1.387696	0.610222	0.671977	0.593579	1.419885	1.289746	1.626848
SNHG1	ENSG0000	-0.09713	5.664015	-1.3546	0.192799	0.296356	-6.42437	5.539016	5.590232	5.681107	5.554996	5.351085	5.500479	5.715585	5.650007	5.680369	6.066529	6.162652	5.870103	5.57332	5.510085	5.611309	5.65393	5.847615	5.923032
AGAP2-AS	ENSG0000	0.318629	3.568618	3.383223	0.003424	0.012453	-2.19091	3.262728	3.428416	3.24453	4.510463	4.807214	4.454215	3.705302	3.446787	3.572114	2.868884	3.269103	3.117748	4.305359	4.220515	4.189664	3.485915	3.287607	3.387478
GOLGA2P1	ENSG0000	0.157336	3.35478	2.195165	0.041922	0.090304	-4.61072	2.884092	3.085957	3.044832	3.425084	3.441741	3.231764	3.219115	3.122225	3.218306	3.552807	3.619889	3.602326	4.15964	4.148793	4.088533	3.730814	3.842828	3.55117
AC131206.	ENSG0000	0.53882	2.96921	3.863095	0.001194	0.00539	-1.09679	3.183753	2.982098	3.217639	3.06262	3.073582	3.119801	3.733489	3.868266	3.721038	2.635389	2.804649	2.627101	3.116795	3.203781	3.299771	2.901634	3.034117	3.176297
PXN-AS1	ENSG0000	0.174143	2.257067	1.16463	0.259819	0.375219	-5.7837	2.526909	2.9974	2.830836	3.123142	3.170134	2.629332	2.933443	3.178579	3.084728	2.033684	2.320972	2.198406	2.329284	2.21055	1.900186	2.334732	2.030948	2.14716
PRECSIT	ENSG0000	0.600556	1.874306	4.94166	0.000114	0.000842	1.205877	0.814199	0.940485	0.964748	1.519216	1.164793	1.123626	1.648695	1.605065	1.873138	3.236329	3.204502	3.026968	3.575762	3.710228	3.578659	3.685048	3.431768	3.498643
CTSO	ENSG0000	0.404388	5.052063	5.219252	6.36E-05	0.000529	1.433094	4.433832	4.312206	4.339244	5.860706	5.664554	5.735705	5.026946	5.058905	5.067277	4.58494	4.686104	4.783729	5.844525	5.904702	5.869343	4.850615	4.819468	4.950363
COA8	ENSG0000	-0.15291	3.602134	-1.48667	0.154918	0.250709	-5.82479	3.86199	3.667203	3.707702	3.20008	3.34578	3.231764	3.388228	3.605944	3.323715	3.97421	3.786782	3.982106	4.126992	4.127629	4.083285	3.865871	3.929587	3.797179
TRAPPC2B	ENSG0000	-0.05059	2.351534	-0.50592	0.619232	0.719743	-6.43866	2.526909	2.403106	2.248556	2.359902	2.549605	2.429135	2.376953	2.540248	2.616448	2.83033	2.766797	2.86487	2.842976	3.009215	2.716753	2.509956	2.799093	2.778299
URB1-AS1	ENSG0000	-0.25785	2.33978	-2.56629	0.01973	0.049799	-3.75755	2.483604	2.470453	2.109199	1.933905	1.953662	1.799787	1.966276	2.324112	2.376228	3.255856	3.166245	3.346558	3.165832	2.985883	2.918805	2.990321	2.947209	3.079476
ZNF432	ENSG0000	0.594772	3.432124	9.177356	4.24E-08	1.92E-06	8.923117	2.483604	2.513665	2.423483	2.81607	2.811499	2.885561	2.884002	3.002451	2.869505	4.177304	4.137605	4.029643	4.518584	4.541772	4.431851	4.511692	4.833383	4.744721
SBNO1-AS	ENSG0000	0.28023	-0.0703	1.040609	0.312239	0.43202	-5.4321	1.286899	1.327092	1.406977	1.457877	1.373859	1.367251	1.966276	1.85606	1.674905	0.781331	0.524532	0.76743	0.982856	0.550009	0.533283	0.576451	0.637375	0.409347
LINC00944	ENSG0000	0.025043	-1.88246	0.141866	0.888808	0.925589	-6.03387	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.073118	1.265082	1.514616	1.446877	1.203912	1.580823	1.214313	1.072305	1.322858
ADGRD1-A	ENSG0000	0.151537	-1.44802	0.640919	0.52989	0.642973	-5.66222	2.245129	2.009193	2.194417	2.999448	2.762786	3.103073	2.102195	2.357042	2.202855	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZNF10	ENSG0000	0.278911	2.598143	2.57382	0.019424	0.049131	-3.71648	2.320899	2.403106	2.399755	2.840308	2.460774	2.865864	2.858632	3.063581	2.440135	2.804042	2.804649	2.948194	3.18974	3.348006	3.234995	3.032701	3.046116	2.896697
ZNF486	ENSG0000	-0.0512	0.379172	-0.52558	0.605782	0.708194	-6.86359	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.256032	4.809665	4.96212	4.796278	4.577158	4.541772	4.573316	4.783949	4.637141	4.784756
SMIM3	ENSG0000	-0.26526	2.953605	-1.61191	0.124892	0.212424	-5.47729	3.887134	3.812706	3.698006	2.48816	2.57804	2.455733	3.219115	3.351955	3.084728	3.002038	3.15652	3.283783	2.902055	3.193633	2.965187	3.236813	3.193646	3.035906
SUPT16HP	ENSG0000	-0.17413	0.032443	-0.8081	0.429892	0.551171	-5.79646	0.947665	0.582935	1.202741	0.395333	0.625525	0.830331	1.074544	0.915275	0.833554	1.352446	1.498542	1.49011	1.248697	1.282615	1.423614	1.177011	1.289746	1.273688
HMBS	ENSG0000	0.017887	5.295204	0.412435	0.685036	0.774546	-7.20459	4.95357	4.893538	5.101429	4.863733	4.992907	4.918297	5.082792	4.976535	5.021009	5.737245	5.65216	5.776944	5.64136	5.593492	5.633019	5.70232	5.802349	5.666299
ZNF225	ENSG0000	0.189013	2.591513	1.648371	0.117134	0.202224	-5.3504	2.345296	2.152784	2.049454	2.548252	2.193078	2.629332	2.724622	2.568641	2.723053	3.0698	2.958081	3.195594	3.5452	3.487446	3.517722	3.123735	3.069818	3.079476
NA	ENSG0000	0.147613	1.477141	0.705447	0.489828	0.607443	-6.12194	2.218961	2.179863	1.987129	1.256461	1.2379	1.669505	2.637802	2.676938	2.846105	2.18395	1.967585	2.104662	1.473091	1.766169	1.488568	1.599785	2.101639	1.877799
RPL41P5	ENSG0000	-0.37768	-0.04236	-1.31165	0.206607	0.312921	-5.22466	1.235614	1.327092	0.598525	1.104644	0.512209	0.984419	0.983587	0.622068	1.0941	1.073118	1.265082	1.158083	1.088368	1.393161	1.209118	0.738851	0.975239	1.170016
POLG2	ENSG0000	-0.34209	3.912645	-3.37608	0.003478	0.0126	-2.39552	4.226185	4.006672	4.065319	3.57705	3.410458	3.666886	3.690999	3.749274	3.796224	4.327889	4.34876	4.182763	4.359059	4.394504	4.41524	3.928936	4.005291	4.037057
SMIM10L1	ENSG0000	0.006075	5.30322	0.104221	0.918181	0.946147	-7.27057	5.334855	5.410426	5.347631	5.254892	5.20376	5.261353	5.32896	5.281075	5.443658	5.46891	5.355466	5.599302	5.15451	5.15751	5.058283	5.586184	5.451724	5.434288
AC156455.	ENSG0000	-0.13039	2.519175	-1.28341	0.216104	0.324748	-5.89686	1.561356	1.947501	2.109199	2.393052	2.229385	2.429135	1.648695	1.945386	1.826075	3.673879	3.640966	3.476988	3.703037	3.839509	3.658454	3.374993	3.520448	3.477085
AC010186.	ENSG0000	0.049097	0.942015	0.250458	0.805154	0.865369	-6.61056	1.069823	0.8079	0.898566	0.52061	0.106501	0.657796	0.548589	0.726566	0.629397	3.036317	3.116952	3.052298	3.141522	3.120528	3.167173	3.307556	2.99751	3.267027
AC010197.	ENSG0000	-0.10071	-0.56026	-0.67269	0.509941	0.625213	-6.22073	0.216396	0.215206	0.219246	0.106501	0.25478	0.106501	0.106501	0.106501	0.256032	2.804042	2.66072	2.796562	2.129525	2.21055	2.10048	2.625227	2.841019	2.742606
ZBTB11-AS	ENSG0000	-0.14752	2.599361	-1.49436	0.152918	0.24829	-5.58237	2.438959	2.37994	2.351095	2.518519	2.460774	2.258349	2.446718	2.147141	2.309357	3.17611	3.195032	3.353367	3.703037	3.503965	3.608189	3.298901	3.009816	2.975687
ZNF350	ENSG0000	0.292542	2.767619	2.45104	0.025029	0.060063	-4.08552	2.19231	2.068355	2.109199	2.548252	1.817192	2.5075	2.144798	2.220554	2.274723	3.358771	3.373534	3.406715	4.31626	4.326476	4.435973	3.70484	3.72088	3.641153
ZNF253	ENSG0000	0.079651	2.183305	0.708426	0.488022	0.605954	-6.60779	1.430644	1.327092	1.62731	1.326771	0.92021	0.657796	1.459147	1.549165	1.50602	3.980092	3.924944	3.839044	4.028794	4.039723	3.968435	3.962207	3.93605	4.066226
AC022613.	ENSG0000	0.326422	0.074522	1.314104	0.205798	0.311993	-5.23653	0.814199	0.736739	1.30847	1.256461	1.498102	0.657796	0.983587	1.082132	1.01237	0.982259	1.190799	1.061592	1.088368	0.888753	1.002253	1.419885	1.072305	1.370407
C17orf100	ENSG0000	-0.35197	-0.29672	-1.07532	0.29685	0.415818	-5.57343	0.503316	0.661886	0.598525	0.841981	0.512209	0.461789	0.106501	0.106501	0.256032	1.388276	1.588084	1.67541	2.193986	2.06228	2.07955	1.708352	1.613793	2.091498
PPP1R14B-	ENSG0000	0.214031	2.391701	1.23705	0.232432	0.343523	-5.78811	2.833249	2.748839	2.600444	2.999448	3.012388	2.845893	2.884002	2.420731	2.915195	2.409929	2.701418	2.592986	2.145912	2.039797	2.07955	2.957699	2.841019	2.830235
AC131009.	ENSG0000	0.746225	-0.45017	2.062343	0.054363	0.110788	-4.0274	1.861169	2.068355	2.049454	2.21912	2.366112	2.064596	2.637802	2.511284	2.723053	0.34397	0.398185	0.16959	0.234608	0.190544	0.106501	0.326864	0.2791	0.497646
AC010186.	ENSG0000	0.009093	0.401644	0.0669	0.947421	0.965866	-6.36224	0.503316	0.316291	0.512639	0.635873	0.625525	0.461789	0.548589	0.622068	0.515351	2.427256	2.531245	2.30059	2.661114	2.381211	2.497588	2.524879	2.212266	2.226823
MIR200CH	ENSG0000	0.852606	-0.70639	4.561162	0.000259	0.001594	0.523146	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.033684	2.303453	2.021603	3.799417	3.644697	3.637126	2.901634	2.921385	2.928814
AP001453.	ENSG0000	-0.66868	0.556015	-3.137	0.005855	0.0191	-2.22904	2.296082	2.71221	2.221741	1.393812	1.087782	1.250575	1.648695	1.945386	1.777424	1.388276	1.152172	0.993481	0.907968	0.784432	0.760679	1.058946	0.975239	0.734116
DENND11	ENSG0000	-0.20285	5.457787	-1.89457	0.074817	0.142596	-5.62705	5.613726	5.685425	5.557879	4.43289	4.276	4.460795	5.183289	5.293887	5.300358	6.023031	6.148004	5.948645	5.674214	5.764345	5.685908	5.909826	5.93893	5.998741
LSM14A	ENSG0000	0.106805	7.08311	1.618277	0.123506	0.210643	-6.22192	7.121978	7.136362	7.08394	6.732178	6.730577	6.768241	7.14956	7.237598	7.196093	7.108238	7.072539	7.10289	7.180289	7.184654	7.208457	7.189199	7.214358	7.277465
RRN3P3	ENSG0000	-0.03419	1.632577	-0.22273	0.826331	0.88121	-6.39981	1.826927	2.009193	2.221741	1.578054	1.373859	1.799787	1.917967	1.549165	1.777424	2.078238	2.338281	2.213454	2.479079	2.596763	2.399663	2.384669	2.254246	2.302316
NA	ENSG0000	0.788816	1.880848	4.24379	0.000518	0.002775	-0.07347	1.519087	1.631689	1.744977	3.181227	2.85862	3.03415	2.752438	2.623806	2.748518	1.586365	1.699433	1.67541	2.949505	2.671787	2.821313	1.85727	1.82352	1.739782
TMPO-AS1	ENSG0000	-0.08051	1.180669	-0.31679	0.755157	0.828573	-6.20407	2.505419	2.513665	2.492412	1.74141	2.429905	1.799787	2.340763	2.511284	2.376228	1.676063	1.699433	1.896649	0.5125	0.7293	0.533283	1.926335	1.645686	1.546329
GATC	ENSG0000	-0.21596	5.819974	-4.74135	0.000176	0.001178	0.264012	6.273193	6.477742	6.314222	6.164136	6.106488	6.059941	6.135589	6.131335	6.155213	5.666054	5.617135	5.599302	5.45336	5.50599	5.328241	5.394346	5.365774	5.499895
AC008014.	ENSG0000	-0.17249	1.474143	-1.04705	0.309342	0.42897	-5.85064	1.826927	1.947501	2.018628	1.393812	1.307481	1.422231	1.317361	1.710758	1.918715	2.100009	2.135404	2.30059	2.314863	2.48471	2.481722	2.229352	2.101639	2.06284
ZNF271P	ENSG0000	0.648341	4.647199	6.368882	6.14E-06	8.77E-05	3.85576	4.315334	4.136747	4.095173	5.245847	5.338674	5.207592	5.173034	5.007978	5.121883	4.172174	4.415514	4.268117	4.843945	4.627193	4.817241	4.743057	4.568087	4.646745
ZBED6	ENSG0000	0.072476	3.664134	0.568512	0.576919	0.684014	-6.68978	3.967917	3.952741	4.167214	3.791129	4.167908	4.379778	4.101117	4.307901	4.132351	3.651939	3.824119	3.38694	3.213258	3.243672	3.032078	3.603046	3.385297	3.770842
AC068888.	ENSG0000	0.286598	2.261588	2.017897	0.059222	0.118552	-4.59066	2.218961	2.258179	2.274882	3.20008	2.787348	3.086148	2.303642	2.147141	2.087859	2.320032	2.174476	2.152295	2.791825	3.292034	2.976553	2.639009	2.552239	2.706008
AC048341.	ENSG0000	-0.70984	1.466563	-3.26181	0.004463	0.015366	-2.01918	3.373632	3.461896	3.296854	3.273122	3.225109	3.152687	2.513265	2.702788	2.748518	1.239286	0.941811	0.993481	1.154653	1.16289	1.423614	0.517985	0.975239	1.322858
FNTB	ENSG0000	0.009821	3.160903	0.117473	0.907825	0.939101	-6.79304	3.397161	3.273623	3.204003	3.21869	2.970101	2.980206	3.115825	2.960209	3.124172	3.659289	3.439177	3.426222	3.46257	3.272884	3.353069	3.651445	3.651889	3.611778
AC121761.	ENSG0000	-0.27324	0.815578	-1.26622	0.222052	0.331839	-5.39665	2.296082	2.37994	2.514675	1.457877	1.164793	1.367251	1.762502	2.184314	1.727075	1.388276	1.190799	1.126631	0.907968	1.032323	0.957066	1.099384	1.2488	1.739782
AC124947.	ENSG0000	-0.46921	-1.15623	-1.84995	0.081302	0.152287	-4.59977	0.503316	0.215206	0.219246	0.106501	0.106501	0.106501	0.106501	0.387194	0.106501	1.76051	1.672391	1.800268	1.689764	1.591687	1.423614	1.542275	1.513652	1.370407
LINC02298	ENSG0000	-0.4916	1.042802	-1.93225	0.069703	0.134723	-4.45146	2.815895	2.49222	2.492412	1.840866	2.229385	2.532704	2.102195	1.710758	2.165532	0.88529	1.435603	1.277453	0.745413	1.462417	1.002253	1.214313	1.072305	1.170016
PPP1R12A-	ENSG0000	-0.07856	0.585861	-0.32852	0.746421	0.821899	-6.16024	0.814199	0.8079	1.146821	1.022291	0.828511	0.746642	0.983587	1.001115	1.445026	1.940223	1.403073	1.820066	2.357702	2.084417	2.257813	1.627702	1.442809	1.416439
HSPD1P4	ENSG0000	0.504441	0.329943	2.454825	0.024836	0.059712	-3.47969	1.430644	1.118985	1.146821	1.791994	1.768674	1.575618	1.317361	1.658879	1.620777	0.934589	0.848253	0.884879	0.745413	0.888753	1.046067	1.250674	0.924142	1.170016
MYG1-AS1	ENSG0000	-0.06858	-0.00511	-0.20141	0.842706	0.893587	-5.93853	2.021155	2.332462	1.54317	1.393812	1.373859	1.669505	1.240874	1.901414	1.873138	0.609835	0.330605	0.726056	0.407676	0.612281	0.593579	0.457048	0.816175	0.93723
PSMA3-AS	ENSG0000	0.466382	4.467577	3.818296	0.001317	0.005835	-1.53745	3.729242	3.904854	3.576275	4.681208	4.360275	4.562192	4.730929	4.696781	4.801363	4.529864	4.570022	4.415294	5.064709	5.07975	5.087406	4.54867	4.668528	4.651565
AC125603.	ENSG0000	0.525693	-1.53358	4.145298	0.000642	0.003272	-0.22179	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.52331	1.498542	1.305813	1.935792	1.921808	2.161508	1.833493	1.795362	1.703111
GIHCG	ENSG0000	-0.07603	1.630554	-0.35957	0.723479	0.803972	-6.15678	3.476616	3.547555	3.359697	3.103249	3.132285	3.051692	3.315502	3.26787	3.199964	0.7264	1.369793	0.884879	1.186687	1.203912	1.284217	1.286141	0.871168	1.322858
LBX2-AS1	ENSG0000	-0.02143	1.231027	-0.14219	0.888554	0.925589	-6.48432	1.069823	1.226787	0.829201	0.841981	0.828511	0.830331	1.240874	1.001115	1.38134	2.736149	2.727926	2.485514	2.892375	3.152313	2.833866	2.509956	2.535313	2.610232
INAFM1	ENSG0000	0.40905	1.691565	2.939758	0.00896	0.026614	-2.82159	1.336422	1.551021	1.585853	1.840866	2.078331	1.956998	1.648695	1.945386	1.564539	2.121457	2.135404	2.120715	2.977243	2.888589	3.053703	2.679583	2.618024	2.033602
CNPY2	ENSG0000	-0.19524	2.293666	-1.36208	0.19047	0.293568	-5.54141	3.128595	3.100202	3.231147	3.308302	2.991399	3.152687	2.933443	2.960209	2.82232	2.078238	2.485369	1.951531	1.838325	2.10622	2.23906	2.034568	1.878239	2.397196
FNBP1P1	ENSG0000	-0.87691	0.832745	-5.58378	2.98E-05	0.000295	2.625075	1.755904	1.708084	1.744977	1.104644	0.92021	1.188496	1.240874	1.231675	1.314712	2.100009	2.074736	2.055402	1.711947	1.282615	1.550722	1.13872	1.707432	1.461048
PRANCR	ENSG0000	-0.21977	0.091928	-0.58059	0.568926	0.678	-5.8587	1.18244	1.551021	1.146821	1.104644	1.087782	0.909432	1.240874	1.082132	1.314712	1.586365	0.398185	1.248523	1.365252	1.120667	1.08859	0.884806	0.924142	0.659518
AL133304.	ENSG0000	0.115802	-1.60507	0.636674	0.532588	0.645258	-5.91014	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.555182	1.265082	1.387696	2.027088	2.127698	2.399663	1.419885	1.289746	1.461048
AC121757.	ENSG0000	0.548019	0.249549	2.602936	0.018281	0.046797	-3.31791	0.41387	0.736739	0.421314	0.841981	0.625525	1.123626	0.782422	0.509405	0.256032	1.52331	1.529011	1.60868	2.357702	2.381211	2.449456	1.926335	2.030948	2.302316
LINC02588	ENSG0000	0.856439	1.146276	5.001672	0.000101	0.00076	1.468292	0.587539	0.661886	1.028027	1.256461	1.498102	1.669505	1.240874	1.367163	1.38134	2.01088	1.967585	2.243088	2.399306	2.288901	2.544166	2.679583	2.465551	2.81313
AL139023.	ENSG0000	-0.16185	0.301729	-0.71078	0.486595	0.604755	-5.95068	0.882475	0.875715	0.756332	0.395333	0.625525	0.830331	0.886508	0.622068	0.925731	1.814181	1.588084	1.60868	2.027088	2.433888	1.947161	1.599785	1.368306	1.626848
AC125603.	ENSG0000	0.073414	-0.48501	0.613902	0.547188	0.65798	-6.38356	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	3.186323	2.991286	3.262236	3.551365	3.583837	3.370406	3.236813	3.081525	3.202807
DDN-AS1	ENSG0000	-0.48323	-0.21642	-1.88647	0.07596	0.144387	-4.48959	0.947665	0.875715	0.898566	0.635873	0.512209	0.2349	0.415731	0.726566	0.39151	1.490718	1.529011	1.333627	1.498836	1.16289	1.610309	1.512637	1.16325	1.222783
CUX1	ENSG0000	0.458691	7.474455	8.674024	9.59E-08	3.56E-06	7.78572	7.420661	7.411616	7.532254	7.892878	7.948222	8.055475	8.124922	8.031001	8.026811	6.892073	6.882095	6.87344	7.394737	7.334178	7.313028	7.236992	7.149796	7.177419
AC011603.	ENSG0000	0.061338	0.418377	0.250497	0.805124	0.865369	-6.07481	1.235614	1.118985	1.088647	1.74141	1.164793	1.250575	1.240874	1.710758	1.564539	1.352446	1.498542	1.46518	0.828978	0.986036	0.957066	1.354562	1.2488	0.93723
AC025575.	ENSG0000	0.992124	0.215322	4.292175	0.000466	0.002548	0.08407	0.742531	1.118985	1.256574	1.519216	1.307481	1.367251	1.917967	1.945386	1.777424	0.781331	0.695454	1.027938	0.828978	0.7293	1.002253	1.177011	0.871168	1.170016
AC009779.	ENSG0000	0.353496	2.0627	2.485809	0.023304	0.056844	-3.73482	1.861169	1.947501	1.744977	2.425456	2.926537	2.697781	2.376953	1.901414	2.376228	2.320032	2.285719	2.30059	2.95881	2.671787	2.782986	2.692858	2.601856	2.200755
AC078923.	ENSG0000	-0.01334	-0.42731	-0.05148	0.959525	0.974161	-6.28307	0.587539	0.499412	0.598525	0.258133	0.106501	0.2349	0.269385	0.106501	0.515351	1.91588	2.032826	1.858866	1.498836	1.652223	1.826726	2.013561	2.169028	2.277588
AC025569.	ENSG0000	0.153	0.317285	2.536199	0.021001	0.052297	-4.14905	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.75239	4.80914	4.657367	5.235223	5.201218	5.166452	4.720549	4.956102	4.950363
AC073896.	ENSG0000	0.150116	2.174011	1.467832	0.159916	0.257132	-5.44629	2.109269	2.308123	2.049454	2.393052	2.762786	2.557474	2.480375	2.220554	2.501332	2.461296	2.575707	2.409144	2.727949	2.642244	2.795875	2.554269	2.392244	2.610232
AC002351.	ENSG0000	0.138131	-0.88442	0.748525	0.464098	0.583935	-6.05549	0.106501	0.215206	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.256032	2.100009	2.469748	2.25768	2.452975	2.288901	2.18129	2.384669	2.354144	2.226823
CHURC1	ENSG0000	0.668869	5.014814	11.20084	2.11E-09	1.93E-07	11.87278	4.428132	4.701347	4.537101	5.667647	5.627623	5.631655	5.213624	5.302366	5.165072	4.252132	4.45572	4.358889	5.639915	5.635331	5.591116	5.02344	4.975054	4.930673
NA	ENSG0000	0.185918	1.259957	0.937056	0.361499	0.483412	-5.87512	1.069823	1.420874	1.028027	2.021307	1.373859	1.575618	1.588238	1.001115	0.925731	1.891119	2.011405	1.653508	3.074617	3.301515	3.106389	1.903678	2.212266	2.003758
VASH1-AS	ENSG0000	0.048914	2.166909	0.366119	0.718671	0.80051	-6.51528	2.19231	1.670392	2.049454	1.688986	2.605925	2.164723	1.648695	2.069791	1.727075	2.978724	2.865607	2.902498	2.95881	3.077028	3.177059	3.063688	3.116085	2.896697
ZNF578	ENSG0000	0.211065	-0.49516	1.344288	0.196045	0.300308	-5.65364	0.106501	0.106501	0.219246	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	2.708071	3.146729	2.902498	3.449427	3.009215	3.317756	3.123735	3.215061	3.035906
PDF	ENSG0000	0.778968	0.518155	2.776383	0.012694	0.03524	-2.93786	1.010037	1.118985	1.358564	0.841981	1.307481	1.250575	1.074544	1.549165	1.445026	0.88529	0.848253	1.126631	1.711947	1.993753	1.826726	1.809319	1.707432	1.115245
LINC00641	ENSG0000	0.199452	2.773537	0.842035	0.411143	0.532839	-6.14092	4.315334	4.306074	4.215584	3.898911	3.502343	3.765857	4.851577	4.753535	4.680887	2.163418	2.372288	1.800268	1.733794	1.970168	1.992654	1.387593	1.645686	1.81044
AL132780.	ENSG0000	0.317102	0.546885	1.765393	0.094962	0.17162	-4.76237	0.667115	0.875715	0.598525	0.934951	1.087782	0.909432	0.782422	0.824004	0.735084	1.814181	1.435603	1.514616	2.727949	2.398985	2.795875	1.992244	1.82352	1.58715
AC005726.	ENSG0000	-0.0309	1.65478	-0.11136	0.912599	0.942236	-6.37581	1.642349	1.465573	1.256574	2.840308	2.264801	2.481849	1.867984	1.710758	1.564539	2.494552	2.500824	2.546206	2.009285	1.871771	2.18129	2.173627	2.429363	2.252429
LINC00239	ENSG0000	0.379993	1.467515	2.574101	0.019412	0.049119	-3.45677	2.392887	2.448351	2.300736	1.634586	1.666451	1.956998	2.957542	2.702788	2.748518	1.891119	1.369793	1.696985	1.27873	1.495836	1.284217	1.809319	1.737342	1.877799
AL079307.	ENSG0000	0.370615	-1.77463	1.851817	0.081021	0.15194	-4.51266	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.239286	1.228418	1.248523	1.154653	1.032323	1.320349	1.354562	1.513652	1.844513
LINC02274	ENSG0000	0.802977	-1.06705	2.094311	0.051094	0.105514	-3.99162	2.438959	2.576149	1.954926	2.605941	2.991399	2.741673	3.19904	3.250449	3.289427	0.190076	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AL160006.	ENSG0000	0.209093	2.962967	2.21135	0.040599	0.088135	-4.46436	2.780548	2.71221	2.600444	3.20008	3.112982	3.152687	3.277716	2.916694	2.959482	3.206534	3.241771	2.957162	3.669424	3.591587	3.615478	3.094024	3.385297	3.162857
ARHGAP5-	ENSG0000	-0.29331	1.984816	-1.52072	0.146215	0.23962	-5.45296	2.19231	1.978677	2.300736	1.519216	1.768674	1.669505	1.648695	0.726566	1.727075	2.894025	2.924094	3.043904	3.181815	3.04352	3.344321	2.935534	3.058015	2.880366
LINC01269	ENSG0000	-0.27267	-0.27187	-1.23256	0.234063	0.345493	-5.47098	0.503316	0.499412	0.323815	0.395333	0.512209	0.461789	0.415731	0.253663	0.256032	1.964162	2.437987	1.896649	1.392977	1.393161	1.284217	2.173627	1.878239	1.775544
LINC00638	ENSG0000	-0.18474	0.931809	-1.4244	0.171941	0.271865	-5.26966	1.336422	1.277811	1.256574	1.256461	1.556428	1.310092	1.459147	1.231675	1.171446	1.891119	1.672391	2.004401	1.878105	2.016959	1.970087	1.734264	1.513652	1.739782
SLC25A21-	ENSG0000	-0.45002	1.476681	-2.79762	0.012135	0.03397	-3.17281	1.642349	1.226787	1.853768	1.104644	0.828511	1.310092	1.160105	1.15884	1.38134	2.722179	2.674414	3.00983	2.95881	2.850343	2.858649	2.35157	2.37332	2.687355

AL135999.	ENSG0000	0.189068	2.678143	0.960998	0.34966	0.470898	-6.07467	2.949211	2.534795	2.5366	3.966538	3.796595	3.828257	2.957542	2.801791	3.162566	2.444376	2.792142	2.409144	3.074617	2.770668	2.589286	2.26534	2.770449	2.668457
LINC02328	ENSG0000	0.573287	0.075367	1.914785	0.072033	0.138271	-4.38168	1.069823	0.940485	1.256574	1.104644	1.373859	1.250575	0.782422	0.824004	1.171446	0.609835	0.986408	0.726056	0.945898	1.462417	0.862212	1.250674	1.368306	1.58715
AL121603.	ENSG0000	-0.44584	1.624605	-2.1773	0.043427	0.092873	-4.27254	2.19231	2.55562	2.37563	1.519216	1.373859	1.367251	1.459147	1.760835	1.873138	2.409929	2.285719	2.243088	2.566893	2.21055	2.449456	1.948641	2.447571	2.06284
LINC01579	ENSG0000	-0.28041	-1.67367	-1.25463	0.226132	0.336446	-5.30077	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.239286	1.335727	1.718241	1.935792	1.591687	1.992654	1.177011	1.024588	1.115245
MC1R	ENSG0000	0.484517	1.836343	2.42025	0.026657	0.063164	-3.7354	2.345296	1.631689	1.667608	3.162124	3.378481	3.306732	2.340763	2.676938	2.560038	1.732907	1.752042	1.67541	2.270712	2.269709	2.161508	1.784732	1.82352	1.665483
CEP95	ENSG0000	0.070367	5.109132	1.074091	0.297387	0.416325	-6.66796	4.749336	4.747329	4.857612	4.784753	4.558804	4.803913	4.864381	4.949799	4.983968	5.395984	5.508563	5.356567	5.637019	5.625928	5.581843	5.336314	5.509197	5.502565
AL133467.	ENSG0000	-0.02528	-0.7026	-0.25402	0.802443	0.863363	-6.52322	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.134522	3.1855	3.043904	3.039964	2.888589	2.930541	2.855159	3.046116	3.279535
AL390334.	ENSG0000	0.352816	-0.9422	1.306986	0.208153	0.314826	-5.37087	0.106501	0.215206	0.106501	0.106501	0.25478	0.2349	0.415731	0.387194	0.106501	1.787595	1.8028	1.800268	1.818016	2.039797	1.749324	1.809319	1.878239	1.775544
TUBB3	ENSG0000	-0.22182	0.23179	-0.68196	0.504201	0.62015	-5.76885	1.069823	1.118985	1.088647	2.291228	2.193078	2.029614	0.983587	0.824004	0.925731	0.7264	1.07167	1.027938	1.420179	1.120667	0.862212	0.738851	0.69947	1.370407
AL049870.	ENSG0000	0.291963	-0.89554	3.128436	0.005964	0.019404	-2.48048	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.664903	2.727926	2.660429	2.479079	2.700737	2.513282	3.032701	2.841019	2.81313
TMEM179	ENSG0000	-0.7463	-1.20766	-2.46327	0.024409	0.058895	-3.37383	3.509372	3.142112	3.511328	2.255624	2.762786	2.697781	2.26554	3.002451	2.440135	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC02302	ENSG0000	0.602998	-1.94262	4.004692	0.000874	0.004191	-0.48417	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.116489	1.152172	1.027938	1.218025	1.2438	1.002253	1.542275	1.581179	1.222783
AC005520.	ENSG0000	-0.111	1.393348	-0.69554	0.495863	0.613018	-6.09368	1.791852	1.978677	1.667608	1.326771	1.864131	1.623325	1.70672	1.367163	1.777424	2.033684	1.777644	2.104662	2.270712	2.250257	2.449456	1.992244	1.90484	2.003758
AC004816.	ENSG0000	-0.2053	2.363933	-2.01128	0.059978	0.119813	-5.30385	0.947665	1.002471	1.146821	0.52061	0.512209	0.2349	0.269385	0.253663	0.39151	6.246895	6.171129	6.361328	5.897506	5.764345	5.840085	6.135629	6.10586	6.152853
NA	ENSG0000	0.272899	0.933153	2.392345	0.028218	0.065972	-4.09952	0.318509	0.661886	0.598525	0.395333	0.512209	0.657796	0.415731	0.509405	0.256032	3.303547	3.278101	3.419749	3.526548	3.560336	3.533199	3.623987	3.779553	3.530388
INAFM2	ENSG0000	0.142776	3.024155	0.897938	0.381422	0.503258	-6.33511	3.100204	3.494617	3.334887	3.181227	3.225109	3.335661	3.072345	3.043491	2.915195	3.196464	3.250939	3.262236	2.661114	2.824271	2.795875	3.743628	3.705831	3.466183
AC027237.	ENSG0000	-0.54811	0.712102	-2.45424	0.024866	0.059754	-3.56054	1.384302	1.173893	1.358564	1.688986	1.006428	1.919272	0.670238	0.726566	0.735084	1.646779	1.588084	1.387696	2.193986	2.48471	2.330481	1.354562	1.406038	1.461048
UBE2Q2P2	ENSG0000	0.467819	0.459205	2.723827	0.014186	0.038362	-3.07984	0.947665	0.940485	1.202741	0.841981	0.730585	0.909432	1.240874	1.15884	1.01237	1.199504	1.335727	1.538714	1.776519	1.528499	1.749324	1.65509	1.67689	1.942153
THTPA	ENSG0000	0.186379	2.506984	1.854822	0.080571	0.151408	-5.02034	2.19231	1.631689	1.954926	2.633943	2.737798	2.374422	2.186178	2.220554	2.047395	3.123934	3.034402	3.187996	3.635009	3.512154	3.693316	3.123735	3.277464	3.352387
ADNP-AS1	ENSG0000	0.192284	-0.03395	1.14069	0.269389	0.386084	-5.46686	0.882475	0.499412	0.756332	0.635873	0.730585	0.746642	0.983587	0.726566	0.925731	1.388276	1.300837	1.277453	1.218025	1.282615	1.320349	1.354562	1.16325	1.546329
SORD2P	ENSG0000	-0.05572	0.795842	-0.26956	0.790657	0.854231	-6.1135	1.894617	2.009193	1.358564	1.182548	1.909591	1.669505	1.762502	1.605065	1.727075	1.352446	1.152172	1.413989	1.27873	1.16289	1.456457	1.482378	1.072305	1.273688
MRPL46	ENSG0000	-0.18383	2.466748	-1.81088	0.087383	0.160717	-5.06591	2.90065	2.576149	2.99819	2.143217	2.429905	2.317553	2.545421	2.728183	2.869505	2.906434	3.126946	3.018425	2.602951	2.743101	2.513282	2.794876	2.711397	3.006111
AC015712.	ENSG0000	-0.45892	-0.49346	-2.20325	0.041256	0.089178	-4.04978	0.587539	0.499412	0.323815	0.258133	0.25478	0.2349	0.415731	0.106501	0.256032	1.98771	1.827525	2.038602	1.644349	1.738515	1.851631	1.734264	1.67689	1.877799
AC125257.	ENSG0000	0.113329	3.483986	1.123802	0.276296	0.393686	-6.20831	3.603403	3.7953	3.511328	3.714523	3.722109	3.584921	3.965091	3.967564	3.721038	3.681119	3.612795	3.669344	3.422776	3.141796	2.99902	3.623987	3.620134	3.68882
ST20-AS1	ENSG0000	-0.15943	2.016554	-1.12118	0.27738	0.394717	-6.01172	1.755904	1.708084	1.667608	1.519216	1.612488	1.623325	1.459147	1.301009	1.171446	3.265521	2.935512	3.579277	3.165832	3.568213	3.525482	3.298901	3.356678	3.006111
IQCH-AS1	ENSG0000	-0.47708	1.957952	-3.20758	0.005023	0.01694	-2.29355	2.707144	2.425906	2.514675	2.103714	2.03796	2.164723	2.058296	2.481727	2.165532	2.409929	2.453955	2.328504	2.638129	2.50126	2.559363	2.075685	1.930959	1.910335
AC023906.	ENSG0000	-0.00886	-0.49085	-0.02429	0.9809	0.987486	-5.92151	3.300651	3.450822	3.24453	3.727576	3.441741	3.744443	3.405851	3.578282	3.498982	0.190076	0.259702	0.230035	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC004943.	ENSG0000	0.181864	2.116115	2.002695	0.060972	0.121344	-4.76484	1.755904	1.849715	1.853768	1.840866	1.612488	2.029614	1.867984	1.85606	1.962896	3.123934	3.175905	3.141546	2.760241	2.714997	2.716753	3.341669	3.37582	3.241681
HMGB1P6	ENSG0000	0.193954	2.721006	1.675376	0.111657	0.19468	-5.32046	2.850396	2.886707	2.700947	2.791417	2.904251	2.865864	3.050103	3.102941	3.162566	3.102524	3.002186	3.218152	2.706013	2.565626	2.330481	3.063688	3.307681	3.215882
AC012640.	ENSG0000	-0.26521	1.075816	-1.30333	0.209372	0.316368	-5.48666	1.826927	1.118985	1.358564	1.104644	1.556428	1.188496	1.074544	0.824004	1.564539	1.891119	2.372288	2.038602	2.079215	2.190279	2.399663	2.211015	1.981819	1.665483
SLC22A31	ENSG0000	0.13627	1.921106	1.585099	0.13087	0.22012	-5.73168	0.814199	0.736739	0.598525	0.742604	0.730585	0.563119	0.548589	0.824004	0.629397	4.327889	4.415514	4.405499	5.182581	5.14703	5.168932	4.598895	4.656838	4.292899
AC083843.	ENSG0000	-0.41484	0.090043	-1.56492	0.135528	0.226245	-4.95092	0.667115	0.875715	0.421314	0.934951	0.730585	1.250575	0.782422	1.001115	0.629397	1.457372	2.011405	1.60868	1.365252	1.393161	1.580823	1.177011	1.118494	1.170016
AL390728.	ENSG0000	-0.60859	1.335856	-3.7816	0.001428	0.006208	-1.01296	2.526909	2.206444	2.661582	1.791994	1.768674	1.840725	1.816207	2.357042	1.826075	1.964162	1.967585	1.951531	1.218025	1.462417	1.456457	1.708352	1.67689	1.170016
AC009113.	ENSG0000	-0.41524	1.432489	-3.65765	0.001875	0.007695	-1.44417	1.010037	1.327092	0.898566	0.841981	1.2379	1.123626	0.983587	0.622068	0.925731	3.036317	3.232543	3.172678	3.469097	3.357127	3.462206	2.731965	2.95995	2.706008
AC107375.	ENSG0000	-0.79145	0.355742	-4.37463	0.000389	0.002205	0.211649	0.667115	0.661886	0.598525	0.635873	0.625525	0.563119	0.269385	0.824004	0.833554	2.47802	2.500824	2.272125	2.28558	2.21055	2.276326	1.599785	1.851139	1.58715
AC009065.	ENSG0000	0.476069	-0.2962	2.06428	0.054159	0.110451	-4.51261	0.216396	0.582935	0.323815	0.258133	0.106501	0.106501	0.269385	0.106501	0.39151	2.033684	2.701418	2.53427	2.439743	2.169719	2.058312	2.979529	2.99751	2.880366
AL050341.	ENSG0000	-0.37359	2.286435	-2.97691	0.008273	0.02499	-3.03801	1.475543	1.947501	1.54317	1.578054	1.437317	1.310092	1.525136	1.430416	2.047395	3.882973	3.830249	3.707046	3.942308	4.045377	3.843644	3.200096	3.385297	3.641153
RBM15B	ENSG0000	0.028819	6.923662	0.900014	0.380346	0.502343	-7.07694	6.634125	6.587988	6.650893	6.672679	6.683917	6.656599	6.638736	6.553309	6.594935	7.164853	7.183841	7.198637	7.319078	7.280056	7.270951	7.306108	7.265929	7.188239
AC107068.	ENSG0000	-0.13634	1.851369	-0.93018	0.36495	0.486794	-6.0249	2.137484	2.448351	2.351095	2.063099	1.718467	1.993763	1.762502	1.85606	1.826075	2.204194	2.372288	2.510098	2.225168	2.398985	2.689384	2.524879	2.48331	2.442395
AC009120.	ENSG0000	-0.03834	1.001397	-0.17221	0.865251	0.90957	-6.23441	1.519087	1.173893	1.256574	1.519216	1.087782	1.367251	1.816207	1.710758	1.777424	2.01088	1.827525	1.696985	1.916818	1.766169	2.121111	1.320757	1.478665	1.739782
AC093010.	ENSG0000	0.531978	1.282497	2.380927	0.028881	0.067181	-3.734	1.12723	1.551021	1.62731	2.48816	2.193078	2.784269	1.459147	2.147141	2.239236	1.199504	1.725977	1.387696	1.838325	2.10622	2.014873	1.512637	1.67689	1.703111
AC017100.	ENSG0000	1.163508	0.838919	2.516748	0.021863	0.053944	-3.37452	1.475543	1.631689	1.818408	3.887325	3.410458	3.608819	2.832807	2.801791	2.748518	0.54782	1.029669	0.76743	1.018891	0.345231	0.593579	0.930351	0.924142	0.734116
AL133338.	ENSG0000	-0.46342	0.455794	-3.17712	0.005367	0.01785	-2.27207	0.667115	0.875715	0.756332	0.635873	0.828511	0.563119	0.415731	0.824004	0.515351	2.282443	2.546219	2.409144	2.096181	1.871771	1.970087	2.211015	2.124453	1.81044
TGFBR3L	ENSG0000	-0.76535	-0.6947	-2.05647	0.054984	0.111747	-4.0435	2.725848	2.966631	3.104764	2.359902	2.605925	2.532704	2.696258	1.945386	2.127218	0.269074	0.185134	0.288049	0.106501	0.106501	0.186984	0.257084	0.19538	0.106501
AC040169.	ENSG0000	-0.85625	-0.28996	-4.01316	0.000858	0.00413	-0.48359	0.41387	0.736739	0.323815	0.395333	0.730585	0.563119	0.415731	0.253663	0.256032	1.704765	1.922393	2.213454	1.644349	1.560439	1.826726	1.354562	1.406038	1.322858
CRIM1-DT	ENSG0000	0.564256	0.143585	1.542542	0.140853	0.232789	-4.80965	1.602421	1.883052	1.987129	2.864145	2.787348	2.741673	2.545421	2.357042	2.376228	0.269074	0.398185	0.230035	0.907968	1.282615	0.910419	0.326864	0.2791	0.214669
HOXB7	ENSG0000	-0.4242	-0.4526	-2.09321	0.051204	0.105681	-4.03664	4.428132	4.501192	4.412214	3.933121	4.327153	4.249025	4.000319	4.080322	3.879258	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
NORAD	ENSG0000	-0.16003	8.733148	-4.61483	0.000231	0.001451	-0.29166	8.766794	8.771544	8.729762	8.58661	8.464108	8.560987	8.594228	8.711706	8.650669	8.96427	9.025972	8.901716	8.722002	8.752794	8.796257	8.76842	8.729078	8.763025
AC104794.	ENSG0000	0.167326	0.309023	0.632704	0.535118	0.647661	-5.87612	0.882475	1.061904	0.512639	1.519216	1.666451	1.250575	0.886508	1.001115	1.171446	1.315703	1.498542	0.993481	1.308151	1.652223	1.488568	0.930351	1.406038	1.322858
MIR762HG	ENSG0000	0.221699	0.979376	1.081394	0.294217	0.41282	-5.71106	0.882475	1.118985	0.898566	1.256461	1.2379	1.250575	1.762502	1.605065	1.727075	2.14259	1.851833	2.088428	1.897591	2.039797	1.947161	1.65509	1.981819	1.81044
NA	ENSG0000	-0.58408	1.611483	-3.51831	0.002547	0.009843	-1.57914	2.483604	2.655462	2.720234	2.181668	2.078331	1.880533	2.186178	2.108984	1.727075	1.91588	2.115463	1.780195	1.935792	2.148862	1.923865	1.542275	1.737342	1.665483
AC012174.	ENSG0000	0.165817	-1.54307	0.903649	0.378468	0.50056	-5.72743	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.423238	1.369793	1.49011	1.858352	1.897007	1.695314	1.419885	1.766644	1.546329
CARMAL	ENSG0000	0.132495	-0.09789	0.520566	0.609201	0.711275	-5.7879	1.286899	1.670392	1.499186	1.634586	1.718467	1.993763	1.240874	1.231675	1.727075	0.54782	0.330605	0.54756	0.701742	0.784432	0.707101	0.517985	0.871168	0.497646
AC008915.	ENSG0000	0.286072	2.532275	1.841654	0.082561	0.154017	-4.9004	3.100204	3.085957	3.090013	3.54791	3.410458	3.247073	3.788265	3.646467	3.572114	2.37464	2.212518	2.286428	2.529911	2.10622	2.014873	2.229352	2.101639	1.973284
AC124798.	ENSG0000	0.244678	0.973268	1.043357	0.311	0.43065	-5.59896	1.791852	1.978677	2.326135	2.181668	2.264801	2.317553	2.779728	2.220554	2.408535	1.073118	1.300837	1.027938	1.121891	1.120667	0.910419	1.017342	0.69947	1.370407
CD2BP2-D	ENSG0000	0.095466	1.882916	0.639514	0.530782	0.643672	-6.28749	1.755904	1.374745	1.78216	1.74141	1.612488	2.164723	1.867984	1.710758	2.047395	2.736149	2.469748	2.422156	3.066031	3.233802	3.21594	2.432936	2.447571	2.742606
KDM7A-DT	ENSG0000	0.593935	0.843592	3.832785	0.001276	0.005693	-0.87853	0.742531	1.002471	0.964748	1.326771	1.498102	1.669505	1.074544	1.082132	1.171446	1.52331	1.588084	1.360915	2.145912	2.671787	2.23906	1.833493	1.981819	1.973284
AC104083.	ENSG0000	0.086735	-0.80944	0.366109	0.718677	0.80051	-6.16164	0.318509	0.106501	0.106501	0.258133	0.389229	0.2349	0.106501	0.106501	0.106501	1.814181	2.212518	1.951531	2.412911	2.288901	2.34809	2.283004	1.956613	2.14716
AL035071.	ENSG0000	-0.24993	0.001416	-1.38317	0.184028	0.28593	-5.06569	1.475543	1.374745	1.358564	1.578054	1.498102	1.669505	1.240874	1.549165	1.445026	0.934589	0.799097	0.683459	0.828978	0.784432	0.651457	0.63264	0.572487	0.497646
SNHG19	ENSG0000	-0.56776	3.575211	-6.40144	5.76E-06	8.34E-05	4.087051	4.302931	4.377991	4.526184	3.791129	3.923901	3.744443	3.965091	3.956862	4.122646	3.64455	3.66174	3.722908	3.395624	3.223865	3.19663	3.001034	2.972579	3.107809
AC124944.	ENSG0000	-0.08939	0.141164	-0.38615	0.704046	0.788923	-5.99912	0.814199	1.118985	1.028027	1.022291	1.087782	0.830331	0.782422	1.231675	1.0941	0.982259	1.672391	1.094478	1.27873	1.393161	1.17005	0.884806	1.118494	1.370407
LINC02562	ENSG0000	-0.07928	1.583203	-0.50179	0.622075	0.722398	-6.31033	2.021155	1.780637	1.499186	1.74141	1.909591	1.526279	1.816207	1.15884	1.445026	2.444376	2.632935	2.382761	2.25569	2.307842	2.07955	2.692858	2.48331	2.442395
PPIAP46	ENSG0000	-0.34237	-0.66464	-1.16408	0.260035	0.375475	-5.29861	4.553837	4.619648	4.520694	2.661411	2.686486	2.784269	4.225415	4.147745	4.216877	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC026471.	ENSG0000	0.084594	2.146394	0.620353	0.54303	0.654569	-6.22648	2.505419	2.802095	2.700947	2.714828	2.881616	2.719893	2.576877	2.825515	2.723053	1.840286	1.945166	2.136592	2.67247	2.533802	2.497588	2.154563	2.101639	1.942153
AC068338.	ENSG0000	0.073182	1.320933	0.619839	0.543361	0.6548	-6.27677	1.286899	1.118985	1.202741	1.022291	1.164793	1.250575	1.074544	1.301009	0.833554	2.427256	2.561038	2.714318	2.802201	2.824271	2.647333	2.831347	2.755911	2.507643
AC022167.	ENSG0000	-0.92273	1.316023	-5.76943	2.03E-05	0.00022	2.98742	1.719036	1.465573	1.818408	1.457877	1.164793	1.123626	0.670238	1.001115	0.833554	2.749986	2.817048	2.53427	2.930712	2.824271	2.883013	2.229352	2.101639	1.910335
AL133367.	ENSG0000	-0.72822	-0.83044	-2.62283	0.017538	0.045333	-3.21287	0.587539	0.215206	0.219246	0.395333	0.389229	0.106501	0.269385	0.253663	0.256032	1.732907	1.777644	1.653508	1.644349	1.738515	1.51998	1.099384	1.072305	1.273688
LINC01882	ENSG0000	0.135144	-0.89465	1.229531	0.235168	0.3468	-5.73245	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.777267	2.829342	2.920951	2.579013	2.381211	2.220059	2.935534	2.868308	2.960231
AC104024.	ENSG0000	-0.29623	0.292876	-1.04791	0.308955	0.428602	-6.05544	0.947665	1.173893	0.964748	0.106501	0.106501	0.2349	0.106501	0.106501	0.39151	3.255856	3.15652	3.400153	2.661114	2.627242	2.76998	3.245848	3.413359	3.228839
AP002761.	ENSG0000	0.445684	1.621249	3.032928	0.007333	0.022675	-3.08101	0.41387	0.215206	0.512639	1.022291	0.625525	1.123626	0.269385	0.509405	0.256032	4.678347	4.55159	4.621149	4.555854	4.488812	4.562043	5.059757	5.060349	5.091828
AC110079.	ENSG0000	-0.45855	3.317407	-6.57378	4.12E-06	6.46E-05	4.355226	2.744313	2.784561	3.075109	2.661411	2.57804	2.825643	2.513265	2.511284	2.34318	4.641707	4.529155	4.453822	4.36607	4.154036	4.232958	4.067877	4.211138	4.037057
AC099518.	ENSG0000	-0.53258	0.164471	-2.13076	0.047586	0.099716	-4.21268	1.336422	1.226787	1.256574	0.395333	0.389229	0.2349	0.670238	0.509405	0.629397	2.01088	1.945166	1.820066	1.755315	1.16289	1.826726	1.759719	1.795362	1.703111
ATP2A1-AS	ENSG0000	0.212785	0.846808	1.096991	0.28753	0.405595	-5.63679	1.286899	1.780637	1.706811	1.457877	1.307481	1.475193	1.588238	1.491012	1.727075	1.676063	1.529011	1.73919	1.218025	0.888753	0.910419	1.880661	1.981819	1.775544
AL133355.	ENSG0000	-0.58305	0.157083	-2.16636	0.044374	0.094445	-3.96051	1.894617	1.277811	1.78216	1.256461	1.437317	1.422231	1.588238	1.231675	0.925731	1.073118	1.112482	0.76743	0.907968	0.671977	0.957066	0.517985	0.759002	1.115245
FAM157C	ENSG0000	-0.46512	-0.79028	-1.64294	0.118262	0.203677	-4.89898	0.587539	0.215206	0.323815	0.106501	0.106501	0.461789	0.269385	0.253663	0.256032	1.787595	1.827525	1.60868	1.644349	1.652223	1.851631	1.354562	1.16325	1.739782
COSMOC	ENSG0000	0.473208	1.179491	1.243029	0.230274	0.34108	-5.42012	2.416107	2.152784	2.274882	2.143217	1.498102	1.993763	2.858632	2.871824	2.937508	0.934589	1.029669	0.921995	1.797417	1.710321	1.851631	0.884806	1.16325	0.999041
AC132872.	ENSG0000	-0.35239	1.783768	-1.65269	0.116244	0.201027	-5.19299	1.561356	1.883052	1.888281	1.634586	1.2379	1.310092	1.762502	1.710758	2.274723	2.722179	2.674414	2.735323	3.057395	3.253475	3.157218	2.26534	2.410923	2.06284
ERVK13-1	ENSG0000	0.211023	2.914964	1.634593	0.120016	0.206	-5.44753	2.320899	2.37994	2.326135	2.577385	2.948483	2.961768	2.884002	2.981485	3.064594	3.284659	3.584062	3.305013	3.855296	3.622174	3.747398	3.181381	3.337278	3.641153
AC126773.	ENSG0000	0.09079	-1.6327	0.534669	0.599615	0.702675	-5.9804	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.490718	1.403073	1.696985	1.838325	1.897007	1.610309	1.482378	1.82352	1.222783
AL590004.	ENSG0000	-1.76746	-0.73784	-4.4079	0.000362	0.002081	0.299125	0.587539	0.661886	0.421314	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.14259	2.174476	2.435052	3.181815	3.04352	3.272365	1.058946	1.118494	1.115245
RPL23AP9	ENSG0000	0.125808	-0.51844	0.285512	0.778608	0.84506	-5.79701	1.990546	2.356396	1.853768	1.634586	1.864131	2.481849	2.058296	2.069791	2.165532	0.415169	0.106501	0.288049	0.234608	0.416769	0.470356	0.183756	0.2791	0.315289
SNAI3-AS1	ENSG0000	-0.57182	0.404572	-3.40856	0.003239	0.011893	-1.68894	1.286899	1.631689	1.146821	1.256461	1.2379	1.422231	1.074544	0.915275	1.01237	1.52331	1.467416	1.305813	1.473091	1.120667	1.209118	1.214313	0.975239	1.170016
AL118516.	ENSG0000	-0.51006	1.14805	-2.89081	0.00995	0.02898	-2.81081	1.861169	1.947501	2.079636	1.393812	1.953662	1.367251	1.762502	1.945386	1.962896	2.204194	1.945166	2.088428	1.218025	1.203912	1.580823	1.571317	1.513652	1.322858
NA	ENSG0000	0.473103	2.380834	2.940567	0.008944	0.02658	-2.93551	1.430644	1.327092	2.018628	2.740812	2.71237	2.904994	2.26554	2.540248	2.697131	2.868884	2.632935	2.766268	3.53901	3.495729	3.586098	2.831347	2.908298	2.84714
LINC01963	ENSG0000	0.077319	2.765109	0.64056	0.530118	0.643153	-6.29137	3.498536	3.928996	3.618004	4.218476	4.149079	4.241401	3.719464	3.978187	3.721038	2.18395	2.135404	1.839597	2.439743	2.363215	2.257813	2.055273	1.851139	2.091498
AC092803.	ENSG0000	-0.2144	-0.22205	-1.0621	0.302646	0.421863	-5.58963	0.742531	0.499412	0.679585	0.395333	0.512209	0.3528	0.548589	0.387194	0.39151	1.239286	1.588084	1.759838	1.838325	1.738515	1.610309	1.419885	1.368306	1.703111
NA	ENSG0000	0.212918	3.643274	1.342681	0.196554	0.300941	-5.98721	2.965042	2.853456	3.133821	3.988393	4.091068	4.154771	3.602068	3.659726	3.771595	3.889238	4.186209	3.891447	3.913883	4.045377	3.951255	3.900611	3.842828	3.889829
FBXL19-AS	ENSG0000	0.073654	1.502134	0.326164	0.748173	0.823384	-6.29117	1.755904	1.780637	1.202741	2.325974	1.817192	2.098749	1.867984	2.220554	2.127218	2.320032	2.135404	2.30059	1.621093	1.897007	1.900186	1.903678	1.851139	2.200755
AL591848.	ENSG0000	0.589947	0.636559	1.608895	0.125552	0.213266	-4.7799	2.392887	2.61635	2.739267	3.661095	3.426184	4.062605	3.490873	3.26787	3.357206	0.415169	0.462741	0.594297	0.610222	0.612281	0.404558	0.183756	0.2791	0.497646
ARLNC1	ENSG0000	0.141514	0.499606	1.091988	0.289663	0.407974	-6.25483	0.106501	0.215206	0.219246	0.106501	0.25478	0.3528	0.106501	0.106501	0.39151	4.087524	4.14254	4.132188	4.431031	4.509412	4.543056	4.361843	4.07722	4.311289
AL158206.	ENSG0000	-0.46565	1.120965	-2.54445	0.020645	0.051587	-3.48088	1.861169	1.978677	1.706811	1.457877	1.2379	1.799787	1.389995	1.367163	1.674905	2.263275	1.875739	1.858866	1.644349	1.871771	1.456457	2.095813	1.478665	1.461048
CCPG1	ENSG0000	0.370865	4.430203	4.248611	0.000512	0.002755	-0.47086	5.20423	5.288212	5.152017	5.619441	5.568621	5.697212	5.750487	5.656635	5.754509	3.312899	3.398501	3.353367	3.675081	3.752319	3.805912	3.31616	3.422593	3.571657
AL158212.	ENSG0000	-0.27424	2.349711	-1.73804	0.099789	0.178442	-4.96365	3.792713	3.920993	3.576275	3.533117	3.457132	3.818042	3.602068	3.491964	3.628063	1.704765	1.899254	1.653508	2.009285	2.016959	1.876113	1.571317	1.2488	1.626848
AL031985.	ENSG0000	0.269516	2.459189	1.874375	0.077693	0.147016	-4.87886	3.183753	3.286138	3.309643	2.548252	2.835252	2.741673	3.258446	3.250449	3.306673	2.204194	2.115463	2.038602	2.357702	2.451029	2.399663	2.464239	2.535313	2.687355
CAPN10-D	ENSG0000	-0.64457	0.221591	-2.49057	0.023076	0.056399	-3.45719	0.882475	1.061904	1.146821	1.182548	1.006428	1.055701	0.983587	0.726566	0.256032	1.555182	1.777644	1.333627	1.776519	1.462417	1.390007	1.354562	1.368306	1.115245
AP001486.	ENSG0000	0.580481	-0.26318	1.77905	0.092628	0.168214	-4.45083	1.642349	1.551021	1.62731	2.48816	1.909591	2.675323	2.340763	1.945386	2.440135	0.269074	0.398185	0.34382	0.46104	0.484926	0.335616	0.257084	0.19538	0.497646
WFDC21P	ENSG0000	-1.13788	-0.2108	-1.99455	0.061928	0.122847	-4.15154	1.336422	1.81559	1.667608	0.841981	1.612488	1.840725	0.670238	1.491012	1.0941	0.609835	0.524532	0.76743	1.054048	1.320413	1.456457	0.326864	0.816175	0.106501
AC092718.	ENSG0000	0.100446	2.029927	0.524433	0.606566	0.708838	-6.40022	2.416107	2.596389	2.423483	1.888135	2.078331	2.317553	2.779728	2.650616	2.697131	2.906434	2.829342	2.756026	1.218025	1.766169	1.247156	2.625227	2.711397	3.079476
AL512274.	ENSG0000	-0.13001	-1.00845	-0.76476	0.454617	0.575157	-6.00729	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	2.427256	2.095243	2.088428	2.930712	2.901116	3.147195	1.926335	1.930959	2.14716
AC124312.	ENSG0000	-0.13943	0.584687	-0.64002	0.53046	0.643391	-5.9412	1.12723	1.061904	1.088647	1.393812	1.666451	1.526279	0.782422	1.301009	1.0941	1.555182	1.672391	1.49011	1.597456	1.16289	1.51998	1.214313	1.478665	1.703111
AL441883.	ENSG0000	-0.88224	0.329434	-3.91842	0.001057	0.004889	-0.72094	0.882475	1.061904	0.512639	0.635873	0.828511	0.3528	0.269385	0.726566	0.515351	2.37464	2.372288	2.152295	2.28558	2.326537	2.513282	1.708352	1.878239	1.322858
AC007066.	ENSG0000	-0.79084	0.230676	-3.72085	0.001632	0.006885	-1.08607	0.742531	0.8079	0.964748	0.934951	0.512209	0.830331	0.670238	0.915275	0.39151	1.940223	1.922393	1.839597	1.797417	2.039797	1.851631	1.177011	1.707432	1.058313
AC093904.	ENSG0000	0.355459	-0.16966	5.515609	3.43E-05	0.000331	2.323148	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.709722	3.817963	3.613714	4.268416	4.230476	4.385705	4.031767	4.017531	4.037057
TMEM178	ENSG0000	0.373411	0.450565	1.122512	0.276829	0.394248	-5.34581	3.454357	3.196163	3.28395	4.982834	4.911451	5.019826	3.841036	3.736817	3.437684	0.190076	0.259702	0.16959	0.5125	0.190544	0.263213	0.326864	0.2791	0.106501
EPPK1	ENSG0000	0.147303	1.639316	0.808745	0.429534	0.550997	-6.76745	0.587539	0.582935	1.146821	0.52061	0.25478	0.106501	0.548589	0.106501	0.256032	4.960093	5.510473	4.892917	5.511428	5.401859	5.422676	5.348947	5.456227	5.1812
AC107027.	ENSG0000	0.884493	1.032829	5.349145	4.84E-05	0.000431	2.146005	2.021155	2.068355	1.888281	2.359902	2.633282	2.652511	2.637802	2.702788	2.82232	0.669294	0.695454	0.807652	1.392977	1.428204	1.129895	1.099384	1.024588	1.115245
SPINT1-AS	ENSG0000	-0.13372	0.80097	-0.83317	0.415992	0.537998	-6.39428	0.503316	0.499412	0.598525	0.258133	0.25478	0.461789	0.106501	0.253663	0.106501	3.812196	3.811781	3.896118	4.414217	4.455227	4.237689	3.793775	4.041704	3.753014
Z95115.1	ENSG0000	-0.18863	2.303911	-0.99806	0.33187	0.452025	-6.30051	1.791852	1.173893	1.667608	1.022291	1.006428	1.422231	2.102195	1.988058	1.873138	3.825326	3.695711	3.674791	4.352013	4.307781	4.27499	3.307556	3.485627	3.498643
AL031058.	ENSG0000	0.13557	-1.06334	0.410746	0.686251	0.775551	-6.06054	0.503316	0.106501	0.219246	0.106501	0.25478	0.106501	0.269385	0.106501	0.39151	1.315703	1.498542	1.514616	1.667235	2.10622	1.826726	1.482378	1.547811	1.504318
AL031123.	ENSG0000	0.168123	-0.72035	0.660935	0.517272	0.632133	-5.95786	0.216396	0.316291	0.219246	0.258133	0.106501	0.461789	0.415731	0.253663	0.106501	1.704765	1.55885	1.538714	2.145912	2.039797	2.036756	1.926335	1.547811	1.739782
ZNF865	ENSG0000	0.022663	4.464089	0.236585	0.815729	0.873697	-7.12734	3.672523	3.896716	4.065319	3.988393	4.167908	3.643939	3.761137	3.798055	3.856018	4.880563	5.092794	5.294235	5.375589	5.410647	5.348066	5.382106	5.138081	4.906683
BOP1	ENSG0000	-0.18355	7.126724	-2.72655	0.014105	0.0382	-4.2603	6.75287	6.783823	6.91009	6.390287	6.690443	6.483221	6.524402	6.407668	6.500674	7.69034	7.714981	7.946644	7.625155	7.468072	7.466519	7.843471	7.70249	7.585161
ATP2C2-AS	ENSG0000	0.485133	-0.78787	1.728142	0.101588	0.180978	-4.69658	0.318509	0.106501	0.512639	0.258133	0.25478	0.461789	0.269385	0.387194	0.39151	1.116489	1.265082	1.277453	1.573426	1.681564	1.667532	1.734264	1.368306	1.222783
NA	ENSG0000	-0.11707	0.878549	-0.59765	0.55774	0.668003	-6.06311	1.561356	1.780637	1.146821	1.634586	1.164793	1.055701	1.459147	1.001115	1.244857	1.91588	1.467416	1.820066	1.621093	1.652223	1.826726	1.571317	1.878239	1.910335
AC010168.	ENSG0000	0.017362	-1.09006	0.058184	0.954262	0.970479	-6.08295	0.216396	0.215206	0.106501	0.106501	0.25478	0.3528	0.269385	0.253663	0.106501	1.158593	1.672391	1.277453	1.973006	2.10622	2.330481	1.177011	1.16325	1.504318
AC116913.	ENSG0000	0.251424	0.11702	0.748159	0.464313	0.584103	-5.76531	0.742531	1.002471	0.512639	1.519216	1.006428	1.188496	1.762502	0.622068	1.50602	1.199504	1.07167	1.188864	1.248697	1.462417	1.17005	0.974502	1.2488	0.734116
VPS9D1-AS	ENSG0000	0.101015	4.837379	1.183144	0.252596	0.36704	-6.53558	4.199669	3.976101	4.242513	4.316764	4.120365	4.499659	4.045989	4.212157	4.270596	5.640283	5.608245	5.728007	5.352829	5.246098	5.314871	5.697389	5.804117	5.830433
AC108860.	ENSG0000	0.295465	-1.34974	2.647526	0.016654	0.043532	-3.26137	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.704765	1.875739	1.933468	2.079215	2.039797	2.257813	1.926335	2.146913	2.003758
LINC01003	ENSG0000	0.069411	0.796489	0.356499	0.725734	0.805599	-6.23245	0.503316	1.002471	0.756332	0.841981	1.2379	1.422231	0.548589	1.001115	1.171446	2.18395	1.989662	2.104662	2.357702	2.48471	2.528806	1.85727	2.315011	2.033602
AC092368.	ENSG0000	0.250754	1.576237	1.672196	0.112291	0.195568	-5.05357	1.384302	1.374745	1.62731	2.21912	1.909591	2.258349	1.525136	1.549165	1.620777	2.320032	2.053933	2.243088	2.439743	2.433888	2.23906	2.524879	2.37332	2.350536
AC012615.	ENSG0000	-0.42398	0.370901	-1.96865	0.065061	0.127675	-4.39248	1.12723	0.661886	0.898566	1.104644	0.625525	1.250575	0.548589	1.231675	0.735084	1.616888	1.8028	1.631268	1.973006	1.897007	1.851631	1.250674	1.406038	1.322858
AL596244.	ENSG0000	-0.29892	1.620651	-2.39321	0.028168	0.0659	-3.99395	1.12723	1.061904	1.358564	1.393812	1.498102	1.310092	1.459147	1.001115	0.925731	2.894025	3.250939	3.203153	3.181815	3.141796	3.225499	2.625227	3.093137	2.778299
SMG1P7	ENSG0000	-0.21965	0.282352	-0.96488	0.347767	0.468968	-5.58405	1.719036	1.849715	1.818408	1.791994	1.087782	1.714252	1.816207	1.491012	1.873138	0.88529	0.89579	1.219002	0.5125	0.784432	0.533283	0.738851	0.924142	0.805046
AC097639.	ENSG0000	-0.22985	-0.26885	-1.0108	0.325903	0.445944	-5.93163	0.216396	0.106501	0.106501	0.395333	0.389229	0.2349	0.106501	0.106501	0.256032	2.881509	3.055486	3.157196	2.88263	2.850343	2.99902	2.855159	2.95995	2.397196
AP003119.	ENSG0000	1.118072	4.675348	6.39364	5.85E-06	8.44E-05	3.945516	5.682365	5.634949	5.651273	5.236746	5.128856	5.338414	7.212248	7.053973	7.127389	3.751589	3.866492	3.513924	2.921223	2.985883	2.730245	3.912008	3.85652	4.122853
GAN	ENSG0000	-0.3722	4.277609	-8.02191	2.90E-07	8.01E-06	6.925743	4.232739	4.318312	4.153091	3.647423	3.630051	3.608819	3.928981	3.84524	3.808383	5.066207	5.184173	5.049965	4.589193	4.604394	4.512148	4.796302	4.718118	4.735671
NA	ENSG0000	0.296371	0.111195	1.213491	0.241087	0.353563	-5.28873	1.475543	1.591918	1.146821	1.688986	1.373859	1.188496	1.867984	1.710758	1.962896	0.7264	0.748206	0.76743	0.907968	0.612281	0.910419	0.576451	0.759002	0.659518
C15orf65	ENSG0000	0.146046	1.427314	0.985922	0.337624	0.458634	-5.81837	1.602421	1.631689	1.54317	2.291228	2.078331	2.029614	1.525136	2.069791	1.777424	1.676063	2.053933	1.969371	2.193986	1.871771	2.18129	1.970607	1.956613	1.844513
Z92544.1	ENSG0000	0.315888	1.475626	3.326707	0.003874	0.013739	-2.15774	1.235614	1.327092	1.146821	0.934951	0.828511	1.055701	1.317361	1.367163	1.38134	2.736149	2.900983	2.87437	2.661114	2.627242	2.821313	3.298901	3.127424	2.928814

H2BC20P	ENSG0000	0.584366	2.974249	3.342249	0.003745	0.013361	-2.26732	1.681202	2.009193	1.453818	3.083078	2.811499	3.292047	2.752438	3.122225	3.162566	3.376719	3.709078	3.312021	4.167687	4.317159	4.189664	3.685048	3.511821	3.788453
CLCA4-AS1	ENSG0000	-0.85493	-0.34127	-2.41931	0.026708	0.063232	-3.53365	0.814199	1.002471	0.829201	1.256461	1.006428	0.2349	0.269385	0.253663	0.735084	1.199504	1.435603	1.333627	1.154653	1.357245	1.046067	0.974502	1.024588	1.170016
AC008555.	ENSG0000	0.711197	-1.19418	2.462416	0.024452	0.058969	-3.48082	0.106501	0.106501	0.106501	0.258133	0.389229	0.2349	0.106501	0.253663	0.39151	1.352446	1.467416	1.219002	1.644349	1.766169	1.488568	1.320757	1.766644	1.461048
LINC02582	ENSG0000	0.164688	-0.84245	0.677684	0.506844	0.622702	-5.69553	2.965042	3.155816	3.104764	4.122913	4.1957	4.233737	3.296733	3.250449	3.044176	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC007406.	ENSG0000	0.727032	1.865808	4.837701	0.000143	0.001003	1.146403	1.990546	2.37994	2.166567	3.123142	2.85862	3.136338	2.480375	2.596487	2.937508	1.239286	1.699433	1.360915	2.343563	2.23054	2.07955	2.013561	1.851139	2.14716
LOXL1-AS1	ENSG0000	-0.06446	1.756967	-0.34569	0.7337	0.812099	-6.44079	2.021155	2.125186	2.300736	1.256461	1.2379	1.422231	1.70672	1.988058	2.047395	2.30136	2.546219	2.473063	2.749557	2.797719	2.618601	2.464239	2.392244	2.59029
AC007342.	ENSG0000	-0.47615	-1.35358	-2.19629	0.041828	0.090199	-4.0039	0.106501	0.215206	0.323815	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.814181	1.752042	1.800268	1.248697	1.393161	1.488568	1.542275	1.478665	1.626848
LINC00662	ENSG0000	-0.34653	3.342549	-1.70227	0.106422	0.187712	-5.39206	4.245758	4.065935	3.955676	3.123142	3.378481	2.998412	3.405851	3.302095	3.498982	3.420635	3.166245	3.232997	3.635009	3.745389	3.856005	3.236813	3.116085	3.375875
AC040162.	ENSG0000	0.161436	-4.82E-05	0.532482	0.601097	0.704122	-5.89999	0.742531	1.173893	0.598525	0.934951	1.164793	1.575618	0.670238	1.082132	1.0941	1.239286	1.403073	0.921995	0.945898	1.077171	0.707101	1.250674	1.16325	1.115245
PCDHGA9	ENSG0000	0.47373	0.026832	2.037423	0.057041	0.115075	-4.24631	0.587539	0.736739	0.421314	0.841981	0.625525	0.909432	1.317361	1.15884	0.735084	1.555182	1.369793	1.305813	1.365252	1.120667	1.08859	1.286141	1.513652	1.58715
MMP25-AS	ENSG0000	0.554578	2.254881	4.362962	0.000399	0.002251	0.122546	2.245129	2.232543	2.079636	3.06262	3.073582	3.321269	2.933443	2.825515	2.937508	2.056133	2.053933	1.877881	2.921223	3.020741	2.743612	2.211015	2.146913	2.226823
DLGAP1-AS	ENSG0000	-0.5666	1.885621	-4.51344	0.000288	0.001731	0.44126	3.183753	3.417081	3.148134	2.255624	2.03796	1.840725	2.957542	2.801791	2.82232	2.558849	2.212518	2.396013	1.27873	1.393161	1.284217	1.627702	2.030948	1.910335
AC139530.	ENSG0000	-1.04764	1.807725	-7.59203	6.19E-07	1.48E-05	6.334759	1.927307	1.508929	1.667608	1.326771	1.373859	1.422231	1.160105	1.491012	0.833554	3.512789	3.709078	3.999574	2.760241	2.925848	2.906973	2.878584	2.895091	2.570068
AC092115.	ENSG0000	0.280275	0.11196	0.981251	0.339858	0.460789	-5.59474	0.882475	1.002471	1.406977	0.742604	1.087782	0.746642	1.588238	1.301009	1.727075	1.028404	1.152172	1.061592	0.869014	1.320413	0.957066	1.419885	0.816175	0.805046
AC020978.	ENSG0000	0.49129	-0.16927	2.869024	0.010424	0.030054	-3.17523	0.318509	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.906434	3.136872	2.948194	3.789021	3.921728	3.898452	3.374993	3.579432	3.540816
LINC02861	ENSG0000	0.617707	1.823705	2.879211	0.010199	0.029539	-2.84887	1.755904	2.009193	1.78216	3.273122	2.926537	3.321269	2.724622	2.848856	2.798137	1.457372	1.752042	1.49011	2.51737	2.671787	2.276326	1.320757	1.737342	1.58715
PCDHGB3	ENSG0000	0.285239	0.387736	1.257644	0.225065	0.335104	-5.43727	0.503316	0.940485	1.088647	0.52061	0.625525	1.055701	0.782422	1.082132	1.0941	1.423238	1.725977	1.49011	1.935792	1.993753	2.014873	1.784732	1.478665	1.844513
CORO7	ENSG0000	0.296512	0.869912	1.684392	0.109878	0.192379	-4.83714	1.235614	1.420874	1.706811	1.978268	1.498102	1.757653	1.317361	1.549165	1.873138	1.278001	1.228418	1.277453	1.573426	1.738515	1.580823	1.419885	1.289746	1.775544
MIR193BH	ENSG0000	0.966426	0.390981	4.211127	0.000556	0.002935	-0.08346	0.503316	1.061904	0.679585	1.326771	0.92021	1.669505	0.983587	0.824004	0.833554	0.934589	1.190799	1.219002	1.838325	1.710321	1.851631	1.948641	1.766644	1.942153
LINC01569	ENSG0000	-0.37474	1.074632	-2.00113	0.061154	0.121651	-4.32459	2.568952	2.009193	2.399755	2.518519	2.333126	2.346268	2.186178	2.147141	2.239236	1.116489	1.152172	1.333627	1.420179	1.393161	1.247156	0.738851	1.072305	0.805046
PCDHGA4	ENSG0000	0.430839	0.662989	1.594147	0.128826	0.217452	-5.03783	0.667115	0.582935	0.512639	1.457877	1.307481	1.422231	0.782422	1.231675	0.39151	1.98771	2.285719	1.439812	2.329284	2.190279	2.10048	2.095813	2.146913	2.226823
AC087741.	ENSG0000	-0.37636	1.529873	-2.1959	0.041861	0.090228	-4.1269	1.894617	1.81559	1.921989	2.103714	2.333126	2.763128	1.762502	1.605065	1.50602	1.865926	2.095243	1.986992	2.42639	2.48471	2.036756	1.571317	2.054898	1.504318
NA	ENSG0000	-0.12769	0.443233	-0.56954	0.576236	0.683773	-5.89789	2.165157	1.947501	1.30847	1.688986	1.307481	1.575618	1.588238	1.658879	1.826075	0.934589	0.799097	1.126631	1.018891	1.032323	0.812339	0.837776	0.871168	0.999041
AC012676.	ENSG0000	0.396469	1.081371	1.615513	0.124106	0.211415	-4.94716	1.861169	1.915637	1.78216	2.359902	2.366112	2.098749	2.446718	1.85606	2.047395	0.88529	1.435603	1.439812	1.186687	1.495836	0.862212	1.482378	1.766644	1.273688
AC007342.	ENSG0000	-0.50395	-1.43505	-1.73553	0.100243	0.179164	-4.747	0.106501	0.410755	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	1.76051	1.644832	2.055402	1.689764	1.282615	1.423614	1.512637	1.478665	1.115245
MRPL12	ENSG0000	0.234759	3.764595	1.167315	0.258762	0.374016	-6.24563	3.562366	3.526613	4.003689	3.51817	4.020303	3.700636	3.647218	3.285084	3.808383	3.216534	3.860515	4.264509	4.191564	4.331113	4.27499	4.60593	4.357943	3.56145
AC005670.	ENSG0000	-0.1458	2.598343	-1.49906	0.151702	0.246909	-5.46512	3.114469	2.950996	2.883112	3.06262	3.170134	3.03415	3.072345	3.002451	2.981126	2.664903	2.753956	2.638296	2.83289	2.797719	2.743612	2.554269	2.48331	2.200755
NA	ENSG0000	-0.43943	0.248202	-1.70463	0.105975	0.186968	-4.65237	1.475543	1.591918	1.30847	2.325974	2.229385	2.164723	1.074544	1.231675	1.38134	0.934589	0.695454	0.921995	1.308151	0.784432	0.812339	0.576451	0.871168	0.497646
AC027796.	ENSG0000	-0.28485	0.695121	-1.12717	0.274909	0.392101	-5.44861	2.568952	2.332462	2.621113	1.978268	1.864131	1.919272	2.412257	2.451551	2.34318	0.88529	0.941811	0.726056	0.701742	1.032323	1.129895	0.517985	0.816175	0.580851
CCNQ	ENSG0000	0.103845	4.768557	1.443851	0.166467	0.265034	-6.11468	5.000411	5.164879	5.134153	4.759555	4.982309	4.78306	5.003988	5.098392	5.141238	4.5772	4.386688	4.714017	4.656506	4.521632	4.595601	4.838721	4.70304	4.753714
AC129507.	ENSG0000	0.46925	-1.18919	4.001841	0.00088	0.004216	-0.56204	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.76051	1.875739	1.951531	2.67247	2.700737	2.647333	2.35157	2.101639	2.174206
GTF2I	ENSG0000	0.168666	5.852128	1.541399	0.14113	0.233173	-6.19457	4.428132	4.57954	4.314076	5.7878	5.818465	5.935541	4.902122	5.007978	5.010523	6.48061	6.543633	6.505084	7.026159	7.01854	7.046001	6.554556	6.440703	6.505438
ZNF234	ENSG0000	0.097711	3.773255	0.981396	0.339788	0.460763	-6.48394	3.349713	3.35903	3.466347	3.408969	3.207016	3.472196	3.814892	3.786013	3.708117	4.207702	4.247042	4.059098	4.505944	4.463697	4.468538	4.185243	4.123255	4.058989
ROCK1P1	ENSG0000	-0.27519	0.471624	-0.79232	0.438797	0.559967	-5.77602	2.19231	2.232543	2.5366	1.326771	0.92021	0.984419	1.917967	1.760835	1.445026	0.7264	0.941811	0.807652	1.088368	1.203912	0.957066	0.837776	1.16325	1.058313
NA	ENSG0000	0.161737	0.628717	0.928182	0.365955	0.487905	-5.77154	1.336422	1.061904	1.30847	1.104644	1.087782	0.909432	0.886508	1.549165	1.38134	1.646779	1.369793	1.514616	1.573426	1.462417	1.801384	1.681967	1.737342	1.504318
ZNF213-AS	ENSG0000	-0.63069	1.742741	-4.56086	0.00026	0.001594	0.570352	2.021155	2.009193	2.221741	2.143217	2.299368	2.629332	1.762502	1.809233	1.727075	2.356666	2.135404	2.34226	2.51737	2.729118	2.743612	1.571317	1.956613	1.626848
MYZAP	ENSG0000	0.185895	-0.80196	0.303648	0.764981	0.835426	-5.95885	0.216396	0.106501	0.219246	1.022291	1.2379	1.123626	0.106501	0.106501	0.256032	1.52331	1.190799	1.46518	0.907968	1.462417	1.355599	1.512637	1.581179	1.665483
RPS7P1	ENSG0000	-0.22498	1.965114	-1.24324	0.230199	0.341036	-5.61394	2.505419	2.748839	3.029452	3.06262	2.633282	2.805104	2.858632	2.650616	2.959482	2.409929	1.967585	2.120715	1.733794	1.710321	1.667532	1.571317	1.956613	1.58715
TAPT1-AS1	ENSG0000	0.377679	1.868658	2.606075	0.018162	0.04655	-3.40248	2.369288	2.179863	2.514675	2.97776	2.71237	2.961768	2.752438	2.777669	2.892531	1.646779	1.498542	1.653508	1.99126	2.307842	2.200805	1.512637	1.878239	1.775544
NFE2L1-DT	ENSG0000	-0.13042	0.224897	-0.40472	0.690592	0.778851	-6.01212	1.336422	1.631689	0.964748	0.395333	1.087782	0.984419	1.70672	1.605065	1.674905	1.388276	1.190799	1.305813	1.186687	0.888753	1.129895	0.884806	0.924142	0.93723
SRSF8	ENSG0000	0.480312	6.000243	11.67096	1.11E-09	1.20E-07	12.42778	5.253402	5.349122	5.300357	5.591153	5.741991	5.722075	5.701383	5.643348	5.650287	6.128749	6.099342	6.24073	6.642416	6.659798	6.634428	6.734628	6.655652	6.698276
FAM72C	ENSG0000	-0.32886	0.205924	-1.49408	0.15299	0.248323	-5.08406	1.791852	1.947501	1.888281	1.182548	0.512209	0.830331	1.459147	1.658879	1.50602	1.490718	1.467416	1.585733	0.294634	0.345231	0.404558	1.250674	1.406038	1.58715
IKBKE	ENSG0000	0.346507	3.259303	2.482416	0.023467	0.057174	-4.04913	2.815895	2.819419	3.25779	3.255206	3.093416	3.086148	3.352323	2.960209	3.124172	3.165825	3.339557	3.240362	4.35554	4.358622	4.342433	3.617041	3.603991	3.679412
LINC02864	ENSG0000	0.693244	4.306696	3.63367	0.001977	0.008018	-1.82407	4.29042	4.12982	4.262385	5.483695	5.484749	5.497281	5.228555	5.246342	5.07736	3.737768	3.748453	3.804677	3.520276	3.793216	3.629946	3.945668	3.999132	4.122853
AC145207.	ENSG0000	0.149539	1.157201	1.007805	0.327297	0.447251	-5.78361	1.791852	2.125186	2.018628	1.457877	1.498102	1.310092	1.816207	2.184314	1.674905	1.704765	1.588084	1.759838	1.597456	1.16289	1.456457	1.880661	1.981819	1.942153
LINC00667	ENSG0000	0.241288	4.942788	4.663828	0.000208	0.001339	0.204851	4.456406	4.406929	4.553323	4.892995	4.960875	4.93257	4.908318	4.765849	4.849226	5.001167	5.008809	5.145251	5.487516	5.401859	5.46364	5.269218	5.214498	5.130317
AC022211.	ENSG0000	-0.55753	0.953723	-3.77061	0.001463	0.006317	-1.08765	1.069823	0.875715	1.028027	1.182548	0.92021	1.055701	0.983587	0.915275	0.925731	2.574485	2.753956	2.796562	2.162115	1.846087	2.257813	2.229352	2.169028	2.003758
SNORD3A	ENSG0000	0.00673	2.057176	0.035595	0.972008	0.98176	-6.49584	2.27083	2.61635	2.049454	2.143217	2.460774	1.993763	2.144798	2.451551	2.202855	2.635389	2.687979	2.228347	1.935792	2.596763	2.930541	2.554269	2.601856	2.397196
NBPF11	ENSG0000	-0.04593	3.511514	-0.55689	0.584667	0.690443	-6.65606	3.87042	3.846899	3.863273	3.727576	3.759832	3.828257	3.571163	4.019913	3.733845	3.385609	3.547323	3.312021	3.617489	3.560336	3.644271	3.358427	3.476789	3.364179
AC015813.	ENSG0000	-1.1804	2.487693	-6.12566	9.92E-06	0.000127	3.65945	3.476616	3.260998	3.576275	2.887595	2.926537	2.94309	2.303642	2.753138	2.748518	3.255856	3.524821	2.592986	2.694919	2.250257	2.399663	1.759719	1.956613	2.200755
LINC00909	ENSG0000	-0.11579	2.756761	-1.0047	0.328748	0.448759	-6.07454	3.58303	3.741788	3.576275	3.456785	3.170134	3.119801	3.457463	3.446787	3.453254	2.444376	2.575707	2.435052	2.343563	2.596763	2.703134	2.384669	2.410923	2.668457
SNRPGP2	ENSG0000	-0.31201	0.855682	-1.51049	0.148786	0.243134	-5.09587	2.051128	1.508929	1.818408	1.393812	1.307481	1.575618	1.525136	1.760835	1.777424	1.704765	1.403073	1.514616	1.473091	1.120667	1.695314	1.214313	1.547811	0.999041
DYNLL2	ENSG0000	0.842495	7.186483	12.07343	6.55E-10	8.05E-08	12.89588	6.025852	6.118783	6.005837	6.301416	6.329843	6.381113	7.214749	7.198386	7.196093	7.579929	7.611561	7.644031	7.775238	7.708864	7.780016	8.246538	8.216769	8.234006
AC138207.	ENSG0000	-0.34614	-0.18138	-1.67125	0.11248	0.19577	-4.83817	0.667115	0.736739	0.598525	0.395333	0.25478	0.563119	0.548589	0.622068	0.735084	1.704765	1.588084	1.514616	1.667235	1.560439	1.51998	1.387593	1.072305	1.504318
OTUD7B	ENSG0000	-0.45427	5.766309	-6.64925	3.56E-06	5.73E-05	4.21064	6.018285	5.898074	5.949748	5.487537	5.47722	5.45506	5.578564	5.650007	5.574002	6.128749	6.105673	6.139972	6.006965	5.974523	5.994819	5.647126	5.678704	5.523749
SUZ12P1	ENSG0000	0.186515	2.671339	1.673936	0.111944	0.195107	-5.2663	2.629805	2.693541	2.700947	2.864145	3.242978	2.961768	3.178682	3.083395	2.959482	2.708071	3.126946	2.724859	2.902055	2.925848	2.846311	2.924322	2.755911	2.79582
LINC00526	ENSG0000	-0.42181	1.081915	-2.61015	0.018008	0.046239	-3.45555	1.12723	1.591918	1.028027	1.326771	0.625525	1.123626	1.074544	0.726566	1.01237	2.494552	2.500824	2.581432	2.439743	2.433888	2.661487	2.154563	2.410923	2.119598
NA	ENSG0000	-0.02641	1.35626	-0.16896	0.867772	0.910943	-6.36732	1.826927	1.591918	1.453818	1.104644	1.718467	1.526279	1.317361	1.491012	1.244857	2.14259	2.303453	2.055402	2.24051	2.363215	2.481722	2.35157	2.006592	2.48622
AC018521.	ENSG0000	-0.68607	1.233754	-3.283	0.004262	0.014823	-2.06159	2.137484	2.206444	1.987129	1.393812	1.087782	1.367251	1.317361	1.15884	1.564539	2.243849	1.922393	2.16783	2.193986	2.190279	1.801384	1.681967	2.169028	1.504318
GJA5	ENSG0000	0.714655	1.237916	2.663921	0.016092	0.042403	-3.07395	7.313449	7.298801	7.16711	6.844286	6.642445	6.740116	8.055442	7.946974	7.982563	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ANXA8	ENSG0000	0.686943	0.983544	1.697344	0.107366	0.189001	-4.82706	1.12723	1.327092	1.358564	2.425456	2.57804	2.455733	0.670238	0.915275	1.314712	0.88529	1.190799	1.439812	1.954519	1.970168	1.610309	2.135245	2.274787	2.14716
RBM8A	ENSG0000	-0.20497	7.739316	-4.03018	0.000827	0.004019	-1.522	7.975989	7.938606	7.874862	7.08644	7.084063	7.105016	7.573602	7.532457	7.590404	8.192106	8.109914	8.165318	7.629532	7.665926	7.648961	8.099783	8.094995	8.069085
AC129926.	ENSG0000	-0.68923	-1.45084	-3.40735	0.003248	0.011915	-1.71611	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.704765	1.945166	2.004401	2.162115	1.946191	2.036756	1.286141	1.442809	1.170016
NA	ENSG0000	-0.17068	0.28737	-0.82462	0.4207	0.542265	-5.72299	1.336422	1.173893	1.146821	1.256461	1.087782	1.714252	1.074544	1.491012	1.171446	1.158593	1.190799	1.094478	1.336984	0.888753	1.355599	1.058946	0.924142	0.872651
TIMM23	ENSG0000	-0.21572	6.418186	-4.33956	0.00042	0.002342	-0.69742	7.130777	7.096948	7.037605	6.560435	6.495526	6.502484	6.940263	6.803764	6.838194	6.232183	6.165079	6.247143	5.954437	5.920171	5.870866	6.054394	5.966024	6.03792
AP005119.	ENSG0000	0.314943	-1.49735	1.489153	0.15427	0.249945	-5.04846	0.216396	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.158593	1.498542	1.188864	1.838325	1.819936	1.900186	1.387593	1.581179	1.665483
AC132938.	ENSG0000	-0.29427	0.923164	-1.75292	0.097137	0.174808	-4.88153	1.336422	1.173893	0.756332	1.182548	1.006428	1.188496	1.240874	0.726566	1.171446	2.494552	2.42184	2.07201	2.145912	1.970168	2.058312	2.055273	1.956613	2.033602
RNF115	ENSG0000	0.241491	6.023444	2.112278	0.049336	0.102584	-5.25265	5.87482	5.750092	5.767078	6.776816	6.754132	6.854475	6.335028	6.391864	6.359073	5.667877	5.70649	5.849781	5.936886	5.921708	5.906957	5.697389	5.59133	5.706224
MIR4664	ENSG0000	-0.22932	0.227503	-0.78292	0.444154	0.565033	-5.79676	1.286899	1.465573	1.585853	0.52061	1.006428	0.909432	1.459147	0.622068	1.171446	1.116489	1.265082	1.027938	1.446877	1.320413	1.247156	1.320757	1.024588	1.222783
RARA-AS1	ENSG0000	-0.00639	1.267661	-0.03189	0.974918	0.98341	-6.21117	2.165157	2.206444	1.888281	2.143217	1.864131	2.317553	2.412257	2.029503	2.530983	1.388276	1.435603	1.60868	1.733794	1.462417	1.610309	1.177011	1.581179	1.058313
RPL17	ENSG0000	-0.24146	2.465035	-1.81383	0.08691	0.160075	-5.05361	3.19722	2.982098	3.06005	2.143217	2.490996	2.22781	2.376953	2.511284	2.408535	2.83033	2.779525	2.948194	2.717023	2.657091	2.833866	2.878584	2.921385	2.960231
MAFG-DT	ENSG0000	0.36481	2.83424	2.056325	0.054999	0.111747	-4.69079	2.483604	2.853456	2.558197	3.51817	3.531716	3.485165	2.607661	2.623806	2.501332	2.955028	2.841532	2.930089	3.173846	3.213858	3.106389	3.508614	3.537548	3.228839
ZNF488	ENSG0000	-0.69914	-0.07153	-1.82308	0.085442	0.157903	-4.6673	0.503316	0.736739	0.679585	0.742604	1.087782	0.563119	0.106501	0.253663	0.106501	2.224158	2.372288	2.088428	1.524131	1.622273	1.51998	2.115663	2.254246	2.174206
SEC22B	ENSG0000	0.099133	6.591958	2.23037	0.039094	0.085388	-5.12759	6.830535	6.849594	6.72914	7.034865	6.931266	7.018455	6.88636	7.060236	6.977966	6.22477	6.213955	6.300088	6.337271	6.342624	6.375769	6.189303	6.27216	6.365783
LINC00668	ENSG0000	-0.92708	-1.072	-3.33334	0.003818	0.013576	-1.77638	3.738482	3.952741	3.764544	2.48816	2.660129	2.605775	3.137083	2.676938	2.697131	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TXNIP	ENSG0000	-0.08357	7.820455	-0.78358	0.443778	0.564653	-7.26489	6.531548	6.831564	6.663402	7.192629	7.084063	7.256415	6.346481	6.692053	6.381626	8.900568	9.035786	8.826021	8.760424	8.904178	8.816954	8.861185	8.930224	8.90677
SRGAP2	ENSG0000	-0.03163	4.674388	-0.53871	0.59688	0.699931	-6.99909	4.226185	4.312206	4.301326	4.681208	4.681813	4.713128	4.479546	4.265167	4.459769	5.015558	5.102956	4.885889	5.148423	5.136474	5.151487	4.9115	4.864208	4.857474
POLRMTP1	ENSG0000	-0.50766	0.29059	-2.48088	0.023541	0.057296	-3.42087	1.826927	1.744817	1.706811	1.74141	1.864131	1.526279	1.317361	1.231675	1.445026	0.982259	0.941811	0.993481	0.787801	0.938214	0.593579	0.884806	1.024588	0.580851
BAHCC1	ENSG0000	-0.04393	3.943939	-0.42141	0.678591	0.769493	-6.85185	4.073915	3.904854	4.117166	4.082842	4.249727	4.194794	3.555458	3.477062	3.69508	3.77884	3.997554	3.886761	4.43437	4.416485	4.56581	4.137495	4.167865	3.976887
RASSF5	ENSG0000	-0.22055	1.804995	-2.87676	0.010253	0.029657	-3.30321	0.947665	0.940485	1.358564	0.841981	0.730585	0.909432	0.886508	0.915275	0.833554	4.247262	4.107636	4.182763	3.563615	3.724396	3.454098	3.912008	4.05364	4.007286
FBXO36P1	ENSG0000	-0.08772	-0.12791	-1.11565	0.279675	0.396991	-6.21035	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.13047	4.309807	4.079775	4.191564	4.067774	3.87435	4.031767	4.083055	4.037057
STRADA	ENSG0000	-0.37594	0.490349	-1.49928	0.151646	0.246874	-5.03103	1.791852	1.591918	1.987129	1.256461	1.666451	1.526279	1.074544	1.15884	1.918715	1.423238	1.029669	1.027938	1.186687	0.7293	1.046067	1.058946	0.924142	1.322858
AC080112.	ENSG0000	-0.12256	4.108127	-1.08235	0.293806	0.412527	-6.37862	4.29042	4.204245	4.042515	4.416862	4.594038	4.598452	3.761137	3.431409	3.681923	4.026306	3.953305	4.178935	4.601127	4.529722	4.558265	4.306784	4.273707	4.051715
NBPF15	ENSG0000	-0.0842	4.828771	-1.03423	0.315126	0.434714	-6.53489	5.648453	5.572461	5.56856	5.633379	5.547207	5.59324	5.601686	5.626565	5.673738	4.187508	4.403231	4.04234	4.31626	4.307781	4.398437	3.967679	4.041704	3.848451
SNHG25	ENSG0000	-0.30556	-0.18887	-1.05814	0.304399	0.423518	-5.39202	1.642349	1.508929	1.406977	1.326771	1.373859	1.310092	1.588238	1.85606	1.564539	0.88529	0.583785	0.76743	0.407676	0.7293	0.707101	0.517985	0.358227	0.315289
NCOA4	ENSG0000	0.512711	7.215986	7.569378	6.44E-07	1.53E-05	5.845993	7.189227	7.221089	7.138722	7.734586	7.65981	7.635128	7.80455	7.862774	7.815666	6.503253	6.533337	6.538332	7.215166	7.283648	7.237092	6.875907	6.901661	6.927168
MRPS21	ENSG0000	-0.29012	7.340936	-5.2012	6.60E-05	0.000545	1.06737	7.311903	7.234873	7.230694	6.845783	6.913245	6.850722	6.980512	6.997657	6.999336	7.815282	7.726119	7.789829	7.70785	7.711978	7.7596	7.461068	7.454421	7.51549
AP005262.	ENSG0000	0.282823	-1.40209	1.340886	0.197125	0.301639	-5.27547	0.106501	0.106501	0.219246	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.388276	1.672391	1.387696	1.797417	1.652223	2.058312	1.903678	1.581179	1.665483
MYO15B	ENSG0000	-0.29097	3.061173	-2.33489	0.031704	0.072343	-4.32437	2.629805	2.332462	2.641489	3.020814	3.012388	3.349911	2.667326	2.220554	2.165532	3.968304	4.024536	3.848714	3.899458	3.745389	4.024267	3.658228	3.705831	3.56145
AC138207.	ENSG0000	-0.03145	-1.25229	-0.11267	0.911579	0.941524	-6.13338	0.318509	0.106501	0.323815	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.423238	1.467416	1.49011	1.667235	2.06228	1.851631	1.571317	1.82352	1.504318
ZNF793-AS	ENSG0000	0.094403	-1.33619	0.630437	0.536565	0.648917	-6.06476	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	2.032826	2.243088	1.621093	1.946191	2.07955	1.992244	1.981819	2.326628
AC067852.	ENSG0000	-0.08252	4.016391	-0.92337	0.368388	0.490186	-6.5546	3.476616	3.59862	3.773804	4.254996	4.335505	4.088331	3.490873	3.351955	3.323715	4.266643	4.251617	4.524909	4.734427	4.859959	4.642737	4.37013	4.400624	4.249053
AC061992.	ENSG0000	0.937684	0.355226	3.338701	0.003774	0.013451	-1.77228	2.833249	2.49222	2.514675	2.887595	2.762786	2.94309	3.388228	3.521314	3.628063	0.269074	0.330605	0.288049	0.234608	0.612281	0.593579	0.326864	0.358227	0.409347
AC060780.	ENSG0000	0.234269	3.136037	2.362339	0.029991	0.069109	-4.32521	1.861169	2.448351	2.446827	2.740812	2.904251	2.652511	2.576877	2.389238	2.588518	3.812196	3.793073	3.663876	4.750591	4.78759	4.698713	3.97856	4.029668	3.797179
ZNF850	ENSG0000	-0.01703	2.468524	-0.17149	0.865805	0.909914	-6.88115	1.561356	1.849715	1.888281	1.791994	1.373859	1.123626	1.816207	2.147141	1.727075	4.327889	4.439772	4.178935	3.236398	2.997596	3.335521	4.245042	4.258317	4.261717
AC092296.	ENSG0000	-0.08058	-1.10939	-0.39999	0.694013	0.781101	-6.27738	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.620402	2.935512	1.896649	2.399306	2.23054	2.330481	2.075685	2.254246	2.59029
AC005336.	ENSG0000	0.017311	-0.68037	0.076608	0.939806	0.961513	-5.93444	3.836399	3.99909	4.332993	3.181227	3.188693	3.335661	4.045989	4.080322	4.011347	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC006213.	ENSG0000	-0.22225	-0.8573	-0.85299	0.405201	0.526865	-6.00216	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	2.392392	2.212518	2.286428	3.845296	3.552417	3.922159	2.075685	2.006592	1.739782
ASB16-AS1	ENSG0000	-0.19436	2.343903	-1.52673	0.144723	0.237886	-5.3973	2.218961	2.636038	2.351095	3.123142	2.686486	2.763128	1.762502	2.255906	2.087859	2.777267	2.753956	2.569785	3.013417	3.131201	3.096004	2.692858	2.500854	2.760563
ILF3-DT	ENSG0000	-0.58076	2.87226	-6.00142	1.27E-05	0.000154	3.166521	1.861169	1.277811	1.585853	1.104644	2.03796	1.714252	1.70672	1.301009	1.727075	5.136363	5.145366	5.093319	4.782385	4.956139	4.879111	4.507942	4.572242	4.411295
ZNF561-AS	ENSG0000	-0.32454	2.81388	-2.27654	0.035652	0.079341	-4.26931	3.349713	3.347134	3.443319	3.408969	3.151334	3.069023	2.545421	2.540248	2.937508	2.918737	2.766797	2.693003	3.24403	3.152313	3.290693	2.866919	2.841019	2.724423
AC008105.	ENSG0000	0.387492	0.143956	1.123655	0.276357	0.393733	-5.33411	3.313074	3.59862	3.533304	4.359318	4.081169	4.323123	3.814892	3.619579	3.641718	0.106501	0.106501	0.230035	0.171976	0.190544	0.263213	0.257084	0.19538	0.409347
SCAT1	ENSG0000	-0.24487	3.188791	-2.42632	0.026329	0.062531	-4.14815	3.465529	3.516026	3.371944	3.083078	3.278066	3.016392	3.602068	3.384264	3.614278	3.844798	3.562131	3.728156	3.091636	2.974074	2.895043	3.307556	3.236163	3.267027
AC093227.	ENSG0000	0.547121	0.374903	2.922254	0.009302	0.027465	-2.66226	0.667115	0.582935	0.679585	0.934951	1.373859	1.123626	1.317361	0.915275	1.171446	1.52331	1.335727	1.248523	1.667235	2.016959	1.695314	1.419885	1.581179	1.504318
AC006213.	ENSG0000	0.2127	-1.38204	1.630469	0.12089	0.207161	-4.95347	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.76051	1.616737	1.718241	2.466086	2.326537	2.365487	1.784732	1.878239	1.703111
NA	ENSG0000	2.461972	-0.00065	7.089124	1.55E-06	3.03E-05	4.850967	1.286899	1.631689	1.256574	3.083078	2.811499	3.231764	3.507292	3.351955	3.406029	0.190076	0.106501	0.230035	0.610222	0.671977	0.707101	0.517985	0.2791	0.315289
ZNF8-ERVK	ENSG0000	0.637983	-0.72263	2.893881	0.009885	0.028826	-2.74225	0.318509	0.499412	0.219246	0.258133	0.25478	0.106501	0.269385	0.509405	0.515351	1.315703	1.498542	1.514616	1.248697	1.120667	1.488568	1.948641	2.006592	1.703111
ZNF790-AS	ENSG0000	0.071306	2.751921	0.439411	0.665748	0.759793	-6.53893	2.933205	3.114308	2.966237	2.714828	2.71237	2.741673	3.352323	3.141256	3.143496	2.777267	2.727926	2.806521	3.422776	3.329589	3.167173	2.692858	2.813204	2.742606
AC020928.	ENSG0000	-0.18268	0.29733	-2.42499	0.0264	0.062669	-4.34875	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.877414	4.81224	5.037335	4.598153	4.596713	4.444184	4.717304	4.676269	4.815144
AC011476.	ENSG0000	-0.24693	-1.6373	-1.03718	0.313789	0.43345	-5.56699	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.199504	1.752042	1.413989	1.573426	1.652223	2.141451	1.354562	1.072305	1.322858
PARD6G-A	ENSG0000	0.27035	1.174316	1.233176	0.233839	0.345208	-5.71822	0.742531	1.226787	0.512639	1.182548	1.666451	1.250575	0.548589	0.509405	0.833554	2.749986	2.792142	2.615819	2.749557	2.913535	2.76998	3.152846	3.215061	2.79582
MAP3K14-	ENSG0000	0.144596	2.624296	0.694249	0.496651	0.613832	-6.31603	3.944154	3.483793	3.863273	2.688367	2.85862	2.675323	3.916741	3.761625	3.69508	2.033684	2.372288	2.07201	2.314863	2.398985	2.399663	2.448672	2.190809	2.610232
TBX2-AS1	ENSG0000	0.159396	-0.49628	0.362982	0.720971	0.802312	-5.82501	2.548084	3.169391	2.600444	2.633943	3.053471	2.374422	3.094248	3.122225	3.236418	0.190076	0.259702	0.230035	0.234608	0.26996	0.106501	0.106501	0.106501	0.214669
AC138150.	ENSG0000	-0.83253	1.637536	-3.42221	0.003144	0.011638	-1.77557	2.850396	2.61635	2.865896	2.103714	2.429905	1.880533	1.867984	1.605065	1.38134	1.732907	1.967585	2.021603	2.343563	2.23054	2.161508	1.482378	2.078458	1.665483
AC092295.	ENSG0000	-0.2281	0.933761	-0.72168	0.480033	0.599011	-5.97432	1.927307	1.81559	1.744977	0.635873	1.373859	1.123626	1.317361	1.658879	1.727075	1.586365	1.369793	1.60868	2.112949	2.10622	2.141451	1.387593	1.478665	1.461048
AC027307.	ENSG0000	-0.27091	2.749862	-2.74406	0.013593	0.037188	-3.31688	3.288121	3.155816	3.013906	3.80351	3.820593	3.776446	2.607661	2.894433	2.869505	2.589954	2.469748	2.604447	3.074617	3.152313	2.99902	2.554269	2.410923	2.326628
SNHG30	ENSG0000	-0.50819	3.205041	-4.00709	0.00087	0.004177	-1.00088	3.128595	2.730641	3.176339	1.933905	2.264801	2.132113	2.832807	3.043491	3.340558	4.545816	4.415514	4.545867	3.708564	3.745389	3.773698	3.630901	4.065478	3.897964
AC011447.	ENSG0000	0.257409	-0.69985	2.006881	0.060485	0.120633	-4.62907	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.574485	2.516115	2.766268	3.173846	3.203781	3.225499	2.75746	3.034117	2.84714
DNAH17-A	ENSG0000	0.366229	2.707575	2.167652	0.044261	0.094246	-4.29328	4.081197	4.281283	4.351665	4.392481	4.439897	4.568299	4.80585	4.61746	4.849226	1.646779	1.498542	1.915176	1.755315	1.710321	1.580823	1.387593	1.613793	1.370407
ZNF582-AS	ENSG0000	0.083092	0.188196	0.467545	0.645886	0.743383	-6.24284	0.742531	0.215206	0.323815	0.635873	0.389229	0.461789	0.415731	0.387194	0.256032	2.527059	2.135404	2.328504	2.529911	2.743101	2.574402	2.211015	2.568968	2.48622
AC008736.	ENSG0000	0.305732	2.400228	2.712919	0.014516	0.039064	-3.89286	1.384302	1.061904	1.406977	0.395333	0.730585	0.984419	0.415731	1.001115	0.735084	5.066207	5.214953	5.193482	4.957386	4.837324	4.989822	5.486798	5.574859	5.582975
ZNF285	ENSG0000	0.255859	0.484169	1.051716	0.307254	0.426626	-5.76799	0.503316	0.582935	0.598525	0.934951	1.006428	0.2349	0.548589	1.001115	0.833554	2.056133	1.922393	2.055402	2.491955	2.714997	2.433049	2.211015	1.851139	2.350536
MIR23AHG	ENSG0000	-0.37085	2.758888	-1.84532	0.082003	0.153337	-4.98749	3.223781	3.439663	3.322321	2.766336	3.132285	3.086148	2.480375	2.960209	3.023464	2.736149	2.865607	2.497858	3.416036	3.470735	3.462206	2.300453	2.649824	2.649309
LINC01836	ENSG0000	0.071712	-0.99994	0.148212	0.883872	0.922946	-5.795	1.681202	1.670392	1.585853	1.519216	1.437317	1.250575	1.816207	1.658879	2.087859	0.269074	0.106501	0.288049	0.352262	0.416769	0.404558	0.183756	0.106501	0.214669
S1PR2	ENSG0000	-0.43045	1.30073	-2.4368	0.02577	0.061476	-3.91986	1.286899	1.226787	1.088647	0.635873	0.625525	0.830331	0.782422	1.15884	0.629397	2.918737	3.023743	3.035461	3.507651	3.41941	3.68641	2.597261	2.827179	2.570068
AC006504.	ENSG0000	-0.08919	2.518258	-0.76683	0.453416	0.573892	-6.33613	2.483604	2.534795	2.621113	2.143217	2.366112	2.741673	2.376953	2.069791	2.165532	2.966925	2.912585	3.052298	3.40246	3.393046	3.486261	2.990321	2.985098	3.149291
AC016590.	ENSG0000	-0.10964	-1.54495	-0.55432	0.586381	0.691777	-6.02962	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.865926	2.303453	1.631268	1.711947	1.428204	1.390007	1.512637	1.67689	2.033602
NA	ENSG0000	0.129921	-0.94148	1.059368	0.303854	0.423007	-5.89846	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.749986	2.889287	2.724859	2.193986	2.363215	2.34809	2.901634	3.034117	2.570068
ZNF224	ENSG0000	0.03922	3.791803	0.445947	0.661111	0.755957	-6.88837	3.262728	3.439663	3.384088	3.273122	3.295295	3.498018	3.238915	3.462004	3.468658	4.256985	4.382523	4.147939	4.818614	4.623418	4.794943	4.258497	4.2788	4.376785

AC005332.	ENSG0000	0.593302	-1.14327	2.524592	0.021511	0.053247	-3.50666	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.256032	1.76051	2.095243	1.514616	2.399306	2.288901	2.141451	1.708352	2.190809	2.350536
RUNDC3A-	ENSG0000	-0.00057	0.616571	-0.00237	0.998134	0.998625	-6.1159	1.336422	1.551021	1.202741	1.578054	1.2379	1.993763	0.886508	1.001115	0.925731	1.116489	1.029669	1.219002	2.096181	1.710321	1.801384	1.65509	1.289746	1.322858
AC009005.	ENSG0000	-0.09775	0.326084	-0.44138	0.664351	0.758566	-6.19208	1.336422	1.277811	0.898566	0.258133	0.625525	0.461789	0.548589	0.726566	0.735084	1.787595	2.011405	1.820066	1.711947	1.819936	1.610309	1.948641	2.078458	2.06284
EML2-AS1	ENSG0000	-0.51883	1.235687	-1.98785	0.062725	0.124048	-4.36393	3.58303	3.58855	3.688245	2.688367	2.686486	2.697781	3.004565	2.916694	2.723053	0.669294	0.848253	0.993481	0.828978	1.032323	0.404558	0.974502	1.118494	1.058313
SMIM22	ENSG0000	0.30267	0.934959	2.532774	0.02115	0.052556	-4.18425	0.216396	0.316291	0.219246	0.106501	0.389229	0.106501	0.269385	0.106501	0.106501	4.626786	4.702905	4.727183	5.650003	5.736656	5.607658	4.972643	5.033479	5.06679
NDUFV2P1	ENSG0000	-0.05711	1.73217	-0.48871	0.63112	0.730515	-6.28664	2.245129	2.039077	2.049454	2.143217	1.996426	1.919272	2.412257	2.147141	2.202855	2.338465	2.320972	2.30059	1.897591	1.921808	1.876113	1.948641	2.169028	2.350536
MZF1-AS1	ENSG0000	-0.33751	0.334466	-2.07367	0.053183	0.108882	-4.24321	0.742531	0.661886	0.756332	1.182548	0.828511	0.746642	0.886508	0.509405	0.629397	1.676063	1.827525	1.969371	1.818016	2.06228	2.121111	1.65509	1.547811	1.416439
AC074135.	ENSG0000	0.003599	-1.33479	0.024441	0.980777	0.987433	-6.24473	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.98771	2.193623	1.820066	2.385571	2.169719	1.947161	2.075685	1.82352	1.775544
NA	ENSG0000	-0.27599	0.348524	-1.26136	0.223756	0.333678	-5.40459	0.742531	1.002471	0.964748	0.934951	1.006428	1.310092	0.670238	0.622068	0.925731	1.787595	1.989662	1.759838	1.248697	1.16289	1.355599	1.627702	1.707432	1.703111
CARD8-AS	ENSG0000	0.155173	0.729953	0.674684	0.508704	0.624125	-6.04572	0.814199	0.499412	0.964748	1.182548	1.164793	1.250575	1.240874	1.367163	0.735084	1.940223	2.285719	2.136592	1.818016	1.871771	1.580823	2.034568	2.078458	1.973284
NBPF12	ENSG0000	-0.1741	3.556719	-2.13503	0.04719	0.099076	-4.72641	4.006674	3.667203	3.607684	3.727576	3.784444	3.700636	3.647218	3.646467	3.641718	3.681119	3.735447	3.526028	3.778549	3.903166	3.799527	3.39949	3.458949	3.509302
NAPA-AS1	ENSG0000	0.155082	1.674123	1.381183	0.184628	0.28661	-5.43103	1.894617	2.179863	1.78216	2.021307	2.299368	2.064596	1.966276	2.184314	2.087859	1.91588	1.922393	1.986992	2.343563	2.381211	2.330481	2.135245	1.981819	2.003758
SLC6A14	ENSG0000	-1.46186	-1.74025	-3.877	0.001158	0.005256	-0.74406	3.325391	2.853456	2.720234	1.519216	1.718467	1.757653	1.240874	1.430416	1.674905	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC010615.	ENSG0000	-0.05681	-1.1955	-0.40716	0.688832	0.777419	-6.26568	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.444376	2.546219	2.569785	1.755315	1.738515	1.876113	2.26534	2.447571	2.507643
AC026304.	ENSG0000	-0.4538	-0.0062	-2.37427	0.029274	0.067884	-3.66492	0.742531	0.8079	0.598525	0.635873	0.625525	0.909432	0.782422	0.622068	0.629397	1.52331	1.335727	1.858866	1.473091	1.462417	1.749324	1.250674	1.329561	0.999041
AC005261.	ENSG0000	0.101388	3.995061	0.933797	0.363131	0.484958	-6.56969	3.975752	4.058659	4.034833	3.533117	3.362223	3.807755	4.111894	4.221128	4.132351	4.109157	4.176619	4.201752	4.427684	4.298341	4.346819	4.108069	4.273707	4.394143
ARL14EPL	ENSG0000	0.343221	-0.28846	2.783882	0.012494	0.0348	-3.36535	0.318509	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.303547	3.313538	3.247691	3.809739	3.637228	3.747398	3.603046	3.698248	3.631427
NA	ENSG0000	-0.28796	0.277442	-1.14992	0.265668	0.382097	-5.57368	0.882475	1.226787	0.898566	0.52061	0.730585	0.3528	0.983587	0.622068	0.515351	1.555182	1.875739	1.696985	1.954519	2.326537	1.851631	1.482378	1.67689	1.703111
AC092279.	ENSG0000	0.500456	0.460659	1.546107	0.139993	0.231771	-5.0597	0.318509	0.316291	0.598525	1.578054	0.625525	0.909432	1.160105	1.231675	1.01237	1.940223	1.851833	1.333627	2.591031	2.451029	2.589286	1.387593	1.878239	1.665483
FENDRR	ENSG0000	1.01738	-0.07115	4.452459	0.000328	0.001928	0.387487	4.12413	4.429669	4.131643	5.388282	5.212855	5.366721	5.223595	5.210752	5.313214	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC010329.	ENSG0000	-0.16326	-0.36281	-1.10326	0.284874	0.402606	-6.03213	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.165825	3.330936	3.133657	4.758606	4.919664	4.70214	2.924322	2.99751	3.107809
MIR4453H	ENSG0000	-0.38057	1.558678	-2.78724	0.012405	0.034584	-3.18357	1.12723	1.508929	1.30847	1.519216	1.006428	1.623325	0.983587	1.491012	1.244857	2.817246	2.766797	2.855308	3.288992	3.193633	3.244428	2.417026	2.48331	2.397196
AC020915.	ENSG0000	0.601606	1.538274	3.624816	0.002015	0.008137	-1.40332	1.336422	1.277811	1.256574	2.181668	2.078331	1.956998	1.588238	1.430416	1.314712	2.100009	2.212518	2.055402	2.491955	2.416542	2.34809	2.625227	2.696248	2.830235
LINC00664	ENSG0000	-0.11966	-1.41445	-0.62993	0.536888	0.649079	-5.99244	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.100009	1.644832	1.653508	2.225168	2.363215	2.465679	1.599785	1.329561	1.877799
AC010643.	ENSG0000	-0.29763	-0.28651	-1.6839	0.109976	0.192504	-5.10179	0.216396	0.499412	0.219246	0.258133	0.106501	0.2349	0.106501	0.253663	0.39151	2.966925	2.865607	2.902498	1.776519	2.06228	1.947161	2.568742	2.755911	2.687355
AC005261.	ENSG0000	-0.08684	0.927607	-0.57387	0.573367	0.681675	-6.09961	1.069823	1.551021	1.30847	1.393812	1.087782	1.188496	1.240874	1.367163	1.50602	1.940223	1.989662	1.73919	2.027088	1.819936	1.801384	1.599785	1.707432	1.942153
AC104534.	ENSG0000	0.157243	0.211775	3.096921	0.006386	0.020425	-2.99099	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.61171	4.742447	4.687318	4.656506	4.756906	4.712374	4.859472	4.773297	4.815144
AL118506.	ENSG0000	-0.15477	3.014117	-1.94695	0.067793	0.131784	-5.1823	2.021155	2.009193	2.079636	2.103714	2.333126	1.840725	1.867984	1.549165	1.674905	4.573314	4.732663	4.771071	4.568067	4.54975	4.504317	4.664377	4.664642	4.416967
A1BG-AS1	ENSG0000	0.557533	0.846093	3.080273	0.00662	0.021028	-2.3873	1.010037	1.118985	1.088647	1.104644	1.498102	1.840725	1.816207	1.549165	1.445026	1.315703	1.435603	1.413989	2.079215	1.921808	1.923865	1.599785	1.478665	1.739782
CSAG2	ENSG0000	0.095576	-0.32012	0.669417	0.511976	0.627006	-6.41154	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.256032	3.420635	3.414909	3.393562	3.416036	3.253475	3.525482	3.245848	3.476789	3.55117
AC012313.	ENSG0000	0.223928	1.276103	1.734866	0.100363	0.179312	-5.07587	0.814199	1.002471	0.756332	1.326771	1.307481	0.830331	0.886508	0.726566	1.01237	2.708071	2.741	2.806521	2.781373	3.098942	3.19663	3.022222	2.95995	2.928814
CSAG3	ENSG0000	0.122391	-0.78789	0.850088	0.406771	0.528713	-6.11727	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.817246	2.590228	2.974933	2.649667	2.581279	2.703134	2.831347	2.696248	2.880366
MAN1B1-D	ENSG0000	-1.12174	1.152649	-6.21681	8.28E-06	0.000112	3.82243	1.519087	1.978677	2.018628	1.457877	1.718467	1.475193	0.548589	1.301009	0.833554	2.30136	2.372288	2.34226	2.225168	2.21055	2.200805	1.734264	1.737342	1.626848
AC092070.	ENSG0000	0.546875	-1.27181	3.709089	0.001675	0.007026	-1.15027	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.865926	1.55885	1.73919	2.452975	2.50126	2.559363	2.055273	1.90484	2.48622
AC024075.	ENSG0000	0.042123	0.175099	0.162924	0.872447	0.914368	-5.94845	1.336422	1.118985	1.358564	1.978268	1.953662	2.317553	1.459147	1.491012	1.620777	0.88529	0.640699	0.683459	0.907968	0.837535	1.320349	0.393424	0.759002	0.580851
NA	ENSG0000	0.352298	-1.15451	1.884298	0.076268	0.144819	-4.63312	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.555182	2.011405	1.839597	2.579013	2.756951	2.382676	2.055273	2.078458	2.252429
AC007842.	ENSG0000	0.447218	1.271629	3.628014	0.002001	0.008096	-1.37538	1.12723	1.226787	0.829201	1.393812	1.437317	1.669505	1.389995	1.491012	1.445026	2.121457	2.174476	1.877881	2.579013	2.612083	2.661487	2.211015	2.315011	2.419973
AP001160.	ENSG0000	0.098811	0.466103	0.421096	0.678818	0.769593	-6.11997	0.742531	0.316291	0.598525	0.841981	1.164793	1.310092	1.160105	0.509405	0.735084	2.078238	1.8028	1.780195	2.009285	2.326537	2.330481	1.734264	1.851139	1.739782
FBXO17	ENSG0000	-0.0739	3.082702	-0.72009	0.480989	0.599942	-6.41434	3.530804	3.494617	3.889066	3.54791	3.48743	3.535905	3.571163	3.462004	3.572114	2.943032	2.946841	2.826234	3.066031	3.203781	2.942182	3.032701	2.895091	2.629903
ZSCAN16-A	ENSG0000	-0.23434	2.475546	-1.89233	0.075131	0.143021	-4.78949	3.397161	3.526613	3.565652	3.425084	3.378481	3.349911	3.676552	3.477062	3.064594	2.14259	2.174476	2.228347	2.270712	2.06228	2.257813	1.85727	1.82352	1.910335
MAGIX	ENSG0000	0.241354	1.799407	1.729565	0.101328	0.180763	-4.95397	2.080492	2.206444	2.37563	2.181668	2.366112	2.5075	2.01302	2.357042	2.274723	1.787595	1.922393	1.780195	2.466086	2.23054	2.312654	2.334732	2.169028	1.877799
IKBKG	ENSG0000	-0.03601	3.47879	-0.37691	0.710779	0.794806	-6.73181	3.952119	4.080378	3.863273	3.376187	3.956756	3.786958	3.941119	3.89093	3.979442	3.367773	3.278101	3.36689	3.46257	3.436722	3.326666	3.31616	3.32748	3.267027
ZNF587B	ENSG0000	-0.17132	4.625822	-2.99825	0.007902	0.024052	-3.42001	3.991296	3.928996	4.019345	3.688057	3.457132	3.643939	3.841036	3.999201	3.668646	5.751071	5.731269	5.645805	5.423425	5.552391	5.581843	5.428474	5.585175	5.610463
PTOV1-AS	ENSG0000	-0.49186	1.461053	-2.83413	0.011229	0.031865	-3.04831	1.519087	1.327092	1.888281	1.519216	1.666451	1.475193	1.074544	1.710758	1.244857	2.679436	3.096753	2.671369	1.935792	2.148862	2.23906	2.464239	2.354144	2.226823
AC011497.	ENSG0000	-0.43695	1.066333	-3.14682	0.005731	0.018804	-2.2764	1.826927	1.883052	1.78216	1.634586	1.864131	1.714252	1.867984	1.301009	1.564539	1.814181	1.827525	1.780195	1.498836	1.428204	1.51998	1.512637	1.645686	1.273688
ITGB1P1	ENSG0000	0.527221	0.755733	2.909627	0.009557	0.028061	-2.66118	1.959273	1.947501	2.194417	2.103714	2.366112	1.993763	2.607661	2.290412	2.501332	0.934589	0.695454	0.846782	0.745413	0.784432	0.862212	0.884806	1.368306	0.872651
RAB11B-AS	ENSG0000	-0.66988	-0.16008	-1.79122	0.090591	0.165125	-4.4671	2.051128	2.125186	1.921989	2.021307	1.164793	1.367251	1.317361	1.658879	1.445026	0.34397	0.583785	0.499259	0.610222	0.986036	0.707101	0.576451	0.2791	0.315289
TMEM185	ENSG0000	0.264255	3.741626	2.779028	0.012623	0.035074	-3.51498	3.919992	4.065935	3.897563	4.218476	4.1009	4.524999	4.402637	4.405576	4.45204	3.446357	3.439177	3.451828	3.581798	3.536446	3.502077	3.358427	3.651889	3.410407
RPARP-AS1	ENSG0000	-0.38768	2.233121	-2.65734	0.016315	0.042839	-3.46139	2.725848	2.870177	2.661582	2.518519	2.078331	2.258349	2.446718	2.147141	2.165532	2.574485	2.604605	2.592986	2.727949	2.875953	3.010124	2.448672	2.254246	2.48622
AC005498.	ENSG0000	0.458858	-1.12064	1.475941	0.157749	0.254457	-5.12664	0.216396	0.215206	0.219246	0.106501	0.106501	0.106501	0.415731	0.253663	0.106501	1.315703	1.190799	1.333627	2.027088	2.190279	2.058312	1.809319	1.329561	1.703111
NBPF9	ENSG0000	0.167182	4.878644	1.375062	0.186484	0.2888	-6.19803	4.807565	4.778666	4.904734	5.605366	5.514478	5.688828	5.120637	5.146277	5.146036	4.71408	4.739193	4.606974	4.684821	4.630959	4.535391	4.54135	4.751478	4.82371
SLC25A53	ENSG0000	-0.13304	2.222041	-0.65235	0.522664	0.636646	-6.23741	3.156438	2.870177	2.99819	2.577385	2.460774	2.697781	3.632324	2.871824	3.289427	2.263275	2.338281	2.272125	2.28558	2.039797	2.330481	1.809319	2.054898	1.626848
ZIM2-AS1	ENSG0000	0.359446	-0.6191	1.956777	0.066544	0.129957	-4.89459	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.798946	3.848485	3.712353	1.878105	1.921808	1.749324	4.057652	4.017531	4.255399
KCNQ1OT1	ENSG0000	0.442536	1.159122	1.86687	0.078787	0.14867	-4.68102	0.947665	1.374745	1.202741	1.519216	1.087782	1.919272	1.917967	1.710758	1.674905	2.033684	2.320972	1.360915	1.897591	2.148862	2.220059	1.833493	2.006592	2.06284
AC022150.	ENSG0000	-0.16062	2.10407	-1.72129	0.102849	0.182699	-5.37913	1.12723	1.061904	1.667608	1.457877	1.087782	1.123626	1.317361	1.549165	1.445026	3.997596	4.10258	3.93295	3.5452	3.644697	3.517722	3.793775	3.750515	3.831562
ZNF528-AS	ENSG0000	-0.142	0.904922	-0.7558	0.459837	0.58042	-6.58082	0.587539	0.499412	0.219246	0.106501	0.25478	0.2349	0.106501	0.726566	0.515351	4.037631	4.077032	3.829308	4.818614	4.638459	4.79815	3.6717	3.999132	3.848451
IPO5P1	ENSG0000	0.363165	-0.11057	1.180818	0.253495	0.368091	-5.54746	0.216396	0.582935	0.106501	0.742604	0.389229	0.461789	0.106501	0.509405	0.629397	1.76051	2.032826	1.585733	3.108457	3.04352	2.821313	1.992244	1.851139	2.033602
EGLN2	ENSG0000	-0.14297	1.29338	-0.83697	0.413909	0.535776	-5.94212	1.681202	1.173893	1.146821	1.933905	1.909591	2.132113	1.459147	1.367163	1.38134	1.91588	2.267764	2.038602	2.24051	2.148862	2.433049	1.809319	1.707432	2.06284
SNHG8	ENSG0000	0.019392	5.938285	0.193148	0.84907	0.898462	-7.30986	6.512823	6.526025	6.553447	6.297044	6.245934	6.231372	6.524402	6.674198	6.794548	5.376047	5.4835	5.363329	5.626839	5.60119	5.633019	5.244639	5.329416	5.33891
AL513477.	ENSG0000	-0.80191	0.687045	-2.84416	0.010991	0.031341	-2.95518	1.336422	1.277811	1.088647	1.022291	0.512209	0.830331	0.106501	0.824004	0.629397	2.664903	2.453955	2.638296	2.412911	1.993753	2.330481	2.135245	2.37332	2.174206
AL606834.	ENSG0000	-0.11099	1.000326	-0.56938	0.576342	0.683785	-6.00653	2.392887	2.403106	2.274882	2.255624	1.666451	1.422231	2.058296	2.357042	2.005764	1.073118	1.335727	1.158083	1.088368	1.16289	1.247156	1.177011	1.289746	1.273688
AF131215.	ENSG0000	-0.28984	0.561694	-1.3872	0.182818	0.284546	-5.19241	1.286899	1.420874	1.028027	1.74141	1.307481	1.799787	1.160105	1.430416	1.01237	1.278001	1.435603	1.538714	1.420179	1.622273	1.209118	1.177011	1.329561	0.93723
AL049840.	ENSG0000	-0.23397	1.210505	-1.46826	0.159801	0.256978	-5.36049	1.642349	2.009193	1.667608	0.635873	0.92021	1.526279	1.70672	1.658879	1.50602	2.356666	2.485369	2.272125	1.776519	1.819936	1.610309	2.095813	2.101639	2.350536
AL049840.	ENSG0000	-0.42887	1.281738	-2.98122	0.008196	0.024797	-2.75323	2.021155	1.978677	1.818408	1.104644	1.087782	0.984419	1.074544	1.367163	1.314712	2.736149	2.320972	2.615819	1.711947	1.738515	1.992654	2.334732	2.410923	2.507643
AC010969.	ENSG0000	0.314667	0.917669	1.629098	0.121182	0.207626	-4.91428	1.336422	1.226787	1.744977	2.063099	1.909591	2.132113	1.867984	1.945386	1.620777	1.490718	1.403073	1.277453	1.248697	1.357245	1.320349	1.419885	1.329561	1.461048
AL627309.	ENSG0000	0.400295	-1.41982	1.524149	0.145361	0.238513	-4.9985	0.106501	0.106501	0.106501	0.258133	0.25478	0.106501	0.106501	0.253663	0.106501	1.646779	1.403073	1.305813	1.597456	1.357245	1.876113	1.512637	1.478665	1.665483
AL513318.	ENSG0000	0.266354	-1.51451	1.032949	0.31571	0.435385	-5.61032	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	1.616888	1.529011	1.277453	1.897591	2.190279	1.876113	1.177011	1.878239	1.461048
NA	ENSG0000	-0.36658	1.945507	-2.33167	0.031911	0.0727	-3.9791	2.296082	2.693541	2.681399	2.48816	2.490996	2.557474	2.412257	2.596487	2.643847	2.558849	2.303453	2.34226	1.935792	1.766169	2.036756	1.681967	1.795362	2.119598
AL133467.	ENSG0000	-0.03988	-1.37252	-0.29331	0.772743	0.840808	-6.19917	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	2.155072	2.055402	1.797417	2.06228	1.876113	2.095813	1.707432	1.973284
AC009061.	ENSG0000	-0.00957	-0.18232	-0.02678	0.97894	0.986001	-6.02951	1.475543	0.736739	0.756332	0.52061	0.625525	0.657796	1.074544	1.301009	1.0941	1.239286	0.640699	1.219002	1.218025	1.16289	1.046067	0.576451	1.024588	1.115245
AC127502.	ENSG0000	0.064467	1.191755	0.252305	0.803748	0.864441	-6.10774	3.300651	3.273623	3.296854	3.123142	2.835252	2.998412	3.115825	3.711575	3.323715	0.934589	1.152172	0.846782	0.562188	0.26996	0.707101	1.058946	0.871168	0.734116
NA	ENSG0000	0.491369	0.662366	2.713224	0.014507	0.039058	-3.0548	1.826927	2.125186	1.706811	1.688986	1.2379	1.526279	2.226405	1.988058	2.005764	0.982259	1.029669	0.807652	0.787801	0.888753	1.046067	1.214313	1.478665	1.322858
MIR222HG	ENSG0000	-0.63644	0.590519	-2.74537	0.013555	0.037093	-3.07376	1.602421	1.277811	1.453818	1.104644	0.730585	0.657796	0.548589	0.915275	0.629397	1.940223	2.032826	1.718241	1.99126	1.897007	1.801384	1.45147	1.645686	2.06284
AC004918.	ENSG0000	-0.25975	0.301908	-1.28575	0.215303	0.323819	-5.31744	1.12723	1.277811	1.146821	1.104644	1.006428	0.830331	0.886508	1.301009	1.171446	1.423238	1.529011	1.219002	1.365252	1.203912	1.284217	1.354562	0.816175	1.416439
NCBP2AS2	ENSG0000	-0.34569	4.522824	-6.27978	7.31E-06	0.000101	3.607819	4.073915	4.073175	4.065319	3.647423	4.081169	3.818042	3.676552	3.659726	3.655245	5.449962	5.43203	5.645805	5.295224	5.260752	5.264758	5.249139	5.19577	5.167806
NA	ENSG0000	0.0833	0.332144	0.357014	0.725355	0.805366	-5.99676	1.336422	0.940485	0.898566	1.634586	1.437317	1.310092	1.317361	1.430416	1.445026	0.982259	1.265082	1.305813	1.27873	1.282615	1.046067	0.884806	1.2488	0.805046
AC097359.	ENSG0000	-0.51073	0.972816	-2.13656	0.047049	0.098867	-4.19846	1.990546	2.125186	2.079636	1.022291	1.006428	1.250575	1.648695	0.915275	1.564539	1.732907	1.752042	1.653508	1.733794	1.921808	1.749324	1.627702	1.645686	1.504318
NBPF8	ENSG0000	0.332106	3.085752	2.987494	0.008087	0.024511	-3.00642	2.965042	2.950996	3.176339	3.342644	2.881616	3.069023	3.315502	3.160038	3.181386	3.155466	3.398501	2.920951	3.442811	3.366191	3.707028	3.462853	3.404065	3.669942
POC1B-AS	ENSG0000	-0.70539	-0.1174	-3.29649	0.004138	0.014487	-1.9074	0.667115	0.736739	0.598525	1.022291	1.006428	0.563119	0.269385	0.509405	0.256032	1.457372	1.699433	1.718241	1.597456	1.622273	1.639204	1.320757	1.289746	1.370407
HMGN3-AS	ENSG0000	-0.03781	0.220211	-0.23184	0.819352	0.87626	-6.18539	0.587539	0.499412	0.421314	0.742604	0.625525	0.657796	0.782422	0.622068	0.629397	1.676063	1.777644	2.136592	2.329284	1.993753	2.200805	1.734264	1.67689	1.703111
AC010680.	ENSG0000	0.121999	-0.38174	0.541545	0.594968	0.69861	-6.02032	0.216396	0.215206	0.512639	0.258133	0.512209	0.3528	0.269385	0.509405	0.515351	1.840286	1.827525	1.413989	2.096181	1.897007	2.058312	1.599785	1.795362	1.461048
NBPF14	ENSG0000	0.252128	2.882463	2.39644	0.027984	0.065587	-4.05	3.128595	2.935191	3.25779	3.290819	3.426184	3.700636	3.370387	3.462004	3.572114	2.620402	2.792142	2.592986	3.141522	2.863205	2.98783	2.692858	2.784842	2.778299
TAF15	ENSG0000	-0.33988	7.926122	-5.61038	2.82E-05	0.000282	1.901951	8.390339	8.456676	8.413866	7.757836	7.735919	7.841459	7.753846	7.907921	7.934142	8.009326	7.980164	8.064666	7.646187	7.635325	7.611632	7.872928	7.838066	7.93171
AC079610.	ENSG0000	-0.39591	-1.04788	-1.26179	0.223603	0.333484	-5.30165	0.41387	0.410755	0.219246	0.258133	0.106501	0.2349	0.106501	0.387194	0.256032	1.028404	1.403073	1.439812	1.473091	1.946191	1.639204	1.058946	1.024588	1.222783
YTHDF3-AS	ENSG0000	-0.557	0.084081	-2.22637	0.039406	0.085912	-3.9754	0.882475	1.277811	0.898566	0.258133	0.512209	0.746642	0.415731	1.082132	1.01237	1.676063	1.644832	1.820066	1.392977	1.560439	1.456457	1.250674	1.478665	1.273688
AC005034.	ENSG0000	0.049571	3.215717	0.568383	0.577006	0.68406	-6.53415	3.701161	3.8803	3.81026	3.840029	3.709312	3.744443	4.011872	4.070428	3.69508	2.843296	2.924094	2.93917	3.048706	3.04352	2.942182	2.855159	2.895091	2.830235
AC010326.	ENSG0000	0.420377	0.628783	2.096609	0.050866	0.105135	-4.2007	0.667115	1.226787	1.088647	1.256461	1.087782	1.367251	0.983587	1.491012	1.564539	1.586365	1.369793	1.387696	1.667235	1.738515	1.667532	1.387593	1.581179	1.910335
LINC00221	ENSG0000	0.048359	-0.12326	0.64401	0.527931	0.641252	-6.63567	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.156676	4.107636	4.253631	3.937609	3.896925	3.910354	4.01601	4.30899	4.299055
AC016727.	ENSG0000	-0.27619	1.023283	-1.37067	0.187826	0.290215	-5.24129	1.561356	1.744817	1.406977	2.548252	2.03796	2.374422	1.317361	1.85606	1.873138	1.457372	1.529011	1.248523	2.009285	1.871771	1.900186	1.099384	0.975239	0.93723
H4C14	ENSG0000	0.125352	0.077841	0.686136	0.501629	0.61816	-5.98188	0.216396	0.316291	0.512639	0.635873	0.730585	0.746642	0.269385	0.509405	0.515351	1.840286	1.967585	1.951531	2.542344	2.344993	2.365487	2.095813	1.707432	2.003758
RASL10B	ENSG0000	1.479246	-0.29612	3.859134	0.001204	0.00543	-0.77189	1.602421	1.465573	1.744977	2.740812	2.229385	1.956998	2.667326	2.702788	2.697131	0.106501	0.185134	0.34382	0.610222	0.26996	0.593579	0.326864	0.358227	0.409347
LPP-AS2	ENSG0000	0.15128	1.114884	0.806886	0.430576	0.551849	-5.90126	1.519087	1.420874	1.453818	1.840866	1.556428	1.757653	2.058296	1.549165	1.727075	1.732907	1.435603	1.585733	2.178139	2.10622	1.826726	1.320757	1.851139	1.461048
AC016355.	ENSG0000	-0.06468	-0.28177	-0.2563	0.800708	0.862082	-6.10374	0.503316	0.215206	0.219246	0.742604	0.25478	0.746642	0.548589	0.253663	0.515351	1.616888	1.616737	1.858866	2.112949	2.039797	2.121111	1.45147	1.442809	1.58715
NA	ENSG0000	-0.19216	-0.07995	-1.06277	0.302351	0.421533	-5.59902	0.882475	0.582935	0.598525	0.395333	0.625525	0.461789	0.782422	0.824004	0.515351	1.787595	1.752042	1.46518	1.27873	1.428204	1.456457	1.627702	1.478665	1.222783
AC008555.	ENSG0000	0.495481	0.088332	2.886874	0.010034	0.029172	-2.81293	0.41387	0.410755	0.323815	0.395333	0.389229	0.746642	0.670238	0.387194	0.833554	1.76051	2.155072	1.653508	2.044674	2.127698	2.161508	2.154563	2.054898	2.174206
AC018647.	ENSG0000	0.006983	4.193167	0.098531	0.922632	0.949223	-7.13971	3.27548	2.674627	3.090013	3.605613	3.441741	3.59692	3.115825	3.178579	3.199964	5.376047	5.267851	5.265644	5.456648	5.558335	5.441254	5.302073	5.214498	5.274758
AP000526.	ENSG0000	0.118554	-0.19912	0.485989	0.633012	0.732114	-5.90143	0.667115	0.875715	0.512639	1.022291	0.730585	1.123626	0.670238	0.387194	0.735084	1.073118	0.986408	0.993481	1.308151	1.766169	1.08859	1.286141	1.16325	1.058313
AC004130.	ENSG0000	0.004594	1.505859	0.017715	0.986067	0.990937	-6.32091	1.959273	1.978677	1.888281	1.578054	1.498102	1.956998	1.917967	2.220554	2.34318	1.91588	1.725977	1.759838	2.357702	2.596763	2.743612	1.65509	1.82352	1.504318
ARMCX5-G	ENSG0000	0.373256	1.216014	2.712032	0.014543	0.039112	-3.13118	1.519087	1.420874	1.54317	2.181668	2.078331	2.196611	1.70672	1.85606	1.777424	1.787595	1.435603	1.439812	1.858352	1.766169	1.826726	1.903678	1.645686	1.665483
TMCC1-AS	ENSG0000	-0.44641	1.132134	-1.889	0.075601	0.143802	-4.52327	1.681202	2.258179	2.194417	2.688367	2.605925	2.455733	1.588238	1.430416	2.376228	1.616888	1.300837	1.387696	1.573426	1.203912	1.550722	1.017342	1.072305	1.222783
SRXN1	ENSG0000	0.010846	-0.16089	0.030184	0.976262	0.984348	-5.90863	1.927307	2.125186	2.221741	1.791994	1.996426	1.367251	1.867984	1.710758	2.005764	0.190076	0.524532	0.594297	0.294634	0.612281	0.263213	0.738851	0.504542	0.497646
AL117336.	ENSG0000	0.572119	0.20332	2.004039	0.060815	0.121146	-4.21493	1.430644	1.173893	1.202741	1.578054	1.373859	1.475193	1.816207	1.809233	1.50602	0.669294	0.941811	0.449284	1.524131	1.120667	0.862212	0.738851	0.924142	0.734116
HTATSF1P	ENSG0000	0.294332	1.982897	1.638813	0.119127	0.204795	-5.07262	2.949211	2.802095	2.830836	3.142765	3.260629	3.349911	3.072345	3.462004	2.892531	1.676063	1.699433	1.780195	1.420179	1.282615	1.456457	1.809319	1.82352	2.003758
AL451085.	ENSG0000	-0.17078	-0.57718	-0.58365	0.566913	0.676486	-5.90737	0.318509	0.316291	0.421314	0.395333	0.25478	0.657796	0.548589	0.509405	0.106501	1.52331	1.403073	1.277453	1.838325	1.681564	2.10048	1.45147	1.289746	1.058313
NBPF19	ENSG0000	0.144323	3.48521	1.457709	0.162655	0.260515	-5.80618	3.498536	3.638208	3.431666	3.51817	3.132285	3.560621	3.774765	3.773871	3.557782	3.599408	3.668598	3.419749	3.825085	3.799921	3.886451	3.737235	3.651889	3.571657
NBPF10	ENSG0000	0.075528	1.827912	0.567065	0.577881	0.684698	-6.26704	1.826927	2.179863	2.274882	1.840866	1.817192	2.346268	2.144798	2.481727	2.408535	2.263275	2.372288	2.228347	2.28558	2.190279	2.312654	2.173627	2.233409	2.226823
NA	ENSG0000	-0.06513	2.581043	-0.44885	0.659056	0.754395	-6.4399	3.128595	3.057038	2.933559	3.425084	2.970101	3.560621	2.480375	2.650616	3.044176	2.510897	2.469748	2.396013	2.822733	2.642244	2.730245	2.494877	2.518186	2.880366
CCL5	ENSG0000	0.339029	1.43146	1.31184	0.206544	0.312859	-5.61391	2.416107	2.470453	2.109199	1.326771	1.373859	0.909432	1.648695	1.605065	1.38134	2.204194	2.011405	2.136592	1.365252	1.560439	1.639204	2.990321	3.138674	2.760563
Z83843.1	ENSG0000	0.184127	0.449351	0.628573	0.537757	0.649752	-5.83879	1.475543	1.631689	1.146821	1.840866	1.556428	2.196611	1.525136	1.231675	2.239236	0.934589	1.190799	0.54756	1.27873	1.282615	1.17005	0.738851	0.816175	0.93723
LIX1L	ENSG0000	-0.40746	2.430991	-2.30434	0.033718	0.076072	-3.91305	5.533718	5.549286	5.506038	5.227586	4.998178	5.242382	5.099133	5.178875	5.150819	1.278001	1.112482	0.993481	0.5125	0.888753	0.651457	1.017342	0.871168	0.659518
MILR1	ENSG0000	0.21449	2.238838	2.967337	0.008445	0.025429	-3.11805	1.336422	1.551021	1.358564	1.326771	1.164793	1.188496	1.867984	1.760835	1.727075	3.75845	3.947677	3.93295	3.442811	3.462307	3.571181	4.062774	4.088867	3.914098
AC112220.	ENSG0000	-0.13122	0.751767	-0.608	0.551008	0.661609	-6.16899	1.12723	1.118985	1.358564	0.395333	0.512209	1.055701	1.240874	1.001115	0.925731	2.01088	2.249583	2.136592	1.897591	2.127698	2.23906	2.075685	1.737342	2.464474
IRF2-DT	ENSG0000	0.050284	1.03178	0.368694	0.716784	0.799464	-6.35395	0.587539	0.940485	1.028027	0.742604	1.164793	1.123626	0.983587	0.622068	0.833554	2.494552	2.618839	2.30059	2.940139	2.985883	2.846311	2.448672	2.585506	2.528753
AC008608.	ENSG0000	-0.31768	-0.13511	-1.33934	0.197618	0.302013	-5.24635	1.010037	0.582935	0.829201	0.635873	0.625525	0.3528	0.415731	0.726566	0.833554	1.352446	1.228418	1.67541	1.573426	1.2438	1.610309	1.250674	1.368306	1.115245
AL355802.	ENSG0000	-0.13801	0.564232	-0.56903	0.576574	0.68389	-5.93204	1.861169	1.81559	1.585853	1.634586	1.612488	1.123626	2.01302	1.988058	1.962896	1.315703	1.403073	0.993481	0.828978	1.032323	1.046067	1.058946	0.871168	0.659518
AL118558.	ENSG0000	-0.62415	-0.35335	-2.73818	0.013763	0.037502	-2.98517	0.587539	0.8079	0.512639	0.258133	0.512209	0.563119	0.269385	0.509405	0.515351	1.388276	1.403073	1.538714	1.878105	1.738515	1.749324	1.017342	1.118494	1.170016
PLS3-AS1	ENSG0000	-0.66054	0.007415	-2.61577	0.017798	0.045823	-3.16443	1.519087	1.374745	1.585853	1.393812	1.087782	1.422231	1.160105	0.622068	1.171446	0.7264	1.152172	1.158083	0.828978	0.671977	0.707101	0.789161	0.759002	0.999041
AC034236.	ENSG0000	-0.56972	-0.14781	-2.44848	0.025161	0.06027	-3.50829	0.947665	1.002471	1.256574	0.395333	0.730585	0.563119	0.548589	0.824004	1.01237	1.028404	1.403073	1.49011	1.218025	1.2438	1.08859	1.058946	1.024588	0.93723
AC012073.	ENSG0000	0.564602	0.361665	2.285434	0.035022	0.07832	-3.85338	1.235614	0.8079	1.358564	1.256461	0.730585	0.984419	1.966276	1.710758	1.38134	1.457372	1.435603	1.277453	1.054048	0.671977	0.651457	1.784732	1.289746	1.546329
AC012467.	ENSG0000	0.182298	1.301273	1.133048	0.272498	0.389287	-5.5946	1.561356	1.849715	1.744977	2.393052	2.490996	2.402038	1.867984	1.85606	1.620777	1.616888	1.467416	1.439812	1.916818	1.622273	1.970087	1.903678	1.547811	1.504318
ANKRD34A	ENSG0000	0.34807	1.199334	2.4985	0.022702	0.055625	-3.60149	1.286899	1.327092	1.30847	1.74141	1.718467	1.475193	1.389995	1.15884	1.50602	2.14259	1.8028	1.800268	2.062048	2.148862	1.970087	2.247458	2.274787	2.252429
GTF2H5	ENSG0000	-0.46032	4.906813	-6.26953	7.46E-06	0.000103	3.616879	5.741006	5.816305	5.668751	5.20443	5.119213	5.183924	5.213624	5.183472	5.165072	4.707004	4.658809	4.763423	4.467344	4.577331	4.62479	4.46216	4.237539	4.45606
AL365181.	ENSG0000	-0.39061	4.385332	-5.12535	7.75E-05	0.000621	1.295375	4.369865	4.474101	4.515184	4.052041	4.368438	4.279122	4.090259	4.324646	4.396744	5.021274	4.77459	4.758301	4.645023	4.51757	4.558265	4.315393	4.432969	4.311289
AC005618.	ENSG0000	-0.06308	0.241432	-0.28378	0.779913	0.84596	-6.38455	0.318509	0.106501	0.421314	0.258133	0.389229	0.657796	0.548589	0.509405	0.256032	2.693825	2.741	2.522234	3.281595	3.213858	3.404467	2.368215	2.568968	2.350536
AC124045.	ENSG0000	0.258813	0.750378	0.968261	0.346123	0.467238	-5.65844	1.602421	1.670392	1.202741	1.519216	1.909591	1.623325	2.226405	2.108984	1.727075	1.199504	1.403073	0.993481	1.446877	1.357245	1.355599	1.214313	0.69947	1.273688
AC004233.	ENSG0000	-1.00043	-0.3265	-4.1625	0.000619	0.003176	-0.2522	0.318509	0.582935	0.323815	0.258133	0.25478	0.106501	0.106501	0.387194	0.106501	2.620402	2.42184	2.87437	2.694919	2.837366	2.647333	2.013561	1.737342	1.942153
AC025181.	ENSG0000	-1.28743	-0.14991	-4.25633	0.000504	0.002715	1.89E-05	0.503316	0.736739	0.756332	0.52061	0.625525	0.909432	0.106501	0.106501	0.256032	2.14259	2.155072	2.382761	1.954519	1.946191	1.695314	1.809319	1.82352	1.370407
AL691432.	ENSG0000	-0.6353	1.425367	-2.90928	0.009564	0.028076	-2.91653	0.742531	0.875715	0.964748	1.634586	1.612488	1.475193	1.525136	0.726566	1.445026	3.024981	3.1855	3.149392	3.004458	3.04352	2.821313	2.368215	2.212266	2.252429
AL390719.	ENSG0000	0.27369	-1.21868	1.370893	0.187757	0.29014	-5.29466	0.216396	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.616888	1.875739	1.46518	2.357702	2.250257	2.18129	1.708352	1.851139	2.14716

LYRM4-AS	ENSG0000	1.101815	0.505173	4.891922	0.000127	0.000915	1.26877	0.503316	0.582935	0.323815	1.840866	1.556428	1.880533	0.782422	0.915275	0.925731	1.239286	1.335727	1.158083	2.270712	2.250257	2.200805	1.992244	1.930959	1.665483
ARF4-AS1	ENSG0000	-0.41978	-0.04738	-1.68732	0.109305	0.19177	-4.78755	1.12723	1.173893	1.406977	0.258133	0.625525	0.830331	0.548589	0.824004	1.0941	1.158593	1.435603	1.46518	1.054048	1.077171	1.046067	1.286141	1.206659	1.273688
NBPF25P	ENSG0000	-0.00555	0.130722	-0.02009	0.9842	0.990029	-6.01978	1.336422	1.061904	0.829201	1.519216	1.612488	1.575618	0.670238	1.082132	1.38134	1.199504	0.986408	0.884879	0.907968	0.784432	1.17005	1.13872	0.975239	0.93723
CASC15	ENSG0000	-0.22554	2.116512	-1.61759	0.123655	0.210849	-5.11075	2.850396	2.819419	2.794903	3.392671	3.34578	3.786958	2.513265	2.916694	2.697131	1.787595	2.095243	1.877881	2.129525	2.190279	2.121111	1.708352	1.645686	1.58715
AL024508.	ENSG0000	1.280803	1.087284	5.689529	2.39E-05	0.000247	2.834684	0.503316	0.499412	0.323815	1.519216	1.718467	1.188496	1.70672	1.082132	1.38134	2.243849	2.115463	2.021603	2.749557	2.398985	2.661487	2.843302	2.985098	2.830235
NUP153-A	ENSG0000	-0.55984	0.381453	-1.81647	0.086489	0.159423	-4.69533	1.681202	1.508929	1.818408	0.52061	0.92021	0.2349	0.983587	0.824004	1.50602	1.676063	1.827525	1.759838	1.524131	1.2438	1.002253	1.627702	1.878239	1.058313
ILRUN-AS1	ENSG0000	-0.67847	0.953259	-4.54945	0.000266	0.001622	0.581682	1.519087	1.508929	1.358564	1.578054	1.498102	1.526279	1.160105	0.824004	1.314712	1.98771	2.032826	1.951531	1.99126	2.039797	1.876113	1.681967	1.645686	1.170016
TTC23L-AS	ENSG0000	-0.36222	0.087358	-1.22117	0.238241	0.350218	-5.31358	1.286899	0.875715	1.028027	1.182548	1.2379	1.250575	0.269385	1.082132	0.833554	1.158593	1.112482	0.807652	1.776519	1.428204	1.722572	1.058946	1.072305	0.872651
NUDT3	ENSG0000	-0.07672	6.280417	-1.50177	0.151006	0.246001	-6.29188	6.229625	6.242742	6.260891	6.426761	6.452019	6.52934	6.225168	6.291095	6.148055	6.279458	6.376718	6.393892	6.269712	6.307765	6.267734	6.215985	6.182599	6.292079
KMT2B	ENSG0000	-0.04341	6.646179	-1.05243	0.306938	0.426384	-6.89803	6.668371	6.686868	6.823565	6.367536	6.444317	6.549545	6.734246	6.577961	6.696557	6.760699	6.782867	6.763989	6.672421	6.566546	6.587016	6.745817	6.741171	6.729381
AC093297.	ENSG0000	-0.15297	2.467472	-1.39426	0.180711	0.282409	-5.50806	3.385444	3.526613	3.431666	3.647423	3.517104	3.419122	3.19904	3.491964	3.340558	2.033684	2.174476	2.07201	2.270712	2.21055	2.036756	2.173627	1.82352	1.739782
AL137003.	ENSG0000	-0.3231	1.271139	-1.57441	0.133319	0.223186	-5.10015	1.12723	1.465573	1.62731	1.326771	2.03796	1.840725	1.160105	1.549165	1.564539	2.121457	1.875739	1.896649	2.872818	2.714997	2.743612	1.512637	1.581179	1.703111
AL031775.	ENSG0000	0.117021	0.146236	0.656123	0.52029	0.634677	-5.79174	1.12723	1.277811	1.54317	1.393812	1.612488	1.575618	1.389995	1.15884	1.564539	0.7264	0.848253	0.846782	1.018891	0.938214	0.760679	0.789161	0.975239	0.805046
POM121C	ENSG0000	-0.27706	6.574314	-6.02427	1.22E-05	0.000149	2.866677	7.191752	7.190625	7.317944	6.31012	6.325656	6.391483	6.989306	6.850766	6.928692	6.68889	6.586815	6.682517	6.02922	5.920171	5.983596	6.469374	6.355279	6.41763
CD24	ENSG0000	0.013262	8.944471	0.258569	0.798988	0.860567	-7.57945	9.040531	9.037969	9.022898	9.75404	9.699638	9.668159	8.851779	8.952603	8.882547	8.32428	8.26447	8.314964	9.249977	9.308104	9.295225	8.466832	8.415426	8.508586
AL365181.	ENSG0000	-0.34664	6.354194	-4.29351	0.000464	0.002542	-0.75855	7.620049	7.562636	7.710996	6.8048	6.882225	6.786691	7.193345	7.205184	7.123745	5.764766	5.639998	5.680063	5.458289	5.341097	5.511308	5.482982	5.581058	5.414576
LINC01145	ENSG0000	0.471325	1.530431	3.828121	0.001289	0.005737	-1.03346	0.947665	1.226787	1.146821	1.578054	1.556428	1.575618	1.160105	1.430416	1.0941	2.664903	2.453955	2.382761	3.141522	2.784257	2.895043	2.819293	2.99751	3.021085
AL135925.	ENSG0000	-0.21921	-0.07938	-0.74546	0.465902	0.585835	-5.76208	0.947665	0.736739	1.358564	0.635873	1.2379	0.830331	0.548589	0.622068	0.833554	0.7264	1.300837	1.158083	1.154653	1.591687	1.320349	1.387593	0.924142	0.999041
MRPL20-D	ENSG0000	-0.15772	1.842344	-1.22314	0.237514	0.349402	-5.84944	1.602421	1.780637	1.987129	1.182548	1.612488	1.422231	1.389995	1.549165	1.564539	3.322191	3.055486	2.826234	2.812503	2.700737	2.883013	2.77004	2.947209	3.279535
U91328.1	ENSG0000	-0.06141	1.395668	-0.37586	0.711543	0.7953	-6.2806	1.927307	1.551021	1.818408	1.688986	1.556428	1.310092	1.648695	1.658879	1.445026	2.078238	1.875739	2.055402	2.225168	2.363215	2.675503	2.055273	1.981819	2.06284
AL645608.	ENSG0000	-0.20044	0.391003	-0.83106	0.417147	0.538915	-5.79327	1.18244	1.670392	1.499186	1.182548	0.92021	1.188496	1.70672	0.915275	1.620777	1.457372	1.435603	1.653508	0.656707	0.888753	0.760679	1.627702	1.2488	1.115245
AC036214.	ENSG0000	-0.03527	0.446093	-0.1909	0.850804	0.899429	-6.07281	1.602421	1.465573	1.62731	0.934951	1.666451	1.367251	1.588238	1.367163	1.564539	1.028404	1.112482	1.158083	1.186687	0.986036	1.002253	0.930351	1.206659	1.222783
LINC01023	ENSG0000	-0.46682	-0.03311	-2.37822	0.02904	0.067474	-3.69231	0.503316	0.661886	0.421314	0.742604	0.730585	0.461789	0.670238	0.622068	0.256032	1.814181	1.699433	1.951531	1.878105	1.921808	1.900186	1.45147	1.613793	1.222783
GTF2IP13	ENSG0000	-1.19981	1.928466	-6.60973	3.84E-06	6.10E-05	4.57472	3.114469	3.196163	3.39613	1.840866	2.117603	1.669505	1.389995	1.901414	2.239236	2.708071	2.900983	2.682227	2.027088	1.846087	2.141451	2.211015	1.981819	2.06284
NA	ENSG0000	1.374208	0.175018	4.849584	0.000139	0.000986	1.153718	0.587539	0.940485	0.898566	1.519216	1.953662	1.669505	1.966276	1.760835	2.202855	0.7264	0.524532	0.846782	1.054048	1.032323	0.862212	0.789161	0.871168	1.170016
AC016394.	ENSG0000	-0.77892	0.407789	-3.95652	0.000972	0.004577	-0.62717	1.755904	1.465573	1.744977	0.742604	0.730585	0.3528	1.074544	1.15884	0.833554	2.056133	1.827525	1.839597	1.054048	1.357245	1.046067	1.482378	1.613793	1.322858
ZNF595	ENSG0000	0.02117	4.452405	0.237686	0.814888	0.872994	-7.15539	3.774862	3.920993	3.726899	3.851999	3.772191	3.926609	3.405851	3.761625	3.82044	5.402569	5.459973	5.388409	4.863895	4.907298	5.071593	5.440329	5.496136	5.526375
AC073073.	ENSG0000	0.823392	0.205681	2.564936	0.019786	0.049913	-3.2818	0.814199	0.661886	0.421314	1.393812	1.817192	1.575618	1.459147	1.231675	1.564539	1.239286	1.029669	1.126631	0.982856	1.120667	1.129895	1.13872	1.368306	0.999041
PPP4R3B-D	ENSG0000	-0.91135	0.140146	-4.61627	0.00023	0.001449	0.723376	0.742531	0.582935	0.829201	0.395333	0.730585	0.909432	0.782422	0.509405	0.39151	1.98771	1.989662	2.30059	1.621093	1.846087	2.014873	1.419885	1.329561	1.370407
AFAP1-AS1	ENSG0000	0.215594	2.385639	3.21795	0.004911	0.016649	-3.13213	0.216396	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.509405	0.256032	8.046942	8.102018	8.080911	7.737551	7.646993	7.712369	8.30038	8.235556	8.267357
AC010735.	ENSG0000	-0.10797	-0.27322	-0.37767	0.710225	0.794388	-6.30457	0.742531	0.582935	0.679585	0.106501	0.25478	0.106501	0.269385	0.106501	0.39151	2.243849	2.115463	2.198406	2.357702	2.016959	2.18129	2.247458	2.354144	2.374055
DOC2B	ENSG0000	0.501055	1.279532	2.082769	0.052253	0.107377	-4.08677	6.673197	6.641322	6.757422	7.774441	7.873478	7.903155	7.207231	7.100902	7.229256	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.183756	0.106501	0.106501
GTF2IP20	ENSG0000	-0.6424	2.486106	-4.4375	0.000339	0.001981	0.236264	3.487617	3.382531	3.736403	3.103249	2.787348	3.016392	2.884002	2.596487	2.981126	2.47802	2.741	2.355887	2.479079	2.565626	2.312654	1.948641	2.315011	2.226823
AL358472.	ENSG0000	0.100918	0.152587	0.460953	0.650517	0.747142	-6.01607	0.41387	0.736739	0.756332	1.182548	1.164793	0.563119	0.670238	0.726566	0.833554	1.52331	1.588084	1.387696	1.689764	1.846087	1.488568	1.571317	1.289746	1.546329
POLR2J4	ENSG0000	0.294947	2.288351	2.220815	0.039843	0.086772	-4.22336	3.128595	2.886707	3.075109	2.518519	3.033076	3.18484	3.352323	3.232814	3.543305	2.121457	1.989662	1.933468	2.044674	2.10622	2.058312	2.192442	2.101639	2.091498
AC012306.	ENSG0000	0.135529	0.450631	0.61406	0.547086	0.657973	-5.91247	1.18244	0.940485	0.964748	1.393812	1.2379	1.840725	0.983587	1.15884	0.629397	0.934589	1.152172	1.46518	1.776519	1.652223	1.749324	1.482378	1.2488	1.461048
PCDHB16	ENSG0000	0.414055	1.528504	1.895796	0.074646	0.142346	-4.8539	0.814199	0.410755	0.679585	2.063099	1.666451	1.919272	0.886508	0.726566	0.39151	3.058725	2.935512	2.974933	3.746669	3.67419	3.837423	3.366734	3.37582	3.444131
WASL-DT	ENSG0000	0.057085	2.423628	0.433065	0.670265	0.762844	-6.52149	2.051128	1.883052	1.818408	2.181668	2.549605	2.346268	2.446718	2.389238	2.408535	3.047564	2.889287	3.125724	3.532792	3.745389	3.486261	2.794876	2.895091	2.960231
AP005329.	ENSG0000	-0.56278	0.545309	-3.46391	0.002869	0.010863	-1.66968	0.667115	0.875715	1.146821	0.841981	0.512209	0.830331	0.670238	0.824004	0.735084	2.30136	2.032826	2.396013	2.009285	2.363215	2.10048	1.784732	1.766644	1.739782
AC073107.	ENSG0000	-0.11039	0.087356	-0.48289	0.635165	0.733949	-5.91205	1.010037	1.002471	1.146821	0.841981	1.556428	1.250575	0.886508	1.001115	1.38134	0.834246	1.152172	1.158083	1.308151	0.986036	1.17005	0.789161	1.118494	0.872651
HK2-DT	ENSG0000	0.227589	1.877958	1.720054	0.103079	0.182924	-5.00138	2.021155	1.780637	1.62731	2.425456	2.605925	2.317553	2.480375	2.220554	2.005764	1.98771	2.267764	2.314614	2.579013	2.596763	2.559363	2.192442	2.254246	2.14716
ADIRF-AS1	ENSG0000	0.215293	-0.09816	0.573134	0.573855	0.682007	-6.06276	0.814199	0.736739	0.829201	0.395333	0.106501	0.2349	0.415731	1.231675	1.0941	1.278001	1.467416	1.631268	1.689764	1.921808	1.900186	1.286141	1.82352	1.844513
WDR5B-DT	ENSG0000	-0.15091	0.662731	-0.67686	0.507356	0.623223	-5.95606	0.667115	1.061904	1.088647	1.022291	1.087782	1.367251	1.074544	0.915275	1.50602	1.555182	1.699433	1.718241	2.371704	2.363215	2.18129	1.286141	1.368306	1.461048
AC103702.	ENSG0000	-0.50572	-1.69846	-1.73383	0.100551	0.179603	-4.50198	2.137484	2.37994	2.326135	2.021307	2.398361	2.064596	1.525136	2.255906	1.38134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC245060.	ENSG0000	0.259351	0.841886	1.302886	0.209519	0.316522	-5.33618	1.681202	1.883052	2.248556	1.578054	1.498102	1.993763	2.01302	2.420731	1.777424	1.388276	1.265082	0.921995	0.982856	1.077171	0.910419	1.320757	1.368306	1.370407
AC015712.	ENSG0000	-0.21654	-0.98311	-1.48237	0.156049	0.252253	-5.28443	0.106501	0.215206	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.461296	2.267764	2.243088	2.300295	2.250257	2.465679	2.095813	2.33471	2.14716
U62317.1	ENSG0000	0.348256	0.872718	1.76498	0.095033	0.171727	-4.76536	1.430644	1.420874	1.358564	1.688986	1.666451	1.250575	1.525136	1.760835	1.620777	1.940223	1.699433	1.248523	1.27873	1.077171	1.209118	1.880661	1.707432	1.81044
AC027644.	ENSG0000	-0.01153	2.711918	-0.09911	0.922178	0.948893	-6.67168	2.483604	2.448351	2.166567	2.714828	2.835252	2.675323	2.26554	2.420731	2.643847	3.036317	3.406729	3.157196	3.456014	3.852467	3.86826	3.290193	3.058015	3.065099
MAP3K4-A	ENSG0000	0.341855	0.553161	1.169277	0.257992	0.373053	-5.54334	0.503316	0.499412	0.679585	1.326771	1.373859	1.623325	1.074544	0.622068	0.833554	1.814181	1.989662	1.969371	1.689764	1.681564	1.667532	2.192442	1.795362	2.091498
DCP1A	ENSG0000	-0.11393	5.439523	-2.32821	0.032135	0.073114	-4.84114	5.743303	5.585177	5.600136	4.921675	4.966263	4.72957	5.609312	5.6164	5.420081	5.844313	5.92128	5.821823	5.140267	5.188499	5.212843	5.675823	5.802349	5.742817
CHASERR	ENSG0000	0.187292	3.756441	1.782846	0.091988	0.167223	-5.37265	3.349713	3.638208	3.618004	3.944346	3.89028	4.241401	4.174919	4.080322	3.783962	3.812196	3.975599	3.707046	3.913883	4.011117	4.051393	3.749992	3.876817	3.734962
MIOS-DT	ENSG0000	-0.0704	0.558881	-0.30084	0.767086	0.836615	-6.30622	1.642349	0.940485	1.088647	0.395333	0.389229	0.746642	0.983587	0.622068	0.515351	2.263275	2.095243	1.915176	2.079215	2.084417	1.900186	2.400938	2.054898	2.277588
ATP6V1FN	ENSG0000	1.177741	0.273752	5.038297	9.32E-05	0.000717	1.515393	1.069823	1.118985	0.964748	1.791994	1.718467	1.475193	2.226405	1.809233	1.826075	0.483018	0.583785	0.807652	1.27873	1.320413	0.862212	0.930351	0.871168	1.058313
AC009237.	ENSG0000	-0.09062	-0.2804	-0.90686	0.376812	0.4993	-6.28384	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.479955	3.494263	3.585074	4.033205	3.871689	4.035179	3.39137	3.511821	3.398988
NA	ENSG0000	0.289774	1.050104	1.690558	0.108676	0.190954	-5.01423	0.503316	0.582935	0.756332	1.326771	1.006428	1.422231	0.983587	1.301009	1.244857	2.461296	2.338281	2.213454	2.921223	2.875953	2.76998	2.300453	2.37332	2.252429
C2orf49-D	ENSG0000	-0.14701	2.18343	-0.94203	0.359019	0.480909	-6.18148	2.218961	2.039077	2.018628	1.519216	1.666451	1.526279	2.513265	2.568641	2.309357	3.08079	3.096753	3.141546	2.940139	3.04352	3.042931	2.75746	2.665466	2.944608
AL360270.	ENSG0000	-0.11695	-0.31408	-0.52984	0.602888	0.705466	-6.00449	0.742531	0.582935	0.421314	0.258133	0.512209	0.2349	0.548589	0.509405	0.629397	1.704765	1.435603	1.439812	1.473091	1.710321	1.610309	1.250674	1.442809	1.58715
AC018645.	ENSG0000	0.150108	1.802071	0.92098	0.369599	0.49143	-5.83153	3.085796	3.286138	3.133821	3.753334	3.378481	3.744443	3.315502	3.506713	3.218306	1.073118	1.265082	1.305813	1.27873	1.077171	1.423614	1.017342	1.289746	1.370407
AC008124.	ENSG0000	0.002508	3.202228	0.022442	0.98235	0.988667	-6.91121	2.296082	2.425906	2.049454	2.48816	2.737798	2.904994	2.412257	2.938616	2.892531	4.156676	4.287703	4.335006	4.203356	4.143531	4.346819	4.175819	4.205799	3.930053
FAM106A	ENSG0000	-0.06568	-1.55549	-0.30784	0.761841	0.833103	-6.10994	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.787595	2.23117	1.305813	1.818016	1.591687	1.992654	1.542275	1.737342	1.416439
LINC02035	ENSG0000	0.879112	0.66191	4.588334	0.000245	0.001523	0.66709	0.882475	1.277811	0.898566	2.457149	2.193078	2.675323	1.525136	1.301009	1.38134	0.609835	0.89579	0.807652	1.916818	1.710321	1.992654	1.214313	1.289746	1.222783
NA	ENSG0000	0.264921	0.919089	0.986566	0.337317	0.458305	-5.59312	2.505419	2.206444	2.423483	2.97776	3.242978	3.510758	2.696258	2.540248	2.869505	0.934589	0.695454	0.683459	0.745413	0.986036	0.533283	0.517985	0.924142	0.734116
C2orf15	ENSG0000	-0.21668	0.106565	-0.86642	0.397999	0.519606	-5.9496	0.587539	0.661886	0.679585	0.395333	0.25478	0.3528	0.548589	0.509405	0.106501	1.98771	2.212518	2.152295	2.661114	2.729118	2.604018	2.075685	2.078458	2.174206
AL359921.	ENSG0000	-0.32935	0.117188	-1.74621	0.098326	0.176527	-4.60637	1.430644	1.374745	1.406977	1.393812	1.373859	1.475193	1.317361	1.082132	1.314712	0.781331	1.190799	0.683459	1.018891	1.032323	1.08859	0.686723	0.759002	0.659518
AL355987.	ENSG0000	0.095551	0.410759	0.436979	0.667477	0.760979	-6.1138	0.742531	1.374745	0.898566	0.635873	0.730585	0.657796	1.074544	1.710758	1.445026	1.646779	1.752042	1.780195	1.27873	1.495836	1.284217	1.734264	1.478665	1.416439
AL355312.	ENSG0000	-0.05835	-0.03254	-0.27175	0.789001	0.852765	-6.58519	0.318509	0.582935	0.421314	0.106501	0.106501	0.106501	0.106501	0.106501	0.39151	3.155466	2.946841	3.060643	3.36795	3.193633	3.387537	3.171932	3.138674	2.990979
NBPF26	ENSG0000	0.30184	1.721385	1.960605	0.066062	0.129277	-4.73363	1.384302	1.374745	1.54317	1.578054	1.087782	1.714252	1.867984	1.760835	1.244857	2.444376	2.935512	2.396013	3.108457	3.04352	3.021143	2.706012	2.854728	2.990979
LINC02604	ENSG0000	-0.96273	1.949771	-6.58027	4.07E-06	6.41E-05	4.519567	2.996191	2.674627	2.776595	1.978268	2.333126	2.22781	1.588238	1.605065	1.674905	2.527059	2.701418	2.682227	2.412911	2.433888	2.449456	2.135245	2.295039	2.033602
AL138963.	ENSG0000	-0.04918	2.357916	-0.33988	0.737998	0.815399	-6.48671	2.780548	2.655462	2.109199	2.887595	2.737798	2.258349	2.806512	2.676938	2.274723	2.804042	2.714733	2.604447	2.694919	2.938056	2.589286	2.639009	2.535313	2.570068
AC073957.	ENSG0000	-0.16223	-0.4276	-0.58057	0.568943	0.678	-6.22156	0.216396	0.410755	0.219246	0.258133	0.25478	0.3528	0.106501	0.106501	0.106501	2.83033	2.741	2.948194	1.711947	1.560439	1.610309	3.063688	2.985098	2.778299
AC006946.	ENSG0000	-0.03247	-1.62701	-0.15954	0.875071	0.916294	-6.07594	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	1.704765	1.467416	1.46518	1.644349	1.560439	1.390007	1.286141	1.442809	1.504318
AC104506.	ENSG0000	-0.51025	-0.95502	-1.4355	0.168799	0.267878	-5.09684	0.106501	0.410755	0.598525	0.258133	0.25478	0.2349	0.269385	0.106501	0.515351	1.646779	1.228418	1.696985	1.621093	1.652223	1.247156	1.13872	1.206659	1.058313
AC102953.	ENSG0000	-0.06565	4.525496	-0.84404	0.410053	0.531767	-6.62754	5.636146	5.512479	5.722344	5.355021	5.469652	5.30589	5.601686	5.633301	5.680369	3.851231	3.860515	3.759253	3.746669	3.576046	3.299771	3.623987	3.571152	3.669942
RAB33B-A	ENSG0000	0.258767	0.798623	1.515602	0.147497	0.241448	-5.11173	1.18244	0.8079	0.898566	1.393812	1.498102	1.475193	1.389995	1.430416	0.925731	1.840286	1.529011	1.514616	2.209661	1.993753	1.876113	1.571317	1.67689	1.81044
AC090114.	ENSG0000	-0.13228	2.240323	-1.07182	0.298377	0.417218	-5.99476	1.384302	1.883052	1.78216	2.48816	2.366112	2.719893	1.762502	1.605065	1.314712	3.024981	2.865607	3.109727	3.652319	3.813238	3.843644	2.719047	3.046116	2.975687
AP000350.	ENSG0000	0.239398	0.459315	1.059957	0.303593	0.42281	-5.56064	1.12723	1.002471	1.30847	0.841981	1.373859	1.475193	1.459147	1.301009	1.314712	1.028404	1.403073	1.061592	1.420179	1.462417	1.775589	1.099384	1.118494	1.504318
AC009237.	ENSG0000	0.590642	-1.56766	3.108451	0.006228	0.02007	-2.29689	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.423238	1.369793	1.061592	2.129525	2.398985	2.058312	1.734264	1.406038	1.844513
DGCR11	ENSG0000	0.241021	1.323782	1.535372	0.142596	0.234934	-5.16232	1.894617	1.744817	2.018628	1.74141	1.909591	1.422231	2.303642	2.220554	2.34318	1.940223	1.725977	1.585733	1.776519	1.681564	1.488568	1.681967	1.795362	1.703111
AC005229.	ENSG0000	0.07023	1.396345	0.358476	0.724281	0.804579	-6.1744	2.649532	2.655462	2.5366	2.181668	2.193078	1.993763	2.446718	2.255906	2.440135	1.457372	1.228418	1.061592	1.524131	1.591687	1.51998	1.482378	1.737342	1.461048
AC078846.	ENSG0000	0.175868	1.196082	1.138391	0.270321	0.386934	-5.7249	1.18244	1.118985	1.256574	1.022291	1.373859	1.188496	1.867984	1.491012	1.445026	2.18395	2.053933	2.16783	2.300295	2.451029	2.399663	1.992244	2.078458	2.302316
PAXIP1-DT	ENSG0000	-0.62582	2.056724	-4.6388	0.000219	0.001391	0.616666	1.642349	2.125186	2.079636	1.578054	1.864131	1.714252	1.70672	1.658879	1.674905	3.186323	3.390227	3.332842	2.949505	3.282491	3.299771	2.878584	2.813204	2.302316
TMEM167	ENSG0000	-0.08959	0.111775	-0.50053	0.622945	0.722878	-5.93591	0.814199	0.875715	0.598525	1.104644	1.164793	1.188496	0.782422	0.915275	0.515351	1.278001	1.300837	1.126631	1.755315	1.428204	1.722572	1.058946	1.329561	1.115245
NA	ENSG0000	0.33454	1.354842	2.273252	0.035888	0.079767	-4.03885	1.430644	1.81559	2.018628	1.519216	1.2379	1.623325	2.226405	2.147141	2.005764	2.100009	1.777644	1.969371	1.755315	1.681564	1.801384	2.247458	1.90484	2.14716
CWC25	ENSG0000	-0.26949	4.853335	-4.72615	0.000182	0.00121	0.361205	5.153322	5.095468	5.097747	4.797189	4.720591	4.834637	4.688362	4.630987	4.912549	5.04952	4.936777	5.070772	4.955062	4.866361	4.932613	4.790139	4.850589	4.894538
AC009283.	ENSG0000	0.094906	0.759287	0.543104	0.593917	0.697877	-6.02865	1.286899	1.226787	1.585853	1.326771	1.556428	1.526279	1.160105	1.301009	1.01237	1.586365	1.335727	1.277453	1.573426	1.710321	1.851631	1.419885	1.795362	1.703111
EPOP	ENSG0000	0.094379	3.592749	0.323707	0.750001	0.824949	-6.81398	3.936145	3.768792	3.726899	4.272916	4.621619	4.138446	3.632324	3.578282	3.468658	3.792275	3.754913	3.85832	2.781373	2.700737	2.513282	4.208537	4.145732	4.101878
ZNHIT3	ENSG0000	0.038611	5.5177	0.759856	0.457468	0.578301	-6.96813	5.883176	5.965765	5.86564	5.96359	5.891089	5.944959	6.070782	6.070587	6.069409	5.109782	5.224293	5.204822	5.176612	5.128506	5.110805	5.146741	5.08382	5.01537
AL121832.	ENSG0000	-0.92967	0.805747	-4.68675	0.000198	0.001289	0.839767	0.814199	0.940485	1.202741	0.934951	0.92021	0.830331	0.886508	0.726566	1.171446	2.338465	2.741	2.649405	2.300295	2.127698	2.647333	1.708352	1.851139	1.416439
AC091271.	ENSG0000	0.049311	0.358283	0.241401	0.812054	0.87094	-6.14754	0.947665	0.661886	0.679585	0.635873	1.006428	0.830331	1.160105	0.509405	1.01237	1.586365	1.435603	1.67541	2.027088	2.06228	2.23906	1.599785	1.442809	1.58715
LHX1	ENSG0000	0.993215	0.664776	2.196838	0.041783	0.090142	-4.21372	0.41387	0.106501	0.323815	1.457877	1.164793	1.422231	0.782422	0.253663	1.01237	2.722179	2.766797	2.766268	1.858352	2.190279	1.722572	3.39949	3.520448	3.340497
CYFIP1	ENSG0000	-0.26034	6.946283	-2.6622	0.01615	0.042518	-4.32928	7.761602	7.730002	7.781548	7.218288	7.298958	7.264901	7.346063	7.400467	7.450976	6.319445	6.507749	6.444195	6.648898	6.567528	6.700179	6.235393	6.330965	6.259301
AL136040.	ENSG0000	0.0627	-0.32556	0.244289	0.809851	0.869183	-6.06895	0.503316	0.582935	0.219246	0.742604	0.625525	0.2349	0.415731	0.726566	0.515351	1.423238	1.300837	1.60868	1.621093	1.793303	1.639204	1.354562	1.368306	1.370407
USP27X	ENSG0000	-0.1153	2.351872	-0.81341	0.426925	0.548722	-6.16375	2.609804	2.853456	2.558197	2.766336	2.991399	3.016392	2.303642	2.147141	2.376228	2.121457	2.632935	2.355887	3.039964	2.974074	2.98783	2.432936	2.315011	2.760563
TAF9	ENSG0000	-0.09865	6.529516	-1.63076	0.120828	0.207095	-6.12492	6.925625	6.932538	7.013379	6.789321	6.652507	6.711432	6.836875	6.833319	6.749541	6.286596	6.211608	6.19313	6.328324	6.387829	6.415981	6.144111	6.232019	6.183125
NOL12	ENSG0000	-0.47224	0.124672	-2.0963	0.050897	0.105153	-4.11363	1.12723	0.736739	1.146821	1.104644	0.730585	1.367251	0.782422	1.082132	0.833554	1.158593	1.498542	1.413989	1.420179	1.203912	1.284217	0.884806	1.2488	0.872651
LINC01138	ENSG0000	0.706531	2.267114	4.470924	0.000316	0.001868	0.238584	1.286899	1.173893	1.453818	2.633943	2.660129	2.22781	1.816207	1.658879	1.777424	2.856146	3.15652	2.966075	3.409264	3.544454	3.540876	3.52355	3.579432	3.753014
CASTOR2	ENSG0000	0.096027	1.281045	0.429398	0.67288	0.764452	-6.14526	1.384302	1.277811	1.62731	1.791994	2.398361	1.799787	1.70672	1.710758	1.727075	1.76051	1.335727	1.718241	2.738794	2.657091	2.513282	1.286141	1.707432	1.58715
AC020910.	ENSG0000	-0.96186	-0.21744	-4.02058	0.000844	0.004086	-0.45976	0.814199	1.118985	1.146821	0.258133	0.625525	0.461789	0.670238	0.622068	0.833554	1.555182	1.699433	1.538714	1.392977	0.986036	1.08859	1.099384	1.072305	0.734116
ALOX15P1	ENSG0000	-0.14613	-1.74489	-0.55908	0.583198	0.689106	-5.86214	0.106501	0.106501	0.323815	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.315703	1.07167	1.158083	1.473091	1.120667	1.355599	1.13872	1.118494	1.115245
AL035661.	ENSG0000	-0.17877	0.056699	-2.60657	0.018143	0.04651	-3.91343	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.464232	4.45175	4.472706	4.467344	4.671739	4.653399	4.21775	4.372311	4.177341
NATD1	ENSG0000	-0.025	1.19987	-0.05307	0.958279	0.973382	-6.05987	3.17016	3.042358	3.204003	4.072648	4.1009	4.121933	3.523527	3.535768	3.759121	0.88529	0.986408	0.846782	0.787801	1.077171	1.08859	0.326864	0.106501	0.497646
SOCS7	ENSG0000	-0.31235	5.897618	-6.6272	3.72E-06	5.94E-05	4.141509	6.362559	6.228223	6.334702	5.591153	5.411586	5.622881	5.904087	5.907876	5.923331	6.234645	6.261228	6.175948	5.637019	5.483259	5.578118	6.054394	5.911317	5.991156
AC009163.	ENSG0000	-0.11328	-0.85839	-0.33677	0.740299	0.817069	-6.06175	0.216396	0.106501	0.106501	0.52061	0.389229	0.3528	0.269385	0.253663	0.106501	1.91588	1.827525	1.915176	1.838325	1.428204	2.014873	1.571317	1.547811	1.546329
AC245297.	ENSG0000	0.137517	2.082093	0.803182	0.432657	0.553918	-6.27144	2.137484	2.232543	2.018628	1.978268	2.193078	1.575618	1.389995	2.220554	1.38134	2.943032	2.792142	2.948194	2.683738	2.565626	2.858649	3.181381	3.287607	3.352387
GAGE13	ENSG0000	-0.11239	-1.93138	-0.60816	0.5509	0.661536	-5.85829	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.388276	1.190799	1.562415	1.088368	1.428204	1.002253	1.250674	1.118494	1.170016
CBSL	ENSG0000	0.202474	1.904818	1.610864	0.12512	0.212685	-5.35343	1.755904	1.744817	1.54317	1.578054	1.164793	1.310092	2.058296	1.85606	2.202855	3.17611	2.687979	2.992487	2.717023	2.784257	2.76998	3.200096	3.034117	2.84714
H2BC6	ENSG0000	0.204469	1.236363	1.598415	0.127871	0.21634	-5.33918	0.318509	0.410755	0.756332	1.022291	0.92021	1.188496	0.782422	0.387194	0.833554	3.134522	3.034402	3.018425	4.006532	4.005327	4.046009	3.254827	3.171908	3.107809
ZNF658	ENSG0000	0.65374	2.330499	4.559459	0.00026	0.001598	0.48267	2.438959	2.068355	2.274882	2.714828	2.57804	2.5075	2.513265	3.063581	2.274723	2.243849	2.032826	2.447834	2.95881	2.974074	3.167173	2.924322	2.770449	3.006111
AL121772.	ENSG0000	-0.71408	-0.17147	-2.32598	0.032279	0.073396	-3.71313	1.719036	1.551021	1.62731	0.635873	0.828511	0.909432	0.670238	1.15884	0.735084	1.028404	1.435603	1.248523	0.46104	0.550009	0.263213	1.099384	1.406038	1.058313
AC114271.	ENSG0000	-0.22488	1.2693	-1.80333	0.088603	0.162228	-4.77989	1.959273	1.978677	2.221741	1.688986	1.498102	1.475193	2.144798	1.945386	1.727075	1.940223	1.8028	2.055402	1.644349	1.357245	1.610309	1.708352	1.766644	1.739782
RCC1L	ENSG0000	-0.2032	6.5858	-3.80707	0.00135	0.005948	-1.89266	7.111348	7.07728	7.117058	6.468179	6.623812	6.483221	6.909708	6.882213	6.83374	6.425634	6.544565	6.58464	6.27624	6.221748	6.238527	6.387036	6.356484	6.287442
AC005332.	ENSG0000	0.353102	0.279346	1.384364	0.183669	0.285558	-5.2294	0.814199	0.499412	0.679585	1.104644	1.164793	0.909432	0.782422	0.915275	0.515351	1.199504	1.777644	1.413989	1.897591	2.084417	1.320349	1.599785	1.547811	2.06284
PI4KAP1	ENSG0000	0.291663	1.453488	2.120252	0.048574	0.101414	-4.34557	1.18244	1.226787	1.585853	1.634586	1.373859	1.623325	1.966276	1.710758	1.674905	2.263275	2.155072	2.16783	2.649667	2.344993	2.544166	2.192442	2.274787	2.374055
PCCA-DT	ENSG0000	0.113061	2.222401	0.951139	0.354503	0.475799	-6.01521	2.762544	2.332462	2.600444	2.518519	2.904251	2.924168	2.576877	2.753138	2.501332	2.078238	2.249583	2.396013	2.491955	2.451029	2.633039	2.494877	2.233409	2.374055
NA	ENSG0000	-0.58408	1.528501	-2.9985	0.007897	0.024048	-2.68047	2.505419	2.206444	2.248556	1.457877	1.666451	1.714252	1.317361	1.549165	1.314712	2.30136	2.485369	2.038602	2.300295	1.946191	2.382676	2.013561	2.006592	2.350536
AC106782.	ENSG0000	0.120178	-0.56891	0.309685	0.760462	0.832366	-5.95662	0.318509	0.661886	0.323815	0.52061	0.512209	0.830331	0.548589	1.082132	0.106501	1.073118	0.986408	1.126631	1.689764	1.710321	1.08859	1.320757	1.072305	0.999041
AC005332.	ENSG0000	0.39439	1.545711	2.312158	0.033191	0.07517	-3.98942	1.475543	1.226787	1.358564	1.888135	2.155834	1.669505	2.144798	1.082132	1.873138	1.91588	2.074736	2.088428	2.83289	2.642244	2.942182	2.247458	2.274787	2.397196
H3C6	ENSG0000	1.274715	-1.53935	3.967565	0.000949	0.004483	-0.5699	1.235614	1.631689	1.453818	2.740812	3.170134	2.980206	2.667326	2.568641	2.560038	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC068473.	ENSG0000	-0.401	1.559613	-1.93111	0.069852	0.134939	-4.60883	2.345296	1.849715	1.987129	1.393812	2.03796	2.22781	2.26554	2.220554	1.873138	2.121457	2.23117	2.104662	2.079215	2.269709	2.200805	1.45147	1.707432	1.703111
AC026356.	ENSG0000	0.478431	0.135625	1.961245	0.065982	0.12918	-4.32553	0.587539	0.8079	1.256574	1.022291	1.498102	1.367251	0.782422	0.915275	0.925731	0.88529	0.986408	1.094478	1.218025	1.428204	1.129895	1.320757	1.2488	1.626848
ZNF280B	ENSG0000	0.114498	2.285707	0.828941	0.418315	0.540071	-6.12334	3.262728	3.027527	3.075109	3.083078	2.633282	3.051692	3.219115	3.605944	3.143496	2.263275	2.193623	2.228347	1.689764	1.591687	2.036756	2.283004	2.212266	2.033602
MLLT6	ENSG0000	-0.17192	7.201429	-1.6526	0.116261	0.201032	-6.19446	7.044006	6.943443	7.111591	6.288261	6.371051	6.483221	6.439253	6.438765	6.348704	7.724468	7.806437	7.737436	7.791604	7.803652	7.778393	7.919903	7.904243	7.891533
PPP4R3B	ENSG0000	0.070404	7.170055	1.435233	0.168875	0.267968	-6.48384	7.259109	7.196438	7.174121	7.037488	7.025904	7.067783	7.222228	7.335857	7.206466	7.08318	7.122722	7.137326	7.225323	7.277055	7.248857	7.206078	7.175286	7.245944
SYNRG	ENSG0000	0.197387	5.379193	2.83394	0.011233	0.031871	-3.77644	5.343965	5.413282	5.480815	5.854769	5.647884	5.699996	5.847177	5.71813	5.794788	5.200749	5.035583	4.992239	5.35987	5.38635	5.414342	5.194188	5.066252	5.026544
NUDT18	ENSG0000	-0.23246	1.758011	-1.04562	0.309982	0.429714	-5.84041	1.602421	2.125186	1.921989	2.577385	2.57804	2.374422	1.588238	0.915275	1.244857	1.940223	2.405511	2.369387	2.842976	2.997596	2.675503	2.247458	2.649824	2.200755
ZNF2	ENSG0000	-0.00681	3.23088	-0.08803	0.930851	0.954714	-6.74963	3.337603	3.461896	3.39613	3.456785	3.574682	3.510758	3.507292	3.578282	3.357206	3.367773	3.398501	3.133657	3.381853	3.38415	3.361763	3.073871	3.297679	3.30423
PDE4DIPP2	ENSG0000	0.251328	0.485939	1.108631	0.282612	0.400164	-5.59409	0.503316	0.499412	0.512639	1.022291	1.373859	1.526279	0.983587	0.824004	0.39151	1.676063	1.967585	1.759838	2.145912	2.169719	2.312654	1.809319	1.90484	1.910335
AL354718.	ENSG0000	0.118043	-0.06117	0.361005	0.722422	0.803613	-5.94729	0.814199	0.875715	0.512639	1.578054	1.556428	1.250575	0.670238	0.726566	0.833554	1.073118	1.112482	1.126631	0.787801	0.837535	1.209118	1.286141	1.072305	1.115245
LENG9	ENSG0000	-0.05278	3.027438	-0.52045	0.60928	0.711277	-6.59521	3.19722	3.012542	3.431666	2.97776	3.188693	3.069023	2.957542	3.002451	3.104585	3.265521	3.146729	3.38694	3.442811	3.152313	3.387537	3.39137	3.449945	3.050576

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CU104787.	ENSG0000	-0.09331	-0.80443	-0.80831	0.429779	0.551081	-6.13894	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.790717	2.674414	2.724859	3.422776	3.393046	3.116699	2.625227	2.465551	2.649309
AC078925.	ENSG0000	0.265724	-1.40066	1.417118	0.174028	0.274402	-4.94453	2.19231	2.37994	2.194417	2.864145	2.737798	2.885561	2.376953	2.451551	2.530983	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC012676.	ENSG0000	-0.6887	0.143136	-3.0836	0.006573	0.020908	-2.3057	1.069823	1.173893	1.406977	0.742604	1.373859	1.422231	1.074544	0.915275	0.925731	1.457372	1.529011	1.061592	1.154653	0.986036	1.129895	0.837776	0.975239	0.805046
GATD3B	ENSG0000	-0.21468	0.261647	-0.91972	0.370239	0.492052	-5.56663	1.519087	1.883052	1.78216	2.021307	2.155834	1.993763	1.648695	1.231675	1.445026	0.781331	0.640699	0.499259	1.088368	0.938214	0.957066	0.738851	0.871168	0.409347
AL353763.	ENSG0000	-0.23868	0.764359	-0.95745	0.351399	0.472614	-5.70011	1.384302	2.09705	1.667608	1.326771	1.718467	1.250575	1.240874	1.710758	1.826075	1.586365	1.335727	1.188864	1.392977	1.282615	1.775589	1.058946	1.024588	1.546329
AC126474.	ENSG0000	-0.08572	1.470556	-0.46451	0.648014	0.745109	-6.12851	2.526909	2.576149	2.194417	2.791417	2.660129	2.675323	2.058296	2.324112	2.239236	1.52331	1.300837	1.49011	1.392977	1.793303	1.209118	1.354562	1.581179	1.703111
PLAC4	ENSG0000	1.976135	0.878153	6.161748	9.24E-06	0.000121	3.524952	6.150496	6.063513	6.200371	6.216001	5.919145	6.176461	8.127579	8.060666	8.24267	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC073857.	ENSG0000	0.764685	-0.45977	2.080761	0.052457	0.107673	-3.99359	1.336422	1.327092	1.62731	2.291228	1.909591	1.993763	2.144798	1.901414	1.918715	0.483018	0.398185	0.288049	0.171976	0.190544	0.263213	0.576451	0.504542	0.409347
NA	ENSG0000	-0.42345	0.400381	-2.32975	0.032035	0.072945	-3.71637	2.051128	2.009193	2.138168	1.578054	1.373859	1.310092	1.762502	1.901414	2.087859	0.934589	1.228418	1.277453	0.5125	0.784432	0.533283	0.738851	0.816175	0.805046
AL662795.	ENSG0000	0.091796	2.580646	0.675379	0.508272	0.623953	-6.46454	1.475543	1.81559	1.744977	2.577385	2.299368	2.998412	2.480375	1.85606	1.674905	3.437834	3.647924	3.240362	4.033205	3.946112	3.962731	3.415594	3.37582	3.477085
CU638689	ENSG0000	0.082744	-1.69631	0.258648	0.798928	0.860567	-5.79992	1.791852	1.631689	1.744977	2.740812	3.012388	2.557474	1.966276	1.901414	1.314712	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC022413.	ENSG0000	-0.43185	-0.39185	-1.81041	0.087459	0.160774	-4.58617	0.882475	1.118985	0.756332	0.258133	0.25478	0.563119	0.782422	0.509405	0.629397	1.490718	1.228418	1.333627	1.018891	1.032323	1.046067	0.974502	1.513652	1.058313
AC104447.	ENSG0000	-0.06445	2.172364	-0.59875	0.55702	0.667422	-6.36441	2.461454	1.915637	2.300736	2.425456	2.229385	2.132113	2.303642	2.029503	2.202855	2.856146	2.841532	2.745712	2.67247	2.729118	2.528806	2.866919	2.711397	2.629903
AC022107.	ENSG0000	-0.02191	2.180338	-0.18472	0.855579	0.902534	-6.67836	1.519087	1.708084	1.54317	1.393812	1.768674	1.623325	1.525136	1.809233	1.314712	3.134522	3.406729	3.48321	3.840269	3.940055	3.968435	3.171932	3.571152	3.291935
AC005831.	ENSG0000	0.265614	1.096882	1.387215	0.182813	0.284546	-5.39194	0.814199	1.277811	1.499186	1.519216	1.2379	1.575618	1.459147	1.658879	1.244857	2.320032	2.155072	1.839597	1.954519	1.681564	1.695314	2.173627	2.254246	2.14716
AC026401.	ENSG0000	-0.19137	1.807434	-1.08197	0.293968	0.412632	-5.83049	2.884092	2.836538	2.446827	2.425456	2.117603	2.029614	2.01302	2.596487	2.588518	2.409929	2.355385	1.969371	1.498836	1.393161	1.423614	2.192442	2.030948	2.442395
GGT4P	ENSG0000	-0.07133	0.123164	-0.38691	0.703492	0.788572	-6.24098	0.216396	0.410755	0.219246	0.742604	0.389229	0.830331	0.269385	0.387194	0.256032	2.320032	2.453955	2.435052	2.822733	2.549802	2.689384	2.334732	2.33471	2.174206
AC093908.	ENSG0000	0.516338	-0.39951	2.163731	0.044604	0.094803	-4.29633	0.106501	0.106501	0.106501	0.395333	0.25478	0.2349	0.106501	0.253663	0.256032	2.763691	2.912585	2.569785	2.694919	2.23054	2.449456	2.878584	3.081525	3.107809
AC131212.	ENSG0000	0.067991	0.587676	0.400638	0.693542	0.780776	-6.33187	0.587539	0.582935	0.829201	0.258133	0.512209	0.746642	0.886508	0.824004	0.925731	2.47802	2.437987	2.34226	2.51737	2.127698	2.399663	2.464239	2.447571	2.174206
ERICD	ENSG0000	0.14992	-0.14664	0.424482	0.676394	0.767456	-5.87562	0.814199	1.173893	0.898566	1.457877	1.612488	0.746642	1.240874	0.622068	0.735084	0.834246	0.799097	0.499259	1.420179	1.16289	1.247156	1.099384	1.072305	0.497646
NA	ENSG0000	0.13303	1.179921	0.790189	0.440008	0.561082	-6.06738	1.286899	1.061904	1.406977	1.104644	1.164793	0.909432	1.160105	1.430416	1.777424	2.163418	2.23117	2.038602	2.579013	2.533802	2.544166	2.247458	2.169028	2.091498
AC000123.	ENSG0000	-0.18672	1.652946	-1.14986	0.265694	0.382097	-5.699	2.707144	2.37994	2.600444	2.143217	1.768674	2.132113	2.058296	2.324112	2.274723	1.787595	2.267764	1.696985	1.878105	1.622273	1.923865	1.903678	1.878239	1.973284
AC127496.	ENSG0000	-0.2557	2.217106	-2.09065	0.051459	0.106077	-4.60129	2.27083	2.576149	2.018628	1.791994	1.909591	1.575618	2.144798	2.290412	1.918715	3.102524	3.096753	3.141546	3.116795	2.888589	3.064395	3.011667	2.868308	2.724423
AL132656.	ENSG0000	-0.00101	1.396646	-0.0063	0.995041	0.99651	-6.23487	2.568952	2.258179	2.794903	2.359902	2.299368	2.532704	2.607661	2.702788	2.588518	1.388276	1.644832	1.439812	1.308151	1.16289	1.002253	1.354562	1.206659	1.546329
AC132872.	ENSG0000	0.347238	0.794335	1.599466	0.127637	0.216035	-5.17458	0.882475	1.327092	1.028027	0.841981	1.164793	0.2349	1.525136	1.430416	1.727075	2.320032	2.531245	2.152295	1.365252	1.16289	1.456457	2.583072	2.354144	2.374055
AC096887.	ENSG0000	-0.27919	0.159637	-1.14431	0.267927	0.384414	-5.45228	1.791852	1.327092	1.888281	1.022291	0.512209	1.250575	1.317361	1.231675	1.244857	1.239286	1.07167	1.158083	0.5125	0.784432	0.812339	1.320757	0.975239	1.222783
FP565260.	ENSG0000	-0.17896	0.334861	-0.75895	0.457996	0.57866	-5.75614	1.602421	1.374745	1.54317	1.256461	1.864131	1.575618	0.886508	1.430416	1.314712	0.7264	1.07167	0.921995	1.154653	0.986036	1.456457	0.837776	1.072305	0.999041
LINC01348	ENSG0000	-0.2873	-0.78715	-0.99651	0.332599	0.452892	-5.52358	0.503316	0.499412	0.219246	0.635873	0.389229	0.461789	0.548589	0.253663	0.106501	1.028404	1.228418	1.188864	1.420179	1.560439	1.51998	1.099384	1.16325	0.999041
AC245100.	ENSG0000	-0.37341	0.066514	-1.20406	0.244619	0.357565	-5.356	0.503316	0.8079	0.964748	1.256461	1.307481	0.830331	1.074544	0.915275	0.515351	1.315703	1.07167	1.73919	1.573426	1.357245	1.550722	1.286141	0.637375	1.115245
CCDC163	ENSG0000	0.447913	0.796079	1.733489	0.100613	0.17969	-4.7176	2.27083	1.978677	2.109199	2.103714	2.549605	2.346268	2.667326	2.324112	2.560038	0.982259	1.029669	0.958181	0.610222	0.550009	0.470356	1.099384	1.478665	0.872651
LINC01232	ENSG0000	-0.31678	1.682031	-1.84664	0.081802	0.153042	-4.86803	2.165157	1.947501	1.62731	1.457877	1.373859	1.367251	1.525136	1.549165	1.50602	2.620402	2.485369	2.473063	2.95881	3.098942	3.010124	2.317694	2.354144	2.326628
PAGR1	ENSG0000	-0.21163	1.831917	-1.04385	0.310781	0.430463	-5.87842	2.416107	2.332462	2.248556	1.933905	2.85862	2.258349	1.966276	1.760835	2.005764	2.320032	2.500824	2.34226	1.973006	1.766169	1.947161	2.568742	2.618024	1.942153
LINC00294	ENSG0000	-0.12548	2.323314	-0.89672	0.382055	0.503759	-6.04103	3.249862	3.128277	3.162305	3.425084	3.188693	3.306732	2.806512	2.623806	2.846105	2.033684	2.115463	1.839597	2.300295	2.169719	2.161508	2.173627	2.190809	2.326628
GSEC	ENSG0000	-0.13596	2.665831	-0.79937	0.434803	0.555866	-6.31182	3.026682	3.128277	2.681399	2.457149	2.991399	2.825643	2.832807	2.255906	1.962896	2.843296	2.969234	2.87437	3.116795	3.436722	3.486261	3.123735	2.972579	3.065099
MATR3	ENSG0000	-0.62626	1.667521	-4.79408	0.000157	0.001081	1.051313	2.526909	2.61635	2.37563	2.143217	2.03796	2.064596	2.144798	2.069791	1.918715	1.940223	2.23117	2.213454	2.079215	1.970168	2.121111	1.482378	1.737342	1.81044
LINC01395	ENSG0000	0.045998	-1.38516	0.311244	0.759297	0.831705	-6.16659	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	1.945166	1.653508	2.178139	2.148862	2.294605	1.571317	2.030948	1.775544
LINC00997	ENSG0000	0.427611	2.935872	2.255109	0.037213	0.082213	-4.22336	3.530804	3.695626	3.93931	4.839889	4.551652	4.685302	4.420085	4.203129	4.420702	2.056133	2.267764	2.152295	2.25569	2.039797	2.18129	2.173627	1.737342	2.091498
SNHG4	ENSG0000	-0.52998	2.561324	-3.80787	0.001348	0.005939	-1.13728	2.90065	3.142112	2.99819	2.740812	2.787348	3.168853	2.303642	2.324112	2.798137	3.002038	3.086546	2.682227	3.066031	2.700737	3.053703	2.283004	2.601856	2.742606
BLACAT1	ENSG0000	-0.31284	-0.97078	-2.67741	0.015642	0.041477	-3.34678	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.881509	2.946841	2.627101	2.51737	2.565626	2.449456	2.384669	2.518186	2.419973
NA	ENSG0000	1.230512	0.252371	3.071883	0.006741	0.021332	-2.2886	2.109269	2.232543	2.514675	1.840866	2.264801	2.5075	3.690999	3.605944	3.655245	0.781331	0.330605	0.449284	0.234608	0.484926	0.263213	0.63264	0.433238	0.214669
EBLN3P	ENSG0000	-0.02399	6.188614	-0.484	0.634391	0.733233	-7.27352	5.757007	5.83346	5.957896	6.344419	6.302412	6.4069	5.952856	5.967735	5.967373	6.245675	6.339598	6.315861	6.578959	6.631886	6.631735	6.102439	6.177154	6.252972
AP000851.	ENSG0000	-0.60757	0.583979	-3.36359	0.003574	0.012871	-1.74994	3.100204	3.222448	3.176339	2.181668	1.953662	2.22781	2.545421	2.676938	2.697131	0.781331	0.799097	0.54756	0.46104	0.612281	0.470356	0.517985	0.504542	0.497646
AC106886.	ENSG0000	-0.57948	0.804783	-3.1884	0.005237	0.01752	-2.27255	1.286899	1.002471	1.358564	0.934951	0.828511	0.657796	0.415731	0.824004	0.629397	2.47802	2.453955	2.30059	2.579013	2.627242	2.141451	2.192442	2.124453	2.003758
LINC01002	ENSG0000	-0.77386	0.375192	-2.73849	0.013754	0.037485	-3.12239	0.882475	0.940485	0.964748	0.395333	0.92021	0.563119	0.106501	0.622068	0.515351	2.338465	2.714733	2.004401	2.209661	2.433888	2.433049	1.809319	2.054898	2.003758
FRG1CP	ENSG0000	-0.0888	4.359503	-0.84101	0.4117	0.533465	-6.71024	4.863535	4.677795	4.606117	4.072648	4.081169	4.138446	4.487843	4.651042	4.640652	4.451587	4.369954	4.314216	4.493192	4.476309	4.448272	4.311095	4.288934	4.38838
BISPR	ENSG0000	-0.23714	0.136823	-1.05202	0.30712	0.426583	-6.03004	0.318509	0.499412	0.106501	0.635873	0.389229	0.106501	0.106501	0.106501	0.256032	0.349712	0.532361	0.312021	0.303673	0.152313	0.225499	0.123735	0.317614	0.328509
AC004706.	ENSG0000	-0.07979	1.419057	-0.47011	0.644091	0.741795	-6.22834	1.602421	1.744817	1.744977	2.063099	1.498102	2.064596	1.762502	1.760835	1.674905	2.01088	2.320972	2.136592	1.897591	1.591687	2.161508	1.809319	2.169028	2.14716
FRG1EP	ENSG0000	0.051099	0.372315	0.170799	0.866344	0.909951	-6.0175	1.755904	1.915637	1.744977	1.256461	1.612488	1.475193	1.389995	1.809233	1.564539	0.483018	0.695454	0.921995	1.336984	0.986036	1.320349	0.789161	1.024588	0.872651
NA	ENSG0000	-0.50389	0.487149	-2.08736	0.051789	0.106641	-4.19074	1.475543	1.508929	1.358564	1.457877	1.087782	0.657796	0.782422	1.082132	0.925731	1.457372	1.467416	1.413989	1.524131	1.681564	1.801384	1.354562	1.547811	0.999041
FRG1GP	ENSG0000	-0.29364	1.670643	-1.33439	0.199202	0.304001	-5.59896	2.218961	2.125186	2.079636	1.104644	1.307481	1.188496	2.058296	2.147141	1.727075	2.574485	2.320972	2.447834	2.749557	2.770668	2.528806	2.115663	2.274787	2.174206
AC008038.	ENSG0000	-0.14177	2.892705	-0.93544	0.362307	0.484084	-6.22305	3.041689	2.982098	3.296854	3.342644	3.31232	3.051692	3.072345	3.351955	3.4839	3.496465	3.195032	2.93917	2.738794	2.888589	2.895043	2.568742	3.081525	2.778299
FRG1FP	ENSG0000	0.113112	-0.68544	0.664828	0.514838	0.629698	-5.92932	0.216396	0.410755	0.219246	0.258133	0.25478	0.2349	0.269385	0.253663	0.256032	1.490718	1.435603	1.585733	1.897591	2.148862	2.23906	1.571317	1.581179	1.58715
GTF2IP12	ENSG0000	-0.81905	2.272145	-7.15907	1.36E-06	2.74E-05	5.572912	2.833249	3.182839	3.013906	2.291228	2.078331	2.258349	1.816207	2.069791	2.239236	2.990428	3.023743	3.125724	2.51737	2.50126	2.559363	2.494877	2.429363	2.706008
AL137077.	ENSG0000	0.137381	-0.7322	0.501261	0.622442	0.722547	-5.98623	0.41387	0.215206	0.421314	0.258133	0.389229	0.106501	0.548589	0.387194	0.515351	1.52331	1.369793	1.333627	1.420179	1.357245	1.51998	1.482378	1.16325	1.461048
AC010642.	ENSG0000	-0.02601	3.439317	-0.27468	0.786779	0.851074	-6.83559	3.156438	3.209365	3.104764	3.020814	3.502343	3.152687	3.423261	3.122225	3.468658	3.87668	3.907656	3.81458	4.063713	4.230476	4.083285	3.871719	3.636099	3.707454

Supplementary table 6: Differential gene expression analysis between KRAS-depleted cells (siKRAS) and control cells (siNeg).

Symbol	geneID	logFC	AveExpr	t	P.Value	adj.P.Val	B	A549.siNeg	A549.siNeg	A549.siNeg	A549.siKRA	A549.siKRA	A549.siKRA	A549.siUH	A549.siUH	A549.siUH	H358.siNeg	H358.siNeg	H358.siNeg	H358.siKRA	H358.siKRA	H358.siKRA	H358.siUH	H358.siUH	H358.siUHRF1.3
TSPAN6	ENSG00000000003	0.58227	6.263401	7.338116	9.80E-07	5.39E-06	5.147015	5.496078	5.564777	5.472309	6.105344	5.896744	6.033699	5.729647	5.80423	5.828013	6.658034	6.698259	6.649702	7.282489	7.313241	7.270374	6.393148	6.442973	6.477211
DPM1	ENSG00000000419	-0.47125	6.331709	-6.99162	1.86E-06	9.35E-06	4.49926	6.579898	6.541767	6.505617	5.790912	5.797458	5.804577	6.247331	6.273954	6.152831	6.568148	6.61638	6.705318	6.321126	6.455213	6.350875	6.560905	6.488751	6.547417
SCYL3	ENSG00000000457	0.060713	4.479283	1.095265	0.288264	0.349515	-6.88762	4.461995	4.538284	4.43574	4.464421	4.360275	4.518705	4.31208	4.265167	4.252911	4.707004	4.905185	4.687318	4.895737	4.824228	4.888167	4.394709	4.442079	4.461559
C1orf112	ENSG00000000460	-1.07894	3.982995	-8.16042	2.28E-07	1.56E-06	7.033563	3.895419	3.928996	3.955676	3.633621	3.574682	3.655458	3.904396	4.184903	4.00079	4.832603	4.827642	4.885889	3.551365	3.428092	3.429496	4.595365	4.504286	4.646745
CFH	ENSG00000000971	1.262118	7.266688	12.16262	5.84E-10	1.23E-08	12.77657	6.629166	6.632773	6.658412	8.269936	8.21757	8.304883	7.023954	7.14988	7.032107	6.995878	7.094988	7.012753	7.949015	7.971181	7.943872	6.640993	6.808757	6.65333
FUCA2	ENSG00000001036	0.601147	6.453442	5.154492	7.29E-05	0.000224	0.752004	6.429698	6.540462	6.491655	7.518782	7.521162	7.446607	6.802362	7.000265	6.987354	5.8117	5.798468	5.902963	6.034731	5.921708	6.033424	6.136844	6.051838	6.06165
GCLC	ENSG00000001084	-1.19877	7.203774	-20.0762	1.63E-13	2.86E-11	21.21946	7.564631	7.71446	7.661344	6.354972	6.3444	6.360147	7.332305	7.288631	7.206466	7.920734	7.862095	7.950579	6.721082	6.877487	6.797917	7.31633	7.272966	7.315162
NFYA	ENSG00000001167	-0.36195	5.646267	-6.9223	2.12E-06	1.05E-05	4.450255	5.899743	5.875476	5.8172	5.565938	5.539998	5.694423	5.490461	5.564476	5.466856	5.93795	5.8294	5.945268	5.517738	5.455925	5.473701	5.64029	5.764723	5.687573
STPG1	ENSG00000001460	0.135571	3.398605	1.376261	0.186119	0.237641	-6.25062	3.408783	3.335139	3.029452	3.647423	3.588725	3.655458	3.632324	3.335526	3.808383	3.629659	3.5985	3.613714	3.663745	3.520297	3.517722	3.6717	3.546022	3.421736
NIPAL3	ENSG00000001461	-0.40246	5.724502	-4.66161	0.000209	0.000567	-0.28618	5.406168	5.355074	5.27123	5.272812	5.326156	5.280077	5.347317	5.327507	5.274297	6.661699	6.581374	6.628807	5.999094	6.050991	6.000398	5.926779	5.945351	5.915037
LAS1L	ENSG00000001497	-0.35971	6.172232	-5.9123	1.52E-05	5.71E-05	2.379061	6.869957	6.78051	6.792012	6.352868	6.256968	6.326315	6.434968	6.522796	6.466555	5.931893	5.861181	5.945268	5.706336	5.62404	5.782968	5.906981	5.906389	6.015662
ENPP4	ENSG00000001561	0.650655	3.407344	6.915123	2.15E-06	1.06E-05	4.672275	2.245129	2.332462	2.351095	2.359902	2.366112	2.258349	2.576877	2.357042	2.643847	4.634266	4.514003	4.48516	5.311659	5.206274	5.28547	4.442647	4.592839	4.72199
SEMA3F	ENSG00000001617	-0.06853	2.416577	-0.42235	0.677919	0.726586	-6.79796	2.629805	2.206444	2.916938	2.143217	2.398361	2.481849	3.238915	2.871824	3.453254	2.589954	2.561038	2.615819	2.727949	2.642244	2.528806	2.731965	2.841019	2.629903
ANKIB1	ENSG00000001629	0.242506	6.376988	5.142355	7.48E-05	0.000229	0.701858	6.25238	6.353919	6.237656	6.468179	6.362903	6.435578	6.389189	6.369847	6.233947	6.290151	6.378811	6.158558	6.59844	6.545754	6.631735	6.458728	6.489849	6.452569
CYP51A1	ENSG00000001630	-0.19886	2.052625	-1.58527	0.13083	0.174755	-5.59619	2.19231	2.308123	2.326135	1.978268	2.520598	2.22781	2.576877	2.324112	2.697131	2.243849	2.500824	2.671369	2.24051	2.190279	2.294605	2.639009	2.552239	2.302316
KRIT1	ENSG00000001631	0.161846	5.310892	2.206666	0.040978	0.062169	-5.34833	5.572986	5.51514	5.673707	5.737065	5.607073	5.724812	5.712047	5.653324	5.640119	5.082702	5.105486	5.052059	5.329703	5.226323	5.276301	4.762075	4.695442	4.918728
RAD52	ENSG00000002016	-0.32147	2.639733	-2.11292	0.049275	0.073451	-4.79896	4.014302	3.804029	3.955676	3.376187	3.48743	3.432575	3.814892	3.491964	3.641718	2.30136	2.453955	1.877881	2.096181	2.06228	2.497588	1.833493	1.956613	2.119598
BAD	ENSG00000002330	0.532129	5.026331	7.393776	8.85E-07	4.93E-06	5.450784	4.674285	4.774231	4.799861	5.195063	5.48099	5.302231	5.147073	5.013152	5.092354	4.561593	4.842882	5.020321	5.291546	5.322591	5.260115	5.291204	5.198461	5.03025
LAP3	ENSG00000002549	-0.2038	7.464694	-2.17778	0.043386	0.065454	-5.67232	7.422812	7.514918	7.425407	7.620255	7.575059	7.635128	7.443134	7.456621	7.392614	7.621448	7.646285	7.646112	7.131234	7.091402	7.138713	7.581045	7.603961	7.571239
HS3ST1	ENSG00000002587	-1.11589	3.155999	-5.93058	1.47E-05	5.54E-05	2.702633	1.12723	1.226787	1.358564	2.063099	2.333126	2.064596	2.144798	1.901414	2.239236	5.554185	5.538823	5.742345	4.25337	4.367677	4.223448	5.494399	5.292118	5.161062
HECW1	ENSG00000002746	0.061064	-0.51387	0.203156	0.841359	0.86862	-6.18412	2.744313	2.693541	2.776595	2.661411	2.633282	2.784269	2.144798	2.451551	2.588518	0.190076	0.106501	0.230035	0.171976	0.26996	0.186984	0.257084	0.19538	0.214669
MAD1L1	ENSG00000002822	-0.927	4.432282	-12.6351	3.20E-10	7.68E-09	13.69004	5.118357	5.08834	5.297149	4.031135	4.343809	4.210498	4.688362	4.583078	4.73921	4.64911	4.655361	4.765977	3.997531	3.839509	3.799527	4.54867	4.432969	4.261717
LASP1	ENSG00000002834	-0.33555	8.563625	-2.79092	0.012309	0.021255	-4.57122	8.914228	8.930712	8.872358	8.072425	8.099937	7.977888	8.421982	8.445989	8.357279	8.704895	8.612261	8.71838	8.850198	8.779118	8.772408	8.575416	8.525852	8.586154
SNX11	ENSG00000002919	-0.10096	4.997536	-1.53842	0.141853	0.187353	-6.36512	5.411954	5.291319	5.22134	5.041505	5.152684	5.159862	5.574674	5.503276	5.515873	4.893087	4.580969	4.783729	4.785003	4.711399	4.688381	4.787047	4.84029	4.86164
M6PR	ENSG00000003056	0.417968	7.285199	7.869753	3.78E-07	2.39E-06	6.053296	6.361064	6.282324	6.309455	6.945516	6.911849	6.948776	6.940263	6.975295	6.886305	7.684048	7.672111	7.690481	7.970451	7.955877	7.930784	7.952001	7.932799	7.971762
KLHL13	ENSG00000003096	0.36447	3.100202	3.783161	0.001423	0.00309	-1.85274	1.642349	2.068355	1.853768	2.661411	2.811499	2.557474	1.966276	2.255906	2.274723	4.561593	4.532919	4.348702	4.679202	4.739573	4.667494	4.042177	4.11758	4.037057
CYP26B1	ENSG00000003137	-1.60268	2.231284	-10.5845	5.03E-09	6.86E-08	11.0093	3.114469	3.155816	3.466347	2.359902	2.299368	2.258349	2.724622	2.825515	2.723053	3.134522	3.055486	2.966075	1.498836	1.495836	1.456457	2.26534	2.535313	2.570068
ICA1	ENSG00000003147	-0.24402	4.353789	-1.42546	0.171638	0.221154	-6.42046	5.190829	5.234335	5.049003	3.966538	4.376555	4.28655	4.154215	4.55497	4.380548	4.187508	4.260723	4.16352	4.460809	4.588991	4.550681	4.166333	3.967936	4.150354
DBNDD1	ENSG00000003249	1.190734	5.05061	7.627075	5.81E-07	3.45E-06	5.872512	4.478633	4.401188	4.631806	5.999011	6.11136	6.083584	4.576101	4.405576	4.570996	4.678347	4.658809	4.711369	5.62099	5.50599	5.528785	5.271431	5.35134	5.187851
ALS2	ENSG00000003393	0.116895	5.873984	2.486106	0.023289	0.037558	-4.90473	6.218111	6.233079	6.24932	6.408639	6.3361	6.491278	6.161755	6.331009	6.302172	5.522291	5.593905	5.506132	5.574833	5.577973	5.605829	5.323569	5.341637	5.428683
CASP10	ENSG00000003400	0.149659	2.787299	1.190918	0.249609	0.308101	-6.33306	3.27548	3.260998	3.39613	3.06262	3.132285	3.03415	2.576877	3.043491	3.044176	2.881509	2.841532	2.902498	3.259174	3.445301	3.126936	2.731965	2.447571	2.419973
CFLAR	ENSG00000003402	-0.15611	6.937281	-1.59346	0.128979	0.172623	-6.60687	7.121978	7.088935	7.124316	6.466234	6.432686	6.655165	6.510216	6.517343	6.495043	7.171937	7.245345	7.160321	7.34681	7.388012	7.405807	6.923841	7.025007	7.015808
TFPI	ENSG00000003436	0.298389	6.520081	2.467001	0.024223	0.038909	-4.90895	7.685412	7.679903	7.715207	8.369583	8.12605	8.296171	8.42954	8.439277	8.485387	5.004057	5.051412	5.035219	4.818614	4.824228	4.807727	5.036515	5.006099	5.044977
NDUFAF7	ENSG00000003509	0.254738	4.333872	2.711859	0.014548	0.024674	-4.1438	4.595114	4.55906	4.520694	4.727426	4.544465	4.735009	5.071794	4.971227	5.072328	3.857636	3.836353	4.012537	4.330668	4.307781	4.134921	4.078031	4.07722	3.930053
RBM5	ENSG00000003756	0.16896	5.82482	2.170625	0.044003	0.066244	-5.51717	5.623734	5.675946	5.703085	5.768983	5.543607	5.935541	5.961819	5.851216	5.942765	5.8825	5.92128	5.827947	6.065207	6.08981	6.132014	5.647126	5.821673	5.925024
SLC7A2	ENSG00000003989	1.971505	1.927679	5.914479	1.52E-05	5.69E-05	3.2667	7.482461	7.506252	7.458803	9.492958	9.381004	9.589463	9.184726	9.104562	9.157562	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.214669
ARF5	ENSG00000004059	0.082993	5.814951	0.748651	0.464024	0.52763	-7.42563	6.104784	6.083368	6.089793	5.753112	5.830334	5.584228	5.726144	5.737018	5.920533	5.625347	5.629491	5.77187	6.118076	6.123609	6.12947	5.777454	5.623718	5.518482
SARM1	ENSG00000004139	1.134463	4.350171	8.518678	1.24E-07	9.42E-07	7.585918	4.357924	4.275018	4.429894	5.626427	5.518152	5.640377	3.928981	4.070428	3.832397	3.75845	3.907656	3.707046	4.758606	4.743056	4.72927	4.108069	4.288934	4.014786
POLDIP2	ENSG00000004142	-0.35796	7.738119	-11.68	1.10E-09	2.04E-08	12.10343	8.29218	8.282584	8.282174	7.852484	7.919343	7.859001	8.088556	8.038633	8.06848	7.569237	7.502072	7.624461	7.263841	7.264991	7.256454	7.431181	7.404613	7.415617
PLXND1	ENSG00000004399	-0.28814	6.175111	-2.19976	0.041542	0.062945	-5.48024	6.375943	6.381882	6.511164	6.477868	6.669124	6.508848	6.489704	6.409631	6.462714	6.015891	6.167502	6.009185	5.451713	5.436694	5.323798	6.329765	6.309971	6.20624
AK2	ENSG00000004455	-0.48901	7.758216	-12.79	2.64E-10	6.60E-09	13.57497	7.958303	7.943058	7.914124	7.412663	7.387976	7.354201	7.652304	7.669853	7.676667	8.041326	7.993881	8.028162	7.568155	7.578454	7.637819	7.991146	7.964756	8.00038
CD38	ENSG00000004468	0.635098	0.29708	2.070201	0.053542	0.0791	-4.39215	1.384302	1.708084	1.499186	2.21912	2.366112	2.697781	1.917967	1.549165	1.962896	0.669294	0.748206	0.993481	0.562188	0.671977	0.707101	0.63264	0.871168	0.409347
FKBP4	ENSG00000004478	-0.14001	8.22417	-2.784	0.012491	0.021533	-4.57136	7.681824	7.642066	7.68669	7.686095	7.563551	7.640935	7.793714	7.664108	7.654949	8.845649	8.748372	8.793375	8.625604	8.574874	8.54462	9.040142	8.972687	8.972281
KDM1A	ENSG00000004487	0.005383	6.647203	0.103646	0.91863	0.933442	-7.80617	6.862581	6.819776	6.760919	6.631604	6.627218	6.637848	6.748129	6.722383	6.746384	6.501209	6.457152	6.509664	6.630092	6.719367	6.626333	6.663082	6.616959	6.636412
RBM6	ENSG00000004534	-0.31314	5.910472	-4.9316	0.000117	0.00034	0.307415	6.271602	6.332962	6.262537	5.759481	5.760718	5.743822	5.80795	5.916187	5.975483	6.047047	5.994071	5.881925	5.882915	5.8476	5.810222	5.812844	5.804117	5.923032
CAMKK1	ENSG00000004660	0.048353	4.232175	0.65721	0.519608	0.581593	-7.02529	5.350006	5.256764	5.399401	5.420792	5.503402	5.261353	5.59402	5.506949	5.500968	3.265521	3.232543	3.305013	3.259174	3.357127	3.253801	3.209363	3.171908	3.162857
RECQL	ENSG00000004700	-0.21916	5.197488	-3.8774	0.001157	0.002569	-1.87425	5.596044	5.673567	5.666267	5.380038	5.510796	5.380668	5.300979	5.546744	5.451432	5.159875	5.130539	4.996595	4.914988	5.012067	4.735974	4.978075	5.009167	4.849107
VPS50	ENSG00000004766	0.055019	4.408454	0.919318	0.370444	0.435225	-7.02714	4.445163	4.468622	4.320409	4.456603	4.284653	4.427589	4.487843	4.397684	4.45204	4.569418	4.606195	4.524909	4.679202	4.623418	4.670996	4.357681	4.318914	4.499478
HSPB6	ENSG00000004776	1.348839	0.828985	2.532907	0.021144	0.034434	-3.53203	4.405107	4.574447	4.681852	5.895822	6.084358	6.000211	5.494585	5.510612	5.482116	0.106501	0.398185	0.230035	0.106501	0.190544	0.106501	0.183756	0.572487	0.106501
ARHGAP33	ENSG00000004777	0.131659	1.794359	0.827024	0.419372	0.484555	-6.38198	2.165157	1.81559	2.351095	2.325974	2.193078	1.956998	2.376953	2.777669	2.530983	2.163418	1.8028	2.038602	2.096181	2.169719	2.121111	2.283004	1.82352	2.200755
NDUFAB1	ENSG00000004779	-0.4699	6.417417	-8.61005	1.07E-07	8.33E-07	7.471769	7.149082	7.000566	7.065207	6.515985	6.484302	6.481604	6.876914	6.896284	6.852943	6.190934	6.192701	6.295675	5.775111	5.940035	5.921732	6.219429	6.03538	5.946753
PDK4	ENSG00000004799	2.904102	4.433113	11.56822	1.28E-09	2.28E-08	12.38326	5.190829	5.607787	5.384366	8.506044	8.338847	8.464421	7.55299	7.642567	7.636313	1.787595	1.8028	1.653508	2.852992	2.875953	2.689384	1.903678	1.737342	2.06284
ARX	ENSG00000004848	1.130518	0.801111	7.107114	1.50E-06	7.76E-06	5.479997	1.286899	1.631689	1.202741	2.063099	2.193078	2.029614	1.317361	1.367163	1.445026	1.239286	1.190799	1.061592	2.027088	1.766169	1.876113	1.250674	1.329561	0.805046
SLC25A13	ENSG00000004864	-0.02911	5.732155	-0.51558	0.612609	0.668357	-7.53051	6.295276	6.353919	6.315808	6.371699	6.327751	6.465334	6.011586	6.060626	6.007476	5.35583	5.489323	5.301295	5.274879	5.317927	5.161481	5.226496	5.157568	5.217405
ST7	ENSG00000004866	0.514935	5.116379	8.844617	7.25E-08	6.04E-07	8.057358	5.291568	5.401827	5.390399	5.982771	5.885412	5.961294	5.771031	5.663233	5.680369	4.295234	4.331577	4.536922	4.881128	4.707838	4.817241	4.777733	4.826442	4.7174
CDC27	ENSG00000004897	-0.4097	6.292628	-8.15767	2.29E-07	1.57E-06	6.724972	7.205977	7.37254	7.212082	6.94272	6.911849	6.925177	7.171619	7.259535	7.248347	5.756222	5.657342	5.798311	5.28231	5.250999	5.217641	5.492503	5.428995	5.536833
HCCS	ENSG00000004961	0.179363	6.432696	2.808438	0.011859	0.020541	-4.33751	6.947703	6.890125	6.872872	6.911603	6.800118	6.891478	6.748129	6.846424	6.812769	5.868298	5.80937	5.85938	6.293811	6.214238	6.203889	6.083665	5.998805	6.059839
DVL2	ENSG00000004975	-0.17076	5.455288	-3.57834	0.002232	0.004631	-2.57497	6.001113	5.898074	6.003871	5.800209	5.751385	5.743822	5.804633	5.629937	5.605699	5.358091	5.247382	5.383428	5.256131	5.170503	5.156493	4.958973	4.940116	5.109451
PRSS22	ENSG00000005001	-0.79692	1.519078	-4.7402	0.000176	0.000488	0.109564	1.010037	0.940485	0.756332	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	5.847534	5.861181	6.084781	5.206215	5.377412	5.198354	6.004695	6.1187	5.78729
UPF1	ENSG00000005007	-0.25172	7.346425	-6.65594	3.52E-06	1.61E-05	3.753519	7.462386	7.442692	7.545155	7.095279	7.251199	7.155579	7.346063	7.323414	7.378412	7.450862	7.425185	7.498046	7.330773	7.246703	7.216868	7.467358	7.362652	7.402096
SKAP2	ENSG00000005020	0.364508	6.579665	2.29914	0.034072	0.052748	-5.34404	6.635362	6.61304	6.545359	7.628977	7.47749	7.598299	7.137744	7.142816	7.157405	6.292517	6.167502	6.250794	5.881693	6.003857	5.969444	6.006025	6.1187	6.109724
SLC25A5	ENSG00000005022	-0.42196	8.947061	-10.7837	3.78E-09	5.45E-08	10.75158	9.517453	9.465854	9.453607	8.961464	8.975787	8.914062	9.265373	9.293707	9.309917	8.887131	8.765467	8.829382	8.528369	8.506068	8.496577	8.647925	8.645038	8.639893
MCUB	ENSG00000005059	0.303032	3.073306	2.042454	0.056491	0.083076	-5.13587	3.142584	2.870177	2.5366	3.456785	3.734793	3.666886	3.277716	3.431409	3.023464	3.113269	3.390227	3.172678	3.18974	3.243672	3.053703	3.26375	3.337278	3.487904
HOXA11	ENSG00000005073	1.504271	-1.24811	4.798258	0.000156	0.000437	1.084753	2.165157	2.039077	1.706811	3.255206	3.546181	3.608819	2.696258	3.196885	2.915195	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
POLR2J	ENSG00000005075	0.240228	5.244498	4.250099	0.000511	0.001251	-1.04579	5.45743	5.509814	5.328907	5.598277	5.710229	5.663381	5.879071	5.795247	5.767022	4.742042	4.696209	4.911491	5.012045	5.112436	4.958638	5.054624	5.015283	4.914724
DHX33	ENSG00000005100	-0.42588	6.379795	-10.0547	1.09E-08	1.27E-07	9.82114	6.776612	6.725287	6.723177	6.288261	6.366983	6.452185	6.599072	6.576214	6.395797	6.457606	6.503919	6.467919	6.065207	5.971557	5.996216	6.262357	6.328511	6.204601
THSD7A	ENSG00000005108	2.173866	2.933707	7.8699	3.78E-07	2.39E-06	6.780212	3.603403	3.714268	3.783005	6.077576	6.074412	6.213949	4.6145	4.59693	4.534865	1.199504	1.875739	1.718241	2.009285	2.398985	1.775589	1.387593	1.368306	1.703111
LIG3	ENSG00000005156	-0.30538	5.162086	-3.91527	0.001064	0.002388	-1.77244	5.812748	5.811984	5.901987	5.640298	5.529116	5.671913	5.296262	5.450851	5.375831	4.942125	4.925369	4.963598	4.633447	4.492955	4.62479	4.865346	4.936897	4.819433
RPAP3	ENSG00000005175	-0.04996	5.606456	-0.77282	0.449955	0.514035	-7.34127	5.864307	5.936292	5.901987	5.904469	5.965622	5.97515	6.040078	6.080481	6.176476	5.389369	5.446069	5.401609	5.206215	5.363901	5.227188	5.168285	5.152027	5.280993
ACSM3	ENSG00000005187	-0.9463	1.962454	-5.0523	9.05E-05	0.000271	1.323847	2.725848	2.836538	2.865896	1.326771	1.164793	1.714252	2.01302	2.147141	2.165532	2.736149	2.877496	2.845681	2.661114	2.21055	2.382676	2.479639	2.295039	2.48622
REXO5	ENSG00000005189	-1.38914	1.946022	-7.90118	3.58E-07	2.29E-06	6.866323	3.373632	3.505362	3.296854	2.48816	2.264801	2.719893	3.137083	3.506713	3.218306	2.356666	2.135404	2.152295	1.054048	0.837535	1.046067	1.903678	1.707432	2.003758
CIAPIN1	ENSG00000005194	-0.17786	7.119134	-3.43269	0.003072	0.006149	-3.09047	7.738761	7.744812	7.645668	7.364381	7.373854	7.355967	7.601591	7.539647	7.58423	6.730485	6.640128	6.739507	6.714917	6.702469	6.674237	6.791268	6.709457	6.694778
SPPL2B	ENSG00000005206	0.811169	4.027224	10.69425	4.29E-09	5.98E-08	11.08025	3.903656	3.704977	4.087767	4.87551	4.720591	4.809079	3.953155	4.128801	4.170531	3.87668	3.605665	3.707046	4.480326	4.349511	4.288734	3.7814	3.835933	3.865145
FAM214B	ENSG00000005238	0.324466	5.582337	2.383053	0.028756	0.045302	-5.09397	5.667929	5.546688	5.618241	6.236693	6.457769	6.302701	5.198536	5.088621	5.160337	5.534334	5.531317	5.599302	5.559624	5.589628	5.507395	5.448178	5.568634	5.437082
PRKAR2B	ENSG00000005249	0.901198	3.505555	4.08123	0.000739	0.001731	-1.10573	2.725848	2.76681	3.133821	4.746789	4.648682	4.713128	3.158032	3.232814	3.340558	3.637124	3.799336	3.647349	3.783794	4.056619	3.805912	3.493521	3.458949	3.398988
MSL3	ENSG00000005302	0.207468	4.507927	3.276809	0.00432	0.008347	-3.05043	4.735558	4.856254	4.781616	4.803367	4.782991	4.839695	4.637058	4.753535	4.556652	4.227618	4.242453	4.253631	4.647902	4.51757	4.591911	4.302461	4.446612	4.335451
CREBBP	ENSG00000005339	0.010996	6.861651	0.231297	0.81977	0.850648	-7.79898	6.853042	6.898301	6.97174	6.910172	6.862132	6.966224	7.275922	7.138087	7.219045	6.726991	6.761374	6.637899	6.723131	6.702469	6.731544	6.853916	6.747615	6.76206
TSPOAP1	ENSG00000005379	0.901197	-1.42074	5.554269	3.16E-05	0.000108	2.50428	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.814181	1.725977	1.653508	2.542344	2.451029	2.416453	1.354562	1.513652	1.739782
GCFC2	ENSG00000005436	0.147626	4.66134	2.604216	0.018232	0.030119	-4.4614	4.846543	4.856254	4.938064	5.004446	4.987618	4.803913	5.015513	4.928048	5.010523	4.290508	4.47541	4.434686	4.624704	4.600559	4.642737	4.595365	4.49993	4.4056
WDR54	ENSG00000005448	0.443483	4.811166	7.147277	1.39E-06	7.28E-06	5.004536	4.405107	4.223893	4.294909	4.955356	4.807214	4.894191	4.536652	4.583078	4.807433	4.85838	4.851948	4.881185	5.20426	5.306201	5.115953	5.299906	5.294635	5.246367
CROT	ENSG00000005469	0.819465	3.563318	6.673517	3.40E-06	1.56E-05	4.395907	3.662849	3.61855	3.443319	4.674482	4.662026	4.78306	4.111894	4.09991	4.093134	3.0698	3.232543	3.052298	3.532792	3.366191	3.462206	3.209363	3.034117	3.375875
KMT2E	ENSG00000005483	0.79935	6.003345	12.08429	6.46E-10	1.34E-08	12.7993	5.699026	5.71581	5.722344	6.61238	6.523209	6.649416	6.548402	6.670928	6.528503	5.393783	5.491258	5.285361	6.0834	6.069144	6.06837	5.844414	5.821673	5.769665
RHBDD2	ENSG00000005486	0.586114	6.665342	16.56751	3.98E-12	3.22E-10	17.9679	6.466308	6.400708	6.47472	7.112797	7.076608	7.084923	6.600985	6.60563	6.622742	6.476454	6.379856	6.491259	7.03828	6.938007	6.944028	6.502735	6.543738	6.483982
IBTK	ENSG00000005700	-0.40078	6.863108	-7.22979	1.20E-06	6.37E-06	4.906457	7.311129	7.260468	7.212082	6.862152	6.850524	6.99711	6.686381	6.76748	6.644947	7.039485	7.041173	7.036746	6.511793	6.656107	6.667239	6.729001	6.69524	6.799453
ZNF195	ENSG00000005801	-0.05445	4.89431	-0.80532	0.431456	0.496219	-7.22853	4.961483	4.949684	4.933939	4.927344	4.681813	4.76722	4.864381	4.922558	4.945952	5.1779	5.150274	4.963598	5.164598	5.093459	5.044848	4.746244	4.857415	4.836464
MYCBP2	ENSG00000005810	0.164035	5.993022	2.077084	0.052832	0.078165	-5.69879	5.792929	5.779158	5.882858	6.044055	6.051781	6.300868	6.237523	6.239047	6.104345	5.97965	6.206905	5.818136	6.05331	5.998038	6.021128	5.966946	5.879817	5.938889
FBXL3	ENSG00000005812	0.761662	4.53973	6.615132	3.80E-06	1.73E-05	4.039578	3.691678	3.872022	3.745844	4.910272	4.86605	4.839695	4.851577	4.831761	4.745547	4.509673	4.599033	4.478947	4.973543	5.043483	5.025827	4.647431	4.699246	4.567359
PDK2	ENSG00000005882	0.452232	2.833463	5.420635	4.17E-05	0.000138	1.727719	2.137484	1.591918	2.274882	1.888135	2.117603	2.064596	1.816207	1.658879	1.962896	4.048869	4.219284	4.209279	4.667899	4.693507	4.602954	3.859998	3.986735	4.029672
ITGA3	ENSG00000005884	-0.18152	8.205808	-1.33026	0.200531	0.25361	-7.07224	7.528465	7.429355	7.529523	6.988173	7.062841	6.988027	7.220985	7.190414	7.296619	8.811005	8.884572	8.896189	8.925694	8.879069	8.886765	9.797306	9.764716	9.737775
ZFX	ENSG00000005889	-0.21993	5.41262	-3.37211	0.003508	0.006911	-3.00003	5.970071	5.841962	5.84602	5.587578	5.48099	5.464914	5.869576	5.848324	5.833973	5.107097	5.226618	5.125498	5.045184	5.060335	5.161481	5.308556	5.009167	5.280993
LAMP2	ENSG00000005893	1.181257	7.415126	17.69108	1.34E-12	1.42E-10	19.05119	6.750589	6.73673	6.692989	8.153856	8.04752	8.177345	7.672464	7.620698	7.657472	6.929032	6.844734	6.832601	7.821879	7.832959	7.851979	7.317937	7.354835	7.343734
ITGA2B	ENSG00000005961	0.443175	0.449661	1.294911	0.212196	0.266565	-5.49349	2.080492	2.09705	2.221741	2.291228	3.170134	2.481849	2.957542	3.431409	3.044176	0.483018	0.398185	0.807652	0.407676	0.550009	0.533283	0.393424	0.358227	0.659518
GDE1	ENSG00000006007	1.107003	6.852663	20.95318	7.93E-14	1.73E-11	21.96347	6.485643	6.320848	6.371764	7.551266	7.510137	7.463907	7.127159	7.106965	7.226993	6.157584	6.195078	6.254437	7.255369	7.277055	7.315268	6.659706	6.637923	6.675978
REX1BD	ENSG00000006015	0.590711	4.070913	5.949025	1.41E-05	5.37E-05	2.815298	4.192962	4.14364	4.470324	4.733909	4.801196	4.531264	4.402637	4.221128	4.388669	3.463254	3.554746	3.685623	4.143408	4.385617	4.27038	4.010719	4.005291	3.487904
CRLF1	ENSG00000006016	2.386614	2.244162	4.753616	0.000171	0.000476	0.84015	3.385444	3.628412	3.745844	6.323078	6.360859	6.156332	4.528631	4.389749	4.41276	1.239286	1.265082	1.061592	1.054048	0.484926	0.957066	0.837776	0.924142	0.805046
OSBPL7	ENSG00000006025	0.571467	2.361637	4.17724	0.000599	0.001436	-1.18067	1.475543	1.465573	1.358564	1.256461	1.666451	1.526279	0.548589	0.253663	0.106501	5.077225	5.147822	5.085161	5.82303	5.560311	5.678967	4.522885	4.49993	4.637057
TMEM98	ENSG00000006042	-0.26487	2.106484	-1.68486	0.109786	0.149621	-5.3871	3.313074	3.58855	3.231147	2.688367	2.762786	3.051692	2.806512	3.178579	2.869505	1.891119	1.725977	1.780195	1.897591	1.993753	2.014873	1.784732	1.707432	1.844513
YBX2	ENSG00000006047	-0.23476	-0.27887	-1.57155	0.133982	0.178397	-5.54305	0.216396	0.215206	0.219246	0.258133	0.106501	0.106501	0.415731	0.253663	0.256032	2.461296	2.618839	2.558044	2.385571	2.416542	2.465679	2.855159	3.138674	2.944608
MAP3K14	ENSG00000006062	-2.00766	5.920338	-4.45965	0.000323	0.000836	-0.54123	8.79972	8.639698	8.704866	5.605366	5.87112	5.719334	8.33899	8.222983	8.335914	4.337085	4.247042	4.205521	4.693208	4.51757	4.70214	4.213151	4.07722	4.136669
TMEM132A	ENSG00000006118	1.142901	5.084046	8.924092	6.37E-08	5.44E-07	8.251192	5.817116	5.690142	5.899874	6.948306	7.197228	6.942912	5.985453	5.856983	5.951015	3.340597	3.640966	3.519989	4.441025	4.455227	4.402656	4.098126	4.328771	4.080593
AP2B1	ENSG00000006125	-0.09774	8.669955	-2.94624	0.008836	0.015807	-4.24421	9.01652	8.954919	8.977785	8.885609	8.837824	8.88775	8.938713	8.954622	8.893646	8.446151	8.456024	8.354108	8.340475	8.33658	8.3299	8.544629	8.454495	8.516533
ZNF263	ENSG00000006194	-0.23309	6.086329	-2.60421	0.018233	0.030119	-4.71305	6.6403	6.614281	6.568158	6.023033	6.049244	5.984314	6.452032	6.245657	6.278331	5.874627	5.868645	5.854589	5.982081	5.968584	5.923201	5.882568	5.888174	5.855713
CX3CL1	ENSG00000006210	-0.70596	1.087068	-5.91507	1.51E-05	5.69E-05	2.613298	0.587539	0.316291	0.421314	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.726788	5.714797	5.610714	5.19838	4.916583	5.000996	5.660702	5.994168	5.749576
SPATA20	ENSG00000006282	0.407748	6.100482	7.859492	3.85E-07	2.43E-06	6.228004	7.041209	7.024105	7.150322	7.438693	7.574177	7.466361	7.081285	7.041366	7.146671	4.914746	4.967692	4.859824	5.192476	5.320261	5.348066	4.841704	5.098298	4.815144
TNFRSF12A	ENSG00000006327	-0.64951	7.920823	-3.93428	0.001021	0.002304	-2.06742	8.453073	8.38758	8.508079	7.046631	7.235665	7.089176	8.274504	8.175888	8.275339	7.931779	7.853468	8.002401	7.881505	7.853247	7.91684	8.001852	7.958421	7.844954
MAP3K9	ENSG00000006432	-0.81147	5.761608	-9.7764	1.66E-08	1.80E-07	9.376504	4.081197	4.236845	4.02711	3.727576	3.574682	3.75519	3.277716	3.564249	3.572114	8.277578	8.239066	8.105067	7.378793	7.283648	7.383566	8.100405	8.106858	8.119962
RALA	ENSG00000006451	-0.38366	5.821497	-6.57611	4.10E-06	1.84E-05	3.739701	5.966143	6.004148	5.869964	5.363409	5.34696	5.394483	5.650549	5.727605	5.602211	6.124772	6.160221	6.263502	5.895085	6.050991	5.896523	6.03498	5.911317	6.002519
BAIAP2L1	ENSG00000006453	-0.78657	7.011151	-4.53781	0.000273	0.000718	-0.66693	7.956325	7.912609	7.980613	6.426761	6.553955	6.492884	6.929642	6.903269	6.961728	6.992972	6.884306	6.942239	6.79243	6.743914	6.762242	7.027023	7.111768	7.042657
KDM7A	ENSG00000006459	-0.34208	3.476099	-3.18232	0.005306	0.010026	-3.04548	3.919992	3.676739	3.773804	3.255206	3.362223	3.377995	3.388228	3.633086	3.69508	3.950439	4.01918	3.973292	3.746669	3.819851	3.658454	3.103995	3.287607	3.279535
ETV1	ENSG00000006468	1.557697	4.274579	3.082202	0.006592	0.012199	-3.12469	4.961483	5.147837	5.079193	7.372714	7.124387	7.240251	6.504093	6.51187	6.552194	2.763691	2.946841	2.649405	1.446877	1.591687	1.851631	3.366734	3.537548	3.466183
AGK	ENSG00000006530	-0.51977	6.001264	-4.86259	0.000136	0.000387	0.184592	6.808768	6.799185	6.758588	6.07247	5.930216	5.911724	6.802362	6.730259	6.740051	5.732026	5.625972	5.694882	5.445106	5.530385	5.495593	5.496293	5.431284	5.464729
ALDH3B1	ENSG00000006534	0.404836	7.207931	2.829425	0.011342	0.019746	-4.39735	8.025897	7.979155	8.076334	7.840518	8.00168	7.880634	6.922008	6.876546	6.981997	6.746966	6.725647	6.959636	7.779511	7.700378	7.735133	5.823444	6.07105	5.826176
TTC22	ENSG00000006555	0.339016	-0.38144	4.864998	0.000135	0.000385	0.754514	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.236329	3.439177	3.464463	3.629193	3.731427	3.727354	3.830273	3.667508	3.856822
PHTF2	ENSG00000006576	-0.01894	5.492138	-0.14085	0.889595	0.909493	-7.46689	6.4453	6.570189	6.4818	6.812478	6.760349	6.781444	7.483113	7.477362	7.380449	4.391063	4.274276	4.205521	3.593793	3.591587	3.734067	4.616418	4.551348	4.632189
FARP2	ENSG00000006607	0.069275	6.094569	1.239319	0.231612	0.288209	-6.99473	5.952311	5.860909	5.84602	6.009737	6.084358	5.99342	5.559008	5.567996	5.616111	6.399536	6.381944	6.409495	6.426331	6.397808	6.433614	6.360246	6.406207	6.396253
USH1C	ENSG00000006611	0.942093	0.042356	4.681466	0.0002	0.000545	0.831605	4.42241	4.406929	4.44736	5.396478	5.230876	5.431804	5.282018	5.155666	5.057123	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
GGCT	ENSG00000006625	-0.47136	4.776081	-8.62889	1.03E-07	8.12E-07	7.68612	4.735558	4.760843	4.857612	4.052041	4.186495	4.154771	4.591583	4.709588	4.66091	5.252698	5.263327	5.356567	4.971246	4.901075	4.944238	5.20581	5.201146	5.161062
DBF4	ENSG00000006634	-1.02242	4.391242	-8.07409	2.65E-07	1.77E-06	6.83802	4.569455	4.372133	4.574673	4.031135	4.051057	4.194794	4.723921	4.80814	4.782996	4.899309	4.869913	5.137382	3.617489	3.637228	3.665494	4.805497	4.773297	4.853297
TBXA2R	ENSG00000006638	-0.03518	0.494402	-0.12619	0.901019	0.918626	-6.30278	3.056542	2.836538	2.99819	3.142765	3.329147	2.865864	2.908934	2.420731	2.670735	0.483018	0.398185	0.683459	0.407676	0.345231	0.263213	0.63264	0.358227	0.497646
IFRD1	ENSG00000006652	-0.84143	6.689225	-11.0669	2.54E-09	3.91E-08	11.34452	7.774011	7.802577	7.811643	7.110307	6.932643	7.087051	7.767542	7.668214	7.753353	6.401729	6.283738	6.463992	5.43514	5.453801	5.485683	5.930987	5.759266	5.798197
COX10	ENSG00000006695	-0.1355	5.195126	-2.17257	0.043834	0.066034	-5.39307	5.546927	5.562207	5.486458	5.277258	5.14795	5.227023	5.452809	5.388507	5.466856	5.074478	5.048786	5.172459	5.188526	5.149657	5.012085	5.018176	5.072132	4.950363
GTF2IRD1	ENSG00000006704	-0.10325	6.18924	-0.57094	0.575309	0.633778	-7.56797	6.688773	6.696276	6.837983	6.0017	6.028789	6.083584	6.851417	6.866575	6.900573	5.667877	5.709818	5.832828	6.253734	6.23912	6.12947	5.70232	5.682553	5.617869
PAF1	ENSG00000006712	0.114982	6.02908	2.066834	0.053892	0.079526	-5.74322	5.784032	5.718121	5.734251	5.969096	6.142633	6.006972	5.624444	5.646681	5.79784	6.275876	6.270274	6.401304	6.297483	6.308941	6.309903	6.271233	6.241181	6.137474
VPS41	ENSG00000006715	0.587836	5.936275	8.615492	1.06E-07	8.28E-07	7.528758	5.956277	5.809819	5.939499	6.594678	6.403191	6.612955	6.428516	6.250046	6.340354	5.516232	5.471785	5.484585	5.996837	6.031182	5.992021	5.522553	5.447207	5.507891
ARHGAP44	ENSG00000006740	0.674132	-0.83498	2.923122	0.009285	0.016514	-2.73477	3.085796	3.169391	3.013906	3.714523	3.560502	3.838399	3.258446	3.285084	3.084728	0.106501	0.106501	0.106501	0.106501	0.190544	0.106501	0.106501	0.106501	0.106501
ELAC2	ENSG00000006744	-0.19113	6.750532	-4.07104	0.000756	0.001766	-1.66573	7.088947	7.098723	7.178485	6.737027	6.822574	6.798429	7.053603	7.091148	7.069211	6.59139	6.463081	6.573748	6.491098	6.473152	6.502067	6.587802	6.581329	6.560288
SCIN	ENSG00000006747	1.240139	2.321385	17.7254	1.30E-12	1.39E-10	19.20786	0.41387	0.582935	0.679585	1.457877	1.498102	1.422231	0.415731	0.509405	0.735084	4.980776	5.040879	5.097381	6.221239	6.187642	6.230242	4.280646	4.521577	4.510131
ARSD	ENSG00000006756	0.321416	6.266247	3.523435	0.002518	0.005157	-2.83963	6.416805	6.439039	6.403429	6.318771	6.430738	6.326315	5.853613	5.983638	5.863407	6.092554	6.108198	6.181698	6.748169	6.779969	6.729026	6.120972	6.162072	6.18645
PNPLA4	ENSG00000006757	-0.38944	4.300515	-2.38739	0.028504	0.044934	-4.82559	5.227386	5.349122	5.303557	4.281793	4.310303	4.249025	4.225415	4.119235	4.170531	4.266643	4.024536	4.317702	4.444342	4.363157	4.293286	4.047354	3.942484	3.856822
ADIPOR2	ENSG00000006831	0.15507	7.135244	3.286263	0.004232	0.00819	-3.41122	7.088044	7.087148	7.095064	7.420722	7.337932	7.432448	7.473744	7.564532	7.570017	6.833984	6.819534	6.856165	6.872159	6.880653	6.789886	7.148827	7.15188	7.205548
MARK4	ENSG00000007047	1.352205	6.287313	7.455079	7.92E-07	4.49E-06	5.491191	6.364052	6.423545	6.511164	8.146585	8.215308	8.173845	7.991228	7.864922	8.093536	4.829349	4.784095	4.883539	5.49233	5.499826	5.36978	5.010245	5.027439	4.985143
CCDC124	ENSG00000007080	-0.38346	5.231139	-3.72797	0.001607	0.003452	-2.19082	5.83014	6.03969	6.005837	5.185634	5.550798	5.283793	5.747035	5.484771	5.559688	4.769473	4.833757	5.160861	4.82626	4.837324	4.739314	5.110102	5.018332	4.914724
PAFAH1B1	ENSG00000007168	0.211666	7.278758	5.751853	2.11E-05	7.54E-05	1.946461	7.788541	7.876856	7.767132	8.041399	8.001024	8.056019	8.118256	8.091569	8.151954	6.520509	6.475845	6.434595	6.656782	6.658876	6.697605	6.614207	6.614947	6.646104

KIAA0100	ENSG00000007202	0.762985	8.333694	5.075157	8.62E-05	0.000259	0.410711	7.972567	7.982523	7.993055	9.35019	9.338006	9.384318	8.728524	8.700924	8.66453	7.972549	8.020931	7.871849	8.145939	8.077096	8.08904	7.941265	7.914098	7.947473
GAS7	ENSG00000007237	-0.38575	-0.19272	-0.84492	0.409571	0.474656	-5.90021	3.774862	3.888531	4.050156	3.290819	3.31232	3.405543	3.296733	3.462004	3.218306	0.190076	0.106501	0.106501	0.407676	0.26996	0.106501	0.257084	0.19538	0.106501
TRAPPC6A	ENSG00000007255	0.170323	4.349302	1.756398	0.096526	0.133699	-6.05724	4.296689	3.952741	4.019345	3.714523	3.747367	3.786958	3.277716	3.250449	3.143496	5.093595	5.019578	5.290692	5.565727	5.4665	5.420597	4.958973	4.949728	4.832225
ST7L	ENSG00000007341	-0.41035	3.969091	-4.62487	0.000226	0.000608	-0.04319	4.066597	4.287521	4.208773	3.456785	3.260629	3.523386	3.761137	3.736817	3.844255	4.497421	4.51019	4.548836	4.334248	4.358622	4.27499	4.213151	4.035699	4.242679
PAX6	ENSG00000007372	0.387898	-1.68928	1.765996	0.094857	0.13163	-4.71922	1.990546	1.591918	1.818408	1.978268	2.460774	2.064596	2.058296	2.147141	2.440135	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RPUSD1	ENSG00000007376	-0.19683	5.822621	-2.40157	0.027693	0.043795	-5.06112	6.214805	6.255527	6.453268	6.110336	6.430738	6.083584	6.130298	6.025209	6.079477	5.534334	5.542561	5.846165	5.441792	5.347976	5.310386	5.605616	5.605589	5.277879
RHBDF1	ENSG00000007384	0.017194	5.375088	0.148172	0.883903	0.905193	-7.62509	5.687145	5.725032	5.661287	5.254892	5.287935	5.283793	5.639419	5.599299	5.559688	5.233128	5.21026	5.238315	5.718713	5.495702	5.544145	5.110102	5.135275	5.01537
LUC7L	ENSG00000007392	0.037995	5.371228	0.638041	0.531718	0.593144	-7.42938	5.227386	5.231103	5.274496	5.28169	5.313527	5.352637	5.590171	5.473553	5.500968	5.534334	5.467858	5.478369	5.509846	5.460164	5.51521	5.408497	5.35134	5.353773
BAIAP3	ENSG00000007516	0.703815	2.289513	3.296475	0.004138	0.008028	-2.71193	2.165157	1.508929	2.166567	0.841981	1.087782	1.250575	1.70672	1.85606	1.620777	3.091698	3.381904	3.353367	4.386902	4.264807	4.12984	3.928936	3.800954	3.707454
TSR3	ENSG00000007520	-0.11639	5.801867	-1.50464	0.150272	0.197249	-6.59065	6.031501	6.127503	6.108212	5.684481	5.827376	5.735705	5.729647	5.629937	5.683673	5.66057	5.78433	5.948645	5.914344	5.889066	5.803856	5.909826	5.821673	5.622786
PIGQ	ENSG00000007541	1.010057	4.295345	12.98268	2.08E-10	5.56E-09	14.11707	3.613482	3.7235	3.871922	4.784753	4.888929	4.992837	4.293266	4.138304	4.198517	4.082065	4.292151	4.100159	5.096674	4.92887	4.926766	4.208537	4.395944	4.177341
CRAMP1	ENSG00000007545	-0.29495	3.878529	-2.98013	0.008216	0.014801	-3.54934	4.296689	4.330447	4.382257	3.933121	3.517104	3.678224	3.788265	4.157125	3.808383	4.026306	4.107636	4.046548	3.95166	4.045377	4.067427	3.830273	3.916575	3.716682
TEAD3	ENSG00000007866	0.321702	4.33358	4.144567	0.000643	0.00153	-1.29958	3.509372	3.209365	3.454879	3.20008	3.362223	3.136338	2.667326	2.777669	2.892531	5.627223	5.561109	5.565981	6.057648	5.90936	6.033424	5.70396	5.613675	5.625238
DNAJC11	ENSG00000007923	-0.35615	6.649531	-5.81444	1.86E-05	6.75E-05	2.11261	7.169721	7.095171	7.197533	6.534673	6.564651	6.637848	6.971664	6.834781	6.893457	6.544525	6.492369	6.522559	6.416233	6.342624	6.347596	6.449959	6.432727	6.514726
MYLIP	ENSG00000007944	0.114428	5.30223	1.185709	0.251608	0.310299	-6.91087	5.638616	5.768048	5.734251	5.615935	5.367468	5.468184	5.527156	5.38452	5.431918	5.09088	5.085124	5.013889	5.401413	5.566222	5.451472	4.874113	4.897703	4.810842
E2F2	ENSG00000007968	-1.71844	2.713474	-8.95594	6.05E-08	5.20E-07	8.594934	3.672523	3.657602	3.707702	2.577385	2.660129	2.94309	3.705302	3.809996	3.90213	3.385609	3.116952	3.203153	1.27873	1.560439	1.284217	3.094024	3.022017	3.035906
PSMB1	ENSG00000008018	-0.29018	7.337617	-5.26038	5.83E-05	0.000184	0.869212	7.500224	7.545821	7.463818	6.998979	7.043854	6.988027	7.366457	7.405395	7.389583	7.443962	7.419097	7.485703	7.303185	7.352537	7.355545	7.408227	7.370427	7.402811
SYN1	ENSG00000008056	-0.96648	-0.64882	-3.09795	0.006372	0.01183	-2.38268	3.593253	3.8803	3.454879	2.91067	2.762786	2.805104	3.19904	3.384264	3.543305	0.190076	0.259702	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
JARID2	ENSG00000008083	0.229279	4.849126	3.00101	0.007855	0.014223	-3.81216	3.701161	3.812706	3.755225	3.988393	4.240862	4.146631	3.891945	3.3682	3.614278	5.821561	5.806264	5.872475	6.051137	5.971557	6.026606	6.196311	6.13424	6.083215
CDKL5	ENSG00000008086	0.74355	3.907065	7.159321	1.36E-06	7.14E-06	5.24614	4.730936	4.584615	4.715879	5.491368	5.492239	5.596232	3.866715	3.999201	3.979442	3.322191	3.365114	3.093551	3.789021	3.68147	3.78667	2.990321	2.868308	3.021085
NADK	ENSG00000008130	0.215317	5.814966	3.079196	0.006635	0.012264	-3.69946	6.106569	6.139622	6.138993	6.532815	6.504813	6.538701	5.982519	5.957035	5.923331	5.475171	5.440069	5.548285	5.577856	5.481175	5.505435	5.444259	5.504857	5.359675
CYTH3	ENSG00000008256	-0.19307	5.870075	-0.5667	0.578124	0.636289	-7.59012	6.642763	6.568909	6.652149	4.502891	4.56592	4.598452	5.082792	5.132077	5.136423	6.038616	6.152903	6.151739	7.155717	6.960624	7.029044	6.020575	5.997261	5.81333
ADAM22	ENSG00000008277	0.66203	2.967564	5.607021	2.84E-05	9.77E-05	2.353901	2.798329	3.182839	3.104764	3.562554	3.759832	3.744443	3.571163	3.605944	3.655245	2.664903	2.687979	2.756026	3.057395	3.173121	3.396027	2.706012	2.770449	2.59029
SYPL1	ENSG00000008282	0.153425	6.955378	1.987821	0.062729	0.091177	-5.96499	6.72176	6.8187	6.767886	7.305749	7.075362	7.172715	6.864222	6.933604	6.916106	6.904498	6.981146	6.960751	6.839157	6.914257	6.887949	7.090465	7.095261	7.16399
CYB561	ENSG00000008283	0.627539	6.857538	5.126508	7.73E-05	0.000236	0.603886	5.340935	5.334134	5.41428	6.538381	6.72423	6.646533	6.143489	6.095194	6.031013	7.517091	7.477872	7.528449	7.748324	7.767336	7.725481	7.926591	7.889335	7.872049
SPAG9	ENSG00000008294	-0.2076	7.233406	-6.37469	6.07E-06	2.57E-05	3.202851	7.656456	7.551015	7.612505	7.366469	7.353436	7.455695	7.335757	7.346145	7.26829	7.271825	7.237294	7.155459	7.001607	7.01278	7.048023	6.903289	6.887559	6.918197
CELSR3	ENSG00000008300	0.230701	4.063321	1.715948	0.103843	0.142502	-6.01136	3.936145	3.8803	4.080323	3.425084	3.759832	3.445903	3.33403	3.491964	3.82044	4.404248	4.634494	4.260892	4.936342	4.875912	4.94134	4.714053	4.221756	4.641909
AASS	ENSG00000008311	1.117809	1.653636	4.044535	0.000801	0.00186	-0.68418	1.861169	1.374745	1.78216	3.359513	2.948483	2.980206	2.981245	2.728183	2.959482	1.586365	1.851833	1.46518	1.733794	1.993753	1.695314	1.286141	1.581179	1.81044
PLEKHG6	ENSG00000008323	1.151393	1.021378	5.498417	3.55E-05	0.000119	2.039301	0.41387	1.173893	0.421314	0.635873	0.106501	0.461789	0.548589	0.726566	0.256032	3.358771	3.339557	3.240362	4.531115	4.553723	4.527685	3.290193	3.440885	3.241681
SS18L2	ENSG00000008324	0.276106	3.497585	1.479908	0.156698	0.204494	-6.24828	2.19231	2.470453	2.079636	3.57705	3.855857	3.643939	2.480375	3.102941	3.00245	4.468423	4.292151	4.362268	4.241981	4.255082	4.237689	4.60593	4.372311	4.488745
MPND	ENSG00000008382	0.536739	3.529785	6.916964	2.14E-06	1.06E-05	4.812704	3.487617	3.298545	3.190238	3.791129	3.855857	3.700636	3.523527	3.550079	3.708117	3.64455	3.330936	3.590847	4.118714	4.034047	3.945482	3.560228	3.659719	3.805852
MGST1	ENSG00000008394	0.287355	8.388148	3.983801	0.000916	0.002096	-1.97672	8.759154	8.759534	8.731842	9.219712	9.125376	9.17516	9.136722	9.109402	9.104931	7.815693	7.78884	7.763231	7.875683	7.965601	7.940249	7.563085	7.591733	7.649213
CRY1	ENSG00000008405	-0.49969	4.919929	-1.39993	0.179036	0.229565	-6.44862	6.54082	6.546977	6.615279	5.117849	5.221894	5.139498	6.395819	6.318523	6.389741	3.591745	3.447177	3.549937	4.753268	4.689902	4.435973	3.637781	3.772348	3.591857
NFIX	ENSG00000008441	0.427494	4.009555	1.731689	0.10094	0.139042	-5.70485	5.153322	5.120143	5.30675	5.015132	5.128856	5.085168	5.609312	5.458458	5.670411	1.940223	2.249583	2.136592	3.575762	3.606961	3.65138	3.341669	3.32748	3.228839
ST3GAL1	ENSG00000008513	0.353202	3.33124	1.304151	0.209096	0.263111	-5.50803	9.176344	9.146621	9.131332	9.513123	9.513427	9.523615	9.94525	9.898351	9.944255	0.415169	0.259702	0.16959	0.171976	0.190544	0.335616	0.183756	0.433238	0.214669
IL32	ENSG00000008517	0.917234	2.118616	3.870374	0.001175	0.002602	-1.36331	2.438959	2.748839	2.274882	2.97776	3.012388	2.675323	1.317361	0.824004	1.0941	2.356666	2.212518	2.546206	3.332595	3.310934	3.387537	2.819293	2.881762	2.570068
PKD1	ENSG00000008710	-0.38884	6.04572	-5.20263	6.58E-05	0.000205	0.905108	6.655014	6.614281	6.847881	6.318771	6.501105	6.271226	6.534451	6.318523	6.474207	5.655065	5.922715	5.799558	5.44345	5.390798	5.28547	5.878217	5.759266	5.580449
MAPK8IP2	ENSG00000008735	1.540464	0.983473	5.666365	2.51E-05	8.78E-05	2.726088	1.336422	1.508929	0.898566	2.143217	2.633282	2.784269	1.317361	0.824004	0.925731	1.158593	1.152172	1.248523	2.009285	2.039797	2.23906	1.734264	1.737342	1.973284
MED24	ENSG00000008838	-0.28915	6.607967	-4.20527	0.000563	0.001363	-1.36839	6.764225	6.817622	6.8761	6.178467	6.327751	6.394924	6.741204	6.551532	6.661798	6.71734	6.754944	6.764628	6.71903	6.567528	6.64337	6.596658	6.584417	6.557723
RHOBTB2	ENSG00000008853	0.032379	6.317984	0.272598	0.788357	0.824176	-7.67104	7.198464	7.238902	7.258994	7.402524	7.567102	7.505873	7.061964	7.196113	7.019088	5.41565	5.361828	5.483033	5.19838	5.167914	5.113381	5.677494	5.697845	5.572848
HEATR5B	ENSG00000008869	0.521471	5.015663	7.491765	7.41E-07	4.24E-06	5.616645	4.69816	4.639292	4.799861	5.408686	5.33034	5.387592	5.038289	4.922558	4.789145	5.060666	5.188951	4.963598	5.498724	5.372923	5.493616	4.783949	4.881053	4.857474
SEC62	ENSG00000008952	-0.04682	7.086579	-0.65023	0.524	0.585635	-7.63009	7.215107	7.192288	7.174995	7.109061	6.990643	7.182701	7.419472	7.432684	7.475965	7.021772	7.020547	6.985069	6.977203	7.04418	6.993819	6.798194	6.875001	6.848549
RPS20	ENSG00000008988	-0.14404	9.076548	-4.21088	0.000556	0.001348	-1.53603	9.278262	9.271656	9.247428	9.104981	9.086318	8.999589	9.139029	9.170887	9.178498	9.083982	9.061417	8.968101	8.867131	8.985833	8.993769	8.9604	8.994137	9.03633
CSDE1	ENSG00000009307	-0.1714	9.054926	-3.52873	0.002489	0.005104	-3.03979	9.09145	9.094875	9.038348	8.747451	8.681169	8.75484	8.918137	8.963002	8.962248	9.238888	9.235916	9.222994	9.188888	9.218671	9.237049	9.127517	9.140696	9.177308
UBE3C	ENSG00000009335	-0.40415	7.8567	-13.7779	8.03E-11	2.85E-09	14.81116	8.372644	8.414905	8.387341	7.919429	7.970514	8.002902	8.170094	8.14558	8.167967	7.774825	7.703756	7.729933	7.377926	7.386343	7.308538	7.603624	7.527922	7.575683
REV3L	ENSG00000009413	0.116932	5.197136	1.091451	0.289892	0.35122	-6.98954	5.672757	5.651972	5.722344	5.428807	5.279302	5.587238	5.409787	5.539589	5.346947	4.799721	5.051412	4.742826	5.286012	5.352544	5.267074	4.714053	4.710599	4.731125
PAX7	ENSG00000009709	0.130342	1.162346	0.786086	0.442345	0.506456	-6.02146	7.308029	7.404459	7.36082	7.425737	7.554636	7.489072	7.259054	7.244214	7.163334	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
FAM76A	ENSG00000009780	0.006761	2.665041	0.089535	0.929675	0.942513	-7.06999	2.649532	2.674627	2.514675	2.48816	2.605925	2.557474	2.480375	2.451551	2.588518	3.463254	3.1855	3.180357	3.221013	3.375198	3.326666	3.011667	3.138674	3.093712
POMT2	ENSG00000009830	-0.20848	5.011428	-2.75555	0.013266	0.022714	-4.22279	5.779563	5.745568	5.821672	5.601826	5.713437	5.566032	5.120637	5.293887	5.046897	4.826087	4.739193	4.729802	4.621778	4.480488	4.444184	4.581158	4.477953	4.488745
VTA1	ENSG00000009844	-0.28157	6.254633	-2.93812	0.008991	0.016044	-4.06456	6.805475	6.844314	6.812375	6.204376	6.064398	6.164417	6.375839	6.391864	6.361138	6.154986	6.110718	6.138988	6.21154	6.196562	6.218323	5.942147	5.926002	6.015662
MLXIPL	ENSG00000009950	-0.25758	0.986916	-1.50165	0.151039	0.198035	-5.43701	2.021155	1.780637	1.744977	1.393812	1.373859	1.310092	1.816207	1.945386	1.777424	1.315703	1.369793	1.360915	1.186687	1.528499	1.639204	1.65509	1.851139	1.81044
BAZ1B	ENSG00000009954	-0.16218	7.832262	-3.21526	0.004939	0.009397	-3.62187	7.921253	7.933643	7.911505	7.916582	7.887746	7.987034	8.087873	8.197072	8.039761	7.768466	7.784505	7.735482	7.441537	7.443661	7.44469	7.860115	7.851375	7.887453
RANBP9	ENSG00000010017	0.460847	5.509291	8.493461	1.30E-07	9.75E-07	7.370076	4.992709	5.022548	5.002498	5.733834	5.547207	5.602196	5.760796	5.842522	5.677057	5.27918	5.29248	5.28714	5.651439	5.534411	5.64909	5.936577	5.953337	6.000631
ETV7	ENSG00000010030	-0.27257	1.685529	-1.40244	0.178297	0.228782	-6.02213	1.475543	1.744817	1.78216	0.841981	1.307481	1.055701	0.670238	1.367163	0.833554	3.0698	2.958081	3.149392	3.013417	2.714997	3.116699	3.530961	3.743163	3.641153
SPRTN	ENSG00000010072	-0.18631	4.380089	-1.50464	0.150274	0.197249	-6.2108	5.32262	5.288212	5.309937	4.833866	4.7142	4.829562	5.30568	5.535999	5.396113	3.420635	3.5985	3.696374	3.899458	3.826433	3.831176	3.824254	3.757829	3.889829
EEF1AKNM	ENSG00000010165	0.227262	6.867397	3.887364	0.001132	0.002519	-2.10435	6.576037	6.502086	6.530413	6.914459	6.917424	6.960431	6.599072	6.361757	6.4988	7.156437	7.009109	7.072262	7.226768	7.125831	7.162545	7.127599	7.037081	7.068114
DYRK4	ENSG00000010219	-0.66785	-0.2824	-1.69637	0.107553	0.147042	-4.90222	3.801557	4.029182	3.88052	3.237064	3.394558	3.349911	3.33403	3.318907	3.82044	0.190076	0.330605	0.106501	0.106501	0.106501	0.186984	0.106501	0.19538	0.214669
ZNF207	ENSG00000010244	-0.2723	7.726238	-5.64682	2.61E-05	9.08E-05	1.674963	7.992013	7.92966	7.997014	7.651412	7.622756	7.651759	8.284065	8.259909	8.226338	7.615319	7.515924	7.543413	7.332563	7.330709	7.359892	7.631037	7.600914	7.657023
UQCRC1	ENSG00000010256	-0.50505	7.57713	-9.7011	1.87E-08	1.98E-07	9.164146	7.813894	7.775649	7.803755	7.161705	7.311714	7.177716	7.497567	7.470795	7.513582	7.828791	7.75097	7.802635	7.396022	7.324329	7.366927	7.868548	7.836339	7.829619
STARD3NL	ENSG00000010270	0.078393	5.556371	1.612658	0.124728	0.167721	-6.37972	5.596044	5.654387	5.731878	5.772136	5.684306	5.657664	5.843949	5.854103	5.833973	5.389369	5.425972	5.427652	5.498724	5.566222	5.485683	5.380055	5.387157	5.394592
CD9	ENSG00000010278	0.915592	5.87815	7.086813	1.56E-06	8.01E-06	4.64986	3.682132	3.537122	3.783005	2.999448	3.207016	3.216292	3.296733	3.318907	3.655245	8.049391	8.046168	8.057647	9.14128	9.218358	9.181041	8.252154	8.30492	8.235211
NCAPD2	ENSG00000010292	-0.88848	6.027065	-7.98418	3.09E-07	2.02E-06	6.396848	5.899743	5.873404	5.86564	5.491368	5.637789	5.535187	5.98838	6.025209	5.903632	6.829103	6.778911	6.705983	5.455005	5.633455	5.528785	6.572622	6.562656	6.630321
GIPR	ENSG00000010310	0.243965	-0.17515	1.443508	0.166562	0.215551	-5.54975	0.503316	0.499412	0.323815	0.635873	0.389229	0.3528	0.415731	0.387194	0.515351	1.940223	1.752042	1.631268	2.044674	1.710321	2.121111	1.419885	1.581179	1.81044
PHF7	ENSG00000010318	0.045088	0.797208	0.262513	0.795996	0.830383	-6.55428	1.959273	1.849715	1.921989	1.393812	1.556428	1.669505	1.160105	0.915275	1.0941	1.586365	1.369793	1.439812	1.838325	1.846087	1.610309	1.13872	1.206659	1.273688
NISCH	ENSG00000010322	0.271777	5.673082	4.359988	0.000402	0.00101	-0.92033	5.590951	5.572461	5.727119	5.615935	5.779205	5.628736	5.67619	5.492201	5.56328	5.629096	5.611808	5.624853	6.098213	5.990731	6.064381	5.66576	5.669038	5.639864
FUZ	ENSG00000010361	0.110379	1.633419	0.776534	0.447816	0.511938	-6.676	1.519087	1.551021	1.62731	0.934951	1.2379	1.188496	1.160105	1.430416	0.925731	3.08079	2.85362	3.247691	3.388755	3.310934	3.308792	2.692858	2.770449	2.350536
IDS	ENSG00000010404	0.415695	7.487078	7.746048	4.70E-07	2.87E-06	5.793674	6.1677	6.239528	6.048426	6.560435	6.70502	6.65373	6.257073	6.073067	6.061811	8.49267	8.54187	8.444571	8.827837	8.881639	8.883184	8.682025	8.742505	8.708854
ZNF200	ENSG00000010539	-0.65346	4.951671	-8.47334	1.34E-07	1.00E-06	7.390911	5.2241	5.204977	5.075454	4.325376	4.551652	4.218286	4.4712	4.709588	4.640652	5.512178	5.413777	5.539356	4.955062	4.944083	5.000996	5.496293	5.356168	5.380146
LRRC23	ENSG00000010626	0.044133	3.592188	0.529352	0.60322	0.659781	-7.07833	3.944154	4.036608	4.034833	3.753334	3.89028	3.75519	3.774765	3.749274	3.946814	3.471629	3.517242	3.419749	3.783794	3.576046	3.72061	3.43152	3.413359	3.601852
HFE	ENSG00000010704	1.217317	3.638476	9.505576	2.53E-08	2.53E-07	9.394423	3.774862	4.150501	3.638424	5.325276	5.114368	5.167927	4.80585	4.928048	4.91817	2.777267	2.546219	2.382761	3.281595	3.310934	3.244428	2.946659	2.921385	2.84714
SCMH1	ENSG00000010803	0.904026	4.29741	8.292182	1.82E-07	1.29E-06	7.224425	3.476616	3.59862	3.773804	4.938614	4.877535	4.824468	4.716879	4.690335	4.613192	4.182415	3.936355	3.973292	4.673561	4.627193	4.452348	4.500412	4.405289	4.494122
FYN	ENSG00000010810	0.234479	1.857171	3.429862	0.003091	0.006182	-2.58837	0.587539	0.582935	0.756332	0.841981	0.828511	1.123626	0.548589	0.824004	0.629397	4.364327	4.415514	4.338442	4.589193	4.476309	4.606616	4.426844	4.423801	4.286716
HIVEP2	ENSG00000010818	0.48611	4.865415	6.014915	1.24E-05	4.78E-05	2.787228	4.846543	4.988492	4.925655	5.077635	5.049849	5.110498	5.157514	5.164994	5.165072	4.323269	4.411431	4.310722	5.066862	5.02357	5.103047	4.900099	4.847164	5.03025
ELOA	ENSG00000011007	-0.3627	6.969678	-10.387	6.69E-09	8.50E-08	10.26223	6.667162	6.624173	6.707559	6.243524	6.377132	6.311829	6.587536	6.647826	6.544946	7.60679	7.57187	7.649228	7.253008	7.238089	7.24475	7.456697	7.397606	7.549455
LYPLA2	ENSG00000011009	0.497705	7.017546	7.968179	3.18E-07	2.07E-06	6.243308	5.946343	5.99083	6.029223	6.211362	6.375108	6.280554	6.335028	6.256606	6.373466	7.608215	7.606659	7.60676	8.250514	8.202263	8.198957	7.771391	7.79383	7.72147
CLCN6	ENSG00000011021	0.217309	3.555396	1.980512	0.063609	0.092296	-5.42286	3.17016	2.9974	3.419917	3.753334	3.362223	3.765857	3.388228	3.592179	3.586306	4.087524	3.919204	4.008229	4.01993	4.067774	4.12984	3.567454	3.835933	3.571657
MRC2	ENSG00000011028	3.492283	4.088981	8.104738	2.51E-07	1.69E-06	7.063793	2.649532	2.636038	2.739267	7.005693	7.221089	6.931113	4.877071	4.59693	4.807433	2.282443	2.632935	2.485514	4.234338	4.235431	4.351192	4.199264	4.071361	4.037057
TSPAN9	ENSG00000011105	-0.14875	2.729181	-1.00658	0.327869	0.391292	-6.28667	4.538049	4.484999	4.314076	4.092964	4.139571	4.130213	4.479546	4.59693	4.45204	1.555182	1.300837	1.631268	1.878105	1.793303	1.851631	1.880661	1.737342	1.942153
BTBD7	ENSG00000011114	0.26049	6.045634	4.337532	0.000422	0.001054	-1.00142	5.717835	5.741029	5.703085	6.097824	6.056841	6.087841	6.346481	6.425243	6.346621	5.970815	5.98997	5.853388	6.087648	6.103425	6.123092	6.094959	6.232019	6.251386
APBA3	ENSG00000011132	0.057245	3.380661	0.557103	0.584521	0.642139	-7.04569	3.633432	3.59862	3.845818	3.441022	3.441741	3.349911	3.315502	3.250449	3.357206	3.303547	3.470912	3.549937	3.719554	3.752319	3.6725	3.644629	3.651889	3.328509
MKS1	ENSG00000011143	-0.13813	3.950412	-1.78959	0.090861	0.12674	-5.82737	4.152058	4.190995	4.145977	3.766043	3.855857	3.700636	3.676552	3.786013	3.655245	4.295234	4.251617	4.213027	4.376523	4.190213	4.223448	3.951202	4.263465	4.115895
ABHD5	ENSG00000011198	-0.11009	5.18002	-1.18339	0.2525	0.311238	-6.89974	4.95357	4.921884	4.892035	5.213737	5.212855	5.313181	5.218618	5.088621	5.207006	5.499947	5.481554	5.467426	5.049546	5.093459	5.105638	5.496293	5.356168	5.406045
ANOS1	ENSG00000011201	2.451308	-0.51122	11.90184	8.20E-10	1.63E-08	12.62212	0.106501	0.106501	0.219246	0.395333	0.512209	0.2349	0.106501	0.253663	0.256032	1.555182	1.875739	1.248523	3.409264	3.544454	3.593499	1.903678	2.146913	2.003758
AKAP8L	ENSG00000011243	-0.12948	5.842516	-2.84479	0.010977	0.019171	-4.17777	6.239421	6.193765	6.172636	6.137487	6.049244	6.131801	6.314182	6.405702	6.325625	5.577652	5.56295	5.616386	5.542705	5.345687	5.376231	5.577264	5.524288	5.552378
MBTD1	ENSG00000011258	0.78968	4.289406	8.370462	1.59E-07	1.15E-06	7.31523	3.810347	3.768792	3.88052	4.171485	4.213935	4.096805	4.111894	4.299455	4.252911	4.161861	4.322908	4.182763	5.166607	5.22881	5.151487	4.570409	4.605057	4.607598
UTP18	ENSG00000011260	0.125788	6.219148	1.597155	0.128152	0.171613	-6.51271	5.999192	6.088736	5.999931	6.512219	6.428788	6.372415	6.089987	6.095194	6.145661	6.286596	6.215126	6.349456	6.201776	6.205427	6.160946	6.478027	6.334638	6.340636
RNF216	ENSG00000011275	0.09183	6.480215	2.470017	0.024073	0.038699	-5.01667	6.764225	6.702125	6.746881	6.812478	6.77884	6.765586	6.971664	6.929505	6.949428	6.137986	6.04635	6.082734	6.254679	6.196562	6.202679	6.184612	6.235953	6.189767
TTC19	ENSG00000011295	-0.27648	6.192552	-2.04144	0.056601	0.083222	-5.7547	7.026197	6.951322	7.065207	6.281638	6.203217	6.188405	6.843356	6.85221	6.796075	5.589243	5.573951	5.589242	5.775111	5.940035	5.844744	5.715389	5.795257	5.826176
PTBP1	ENSG00000011304	-0.27124	8.418747	-4.45838	0.000324	0.000838	-0.94307	8.658698	8.656966	8.747202	8.515012	8.639195	8.463193	8.658121	8.603943	8.676602	8.25895	8.257663	8.404563	7.904562	7.928221	7.943872	8.498362	8.444331	8.357868
DPF1	ENSG00000011332	-0.37926	0.802901	-2.82733	0.011392	0.019822	-3.2678	1.12723	1.118985	0.679585	0.742604	0.92021	0.746642	0.983587	1.001115	1.171446	2.30136	2.249583	2.34226	1.99126	2.016959	1.992654	2.35157	2.315011	1.973284
SYT7	ENSG00000011347	0.896258	2.812388	12.59225	3.38E-10	7.97E-09	13.5633	0.947665	1.061904	1.028027	0.934951	1.087782	0.830331	1.074544	1.001115	0.735084	5.362601	5.40559	5.41143	6.443833	6.26963	6.253788	5.63686	5.595419	5.531613
LARS2	ENSG00000011376	-0.17951	5.247434	-3.81894	0.001315	0.002881	-2.03665	5.2241	5.175008	5.204319	5.180897	5.075006	5.159862	5.208612	5.132077	5.165072	5.491736	5.425972	5.53487	5.258017	5.238714	5.212843	5.55381	5.405901	5.507891
PIK3C2A	ENSG00000011405	0.268087	5.751775	5.411156	4.25E-05	0.00014	1.362986	5.797357	5.938276	5.826129	6.173706	6.154483	6.299033	5.750487	5.874148	5.800886	5.629096	5.655617	5.461135	5.740459	5.829692	5.706532	5.465685	5.449467	5.481066
PLAUR	ENSG00000011422	0.239307	6.895291	1.562256	0.136152	0.180829	-6.63431	6.284277	6.317804	6.275633	7.246902	7.272016	7.154564	6.868994	6.81121	6.897731	7.108909	7.023225	7.166617	6.839787	6.731693	6.74656	7.214732	7.213028	7.172398
ANLN	ENSG00000011426	-1.70964	6.270352	-5.89118	1.59E-05	5.93E-05	2.395481	6.968467	6.973738	6.897437	6.354972	6.399213	6.324512	7.088123	7.200655	7.001986	6.764964	6.683944	6.808027	3.904282	3.993677	3.974116	6.703814	6.624981	6.711029
WIZ	ENSG00000011451	0.85269	5.622511	11.88006	8.44E-10	1.67E-08	12.54705	4.855064	4.804995	5.060398	5.90734	5.962929	5.958972	5.767627	5.477302	5.725949	5.240498	5.340512	5.396673	6.052224	6.002404	6.005955	6.138057	6.121538	5.952623
RABGAP1	ENSG00000011454	0.348831	6.124662	8.221159	2.06E-07	1.43E-06	6.781222	5.588399	5.704199	5.620809	6.087736	6.061883	6.029279	5.672555	5.767957	5.673738	6.445965	6.487528	6.434595	6.763516	6.694395	6.778568	6.31589	6.270882	6.24183
QPCTL	ENSG00000011478	0.226635	3.77865	2.473179	0.023917	0.038483	-4.49545	4.351916	4.223893	4.102541	4.290615	4.284653	4.170914	4.393833	3.868266	4.132351	3.349712	3.423044	3.451828	3.86027	3.738425	3.78667	3.630901	3.520448	3.387478
PPP5C	ENSG00000011485	-0.34568	6.434937	-7.79416	4.32E-07	2.68E-06	6.00266	6.45374	6.41787	6.4818	6.211362	6.216843	6.202215	6.44139	6.471088	6.35286	6.596185	6.674605	6.722514	6.260335	6.253845	6.233798	6.741831	6.73655	6.671239
CEP68	ENSG00000011523	0.529838	4.53353	7.171438	1.33E-06	7.01E-06	5.032563	4.369865	4.197635	4.294909	4.778495	4.752128	4.879531	3.440463	3.178579	3.681923	5.123134	4.978771	4.895252	5.490727	5.512128	5.51326	4.609434	4.580516	4.59264
MAP4K3	ENSG00000011566	0.263991	5.453986	3.769949	0.001465	0.003175	-2.17646	5.304069	5.325066	5.248163	5.768983	5.735694	5.906913	5.392213	5.495903	5.404147	5.495847	5.525662	5.40489	5.448413	5.499826	5.650865	5.380055	5.391866	5.403191
TMEM159	ENSG00000011638	0.323301	3.973609	2.743172	0.013618	0.023251	-4.15158	3.774862	3.667203	3.736403	3.21869	3.207016	3.335661	3.423261	3.521314	3.143496	4.476768	4.506366	4.441093	5.081845	5.029288	5.068941	4.55958	4.596923	4.572451
GABRA3	ENSG00000011677	0.596095	1.325872	7.285219	1.08E-06	5.87E-06	5.461418	0.318509	0.410755	0.421314	0.395333	0.828511	0.461789	0.269385	0.253663	0.629397	4.19764	4.247042	4.112253	4.718081	4.70069	4.820398	4.386563	4.242761	4.280507
BRCA1	ENSG00000012048	-1.91874	4.697826	-6.18078	8.89E-06	3.59E-05	3.260504	5.53637	5.533626	5.503257	4.915985	4.813207	4.788301	5.109925	5.002785	5.041756	5.422146	5.544427	5.396673	2.67247	2.565626	2.618601	5.19652	5.193075	5.137206
ERCC1	ENSG00000012061	0.061727	6.075164	0.436848	0.667571	0.717384	-7.62821	6.507427	6.42071	6.501443	5.969096	6.166236	6.077174	6.591391	6.598762	6.631323	5.698525	5.561109	5.698897	6.157	6.053799	6.219519	5.60737	5.714857	5.588012
CD22	ENSG00000012124	-2.61482	-0.14129	-9.84158	1.51E-08	1.67E-07	9.943846	0.882475	0.582935	0.679585	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.857636	3.709078	3.738597	1.498836	1.793303	1.610309	3.630901	3.37582	3.660409
SEMA3B	ENSG00000012171	-0.34898	3.571813	-3.0758	0.006684	0.012339	-3.38672	3.691678	3.695626	3.764544	2.887595	2.926537	2.741673	2.832807	2.777669	2.697131	4.421642	4.443776	4.488257	4.290695	4.235431	4.456413	4.280646	4.258317	3.831562
MBTPS2	ENSG00000012174	-0.68254	6.197259	-13.7605	8.20E-11	2.87E-09	14.91577	6.833772	6.903387	6.816862	6.277206	6.200933	6.382847	6.768706	6.794778	6.826285	6.10472	6.156567	6.126123	5.27674	5.399654	5.367623	5.975118	5.830372	5.898914
PRICKLE3	ENSG00000012211	0.260358	4.505324	2.277138	0.035609	0.054819	-5.07432	4.467563	4.395423	4.476008	4.753186	4.971631	4.814227	4.504297	4.194045	4.45204	4.443094	4.335892	4.282459	4.450951	4.463697	4.617548	4.829736	4.90101	4.914724
EXTL3	ENSG00000012232	-0.19709	5.703271	-3.05878	0.006935	0.012754	-3.7341	5.230664	5.198371	5.029808	5.1029	5.217382	5.283793	5.991301	5.899518	5.79784	6.023031	5.960931	5.962072	5.693852	5.655804	5.565001	6.600185	6.448634	6.535733
ELOVL5	ENSG00000012660	0.243983	7.342675	1.94915	0.067512	0.097335	-6.05802	7.045868	7.162052	7.114327	7.841269	7.894828	7.88431	7.556939	7.566293	7.47882	7.357921	7.269794	7.232272	7.047032	7.041353	7.041273	7.264481	7.204354	7.333273
KDM5D	ENSG00000012817	0.637591	4.182435	6.779347	2.78E-06	1.31E-05	4.444915	3.836399	3.829904	4.057757	4.707799	4.726954	4.745826	4.591583	4.504423	4.505294	3.914031	4.040487	4.012537	4.483553	4.349511	4.398437	3.989359	3.870083	4.197255
CALCOCO1	ENSG00000012822	0.859735	5.223936	4.41194	0.000359	0.000915	-0.73768	5.616234	5.531	5.625931	5.573188	5.726197	5.516359	5.071794	4.889176	5.107194	4.641707	4.665681	4.53991	6.123258	6.144832	6.192968	4.563199	4.695442	4.572451
UBR7	ENSG00000012963	-0.22532	5.777744	-1.43835	0.168002	0.217137	-6.66725	5.210884	5.134056	5.075454	5.684481	5.613956	5.657664	6.005819	6.063123	6.114173	6.25662	6.230272	6.285921	5.477839	5.572109	5.546053	6.178727	6.224119	6.173105
MAP4K5	ENSG00000012983	-0.18423	6.15554	-2.59765	0.018484	0.030495	-4.75568	6.126062	6.132709	6.056036	5.746715	5.521816	5.767901	6.148732	6.15961	5.991568	6.442774	6.426122	6.356252	6.340834	6.458395	6.385395	6.305125	6.385107	6.428903
EHD3	ENSG00000013016	0.92968	4.117347	3.808376	0.001346	0.002941	-1.84028	3.361722	3.676739	3.597291	5.359221	5.438974	5.227023	3.632324	3.335526	3.641718	4.009149	4.066685	4.075663	4.337818	4.354074	4.381435	4.454386	4.442079	4.359215
PSMC4	ENSG00000013275	0.129447	7.396985	4.168091	0.000611	0.001462	-1.5269	7.074426	6.998666	7.122505	7.260438	7.223341	7.215172	7.203457	7.136902	7.252803	7.606315	7.556237	7.547501	7.676114	7.654411	7.669241	7.71842	7.678602	7.712273
MAN2B2	ENSG00000013288	1.29344	6.564286	24.34912	6.24E-15	4.27E-12	24.52517	5.952311	5.811984	5.931247	7.319824	7.430506	7.360373	6.273964	6.291095	6.233947	6.167928	6.186741	6.260789	7.340594	7.315582	7.33085	6.434237	6.398038	6.420456
SLC25A39	ENSG00000013306	-0.08463	7.407975	-2.16494	0.044498	0.066926	-5.6887	7.559427	7.526831	7.533618	7.361243	7.547464	7.403707	7.516955	7.488551	7.51729	7.328829	7.311472	7.329146	7.319981	7.19804	7.250029	7.458642	7.483942	7.36663
MVP	ENSG00000013364	0.465144	7.508817	7.262123	1.13E-06	6.09E-06	4.911273	7.656456	7.576712	7.660096	7.829209	8.06646	7.817305	7.189535	7.181249	7.231515	7.305595	7.267537	7.235501	7.971026	7.847595	7.893794	7.123928	7.25434	7.201446
NUB1	ENSG00000013374	0.032483	6.871165	0.547262	0.591119	0.648437	-7.68459	6.914458	6.905416	6.916375	6.735413	6.693695	6.786691	6.915871	6.776637	6.855875	6.895967	6.884306	6.888168	7.130205	7.042767	7.097663	6.814227	6.791041	6.865242
PGM3	ENSG00000013375	0.144946	5.852645	3.467353	0.002848	0.00575	-2.85569	6.3789	6.296311	6.293448	6.547611	6.375108	6.479985	6.466799	6.310139	6.361138	5.264796	5.370266	5.271048	5.482686	5.453801	5.382653	5.351042	5.391866	5.362617
RWDD2A	ENSG00000013392	0.75448	2.249091	5.286995	5.51E-05	0.000176	1.809149	2.965042	2.950996	2.739267	3.425084	3.426184	3.231764	2.908934	2.357042	2.202855	1.704765	2.074736	1.896649	2.602951	2.784257	2.647333	2.154563	2.006592	1.910335
CLK1	ENSG00000013441	0.775605	5.389625	6.22672	8.12E-06	3.31E-05	3.151302	5.111261	5.070363	5.16615	6.329513	5.962929	6.213949	6.215207	6.107342	6.079477	4.992463	4.851948	4.745417	5.297059	5.178243	5.418515	4.994249	4.99066	4.965925
POLR3B	ENSG00000013503	-0.23492	4.938097	-4.22223	0.000543	0.00132	-1.03495	5.515021	5.455446	5.497679	5.346585	5.194607	5.257578	5.733141	5.521547	5.59521	4.588795	4.616873	4.651854	4.35554	4.403337	4.406863	4.664377	4.460128	4.536426
ANGEL1	ENSG00000013523	-0.16932	4.942732	-2.50288	0.022498	0.036405	-4.81873	4.543331	4.644161	4.520694	4.031135	4.020303	4.202668	4.034706	3.956862	3.844255	5.871466	5.899582	5.850985	5.886577	5.769478	5.838529	5.763367	5.631703	5.663916
RNF14	ENSG00000013561	-0.2956	6.240414	-5.87526	1.64E-05	6.09E-05	2.263583	6.543459	6.500744	6.501443	6.142369	5.994917	6.154304	5.925627	6.095194	5.970082	6.468108	6.414949	6.508901	6.224136	6.331098	6.272352	6.184612	6.212188	6.23863
DNASE1L1	ENSG00000013563	0.449733	5.390728	3.657295	0.001877	0.003979	-2.33181	6.145295	6.059873	6.120966	6.225234	6.265735	6.311829	6.508178	6.377892	6.340354	4.237473	4.340194	4.317702	5.136171	5.068687	5.108223	4.519164	4.263465	4.45054
DDX11	ENSG00000013573	-0.78478	5.261528	-16.5438	4.08E-12	3.23E-10	18.0145	4.949597	4.747329	5.014266	4.082842	3.967543	4.053927	4.393833	4.497055	4.339245	6.575937	6.534276	6.463205	5.838236	5.767769	5.782968	6.134413	6.214848	6.18811
HEBP1	ENSG00000013583	-0.02448	4.440879	-0.18145	0.858099	0.882958	-7.42945	5.121892	5.137514	5.075454	4.619522	4.447623	4.586466	4.651903	4.59002	4.490278	4.207702	4.071868	4.268117	4.630539	4.541772	4.691833	4.108069	3.942484	3.999746
GPRC5A	ENSG00000013588	0.043841	9.109104	0.268806	0.791226	0.826265	-7.95834	9.606251	9.495963	9.523205	8.937088	8.960681	8.977675	9.469796	9.315861	9.460285	8.738467	8.707747	8.68941	9.359314	9.333454	9.355098	8.680776	8.715524	8.687307
MAMLD1	ENSG00000013619	-0.71486	2.528006	-3.13149	0.005925	0.011068	-2.76918	3.011517	2.748839	3.06005	2.97776	2.85862	3.069023	3.66196	3.592179	3.357206	2.763691	2.500824	2.638296	1.446877	1.622273	1.550722	3.350072	3.104657	3.093712
TACC3	ENSG00000013810	-1.06972	6.521789	-6.71796	3.12E-06	1.45E-05	3.974954	6.843439	6.688047	6.71839	6.286057	6.495526	6.259951	6.848198	6.738093	6.717662	7.015342	6.906959	7.095294	5.399705	5.495702	5.3633	6.947571	6.965442	6.924184
UFL1	ENSG00000014123	-0.12143	5.456185	-2.18633	0.04266	0.064523	-5.41216	5.757007	5.725032	5.872121	5.612421	5.694082	5.73299	5.679816	5.783182	5.719525	5.44146	5.35759	5.388409	5.134119	5.313248	5.339289	5.062316	5.057388	5.157678
POLA2	ENSG00000014138	-1.68827	4.617879	-9.79117	1.63E-08	1.78E-07	9.655112	4.816318	4.813666	4.363979	3.70135	4.009905	3.964146	4.528631	4.357565	4.534865	5.653226	5.659064	5.714848	3.60569	3.738425	3.760608	5.77121	5.740928	5.622786

ZC3H3	ENSG00000014164	0.377963	5.24187	6.4927	4.82E-06	2.11E-05	3.646559	4.48962	4.468622	4.520694	5.082724	4.987618	4.76722	5.136557	4.759705	5.07736	5.477252	5.477654	5.609292	5.929806	5.819829	5.797461	5.942147	5.866346	5.890784
CAPN1	ENSG00000014216	0.318524	7.42286	5.387302	4.47E-05	0.000146	1.10593	6.289001	6.341981	6.383909	6.430757	6.652507	6.349549	6.222684	6.212301	6.249637	8.286803	8.212913	8.352197	8.763414	8.683556	8.678747	8.584348	8.567552	8.551763
ACP3	ENSG00000014257	0.515972	1.787434	1.20317	0.244955	0.302814	-5.91467	1.475543	1.420874	1.667608	2.103714	1.718467	2.5075	3.988671	3.89093	4.05282	2.100009	1.899254	1.538714	1.954519	1.793303	1.900186	1.880661	2.274787	1.775544
MDH1	ENSG00000014641	-0.15599	7.351136	-3.52615	0.002503	0.00513	-2.92167	7.677627	7.679903	7.592367	7.507474	7.324358	7.414764	7.407493	7.582918	7.41664	7.311439	7.27261	7.326986	7.164289	7.265597	7.238273	7.068353	7.111054	7.123801
SLC30A9	ENSG00000014824	0.08533	7.068763	2.234999	0.038735	0.059114	-5.54069	7.026197	7.07638	7.052899	7.141122	6.976026	7.211275	6.905069	6.998961	7.038572	7.043704	7.10766	7.112956	7.163787	7.245476	7.178627	7.017163	7.081482	7.05998
MTMR11	ENSG00000014914	-0.17069	3.38032	-0.69633	0.49538	0.558027	-6.88293	4.036946	4.029182	3.764544	2.97776	3.033076	3.069023	4.358069	4.019913	4.305329	3.284659	3.348126	2.948194	3.680716	3.536446	3.65138	3.022222	2.99751	3.375875
COX15	ENSG00000014919	-0.21496	5.960485	-3.99622	0.000891	0.002044	-1.70313	6.757423	6.927553	6.839086	6.532815	6.457769	6.564898	6.688182	6.641157	6.622742	5.445717	5.294698	5.421185	5.354592	5.246098	5.310386	5.280253	5.157568	5.227124
CCDC88C	ENSG00000015133	0.279328	5.280894	2.090916	0.051432	0.076316	-5.62546	4.867751	4.738249	4.720675	4.281793	4.310303	4.28655	4.437325	4.203129	4.305329	5.81005	5.877552	5.688165	6.401807	6.350638	6.334405	6.423327	6.478826	6.356957
YAF2	ENSG00000015153	0.404746	3.191165	4.656075	0.000211	0.000572	0.274401	3.337603	3.370829	3.500214	3.619685	3.784444	3.838399	3.66196	3.84524	3.306673	2.966925	2.889287	3.068941	3.325419	3.348006	3.378997	3.083983	3.058015	2.912845
ZMYND11	ENSG00000015171	-0.10111	6.533596	-1.65051	0.116692	0.157959	-6.43908	6.979225	6.931542	6.991718	6.900119	6.764994	6.83181	7.192076	7.194975	7.266088	6.198522	6.096801	6.138988	6.107656	6.104779	6.012871	6.067194	6.066639	6.06346
BID	ENSG00000015475	0.139502	5.50945	1.153745	0.264138	0.323874	-7.00117	5.531062	5.51514	5.594921	5.122798	5.244245	5.097889	5.324334	5.27247	5.117003	5.339908	5.436055	5.565981	5.956761	5.904702	5.955152	6.015301	5.899792	5.872323
XYLT2	ENSG00000015532	0.448574	5.058675	7.909582	3.52E-07	2.26E-06	6.391434	4.730936	4.729112	4.662041	5.355021	5.313527	5.215396	5.082792	4.997573	5.107194	4.905504	4.984279	4.941174	5.311659	5.246098	5.271695	5.380055	5.405901	5.220652
NUDCD3	ENSG00000015676	0.084061	6.426341	1.773179	0.093625	0.130198	-6.26623	6.719429	6.606818	6.71599	6.55861	6.703408	6.626187	6.384753	6.450256	6.4988	6.244453	6.294863	6.334908	6.543836	6.455213	6.479275	6.131979	6.125784	6.113222
CHDH	ENSG00000016391	-0.32988	2.54871	-1.74263	0.098965	0.136599	-5.57404	2.080492	2.308123	2.018628	2.661411	2.835252	2.805104	1.966276	2.420731	2.408535	3.358771	3.532361	3.413246	2.781373	2.627242	2.870883	3.538334	3.297679	3.477085
GLT8D1	ENSG00000016864	0.848059	5.56203	14.19083	4.99E-11	1.95E-09	15.45672	4.988842	5.022548	4.946277	6.110336	5.952107	6.051247	5.527156	5.543171	5.500968	5.316853	5.34694	5.310072	6.012561	5.903146	6.051003	5.700678	5.678704	5.736026
ATP2C1	ENSG00000017260	0.31968	7.295723	7.288296	1.07E-06	5.84E-06	5.003331	7.451891	7.544519	7.450887	7.861394	7.692689	7.80119	7.948278	7.96043	7.957532	6.632118	6.689855	6.669617	7.008345	6.973285	7.000794	6.964089	6.891721	7.004551
SLC38A5	ENSG00000017483	-0.73741	2.560893	-4.18221	0.000592	0.001423	-0.39562	5.403266	5.433112	5.402389	4.803367	4.819175	4.622128	5.167879	5.122533	5.131593	0.982259	1.228418	1.360915	0.828978	0.550009	0.812339	1.482378	1.2488	1.416439
RALBP1	ENSG00000017797	-0.14846	6.308648	-3.11812	0.006099	0.011366	-3.73555	5.85584	5.879612	5.901987	5.517909	5.507103	5.550692	5.347317	5.38452	5.300358	7.205589	7.165775	7.281299	7.240663	7.147679	7.173698	6.845768	6.804349	6.830599
RUFY3	ENSG00000018189	0.19879	3.808236	2.981135	0.008198	0.014778	-3.58451	3.623492	3.695626	3.597291	3.487804	3.759832	3.655458	3.66196	3.550079	3.306673	4.13047	4.237848	4.116262	4.352013	4.472117	4.496442	4.088113	4.041704	4.177341
CNTN1	ENSG00000018236	1.730925	4.862332	7.210487	1.24E-06	6.58E-06	5.481757	7.545017	7.458674	7.437111	9.240351	9.184941	9.279809	7.178043	7.167391	7.329684	1.239286	1.529011	1.46518	2.749557	2.657091	2.675503	2.368215	2.465551	2.48622
WWTR1	ENSG00000018408	0.457035	7.936009	4.296992	0.000461	0.001139	-1.26373	7.983781	8.054701	8.028784	8.84351	8.827869	8.75885	8.162987	8.107986	8.129113	7.457729	7.437283	7.41627	7.576113	7.525836	7.588669	7.645191	7.716636	7.701856
AGPS	ENSG00000018510	-0.02568	6.911946	-0.60722	0.55151	0.611439	-7.63629	7.368795	7.384956	7.239911	7.42273	7.361638	7.378732	7.183162	7.237598	7.100448	6.650677	6.613718	6.621774	6.558447	6.478387	6.5303	6.521457	6.500789	6.492066
CXorf56	ENSG00000018610	-0.40033	5.125177	-5.10786	8.04E-05	0.000244	0.8114	5.465799	5.541478	5.347631	4.87551	4.776871	4.735009	5.277239	5.331655	5.087374	5.351299	5.267851	5.332646	5.140267	5.000472	5.208029	5.117505	5.089629	5.073988
TTC27	ENSG00000018699	-0.28068	5.435334	-3.13972	0.00582	0.010902	-3.51897	6.040867	6.072572	6.100872	5.44865	5.36339	5.562977	5.448564	5.564476	5.584645	5.269607	5.231258	5.341234	5.338642	5.231292	5.343684	5.217339	5.168587	5.133766
ZNF582	ENSG00000018869	0.240263	2.500748	2.347074	0.030933	0.048325	-4.76234	2.051128	1.465573	1.406977	1.393812	1.307481	1.123626	1.70672	1.605065	1.38134	4.037631	4.097507	4.293123	4.457531	4.472117	4.504317	4.185243	4.216457	4.073428
PHLDB1	ENSG00000019144	0.313638	5.695616	1.972065	0.06464	0.093621	-5.90228	5.641082	5.587707	5.605332	4.93299	5.226392	4.918297	4.709802	4.474723	4.444269	6.20983	6.204547	6.225965	7.083114	6.924264	6.99312	6.002031	5.992618	5.938889
CYP24A1	ENSG00000019186	0.156623	5.918184	2.999263	0.007884	0.014274	-3.90781	6.02018	5.981241	5.999931	6.028317	6.028789	6.004722	5.817858	5.913422	5.860491	5.905864	5.9083	5.950891	6.179064	6.143514	6.221909	5.64029	5.718611	5.647122
PRDM11	ENSG00000019485	0.237517	2.789072	1.628511	0.121307	0.163693	-5.71865	3.520128	3.323044	3.322321	2.955742	3.093416	3.432575	3.004565	2.981485	2.846105	2.664903	2.485369	2.497858	3.157774	3.141796	2.95373	2.782512	2.895091	2.84714
SNAI2	ENSG00000019549	-0.00407	3.342846	-0.04667	0.963302	0.969701	-7.64176	1.826927	1.915637	1.987129	1.104644	1.006428	1.367251	0.983587	0.824004	0.735084	6.532567	6.271401	6.562774	6.480638	6.497074	6.589794	5.757061	5.761087	5.8578
CD74	ENSG00000019582	0.923035	0.795317	5.096129	8.24E-05	0.000249	1.052353	0.41387	0.215206	0.323815	0.106501	0.25478	0.2349	0.106501	0.622068	0.39151	4.276236	4.318554	4.331562	5.377325	5.1936	5.255457	3.094024	3.215061	3.065099
ZRANB1	ENSG00000019995	0.134953	4.886298	1.842261	0.082469	0.116159	-5.87202	5.042051	5.227863	5.183625	5.491368	5.446705	5.414959	5.365443	5.462247	5.54523	4.541844	4.5846	4.601264	4.53734	4.608219	4.444184	4.489042	4.442079	4.461559
NCDN	ENSG00000020129	0.000426	6.066438	0.008634	0.993209	0.994047	-7.77226	5.691909	5.727328	5.731878	5.694487	5.74826	5.651925	5.61311	5.344028	5.556087	6.514442	6.477799	6.632311	6.599184	6.496042	6.579581	6.575313	6.553228	6.426093
ADGRA2	ENSG00000020181	1.311013	0.419996	5.801518	1.91E-05	6.90E-05	3.044832	1.18244	1.420874	1.406977	1.840866	2.117603	1.757653	1.240874	1.367163	0.925731	0.7264	0.524532	0.807652	1.644349	1.393161	1.610309	1.017342	1.206659	1.115245
ZFP64	ENSG00000020256	0.000636	5.04493	0.010649	0.991624	0.992807	-7.55879	5.275788	5.181722	5.274496	5.227586	5.26188	5.280077	5.333571	5.146277	5.321722	4.864753	4.739193	4.892917	4.883573	4.732581	4.863891	5.075046	5.089629	5.174518
MNAT1	ENSG00000020426	-0.65986	4.272717	-9.78552	1.64E-08	1.78E-07	9.654196	4.553837	4.691972	4.711067	3.740513	3.820593	3.818042	4.154215	3.868266	4.112876	4.81954	4.824575	4.8741	4.319876	4.367677	4.342433	4.418877	4.323851	4.541628
SAMD4A	ENSG00000020577	-0.29061	5.553378	-1.21576	0.240242	0.297493	-6.92782	6.004946	5.805478	6.027288	4.647264	4.726954	4.772519	5.777814	5.896721	5.863407	5.726788	5.796904	5.605019	6.044597	6.034029	6.149693	5.15875	5.219805	5.302602
MRE11	ENSG00000020922	-0.55954	4.614745	-8.6642	9.75E-08	7.72E-07	7.759821	4.478633	4.360345	4.476008	4.112999	4.071202	4.264152	4.225415	4.256466	4.288067	5.36934	5.35759	5.339521	4.720818	4.777434	4.595601	5.110102	5.104049	5.280993
PLEKHB1	ENSG00000021300	1.051918	2.642872	6.886395	2.27E-06	1.11E-05	4.625168	1.681202	1.744817	1.987129	2.791417	2.366112	2.532704	0.886508	0.622068	0.515351	3.87036	4.200477	4.108233	5.132064	5.112436	4.992623	4.052512	4.30899	4.203832
SERPINB1	ENSG00000021355	-0.64849	7.096681	-3.58866	0.002182	0.004544	-2.75699	7.927326	7.91865	7.861895	6.438717	6.51404	6.479985	7.275922	7.456621	7.389583	6.878752	6.958238	6.955166	6.96571	7.01854	6.99172	6.92946	7.032565	6.951799
SPAST	ENSG00000021574	0.026668	5.088514	0.284451	0.779408	0.816738	-7.54072	5.37392	5.477439	5.446484	5.16659	5.109506	5.093661	5.115291	5.447033	5.291723	4.92393	4.964909	4.888235	5.186547	5.263181	5.224807	4.826728	4.822959	4.75819
OSBPL5	ENSG00000021762	0.299862	5.354161	2.515716	0.02191	0.035558	-4.76019	5.87482	5.91429	5.823902	5.733834	5.797458	5.657664	5.729647	5.7054	5.825024	4.569418	4.806033	4.660116	5.508262	5.366162	5.33488	4.905811	4.952919	4.894538
AQR	ENSG00000021776	-0.10131	6.762707	-1.7734	0.093586	0.130171	-6.29408	7.048657	6.971803	7.045272	6.848773	6.6625	6.749552	7.006734	6.947185	6.99801	6.613318	6.66349	6.562039	6.68088	6.572431	6.728186	6.607213	6.555329	6.715639
CPS1	ENSG00000021826	1.477004	7.818584	4.228805	0.000535	0.001304	-1.11232	10.44128	10.42799	10.44183	12.51365	12.4105	12.47357	11.57947	11.5747	11.56961	4.619268	4.623947	4.518865	3.904282	3.946112	3.910354	4.254026	4.195062	4.094818
FHL1	ENSG00000022267	1.452691	4.972756	12.56923	3.48E-10	8.18E-09	13.6103	5.343965	5.396065	5.30675	6.997633	6.869341	6.87556	6.602897	6.528227	6.643251	3.303547	3.373534	3.346558	4.35554	4.407733	4.315833	3.623987	3.863317	3.611778
RTF2	ENSG00000022277	0.1089	6.435787	1.508642	0.149255	0.19611	-6.66619	6.492486	6.429199	6.406409	6.292659	6.348532	6.269353	6.497944	6.489769	6.506283	6.348156	6.423083	6.417639	6.69904	6.68718	6.718064	6.429288	6.328511	6.370175
NLRP2	ENSG00000022556	0.280056	1.53341	1.053222	0.306583	0.368993	-6.09884	2.438959	2.534795	2.5366	2.933382	2.970101	2.885561	1.459147	1.658879	2.34318	1.490718	1.529011	1.46518	1.27873	1.793303	1.580823	1.784732	1.581179	1.942153
SLC45A4	ENSG00000022567	0.804369	5.157641	7.022774	1.76E-06	8.87E-06	4.769543	5.217507	5.253581	5.248163	6.152084	6.296007	6.250487	5.63569	5.408281	5.566863	4.290508	4.283241	4.369004	4.92689	4.830791	4.882136	5.064871	4.943327	5.026544
RNF10	ENSG00000022840	0.187644	7.371447	4.390399	0.000376	0.000954	-1.01923	7.4941	7.570331	7.539737	7.851739	7.88348	7.80119	7.653226	7.642567	7.595675	7.098132	6.991439	7.133375	7.131748	7.173725	7.120897	7.065167	7.049801	7.055442
ZNF839	ENSG00000022976	-0.63932	4.00705	-5.39167	4.43E-05	0.000145	1.648534	4.500523	4.435299	4.37619	3.441022	3.329147	3.377995	4.225415	4.184903	4.372382	4.425958	4.463628	4.238998	4.191564	4.028349	3.86826	4.062774	4.156841	4.122853
ZDHHC6	ENSG00000023041	0.279485	5.29467	2.987785	0.008082	0.014592	-3.80971	5.139438	5.204977	5.082923	5.830775	5.726197	5.778475	5.448564	5.495903	5.598715	5.136363	5.027603	5.292465	5.13822	5.112436	5.126195	5.240125	5.287071	5.323893
GRAMD1B	ENSG00000023171	0.596613	2.150925	3.32175	0.003916	0.007641	-1.99366	9.034683	9.041203	9.015354	9.651183	9.597649	9.660855	9.419716	9.276865	9.245703	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RNH1	ENSG00000023191	-0.02502	6.812565	-0.44754	0.65998	0.710245	-7.71927	7.118443	7.088935	7.155645	6.91731	7.076608	6.859464	7.009618	6.929505	7.000662	6.560316	6.468986	6.646241	6.693477	6.630946	6.688994	6.712802	6.713224	6.595729
NDUFS1	ENSG00000023228	-0.08132	7.523364	-1.76362	0.095268	0.132123	-6.36715	7.955334	7.979155	7.957435	7.905137	7.891291	7.938945	8.028677	8.008507	8.028112	7.230477	7.24075	7.154972	7.10056	7.096857	7.087871	6.932961	6.956728	7.079782
RB1CC1	ENSG00000023287	0.510967	6.346858	4.695686	0.000194	0.00053	-0.27711	5.975942	5.963819	5.988045	6.059623	6.046703	6.0137	6.081788	6.225736	6.084485	6.401729	6.434193	6.290363	7.164792	7.225693	7.169371	6.476108	6.401545	6.579383
ERP44	ENSG00000023318	0.346912	6.321619	4.61593	0.00023	0.000619	-0.43981	6.040867	6.043381	6.067376	6.209037	6.108926	5.99342	6.307166	6.318523	6.183495	6.214827	6.205726	6.339202	6.820137	6.776574	6.836635	6.56	6.479932	6.622978
ALAS1	ENSG00000023330	-0.32971	6.055063	-4.49203	0.000301	0.000785	-0.637	6.674401	6.803545	6.654657	6.292659	6.395223	6.384578	6.735989	6.692053	6.758969	5.780019	5.694779	5.874844	5.538057	5.417203	5.495593	5.382106	5.35134	5.497221
BIRC3	ENSG00000023445	-1.30506	5.144433	-2.92899	0.009169	0.016331	-3.76864	7.327294	7.333883	7.330549	4.96641	4.825118	5.055043	7.081285	6.775114	6.942549	3.651939	3.619889	3.843887	4.561973	4.592857	4.573316	3.603046	3.863317	3.770842
AKAP11	ENSG00000023516	0.080441	6.443962	1.454592	0.163506	0.212	-6.74128	6.25238	6.296311	6.33157	6.510332	6.373081	6.642197	6.489704	6.436841	6.40983	6.505294	6.666063	6.40786	6.497497	6.515522	6.458146	6.482811	6.487651	6.535733
GLRX2	ENSG00000023572	-0.11939	4.2339	-1.02244	0.320517	0.383882	-6.81813	4.239263	4.306074	4.16017	4.540361	4.462952	4.480358	4.926746	4.889176	4.837409	4.217694	4.176619	4.335006	3.669424	3.970091	3.831176	4.203908	4.216457	4.177341
SNAPC1	ENSG00000023608	-0.92055	5.273598	-5.14455	7.44E-05	0.000228	0.85809	6.023964	5.846194	5.957896	4.218476	4.267295	4.256608	5.208612	5.335791	5.296047	5.919702	5.762057	6.009185	5.50191	5.460164	5.503472	5.110102	5.012228	4.98132
DERA	ENSG00000023697	-0.31175	4.911578	-3.16322	0.005531	0.010416	-3.37979	5.420591	5.410426	5.431935	4.667726	4.758354	4.71863	4.974767	5.210752	5.005251	4.899309	4.950911	4.895252	4.863895	4.922739	4.992623	4.793224	4.664642	4.7174
STRAP	ENSG00000023734	-0.1819	7.910416	-6.48134	4.93E-06	2.15E-05	3.363664	7.975013	8.010604	7.999976	7.81246	7.798429	7.770399	7.85754	7.868495	7.816418	8.059497	7.97844	8.052426	7.872301	7.862084	7.869232	7.978667	7.927133	7.989953
ABCC2	ENSG00000023839	0.298311	4.205674	1.101175	0.285755	0.346797	-6.05334	8.577678	8.621295	8.667784	9.046283	8.909853	9.025621	8.593748	8.497665	8.458153	1.278001	1.467416	1.248523	0.610222	0.837535	0.593579	0.576451	0.816175	0.999041
DEF6	ENSG00000023892	0.243552	2.374358	2.065942	0.053985	0.079647	-5.13255	1.959273	1.551021	1.888281	1.688986	1.087782	1.669505	1.917967	1.945386	1.620777	3.340597	3.517242	3.647349	3.884887	3.793216	3.910354	3.900611	3.808018	3.753014
PLEKHO1	ENSG00000023902	1.205158	0.949883	5.337932	4.96E-05	0.00016	2.098027	1.18244	1.002471	1.358564	2.181668	2.605925	2.374422	2.01302	1.945386	1.620777	1.073118	1.300837	1.188864	1.644349	1.282615	1.826726	1.419885	1.206659	1.665483
GCLM	ENSG00000023909	-1.15775	6.201119	-11.6147	1.20E-09	2.18E-08	12.20746	7.6595	7.696406	7.593021	6.50655	6.623812	6.513603	7.972872	7.927237	7.824672	5.608358	5.54815	5.648575	4.344933	4.54975	4.402656	5.267	5.251241	5.201061
UBR2	ENSG00000024048	0.27294	5.427062	5.725587	2.22E-05	7.91E-05	2.04104	5.030813	4.933864	5.052811	5.307999	5.270617	5.391041	4.986526	4.843429	5.057123	5.79678	5.778001	5.61497	5.954437	5.978961	5.955152	5.774336	5.764723	5.834677
EHD2	ENSG00000024422	1.045622	4.341868	10.62019	4.77E-09	6.56E-08	10.917	3.701161	3.704977	3.736403	4.375995	4.56592	4.194794	4.164604	4.238905	3.968647	3.87036	4.122698	4.046548	5.170617	5.198683	5.166452	5.240125	5.069195	5.004109
DEPDC1	ENSG00000024526	-0.77372	5.16261	-2.4617	0.024488	0.039312	-4.58619	6.868906	6.827288	6.726758	6.775246	6.463496	6.614431	7.530072	7.621546	7.504269	4.455814	4.283241	4.428251	2.027088	2.016959	1.923865	4.156784	4.268595	4.335451
CCDC28A	ENSG00000024862	0.306515	3.396483	2.335074	0.031692	0.049403	-4.74958	3.623492	3.704977	3.65856	3.472378	3.188693	3.405543	3.277716	3.40015	3.064594	3.437834	3.532361	3.555853	4.143408	4.10073	4.165038	3.350072	3.366281	3.176297
RRAGD	ENSG00000025039	0.705376	2.134326	3.599252	0.002132	0.004452	-1.73606	2.609804	2.332462	2.661582	3.533117	3.722109	3.498018	2.858632	2.623806	2.846105	1.891119	1.851833	1.839597	1.838325	1.921808	2.014873	2.075685	2.233409	2.06284
HSF2	ENSG00000025156	-0.29531	3.640556	-2.89219	0.00992	0.017535	-3.58446	4.309146	4.360345	4.301326	4.122913	3.901574	4.264152	4.512454	4.467202	4.3476	3.403229	3.509623	3.513924	3.228726	3.032175	3.126936	2.935534	3.256961	3.176297
PHF20	ENSG00000025293	0.172362	6.707935	2.638593	0.016969	0.028287	-4.65804	7.630634	7.60446	7.631731	7.981362	7.903982	7.984753	7.864726	7.95035	7.945885	5.684183	5.645223	5.680063	5.632665	5.618361	5.58556	5.582622	5.643597	5.510546
NR1H3	ENSG00000025434	-0.25676	2.610159	-1.83677	0.083311	0.117241	-5.26046	4.12413	3.896716	4.02711	3.791129	3.945887	3.548316	3.178682	3.477062	3.199964	2.18395	2.23117	2.038602	1.973006	1.970168	2.058312	1.809319	2.124453	2.252429
TYMP	ENSG00000025708	1.120834	4.598429	4.586867	0.000245	0.000654	-0.15833	4.006674	4.108838	3.987862	5.737065	6.028789	5.801988	4.87074	4.747338	4.889843	3.702624	3.997554	4.054926	4.309002	4.425185	4.329194	5.036515	4.999943	4.938581
NCAPH2	ENSG00000025770	-0.36465	4.968334	-6.23743	7.95E-06	3.26E-05	3.228677	5.288426	5.218099	5.231457	4.827817	5.124043	5.033133	5.35187	5.447033	5.252213	4.960093	5.014203	5.020321	4.659362	4.513497	4.492489	5.004933	4.981317	4.869935
TOMM34	ENSG00000025772	0.309219	6.15641	7.548225	6.69E-07	3.90E-06	5.567075	5.628712	5.649552	5.633581	6.046662	5.818465	5.850401	6.005819	5.935393	5.931692	6.371839	6.263495	6.290363	6.714917	6.634702	6.558936	6.605459	6.611923	6.649721
SEC63	ENSG00000025796	0.135498	6.458093	1.871305	0.078139	0.11077	-6.08742	6.707715	6.784926	6.732706	7.123947	7.041303	7.136182	6.772107	6.93633	6.812769	6.085751	6.056844	6.014564	5.947442	5.964114	5.968021	6.14773	6.189378	6.142619
KPNA6	ENSG00000025800	-0.40634	6.568747	-7.56604	6.48E-07	3.78E-06	5.56131	6.874155	6.883963	6.806748	6.344419	6.137866	6.329914	6.355578	6.405702	6.319266	6.877177	6.837905	6.836252	6.639526	6.575365	6.563654	6.611588	6.530987	6.591974
VIM	ENSG00000026025	0.851945	8.097166	2.091168	0.051407	0.076294	-5.78371	10.30828	10.35581	10.33338	10.0327	10.09369	9.933746	9.999032	10.05692	10.02217	4.948139	5.085124	4.976888	7.791929	7.712422	7.707261	5.526265	5.647541	5.491856
FAS	ENSG00000026103	-0.90381	4.602283	-9.41761	2.90E-08	2.81E-07	9.135689	6.066775	6.228223	6.110041	5.396478	5.230876	5.298562	5.661594	5.689327	5.44755	4.026306	3.981119	4.096105	3.100071	3.109775	3.137101	3.962207	3.955266	3.770842
RNASET2	ENSG00000026297	0.476118	3.28413	4.596325	0.00024	0.000643	0.083956	3.27548	3.428416	3.500214	3.591402	3.709312	3.377995	3.440463	3.506713	3.357206	3.165825	3.373534	3.133657	3.865227	3.813238	3.831176	3.083983	3.171908	3.149291
CD44	ENSG00000026508	-0.021	7.448501	-0.24973	0.805706	0.838558	-7.74968	9.083314	9.097984	9.096239	8.938842	8.810748	8.889885	9.29877	9.339483	9.361629	5.417818	5.477654	5.509184	5.713225	5.757473	5.797461	6.274548	6.210856	6.27031
KCNG1	ENSG00000026559	1.83578	-0.10672	5.384941	4.49E-05	0.000147	2.242248	4.271448	4.115866	4.424025	6.20204	6.147385	6.079314	4.164604	4.221128	4.207726	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AGPAT4	ENSG00000026652	0.940576	2.26725	8.075124	2.64E-07	1.77E-06	7.078643	1.430644	2.068355	1.585853	2.791417	2.605925	2.455733	2.144798	1.710758	2.127218	2.817246	2.829342	2.87437	3.526548	3.544454	3.6725	2.744769	2.585506	2.912845
SLAMF7	ENSG00000026751	0.104952	1.374253	1.359193	0.191366	0.24349	-6.45357	0.742531	0.499412	0.598525	0.395333	0.512209	0.2349	0.269385	0.253663	0.39151	4.724629	4.790397	4.753161	4.900573	4.913495	4.897167	3.934535	4.023613	3.961444
BTN3A1	ENSG00000026950	0.733709	3.981833	6.554296	4.28E-06	1.90E-05	4.020566	3.672523	3.39414	3.544167	3.840029	3.784444	3.711713	4.283766	4.070428	4.207726	3.818776	3.709078	3.900773	4.82626	4.686287	4.663983	4.390642	4.542904	4.341429
MIPEP	ENSG00000027001	0.341071	4.23797	4.080036	0.000741	0.001735	-1.23794	4.780982	4.826575	4.848876	5.072529	4.733289	4.899045	4.358069	4.38177	4.436456	3.818776	3.817963	3.769472	4.414217	4.321825	4.355551	3.603046	3.68296	3.631427
PRKCH	ENSG00000027075	-0.7447	3.789259	-7.76549	4.54E-07	2.79E-06	6.288738	3.476616	3.777682	3.764544	2.393052	2.490996	2.429135	3.258446	3.384264	3.064594	4.957113	4.84591	4.902234	4.352013	4.358622	4.385705	4.945171	4.833383	4.890466
IFNGR1	ENSG00000027697	-0.04185	5.82094	-0.623	0.541332	0.602066	-7.48664	6.572167	6.614281	6.584036	6.329513	6.317247	6.349549	6.111626	6.055619	6.038775	5.371579	5.378656	5.376759	5.458289	5.640943	5.603999	5.119964	5.146465	5.21089
B4GALT7	ENSG00000027847	0.436541	4.936788	6.59739	3.94E-06	1.78E-05	3.930549	4.921476	4.817982	4.904734	5.209091	5.403664	5.327654	5.093706	4.68386	5.041756	4.703453	4.682721	4.708717	5.231389	5.02357	5.076884	4.983487	4.962447	4.958165
SH2D2A	ENSG00000027869	-0.55892	0.700631	-1.86779	0.078652	0.111375	-4.75571	1.475543	1.374745	1.358564	1.326771	1.437317	1.250575	2.957542	2.777669	3.199964	0.982259	1.190799	1.360915	0.5125	0.671977	0.910419	1.542275	1.547811	1.222783
VRK2	ENSG00000028116	-0.39822	5.365914	-7.47767	7.60E-07	4.33E-06	5.581965	5.864307	5.896035	5.867803	5.444703	5.473441	5.471446	5.940817	5.819078	5.640119	5.144243	5.331897	5.195378	4.758606	4.843827	4.987015	5.201172	5.214498	5.157678
VEZT	ENSG00000028203	0.515415	6.291754	8.66053	9.81E-08	7.76E-07	7.542882	5.868521	5.759098	5.876425	6.565896	6.58581	6.583107	6.174663	6.175851	6.121501	6.310136	6.351367	6.282357	6.641694	6.664398	6.613649	6.304044	6.395695	6.324128
BRD9	ENSG00000028310	-0.46719	6.266923	-3.51164	0.002584	0.005279	-2.83964	6.844509	6.843256	6.940216	5.812513	5.803491	5.99342	6.67734	6.442606	6.532173	6.194733	6.19982	6.183609	6.231832	6.131604	6.225486	6.032372	6.042884	6.028687
SNX1	ENSG00000028528	0.318728	7.051546	9.991324	1.20E-08	1.38E-07	9.6419	6.699458	6.709113	6.740992	6.956645	7.020734	7.000501	6.428516	6.491623	6.48939	7.261599	7.3747	7.356518	7.709229	7.67416	7.653394	7.207813	7.207696	7.154684
TBPL1	ENSG00000028839	-0.15933	4.617339	-2.71547	0.014438	0.02451	-4.32398	4.212988	4.021717	4.050156	4.082842	3.855857	4.071231	3.690999	3.90213	4.17992	5.424305	5.370266	5.489229	5.254243	5.27526	5.234307	5.363548	5.346497	5.481066
ARNTL2	ENSG00000029153	-2.15568	1.289485	-5.40727	4.29E-05	0.000141	2.283189	6.49112	6.403582	6.434415	4.375995	4.110665	4.249025	5.203583	5.388507	5.179186	0.190076	0.462741	0.449284	0.407676	0.190544	0.335616	0.326864	0.19538	0.106501
BCLAF1	ENSG00000029363	-0.3797	7.741093	-5.57952	3.00E-05	0.000103	1.536195	8.209871	8.201906	8.203412	7.706017	7.553741	7.675291	8.356654	8.431568	8.401091	7.406232	7.507341	7.472081	7.255369	7.260745	7.26517	7.50265	7.487246	7.57378
SLC39A9	ENSG00000029364	0.041898	7.256748	0.766155	0.453808	0.517833	-7.56368	7.154269	7.197266	7.229012	7.441667	7.354464	7.308419	7.483113	7.458519	7.450007	7.256761	7.286053	7.218353	7.183765	7.159458	7.176165	7.133088	7.115332	7.191552
ANK1	ENSG00000029534	-0.70153	0.437343	-2.29412	0.034417	0.053225	-4.0195	2.19231	2.403106	2.326135	1.578054	1.817192	1.880533	1.588238	1.491012	1.50602	0.834246	0.640699	0.921995	0.562188	0.550009	0.651457	0.930351	1.024588	1.504318
TFB1M	ENSG00000029639	-0.79905	2.92041	-6.40084	5.77E-06	2.46E-05	3.985381	4.29042	4.383825	4.363979	3.376187	3.260629	3.292047	3.315502	3.535768	3.357206	2.722179	2.741	2.902498	2.385571	2.596763	2.481722	2.509956	2.410923	2.326628
RABEP1	ENSG00000029725	0.14974	6.105608	3.581731	0.002216	0.004606	-2.62778	6.650126	6.733307	6.659661	6.900119	6.920203	6.895126	6.911252	6.917137	6.836711	5.371579	5.444072	5.378429	5.445106	5.472807	5.441254	5.461813	5.382432	5.515842
HMGB3	ENSG00000029993	-0.29127	7.308351	-3.294	0.004161	0.008064	-3.39345	7.459595	7.498206	7.309214	7.463288	7.454668	7.492287	8.039302	8.171845	8.150164	7.063923	7.025898	7.010601	6.382056	6.439197	6.42119	7.434642	7.418526	7.496865
NUP160	ENSG00000030066	-0.18898	6.545848	-4.4554	0.000326	0.000842	-0.81438	6.496576	6.559918	6.545359	6.553121	6.426835	6.432233	6.445657	6.502702	6.429644	6.857341	6.754138	6.748575	6.503868	6.470003	6.526438	6.655474	6.588526	6.615597
BAK1	ENSG00000030110	-0.31074	5.574296	-4.56408	0.000258	0.000683	-0.46924	5.278958	5.343146	5.393406	4.88719	5.104628	4.844735	5.071794	5.088621	5.121883	6.132715	6.007657	6.132075	5.836975	5.829692	5.876944	6.316962	6.275986	6.386167
IKZF2	ENSG00000030419	0.556759	2.962021	6.382859	5.97E-06	2.53E-05	3.601791	1.602421	1.744817	1.818408	1.578054	1.718467	1.575618	1.525136	1.491012	1.826075	4.826087	4.973242	4.77868	5.379059	5.516205	5.51521	4.32821	4.348284	4.399883
GRN	ENSG00000030582	0.72856	8.288465	17.01927	2.55E-12	2.27E-10	18.3573	8.77074	8.732068	8.803387	9.364885	9.530351	9.371279	8.652596	8.507781	8.651512	7.383666	7.382543	7.483377	8.270503	8.188277	8.205311	7.296357	7.395849	7.299894
FAM13B	ENSG00000031003	1.057561	5.491863	7.689329	5.20E-07	3.14E-06	5.971935	5.411954	5.343146	5.356903	6.178467	6.23258	6.227518	6.309508	6.369847	6.43161	4.565511	4.655361	4.441093	5.775111	5.695898	5.813395	4.975361	4.867593	4.86164
ARHGAP31	ENSG00000031081	0.680051	1.703866	3.047723	0.007102	0.013031	-2.89607	2.137484	2.470453	2.37563	2.103714	2.117603	2.132113	1.762502	1.809233	1.727075	1.865926	1.403073	1.67541	2.529911	2.770668	2.604018	2.154563	2.212266	2.226823
CENPQ	ENSG00000031691	-1.2495	2.675207	-7.17853	1.31E-06	6.93E-06	5.497836	2.90065	2.886707	2.830836	2.393052	2.490996	2.652511	3.004565	3.178579	3.162566	3.584041	3.455132	3.596598	2.193986	2.21055	1.801384	3.439417	3.287607	3.279535
SARS1	ENSG00000031698	-0.35482	7.77206	-6.94371	2.04E-06	1.01E-05	4.288713	7.86066	7.850238	7.850453	7.663349	7.64056	7.741641	7.774342	7.794544	7.804327	8.027192	7.9375	8.031616	7.517102	7.487412	7.450815	7.854957	7.840221	7.893568
RANBP3	ENSG00000031823	-0.40905	5.718005	-8.85882	7.08E-08	5.93E-07	7.954537	5.958255	5.86717	6.017577	5.510375	5.586227	5.384134	5.643139	5.653324	5.809985	5.928855	5.873106	6.027394	5.603298	5.60119	5.557452	5.83696	5.780968	5.793844
ARID4A	ENSG00000032219	0.624921	3.469896	4.60074	0.000238	0.000637	0.022278	2.688195	2.836538	2.900124	3.533117	3.329147	3.26222	3.788265	3.550079	3.60036	3.552807	3.930661	3.7997	4.264669	4.407733	4.324754	3.775173	3.793856	3.571657
EIPR1	ENSG00000032389	-0.02645	5.483758	-0.55603	0.585238	0.642827	-7.49426	5.608696	5.592753	5.600136	5.408686	5.462043	5.513197	5.69423	5.458458	5.485906	5.44359	5.40559	5.47681	5.513008	5.544428	5.455539	5.537346	5.583118	5.518482
PNPLA6	ENSG00000032444	0.172723	5.451977	2.392196	0.028226	0.044551	-5.01376	5.840904	5.932317	5.963976	5.824713	6.023629	5.845381	5.850398	5.807211	5.860491	4.905504	4.869913	5.013889	5.329703	5.255884	5.269387	5.228777	5.086727	4.86164
IFT88	ENSG00000032742	0.246223	4.131258	3.729424	0.001601	0.003442	-1.98419	4.584905	4.738249	4.515184	4.784753	4.752128	4.834637	4.245129	4.265167	4.189248	3.991785	3.890158	3.707046	4.222798	4.132949	4.046009	3.61006	3.772348	3.631427
ALG1	ENSG00000033011	0.047137	5.438778	0.585354	0.565792	0.625068	-7.4349	5.720169	5.772502	5.724733	6.095309	6.041607	5.956646	5.916435	5.888297	6.038775	5.138995	5.128054	5.168603	4.931624	4.956139	4.935528	5.14915	5.152027	4.827974
ZCCHC8	ENSG00000033030	-0.38277	5.470452	-3.07384	0.006713	0.012383	-3.64727	6.097621	6.144785	6.050332	5.268353	5.334513	5.230878	5.872748	6.073067	5.970082	5.276793	5.214953	5.303055	5.278599	5.350262	5.255457	5.075046	5.225092	5.06679
ABCF2	ENSG00000033050	-0.12057	7.451815	-3.67291	0.001813	0.003856	-2.60223	7.817714	7.770091	7.775799	7.653978	7.743	7.64816	7.797892	7.6829	7.75571	7.237247	7.202864	7.251537	7.109987	7.056131	7.12856	7.271135	7.153961	7.232336
CHPF2	ENSG00000033100	0.424977	7.117543	11.60724	1.21E-09	2.19E-08	12.04949	7.249446	7.254112	7.326622	7.690268	7.796162	7.697052	7.746949	7.629149	7.674178	6.510383	6.387151	6.485847	6.899599	6.832416	6.821745	6.785858	6.742093	6.790741
FUT8	ENSG00000033170	0.526261	5.634286	7.469132	7.72E-07	4.39E-06	5.432561	3.810347	3.855322	3.511328	4.746789	4.522687	4.57438	3.879385	4.128801	4.08316	6.967291	7.019876	6.936582	7.354762	7.406252	7.410005	7.376184	7.366245	7.376125
UBA6	ENSG00000033178	-0.16246	6.029607	-4.27508	0.000484	0.001191	-1.1644	5.717835	5.706529	5.631035	5.510375	5.586227	5.562977	5.736627	5.656635	5.633301	6.551455	6.594939	6.425738	6.378593	6.313634	6.339916	6.522387	6.498608	6.590719
GAB2	ENSG00000033327	-0.13534	2.830168	-1.1541	0.263995	0.323726	-6.41724	3.128595	3.370829	3.176339	2.740812	2.549605	2.805104	2.779728	2.916694	2.376228	3.331423	3.136872	3.195594	3.422776	3.272884	3.253801	2.946659	2.95995	3.176297
ATP6V0A1	ENSG00000033627	-0.09053	5.719988	-1.40053	0.178856	0.229355	-6.63918	6.732205	6.704458	6.737446	6.820115	6.709846	6.740116	6.666415	6.59359	6.665144	5.115138	5.095341	4.881185	4.739835	4.79096	4.759194	4.55958	4.664642	4.61255
PIAS1	ENSG00000033800	0.713244	5.32118	9.745871	1.74E-08	1.88E-07	9.447214	4.410898	4.569336	4.547936	5.218368	5.235346	5.349094	5.35187	5.412203	5.355259	5.342194	5.391149	5.281796	6.063051	5.943067	5.950836	5.697389	5.701643	5.659138
SLC4A7	ENSG00000033867	0.695836	5.301651	2.63472	0.017107	0.028484	-4.49117	4.538049	4.457599	4.569365	6.241251	5.962929	6.044692	6.428516	6.343387	6.325625	5.085433	5.288033	5.026725	4.994054	4.8854	4.90611	4.934035	5.060349	5.081151
APBA2	ENSG00000034053	-0.46139	0.314021	-2.29005	0.0347	0.053633	-3.98169	5.97203	5.871329	5.925027	5.384166	5.593209	5.380668	5.740105	5.758745	5.497217	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MAP2K3	ENSG00000034152	-1.14551	7.172433	-9.8353	1.52E-08	1.68E-07	9.440366	8.280762	8.259763	8.322959	6.833761	6.887915	6.682166	8.213895	8.084213	8.180884	6.968031	6.862788	7.046758	6.245204	6.104779	6.236164	6.741831	6.650749	6.713336
TMSB10	ENSG00000034510	0.048027	9.445411	0.74013	0.469047	0.532534	-7.72035	9.797285	9.770462	9.759591	9.662697	9.682348	9.534573	10.12723	10.07822	10.1106	8.929355	8.880885	8.792748	9.033525	9.172109	9.131535	9.132702	9.206492	9.255367
ASTE1	ENSG00000034533	0.50055	3.084986	6.272258	7.42E-06	3.07E-05	3.626107	2.609804	2.76681	2.700947	3.237064	3.188693	3.560621	3.004565	3.102941	3.044176	3.294134	3.175905	3.297971	3.599754	3.552417	3.65138	3.66498	3.546022	3.601852
RNF19A	ENSG00000034677	0.431798	6.700826	1.891159	0.075296	0.107169	-6.0498	7.004339	7.013795	6.952501	7.359148	7.067863	7.395144	8.207001	8.226329	8.238745	5.788424	5.87162	5.755256	6.358519	6.430582	6.329981	5.675823	5.669038	5.57792
PEX3	ENSG00000034693	-0.45147	3.58557	-5.12021	7.83E-05	0.000239	1.15348	3.765853	3.714268	3.947516	3.392671	3.643567	3.18484	3.866715	3.633086	3.844255	3.997596	4.040487	4.021115	3.680716	3.462307	3.615478	3.698273	3.705831	3.498643
GABARAPL	ENSG00000034713	0.184979	5.983551	4.176696	0.0006	0.001437	-1.36804	5.717835	5.727328	5.651273	5.915919	5.827376	5.906913	5.840713	5.927193	5.937239	6.140615	6.09553	6.176908	6.306622	6.343771	6.296361	6.111117	6.084202	6.121931
SH3YL1	ENSG00000035115	0.08734	4.236554	1.208758	0.242855	0.300415	-6.66525	4.416666	4.268725	4.345467	4.290615	4.276	4.308605	4.411387	4.504423	4.404775	4.30464	4.340194	4.096105	4.390344	4.497087	4.342433	4.113016	4.123255	4.216898

FAM136A	ENSG00000035141	-0.28437	6.635114	-8.67407	9.59E-08	7.63E-07	7.542268	6.707715	6.686868	6.634467	6.375851	6.438513	6.420466	6.614311	6.752088	6.76989	6.764964	6.814905	6.754375	6.456206	6.485682	6.50991	6.841304	6.840107	6.834843
VCL	ENSG00000035403	0.414233	8.023461	6.189253	8.74E-06	3.54E-05	2.785315	8.397648	8.351936	8.427131	8.660789	8.648442	8.655441	8.518289	8.500891	8.512116	7.153186	7.145024	7.128918	7.752677	7.680533	7.699994	7.808072	7.721788	7.770478
DEPDC1B	ENSG00000035499	-1.49914	3.260217	-4.47969	0.00031	0.000804	-0.01759	3.710582	3.786518	3.717332	3.661095	3.31232	3.711713	4.321396	4.307901	3.935772	4.054455	3.907656	3.946523	1.621093	1.357245	1.851631	3.6717	3.628139	3.698167
DAPK2	ENSG00000035664	0.849669	1.806334	9.926673	1.33E-08	1.50E-07	10.05719	1.12723	1.277811	1.146821	1.634586	1.498102	1.757653	1.240874	1.082132	1.0941	3.036317	3.339557	3.085394	3.88976	3.981932	3.945482	2.679583	2.649824	2.724423
NSMAF	ENSG00000035681	-0.56432	6.487763	-8.65021	9.98E-08	7.88E-07	7.529586	7.13865	7.225157	7.204398	6.386177	6.373081	6.427202	6.767002	6.846424	6.85441	6.378535	6.311391	6.380621	5.972925	6.056601	6.044267	6.287732	6.16345	6.27031
ADSS2	ENSG00000035687	-0.15168	6.49497	-3.02447	0.007468	0.013615	-3.93204	6.524888	6.512775	6.448939	6.466234	6.54498	6.447223	6.09814	6.114582	6.031013	6.826657	6.870244	6.894602	6.565317	6.668067	6.597176	6.56181	6.507314	6.529201
TIMP2	ENSG00000035862	0.788577	8.383808	6.79637	2.69E-06	1.28E-05	3.961618	8.113287	8.143783	8.121461	8.469117	8.42453	8.341446	8.537402	8.42236	8.486806	7.767191	7.73186	7.797963	9.008259	8.97217	9.014593	8.560784	8.52826	8.550474
RFC1	ENSG00000035928	-0.31853	6.579471	-3.31181	0.004002	0.007791	-3.3209	6.287428	6.380424	6.344057	6.438717	6.415061	6.499291	6.422036	6.432985	6.39781	7.058374	7.032559	7.010062	6.351471	6.449894	6.390715	6.869344	6.920523	7.013938
TBC1D23	ENSG00000036054	0.329044	4.768916	3.728289	0.001605	0.00345	-2.15657	4.726299	4.677795	4.611291	4.687901	4.758354	4.645422	4.751751	4.670823	4.929347	4.755823	4.793538	4.763423	5.192476	5.375169	5.267074	4.774615	4.664642	4.771534
CUL3	ENSG00000036257	-0.19776	7.217134	-2.8954	0.009853	0.017435	-4.24814	7.5437	7.526831	7.556601	7.179627	7.070367	7.102914	7.41295	7.580306	7.473103	7.060457	7.044472	7.147156	7.088423	7.070759	7.131105	7.027678	7.006704	7.067213
MYOM2	ENSG00000036448	-0.75537	-1.77838	-2.28039	0.035378	0.054529	-3.86633	2.416107	2.37994	2.274882	1.457877	1.2379	1.757653	1.459147	1.809233	1.564539	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
ZZZ3	ENSG00000036549	-0.14562	5.968407	-2.22321	0.039654	0.060393	-5.43804	6.068608	6.052567	6.089793	5.765822	5.647884	5.702775	5.97958	6.126568	6.076967	6.059601	6.056844	6.048527	6.025904	6.091177	6.119251	6.01794	5.954929	5.973944
TUBG2	ENSG00000037042	0.498318	4.016518	4.442935	0.000335	0.000861	-0.3853	4.232739	3.991467	4.195052	4.910272	4.960875	4.93257	4.348988	4.175703	4.388669	3.737768	3.884278	3.829308	3.894617	4.051009	3.968435	3.245848	3.529023	3.716682
RPL26L1	ENSG00000037241	-0.66634	5.747585	-6.1253	9.93E-06	3.94E-05	2.878221	6.66474	6.565063	6.568158	5.468225	5.565074	5.547605	6.081788	6.216793	6.174129	5.544294	5.5776	5.738449	5.347525	5.379652	5.361134	5.392313	5.329416	5.453733
FLT4	ENSG00000037280	1.005774	0.70075	4.209187	0.000558	0.001352	-0.14169	3.041689	2.655462	3.029452	3.647423	3.945887	4.027574	3.891945	3.685883	3.498982	0.34397	0.259702	0.34382	0.407676	0.484926	0.335616	0.576451	0.504542	0.315289
NSUN2	ENSG00000037474	-0.6139	8.123883	-15.2237	1.59E-11	8.74E-10	16.46244	8.326286	8.333213	8.362622	7.592875	7.568874	7.636582	8.130232	7.993531	8.069743	8.522702	8.457014	8.469464	7.990155	7.990726	7.965424	8.320297	8.263767	8.334456
FBXO42	ENSG00000037637	-0.09617	4.94124	-1.99381	0.062016	0.09027	-5.664	4.905158	5.185067	5.090354	4.881362	4.960875	5.024275	5.120637	5.068879	5.155586	4.92393	5.016893	4.934378	4.853955	4.882244	4.87608	5.03391	4.936897	4.95427
MFAP3	ENSG00000037749	0.990572	5.681326	14.55364	3.32E-11	1.47E-09	15.88218	4.871956	4.826575	4.921495	5.778422	5.713437	5.875244	6.210201	6.256606	6.258527	5.14686	5.108011	5.093319	6.126359	6.134259	6.082904	6.120972	6.087109	6.209512
MRI1	ENSG00000037757	-0.1016	3.975537	-1.00123	0.330375	0.393868	-6.80528	4.381709	4.468622	4.553323	4.009923	4.081169	3.888069	4.185161	4.157125	4.288067	3.838337	3.754913	3.784665	3.913883	3.993677	4.093761	3.940112	3.980496	3.922098
METTL1	ENSG00000037897	-0.34012	5.028087	-7.0895	1.55E-06	7.98E-06	4.879162	5.501516	5.449895	5.494882	5.137544	5.138434	5.187896	5.049544	5.03875	5.188519	5.131086	5.006104	5.162801	4.766576	4.824228	4.725907	4.76522	4.81246	4.946447
AGA	ENSG00000038002	0.536457	5.316612	3.488336	0.00272	0.005522	-2.67256	5.777323	5.783578	5.810467	6.795532	6.792555	6.754917	6.237523	6.273954	6.238447	4.58494	4.45968	4.482057	4.362569	4.354074	4.315833	4.602417	4.49118	4.399883
PI4K2B	ENSG00000038210	0.191456	4.151606	2.2657	0.036434	0.055973	-5.08927	3.128595	3.286138	3.28395	3.910405	3.6964	3.868406	3.814892	3.736817	3.681923	4.721121	4.928229	4.758301	4.74791	4.971068	4.788509	5.054624	5.089629	4.902646
BOD1L1	ENSG00000038219	0.429179	6.717002	5.871544	1.65E-05	6.14E-05	2.211745	6.551345	6.587988	6.519445	6.607092	6.599745	6.874328	6.732502	6.657772	6.688357	6.487853	6.5427	6.432185	7.13893	7.145706	7.135548	6.827077	6.839246	6.795104
MAT2B	ENSG00000038274	0.316179	6.139524	6.190812	8.72E-06	3.53E-05	2.925923	5.897683	5.983164	5.910407	6.257092	6.094235	6.196313	6.119658	6.161941	6.028417	6.100676	6.145548	6.184564	6.50942	6.519589	6.469252	6.12954	6.128608	6.056209
EDC4	ENSG00000038358	-0.06786	6.351206	-2.07559	0.052985	0.078334	-5.74342	6.764225	6.766064	6.762082	6.686114	6.645807	6.602578	6.477256	6.450256	6.4988	6.20983	6.163866	6.170174	6.175078	6.126279	6.189309	5.955977	5.994168	6.01753
TRIO	ENSG00000038382	0.239063	7.734704	2.606601	0.018142	0.029994	-4.88251	8.141424	8.131698	8.199122	7.955243	8.072093	8.059816	7.622467	7.565413	7.588642	7.421443	7.440793	7.347168	7.970738	7.954751	8.032305	7.337087	7.257568	7.256264
VCAN	ENSG00000038427	-0.47235	4.228142	-1.48606	0.155079	0.20279	-6.33025	3.623492	3.439663	3.65856	4.647264	4.648682	4.98829	3.928981	3.935218	3.641718	4.977839	4.995233	4.87173	3.46257	3.68147	3.910354	5.161139	5.126826	4.946447
CLEC16A	ENSG00000038532	0.199505	5.057263	3.016166	0.007602	0.013826	-3.73645	4.969353	4.945746	4.900514	4.96641	4.905853	4.903882	5.049544	5.002785	4.825493	5.09088	5.152722	5.005268	5.489122	5.384121	5.341488	5.459873	5.19577	5.243178
CDH1	ENSG00000039068	0.45922	7.26408	2.61992	0.017644	0.029266	-4.88534	4.640181	4.624584	4.621585	5.830775	5.868245	5.918911	3.719464	3.924273	3.968647	9.66668	9.647853	9.653535	9.88054	9.8482	9.88776	9.876793	9.864435	9.899591
MTREX	ENSG00000039123	-0.2478	6.923212	-6.32367	6.71E-06	2.81E-05	3.13076	7.1993	7.266796	7.250728	6.937112	6.918814	6.897554	7.171619	7.244214	7.177464	6.846917	6.875441	6.831383	6.689989	6.683559	6.644261	6.778094	6.684725	6.742993
DNAH5	ENSG00000039139	1.382383	3.699138	12.56366	3.50E-10	8.21E-09	13.54525	2.548084	2.576149	2.812981	3.921807	3.759832	3.91707	1.648695	1.809233	1.50602	4.600298	4.91387	4.437893	5.886577	5.94458	6.12437	4.386563	4.517274	4.536426
ZFYVE16	ENSG00000039319	0.26624	5.635463	2.959756	0.008583	0.015384	-3.92517	5.596044	5.523092	5.638658	6.250324	6.152121	6.204178	5.830962	5.868449	5.877902	5.544294	5.485444	5.445288	5.500318	5.350262	5.435088	5.402449	5.456227	5.423057
RIPOR1	ENSG00000039523	0.046886	6.049549	0.421646	0.678424	0.726963	-7.64099	6.634125	6.712594	6.767886	6.229828	6.482423	6.37764	6.169514	5.988901	6.126365	5.554185	5.555569	5.673276	6.055481	6.046769	5.947952	5.669122	5.625718	5.692259
RAI14	ENSG00000039560	-0.64247	6.925523	-4.50174	0.000295	0.00077	-0.74204	7.576917	7.631684	7.615084	6.430757	6.432686	6.473492	6.700729	6.825987	6.783812	6.929032	6.968696	6.904488	6.801509	6.742175	6.706165	7.130651	7.123141	7.108985
PNKP	ENSG00000039650	0.183167	4.906742	3.396074	0.003329	0.006594	-2.91832	4.559062	4.435299	4.574673	4.569652	4.789085	4.639633	4.832157	4.657666	4.66091	5.242946	5.212608	5.238315	5.377325	5.432385	5.46364	5.201172	5.174064	5.164438
PHLPP2	ENSG00000040199	-0.69573	5.344111	-12.0348	6.89E-10	1.41E-08	12.81199	6.321645	6.220093	6.227583	5.657452	5.47722	5.705548	5.753932	5.698992	5.779429	5.264796	5.318878	5.158919	4.540442	4.429515	4.617548	4.882828	4.920695	4.926702
SPDL1	ENSG00000040275	-0.99978	4.340152	-6.78264	2.76E-06	1.31E-05	4.494772	5.125418	5.059469	5.025938	4.591236	4.478119	4.668345	4.920629	5.048863	5.146036	4.373294	4.45175	4.447471	2.872818	3.162755	3.064395	4.349322	4.423801	4.4056
STAU2	ENSG00000040341	0.576541	5.605889	6.172684	9.04E-06	3.63E-05	2.974168	5.086148	5.387379	5.293935	6.025677	5.879712	6.035905	6.045709	5.737018	5.88366	5.462622	5.403536	5.4389	5.890229	5.900029	5.787815	5.365622	5.419802	5.420236
SLC66A1	ENSG00000040487	0.102311	4.298629	1.216172	0.24009	0.29733	-6.64301	4.478633	4.569336	4.671981	4.857809	4.900234	4.956049	4.6445	4.436718	4.599264	4.098381	4.097507	4.249986	4.147483	3.940055	4.002193	4.113016	3.923096	4.058989
CTNS	ENSG00000040531	0.931018	4.152672	5.757131	2.09E-05	7.47E-05	2.409956	3.623492	3.638208	3.55495	5.132645	4.888929	5.242382	4.583863	4.703199	4.585199	4.026306	3.997554	3.743789	4.245787	4.235431	4.306856	3.900611	3.967936	3.930053
RTN4R	ENSG00000040608	0.730043	1.394925	4.098275	0.000712	0.001674	-0.69653	1.12723	1.118985	1.744977	1.74141	1.666451	1.575618	1.317361	1.001115	1.01237	1.76051	2.174476	2.243088	2.760241	2.797719	2.574402	2.878584	2.618024	2.649309
PHF23	ENSG00000040633	0.607214	6.183409	7.389838	8.92E-07	4.96E-06	5.307839	6.133086	6.059873	6.036935	6.977285	6.993284	6.94056	6.768706	6.748989	6.776094	5.6347	5.542561	5.681416	5.926252	5.981913	5.847842	5.911246	5.886506	5.843128
CDH10	ENSG00000040731	2.771255	-0.6107	6.621218	3.76E-06	1.71E-05	4.546683	2.649532	2.61635	2.37563	5.49519	5.26188	5.338414	3.814892	3.856799	4.063004	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
INPP4A	ENSG00000040933	0.821933	5.735344	7.610905	5.98E-07	3.54E-06	5.703581	4.863535	4.774231	4.652033	5.190356	4.950037	4.859751	4.926746	4.877874	4.951444	6.156285	6.333137	6.177867	7.29586	7.266807	7.310784	6.430279	6.423558	6.396253
RAB27B	ENSG00000041353	-1.17102	6.966066	-11.074	2.51E-09	3.88E-08	11.31091	8.506108	8.482055	8.445355	7.27829	7.189185	7.19064	7.146943	7.126196	6.971222	6.913747	6.898961	6.937715	5.939239	5.791513	5.855558	6.332948	6.307481	6.324128
PSMA4	ENSG00000041357	-0.22433	7.592302	-5.8218	1.83E-05	6.66E-05	2.04543	7.904419	7.878923	7.811081	7.595548	7.459453	7.597553	7.830065	7.862057	7.882603	7.50745	7.48663	7.462666	7.306833	7.370102	7.360976	7.466392	7.507456	7.511519
LSG1	ENSG00000041802	-0.00944	6.228254	-0.12181	0.904437	0.921649	-7.77885	6.122537	6.110011	6.042692	5.711012	5.627623	5.820014	5.771031	5.848324	5.85464	6.548489	6.540832	6.519535	6.840417	6.692595	6.763883	6.542691	6.555329	6.565405
PARP3	ENSG00000041880	0.072475	4.314379	0.367935	0.71734	0.763037	-7.34426	5.121892	5.137514	5.079193	4.43289	4.462952	4.264152	4.411387	4.583078	4.339245	3.825326	3.830249	3.951019	4.624704	4.630959	4.677975	3.749992	4.059571	3.856822
TNC	ENSG00000041982	-0.88451	3.558059	-10.4335	6.25E-09	8.09E-08	10.42605	1.010037	0.8079	1.028027	0.742604	0.25478	1.055701	0.670238	0.509405	0.39151	8.134595	8.229821	8.054516	7.309563	7.20121	7.266906	8.434598	8.479597	8.405009
THAP3	ENSG00000041988	-0.07626	3.767109	-0.91009	0.375156	0.439854	-6.82546	3.975752	3.952741	3.726899	3.944346	4.139571	3.868406	4.205428	4.238905	4.032233	3.844798	3.722323	3.728156	3.691919	3.520297	3.462206	3.775173	4.047684	3.856822
TDP1	ENSG00000042088	0.21313	4.501374	3.434444	0.003061	0.006128	-2.7576	4.186225	4.080378	3.971859	4.209199	4.455308	4.400463	4.215456	4.157125	4.261781	4.832603	4.675929	4.811193	4.883573	4.92887	5.025827	4.905811	5.080907	5.140638
AIFM2	ENSG00000042286	-0.55324	3.783327	-4.31062	0.000447	0.001111	-0.29484	6.499297	6.516763	6.451827	5.790912	6.013255	5.870309	6.795693	6.855094	6.845588	1.388276	1.616737	1.780195	1.336984	1.560439	1.775589	1.948641	2.006592	2.252429
SPATA7	ENSG00000042317	0.543032	3.441787	3.296287	0.00414	0.008029	-2.63481	4.073915	4.12286	4.057757	4.532944	4.318753	4.656929	4.889651	4.928048	4.88411	2.494552	2.500824	2.546206	3.181815	2.974074	3.126936	2.384669	2.618024	2.59029
MED17	ENSG00000042429	0.117919	5.661312	1.402641	0.178237	0.228747	-6.72577	5.560015	5.562207	5.440682	5.316663	5.226392	5.223158	5.547145	5.281075	5.44755	5.857155	5.826337	5.846165	6.199815	6.183802	6.223102	5.916914	5.828637	5.954574
RETSAT	ENSG00000042445	0.747094	5.780013	12.62085	3.26E-10	7.77E-09	13.51221	5.539016	5.401827	5.480815	6.420746	6.371051	6.29167	5.964794	5.874148	6.015365	5.44146	5.479606	5.443693	6.067359	6.059398	6.036143	5.614363	5.513525	5.523749
CAPG	ENSG00000042493	0.090435	5.506156	0.523304	0.607334	0.663669	-7.57394	4.767504	4.783088	4.547936	3.51817	3.683372	3.377995	4.812472	4.741115	4.801363	6.578847	6.443221	6.561304	6.965132	6.988773	7.034492	6.811947	6.77581	6.786366
AP2S1	ENSG00000042753	-0.24915	6.81013	-7.65878	5.49E-07	3.29E-06	5.715649	6.831615	6.829428	6.806748	6.600012	6.640761	6.534028	6.755021	6.784223	6.812769	7.028883	6.93425	7.087147	6.767493	6.765484	6.744068	6.966141	6.931884	7.001722
ADAM28	ENSG00000042980	0.877925	3.233418	11.66988	1.12E-09	2.05E-08	12.3613	1.755904	1.118985	1.667608	1.578054	2.03796	1.919272	1.762502	1.760835	1.314712	5.190639	5.181778	5.10547	5.99118	6.096633	6.055029	5.02344	5.095414	5.161062
BARX2	ENSG00000043039	-0.88989	0.163949	-2.08192	0.052339	0.077555	-4.78555	1.12723	1.173893	1.406977	0.106501	0.25478	0.106501	0.269385	0.106501	0.106501	2.510897	2.877496	2.615819	2.193986	2.269709	2.330481	3.552967	3.651889	3.487904
DCUN1D1	ENSG00000043093	-0.16365	5.376748	-2.83436	0.011223	0.019549	-4.15496	5.391599	5.421814	5.319453	5.277258	5.270617	5.223158	5.65424	5.528791	5.37174	5.560088	5.514285	5.589242	5.317096	5.377412	5.397528	5.321433	5.391866	5.494541
JADE2	ENSG00000043143	-0.02934	6.712179	-0.58731	0.564509	0.623908	-7.64467	6.599047	6.508776	6.56149	6.542081	6.608387	6.577063	6.552364	6.463548	6.694921	6.768368	6.855293	6.888168	6.778702	6.774873	6.770428	7.104813	7.028791	6.998889
ZIC2	ENSG00000043355	-0.30127	2.991445	-1.99769	0.061558	0.089677	-5.12028	3.541402	3.547555	3.88052	3.325575	3.89028	3.59692	3.555458	3.535768	3.453254	2.966925	2.741	2.93917	2.566893	2.288901	2.382676	2.990321	3.287607	2.742606
TRIT1	ENSG00000043514	-0.22548	4.982632	-2.78735	0.012402	0.021396	-4.21304	4.965424	4.905754	4.946277	4.209199	4.384626	4.358792	4.6145	4.734864	4.534865	5.456306	5.355466	5.46271	5.370368	5.40626	5.473701	5.516966	5.478535	5.388831
ADRB1	ENSG00000043591	-0.04534	1.307097	-0.2654	0.793803	0.828531	-6.80698	1.719036	1.277811	1.088647	1.326771	1.437317	0.909432	0.886508	1.231675	1.564539	2.510897	2.779525	2.845681	2.638129	2.863205	2.716753	2.055273	2.169028	1.775544
CUL7	ENSG00000044090	-0.05599	5.79465	-0.5116	0.615332	0.67071	-7.58214	6.448119	6.443236	6.415312	5.869565	5.984333	5.933177	5.555064	5.462247	5.62645	5.656903	5.655617	5.710877	6.067359	5.981913	5.983596	5.295562	5.299655	5.408895
CTNNA1	ENSG00000044115	0.247018	9.45206	4.585957	0.000246	0.000655	-0.74099	9.066674	9.043969	9.024596	9.483371	9.527164	9.510394	9.318676	9.260369	9.242066	9.619411	9.564126	9.567942	9.668725	9.603819	9.655795	9.665688	9.679299	9.673772
PHKA2	ENSG00000044446	-0.19842	4.728339	-3.64943	0.001909	0.00404	-2.3072	5.167074	5.044814	5.159101	4.809518	4.842803	4.937296	4.6445	4.765849	4.73921	4.772865	4.945274	4.773612	4.774502	4.592857	4.684921	4.485232	4.592839	4.382594
CNTLN	ENSG00000044459	-0.38331	3.18986	-3.88875	0.001128	0.002513	-1.34038	4.165822	4.094678	4.167214	3.425084	3.796595	3.655458	3.814892	3.935218	4.032233	2.790717	2.980302	2.724859	2.614772	2.811056	2.647333	2.935534	2.881762	2.975687
EPHA3	ENSG00000044524	2.185856	1.515168	6.930925	2.09E-06	1.03E-05	5.162667	2.165157	2.332462	1.987129	4.456603	4.439897	4.639633	3.050103	3.578282	3.468658	0.88529	0.799097	0.958181	1.248697	1.120667	1.247156	1.017342	0.572487	1.115245
HSPA5	ENSG00000044574	0.412116	10.80768	6.848962	2.43E-06	1.18E-05	3.932968	10.94237	10.90702	10.92338	11.53903	11.40819	11.44504	11.08338	11.16153	11.15708	10.25893	10.20663	10.17609	10.47497	10.537	10.48895	10.57197	10.62072	10.65155
DSG2	ENSG00000046604	0.074981	7.35375	1.128224	0.274475	0.334905	-7.242	6.72176	6.814386	6.669617	7.044025	7.054012	6.953449	6.873751	6.964651	6.923112	7.757806	7.778574	7.716132	7.671877	7.666385	7.690535	8.036433	8.080119	8.123869
GEMIN8	ENSG00000046647	-0.08093	4.115157	-0.85022	0.406698	0.471787	-6.97278	4.630287	4.639292	4.641955	4.218476	4.352066	4.323123	4.504297	4.610649	4.313883	4.071084	3.884278	3.809637	4.059394	4.148793	3.979775	3.678389	3.999132	3.753014
OFD1	ENSG00000046651	-0.05114	4.742185	-0.35488	0.726925	0.771333	-7.48062	5.030813	5.181722	5.123327	4.392481	4.360275	4.249025	4.552561	4.59693	4.444269	4.829349	4.851948	4.77868	5.22369	5.253444	5.210438	4.77149	4.798342	4.7174
WDR37	ENSG00000047056	-0.92598	4.531804	-10.521	5.51E-09	7.37E-08	10.78612	5.093368	5.041126	5.105102	3.80351	3.844198	3.9455	5.120637	5.078784	5.015776	4.793054	4.790397	4.727183	4.110387	4.10073	4.12984	4.710794	4.648991	4.712796
YTHDC2	ENSG00000047188	0.669654	5.52427	8.236481	2.00E-07	1.40E-06	6.908499	5.313374	5.29442	5.396406	6.371699	6.161547	6.269353	5.42715	5.447033	5.559688	5.208286	5.372368	5.178223	5.650003	5.661337	5.704825	5.299906	5.314612	5.40033
CTPS2	ENSG00000047230	-0.22795	4.979297	-3.14049	0.005811	0.010887	-3.4698	5.246942	5.355074	5.064177	4.797189	4.65537	4.761901	4.651903	4.62424	4.801363	5.203266	5.296913	5.219804	5.174616	5.178243	5.224807	5.054624	5.066252	5.098903
ATP6V1H	ENSG00000047249	-0.07458	5.969573	-1.13516	0.271634	0.331809	-7.08311	5.928287	6.03969	6.017577	5.866618	5.815483	5.956646	6.045709	6.040494	5.986227	6.112774	6.165079	6.168245	6.151938	5.986328	6.157205	5.841437	5.751959	5.847335
POLR2B	ENSG00000047315	0.172955	7.325663	4.848859	0.00014	0.000396	-0.01913	7.417788	7.340648	7.35389	7.512197	7.426602	7.449918	7.331152	7.443265	7.344371	7.158383	7.185635	7.141266	7.38312	7.379645	7.45336	7.255004	7.201675	7.25151
FAM214A	ENSG00000047346	0.670666	5.024355	5.704158	2.32E-05	8.21E-05	2.02735	3.765853	3.676739	3.819232	5.041505	4.801196	4.965334	4.205428	4.324646	4.420702	5.769868	5.9886	5.75397	6.21154	6.338024	6.254955	5.284643	5.403571	5.383047
ARAP2	ENSG00000047365	-0.40591	4.949565	-3.6283	0.002	0.004207	-2.46671	4.816318	4.682536	4.686762	3.714523	3.441741	3.59692	4.011872	3.856799	4.093134	6.037207	6.025131	5.965409	5.84578	5.903146	5.875427	5.862149	5.871412	5.878503
TPR	ENSG00000047410	-0.07066	7.619499	-1.47974	0.156742	0.204532	-6.79788	8.148374	8.180279	8.18661	8.006347	7.922119	8.170838	8.034353	8.041168	8.055149	7.267022	7.310376	7.160806	7.243045	7.244247	7.235319	7.018482	6.970173	7.100198
CP	ENSG00000047457	0.73754	5.789049	2.375529	0.029199	0.045908	-5.10627	5.008072	5.041126	5.018167	6.876873	7.025904	7.009506	5.697811	5.80423	5.863407	5.445717	5.98997	5.459558	5.354592	5.350262	5.278599	6.053108	6.338302	6.114968
KATNIP	ENSG00000047578	0.321211	5.216807	4.183782	0.00059	0.001419	-1.25459	5.362012	5.191734	5.287484	5.307999	5.283625	5.230878	4.857993	4.784126	4.745547	5.291059	5.288033	5.191584	5.777742	5.757473	5.832286	5.072509	5.243446	5.123395
DTNBP1	ENSG00000047579	0.157146	3.479631	1.416899	0.174091	0.22393	-6.18919	3.691678	3.976101	3.736403	3.70135	3.796595	3.632327	4.068294	3.798055	3.783962	3.255856	3.439177	3.318995	3.814873	3.560336	3.593499	3.272618	3.458949	3.079476
C12orf4	ENSG00000047621	0.232272	4.361317	2.774604	0.012742	0.021924	-4.09166	3.944154	3.96057	4.050156	4.605448	4.360275	4.447604	4.411387	4.562048	4.279358	4.615493	4.386688	4.66833	4.63635	4.682664	4.539229	4.54135	4.568087	4.536426
SCML1	ENSG00000047634	-0.79607	4.39521	-4.38866	0.000377	0.000957	-0.49996	5.269428	5.474709	5.108765	5.20443	4.928114	4.97456	5.296262	5.327507	5.313214	4.489195	4.322908	4.392334	3.048706	2.888589	2.95373	3.711377	4.041704	3.897964
WWC3	ENSG00000047644	0.732819	5.738211	6.409203	5.67E-06	2.43E-05	3.497206	6.138331	6.172014	6.234306	7.284928	7.231195	7.241206	6.564183	6.530034	6.566582	4.772865	4.735932	4.758301	5.016508	4.997558	4.95577	4.891489	4.943327	4.86164
MAP4	ENSG00000047849	0.010119	7.918484	0.152369	0.880641	0.902487	-7.90656	8.212775	8.216692	8.293887	7.958707	8.009531	8.003466	7.974349	8.053778	8.079809	7.647554	7.648022	7.651992	7.929328	7.887094	7.893045	7.710283	7.732965	7.741387
GOPC	ENSG00000047932	0.032423	5.21023	0.583995	0.566685	0.625876	-7.42469	5.294704	5.424646	5.489272	5.456512	5.529116	5.445139	5.36994	5.224202	5.261087	5.046721	5.082559	5.143288	5.127945	5.049122	5.100452	5.251384	5.160331	5.048636
USP28	ENSG00000048028	-0.42129	4.904609	-5.428	4.11E-05	0.000136	1.536103	5.272612	5.164879	4.974661	4.857809	4.871804	4.918297	4.8959	4.883536	4.726452	5.167627	5.160041	5.085161	4.650776	4.693507	4.546874	5.144327	5.077988	5.081151
HDAC9	ENSG00000048052	-0.84027	2.749305	-4.64235	0.000218	0.000588	-0.07841	2.90065	2.576149	2.848472	1.326771	0.625525	0.984419	0.782422	0.824004	0.39151	5.571821	5.444072	5.461135	4.774502	4.919664	4.826692	4.723786	4.891066	4.793504
TSPAN17	ENSG00000048140	0.651041	6.169925	14.76876	2.61E-11	1.22E-09	16.0602	5.653347	5.533626	5.705507	6.173706	6.254768	6.108942	5.78793	5.839612	5.836943	6.13667	6.084032	6.234289	6.926526	6.838942	6.813846	6.495177	6.528851	6.490722
NOP16	ENSG00000048162	-0.21331	6.782385	-6.37467	6.07E-06	2.57E-05	3.23072	6.574748	6.579116	6.54671	6.37999	6.415061	6.36717	6.546418	6.560395	6.575503	7.243985	7.098166	7.23181	6.954706	6.903402	7.009811	7.101706	7.117466	7.124668
CC2D2A	ENSG00000048342	0.569514	4.896607	7.392464	8.87E-07	4.94E-06	5.442296	4.659767	4.649014	4.696533	5.312338	5.157403	5.219282	4.348988	4.421231	4.475104	4.899309	4.839847	4.798774	5.401413	5.419382	5.361134	5.124869	5.101177	5.164438
RRM2B	ENSG00000048392	0.178141	5.763184	1.677984	0.11114	0.151235	-6.26277	6.706538	6.671448	6.640807	6.607092	6.589306	6.558776	6.684577	6.687205	6.608906	4.839091	4.884715	4.768526	5.354592	5.368419	5.305888	4.661004	4.801884	4.587619
ZNF800	ENSG00000048405	-0.8521	4.716263	-12.2986	4.90E-10	1.07E-08	13.22304	5.367978	5.281977	5.437772	4.342447	4.318753	4.264152	5.021241	5.033666	4.973208	4.86157	4.976009	5.030978	4.283307	4.394504	4.288734	4.710794	4.721863	4.622403
SNX29	ENSG00000048471	0.052336	4.476859	1.104625	0.284298	0.345367	-6.86995	4.399293	4.418344	4.307715	4.254996	4.416469	4.337497	4.283766	4.290959	4.339245	4.703453	4.793538	4.665597	4.876225	4.774033	4.79815	4.768358	4.656838	4.689552
MRPS10	ENSG00000048544	-0.46286	6.469428	-4.80025	0.000155	0.000435	-0.05184	6.622943	6.690403	6.56416	5.794018	5.671168	5.686023	6.271563	6.236837	6.348704	6.762407	6.763778	6.820367	6.677361	6.613925	6.653142	6.911829	6.81403	6.860046
RSF1	ENSG00000048649	0.017812	5.877858	0.374338	0.712656	0.758962	-7.68853	5.064268	5.091908	5.169662	5.156973	5.235346	5.345543	4.902122	5.150979	5.112107	6.71734	6.853036	6.66757	6.655352	6.730816	6.715523	6.585135	6.555329	6.610656
VPS13D	ENSG00000048707	0.288212	5.707786	4.400469	0.000368	0.000935	-0.83412	5.663084	5.706529	5.731878	5.707722	5.856685	6.015936	5.760796	5.629937	5.504708	5.614043	5.801592	5.492317	6.073797	5.987797	5.949395	5.62652	5.482955	5.647122
CELF2	ENSG00000048740	0.43053	0.490154	1.978298	0.063878	0.092668	-5.01194	0.318509	0.582935	0.512639	1.104644	0.625525	0.657796	0.782422	0.387194	0.106501	2.427256	2.632935	2.422156	2.83289	2.863205	2.647333	2.639009	2.500854	2.912845
FAM120A	ENSG00000048828	0.008964	8.607992	0.195401	0.847332	0.87371	-7.94791	8.528587	8.529538	8.588665	8.675178	8.748781	8.673612	8.661793	8.61377	8.569501	8.624557	8.587821	8.640143	8.525045	8.490091	8.482694	8.691149	8.659999	8.721801
R3HDM1	ENSG00000048991	0.05661	5.943053	0.625768	0.539553	0.600567	-7.50073	5.956277	5.979315	6.011719	6.314452	6.362903	6.460417	6.276361	6.273954	6.340354	5.766469	5.749173	5.730625	5.533393	5.443133	5.491637	5.863618	5.864653	6.000631
COL9A2	ENSG00000049089	1.436273	0.934871	3.813764	0.00133	0.002909	-1.14877	1.519087	1.465573	1.202741	1.578054	1.307481	1.475193	1.70672	1.549165	1.826075	1.315703	1.152172	1.219002	2.812503	2.962168	2.883013	1.177011	1.024588	0.872651
KITLG	ENSG00000049130	-0.10624	5.686796	-1.18774	0.250825	0.309468	-7.00566	6.232898	6.16356	6.212339	5.720837	5.681033	5.757249	5.152303	5.237527	5.136423	5.91203	5.914084	5.813205	5.974073	6.150089	6.093383	5.262556	5.289597	5.194471
ERCC8	ENSG00000049167	0.041253	3.637088	0.488054	0.631578	0.684802	-7.03665	4.117062	4.065935	4.117166	4.020568	4.1009	4.154771	4.576101	4.547856	4.505294	3.206534	3.348126	3.052298	3.381853	3.120528	3.272365	3.43152	3.2466	3.421736
ADAMTS6	ENSG00000049192	1.626811	1.41812	5.730904	2.20E-05	7.83E-05	2.903335	3.071243	2.71221	2.848472	4.584077	3.967543	4.622128	4.629578	4.365678	4.428601	0.54782	0.398185	0.449284	0.787801	1.077171	1.002253	0.738851	0.572487	0.497646
H6PD	ENSG00000049239	0.540634	5.865068	10.83017	3.54E-09	5.17E-08	11.0212	5.506933	5.477439	5.560557	5.863665	5.984333	5.840343	5.590171	5.646681	5.673738	5.816639	5.898124	5.856986	6.50942	6.514503	6.458146	5.968311	5.911317	5.960412
VAMP3	ENSG00000049245	0.254391	6.691362	6.399023	5.79E-06	2.47E-05	3.296921	6.901149	6.824074	6.799965	7.040106	6.982688	6.961592	6.723746	6.779676	6.656763	6.441708	6.408817	6.463992	6.737395	6.810172	6.798718	6.472264	6.45202	6.451187
PER3	ENSG00000049246	0.349503	2.995766	4.384458	0.000381	0.000964	-0.59303	1.12723	1.631689	1.667608	1.888135	2.398361	1.840725	1.389995	1.85606	1.826075	4.656475	4.793538	4.763423	5.056064	4.985845	5.025827	4.835732	4.79123	4.874064
TNFRSF9	ENSG00000049249	-0.89515	0.810755	-5.21887	6.36E-05	0.000199	1.767126	1.561356	1.744817	1.667608	0.742604	0.92021	0.563119	0.670238	1.082132	0.925731	2.574485	2.516115	2.435052	1.954519	2.10622	2.121111	1.599785	1.513652	1.416439
EPN3	ENSG00000049283	0.436808	0.748323	5.198616	6.64E-05	0.000206	1.121385	0.106501	0.215206	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	4.880563	5.051412	5.153077	5.50509	5.419382	5.40175	5.392313	5.341637	5.214151
LTBP1	ENSG00000049323	0.981711	4.393797	3.831731	0.001279	0.002809	-1.75768	4.949597	4.897622	4.76778	6.227533	6.317247	6.408603	4.779054	4.540708	4.313883	3.568508	3.547323	3.400153	3.719554	3.86531	3.658454	3.951202	3.743163	3.930053
RCN1	ENSG00000049449	0.574828	7.79954	10.89897	3.21E-09	4.76E-08	10.99873	8.128303	8.153634	8.103212	8.62374	8.623508	8.642837	8.506086	8.606085	8.620386	6.811892	6.904782	6.901587	7.509998	7.522799	7.522842	7.095472	7.076371	7.173236
RFC2	ENSG00000049541	-1.02918	5.542813	-10.5518	5.27E-09	7.13E-08	10.6712	5.795144	5.7433	5.808216	4.999073	5.1432	5.127141	5.35187	5.412203	5.392079	6.164057	6.113234	6.182654	4.955062	5.012067	4.920894	6.029758	6.137047	6.083215
ARID1B	ENSG00000049618	0.281291	5.661198	3.75539	0.001513	0.003269	-2.24588	5.562619	5.538865	5.437772	5.938549	5.943937	5.988874	5.547145	5.431657	5.300358	5.600742	5.704822	5.63047	5.836975	5.857276	5.701404	5.792948	5.832106	5.785098
CLPTM1L	ENSG00000049656	0.263204	7.940385	7.787126	4.37E-07	2.70E-06	5.864509	7.776817	7.715617	7.731338	7.951075	7.970514	7.938355	7.883716	7.896066	7.834367	7.884343	7.911717	7.944955	8.263714	8.152706	8.239031	8.015454	7.977343	7.949431
NEDD4L	ENSG00000049759	-0.241	5.730311	-3.47013	0.00283	0.005716	-2.88708	5.968108	5.761341	5.947704	5.626427	5.326156	5.532066	5.586312	5.514266	5.530627	6.088476	6.069855	6.14194	5.993445	5.929373	5.997611	5.515099	5.539222	5.585495
PPP1R3F	ENSG00000049769	0.671893	2.348485	4.196826	0.000574	0.001386	-0.44625	3.011517	3.209365	3.359697	4.062381	3.945887	3.936085	3.647218	3.578282	3.69508	1.352446	1.777644	1.858866	1.897591	1.591687	2.036756	1.992244	1.82352	1.546329
HEXB	ENSG00000049860	0.567281	7.421427	9.57269	2.28E-08	2.31E-07	9.006939	7.946391	8.025142	8.042257	8.760211	8.701505	8.75283	8.435987	8.471588	8.500922	6.281841	6.337447	6.297442	6.651053	6.671727	6.654912	6.398222	6.447504	6.404842
PTCD2	ENSG00000049883	0.060573	4.699574	0.965205	0.347608	0.411896	-6.96444	5.316463	5.181722	5.231457	5.156973	5.287935	5.341983	5.490461	5.344028	5.408147	4.156676	4.23323	4.054926	4.218931	4.381153	4.124741	4.166333	4.216457	4.376785
JKAMP	ENSG00000050130	0.25628	5.892767	3.411112	0.003221	0.006407	-2.9731	6.183009	6.203694	6.027288	6.406612	6.373081	6.433907	6.662755	6.756723	6.809748	5.351299	5.265591	5.225382	5.413307	5.614563	5.497567	5.459873	5.408227	5.459242
DKK3	ENSG00000050165	3.295668	0.45815	5.024777	9.59E-05	0.000285	1.529487	2.798329	2.49222	2.700947	6.033582	6.156841	6.011461	3.690999	3.491964	3.832397	0.190076	0.330605	0.16959	0.106501	0.416769	0.186984	0.257084	0.358227	0.214669
ARHGEF5	ENSG00000050327	0.79963	0.956705	5.553388	3.17E-05	0.000108	2.032513	0.106501	0.215206	0.598525	0.52061	0.389229	0.2349	0.269385	0.622068	0.106501	4.009149	4.092415	4.15575	4.861416	4.817636	4.851597	4.394709	4.151298	4.329449
NFE2L3	ENSG00000050344	-0.40488	3.571052	-1.7912	0.090594	0.126391	-5.56409	5.034569	5.164879	5.123327	4.199863	4.149079	4.154771	4.479546	4.405576	4.3476	2.47802	2.687979	2.473063	3.083152	3.131201	3.021143	2.979529	3.009816	2.990979
MCUR1	ENSG00000050393	-0.28178	5.42117	-6.4948	4.80E-06	2.10E-05	3.652331	5.460225	5.546688	5.525355	5.380038	5.338674	5.291197	5.54317	5.517911	5.633301	5.552212	5.575777	5.612134	5.244764	5.253444	5.191054	5.562876	5.440404	5.534225
LIMA1	ENSG00000050405	-0.73476	6.988263	-3.62846	0.001999	0.004206	-2.69634	7.658891	7.547121	7.550552	5.918767	5.868245	5.759919	5.943836	6.014928	5.986227	7.756521	7.678921	7.788888	7.697812	7.758758	7.704701	7.105433	7.105331	7.189897
LETMD1	ENSG00000050426	-0.08153	4.984485	-0.57166	0.574833	0.633401	-7.37332	5.588399	5.533626	5.643717	5.1029	5.008661	5.037542	5.37889	5.514266	5.504708	4.604112	4.815334	4.578198	5.053895	4.941053	5.031287	4.32821	4.563921	4.365096
SLC4A8	ENSG00000050438	0.946503	0.242537	3.060968	0.006902	0.012699	-2.80747	0.742531	0.582935	0.323815	1.326771	1.164793	1.367251	0.269385	0.106501	0.515351	1.676063	1.644832	1.820066	2.270712	2.307842	2.294605	1.759719	2.354144	2.350536
LAMC3	ENSG00000050555	-0.22913	2.847894	-1.41989	0.173232	0.222926	-5.85758	4.333741	4.312206	4.37619	3.999198	4.061165	4.071231	4.702691	4.519046	4.745547	1.964162	2.115463	1.933468	1.897591	1.993753	2.07955	1.512637	1.82352	1.81044
PTGER3	ENSG00000050628	0.390642	-1.45562	0.922672	0.368741	0.433653	-5.72619	1.791852	1.465573	1.54317	1.519216	2.366112	2.029614	1.966276	1.710758	1.564539	0.106501	0.106501	0.230035	0.106501	0.106501	0.263213	0.183756	0.19538	0.106501
MAPK9	ENSG00000050748	0.186792	7.787171	1.580833	0.131843	0.175992	-6.71226	6.685193	6.724138	6.662156	6.365449	6.310908	6.286123	6.749855	6.71922	6.779187	8.849269	8.844818	8.824643	9.355355	9.319085	9.374963	8.79617	8.828385	8.861209
BCAR1	ENSG00000050820	-0.22136	6.512888	-1.76984	0.094196	0.130801	-6.29566	6.535529	6.593033	6.681965	6.178467	6.28095	6.031491	5.958837	5.733887	5.920533	6.649755	6.752525	6.984521	6.859794	6.710498	6.687266	7.119019	7.052777	6.804871
FAM160A2	ENSG00000051009	-0.29248	4.440541	-4.5301	0.000278	0.000729	-0.30715	4.969353	4.976959	4.883506	4.54774	4.701332	4.420855	4.512454	4.467202	4.45204	4.573314	4.361514	4.524909	4.301707	4.210485	4.385705	4.249541	4.328771	4.286716
HERPUD1	ENSG00000051108	1.217204	6.155413	25.91775	2.15E-15	2.36E-12	25.56007	6.695905	6.541767	6.593219	7.937798	7.720059	7.772384	6.753301	6.922647	6.858801	4.793054	4.765022	4.835713	6.002473	6.013985	5.976538	5.064871	4.99066	5.041309

HOMER3	ENSG00000051128	-0.11749	3.508918	-0.61414	0.547037	0.607094	-6.92759	4.29042	4.34846	4.564038	3.70135	3.878897	3.584921	4.384974	4.040332	4.570996	2.708071	2.935512	2.724859	3.436163	3.253475	3.253801	3.341669	3.356678	3.254409
RAD51	ENSG00000051180	-2.36163	3.474689	-9.78762	1.64E-08	1.78E-07	9.832192	4.073915	3.896716	3.863273	2.97776	2.686486	2.998412	3.296733	3.462004	3.528681	4.782995	4.765022	4.753161	2.24051	2.169719	1.992654	4.723786	4.648991	4.597643
POLQ	ENSG00000051341	-1.91188	3.302082	-5.65548	2.57E-05	8.95E-05	2.43963	3.373632	3.657602	3.607684	3.181227	3.531716	3.306732	3.617275	3.578282	3.721038	4.346223	4.439772	4.324649	1.689764	1.710321	1.900186	4.222335	4.200441	4.329449
PIK3CB	ENSG00000051382	0.010943	5.857874	0.155793	0.877982	0.90023	-7.69754	6.006859	6.041536	6.040775	6.274985	6.319354	6.237133	5.928678	5.865591	5.88366	5.730282	5.87162	5.805777	5.644247	5.589628	5.592963	5.680829	5.684473	5.708538
CYBA	ENSG00000051523	0.1241	6.104622	1.328924	0.200962	0.253998	-6.83499	6.497937	6.66667	6.663402	6.519742	6.743187	6.479985	6.470991	6.371863	6.557606	5.259969	5.540693	5.671915	5.743154	5.831329	5.773225	5.985944	5.869726	5.644707
THOC3	ENSG00000051596	-0.54755	4.430571	-5.2595	5.84E-05	0.000185	1.233126	4.630287	4.629503	4.66702	3.633621	3.808643	3.700636	3.965091	3.935218	4.05282	4.832603	5.011508	5.083114	4.698772	4.642195	4.631995	5.075046	5.112633	4.930673
HEBP2	ENSG00000051620	0.560185	5.739668	3.945841	0.000995	0.002255	-1.78869	5.5935	5.549286	5.443586	5.918767	5.782263	5.817452	6.686381	6.636135	6.744804	5.038288	5.082559	5.162801	5.850787	5.876434	5.818141	5.692441	5.599495	5.547215
MPHOSPH	ENSG00000051825	-0.0746	3.890361	-0.50558	0.619465	0.674338	-7.01772	4.71698	4.710662	4.813395	4.839889	5.094821	4.98829	5.049544	5.263813	5.252213	3.155466	3.166245	3.117748	2.67247	2.344993	2.661487	3.52355	3.404065	3.509302
PLEKHA5	ENSG00000052126	1.016385	6.164679	6.610321	3.84E-06	1.74E-05	3.819702	6.120772	6.213556	6.050332	7.722411	7.593457	7.673875	6.905069	6.897684	6.864635	5.47933	5.382832	5.351474	5.78822	5.71376	5.761774	5.293385	5.279468	5.305663
PRSS8	ENSG00000052344	0.825195	2.064136	5.861414	1.69E-05	6.24E-05	2.403092	0.503316	0.582935	0.421314	0.106501	0.106501	0.106501	0.548589	0.622068	0.256032	6.031553	5.985857	5.96763	6.984624	6.859146	6.876618	6.65123	6.649766	6.58695
SIKE1	ENSG00000052723	-0.35413	5.76149	-7.60567	6.04E-07	3.56E-06	5.721522	5.734094	5.76358	5.703085	5.290513	5.128856	5.30954	5.631951	5.514266	5.602211	6.154986	6.247552	6.175948	5.939239	5.958132	5.905471	6.062088	6.020253	6.067072
RRP12	ENSG00000052749	-0.27478	7.031823	-2.44398	0.025394	0.040617	-5.13771	7.715554	7.643283	7.704957	6.977285	7.059064	6.902396	7.165166	6.971313	6.994023	6.917583	6.746865	6.817292	7.058439	6.906512	6.912567	6.785858	6.759506	6.744122
FNIP2	ENSG00000052795	0.090215	4.038893	0.798555	0.435266	0.499838	-6.9825	3.975752	4.021717	3.979882	4.392481	4.301803	4.627987	4.583863	4.459641	4.647437	3.980092	4.035189	3.946523	3.752032	3.826433	3.700188	4.175819	4.100421	3.814473
MSMO1	ENSG00000052802	-0.24481	6.017204	-5.65696	2.56E-05	8.93E-05	1.84032	6.145295	6.168638	5.997956	5.966346	5.797458	5.872779	6.01446	6.004573	6.028417	6.306629	6.230272	6.19028	5.996837	5.989265	5.969444	5.99401	5.961279	6.088556
TTC17	ENSG00000052841	0.112013	6.37117	1.331365	0.200174	0.253204	-6.88073	6.617945	6.646185	6.601043	6.603556	6.489925	6.738763	6.915871	6.712874	6.797601	6.131394	6.050294	6.102067	6.295648	6.298326	6.341015	5.919739	5.894824	5.855713
FSTL4	ENSG00000053108	2.160632	3.251559	7.435241	8.21E-07	4.63E-06	6.044284	4.876148	4.826575	5.037516	7.277181	7.066609	7.183695	6.616205	6.472967	6.658443	0.934589	1.190799	1.248523	1.711947	1.393161	1.08859	1.286141	0.871168	1.115245
FOXN3	ENSG00000053254	0.986937	1.935241	3.443913	0.002998	0.006018	-1.96203	3.183753	3.347134	3.133821	3.688057	3.89028	3.445903	3.788265	3.462004	3.323715	0.982259	0.748206	0.594297	2.145912	2.084417	1.992654	1.512637	1.368306	1.170016
AKR7A2	ENSG00000053371	-0.09989	5.37986	-1.92384	0.070816	0.101454	-5.89098	5.227386	5.318988	5.287484	5.067404	5.162106	5.015363	5.223595	5.263813	4.934903	5.693164	5.608245	5.759107	5.692458	5.631577	5.638396	5.712133	5.64557	5.603018
MRTO4	ENSG00000053372	-0.68302	6.865243	-13.2759	1.46E-10	4.34E-09	14.24518	7.032784	7.007196	6.948417	6.197356	6.145011	6.186421	6.608615	6.706499	6.688357	7.37197	7.25335	7.432839	6.814382	6.731693	6.814638	7.353376	7.252399	7.267296
USE1	ENSG00000053501	0.213319	4.108962	2.971407	0.008371	0.015053	-3.60424	4.450796	4.366251	4.382257	4.375995	4.392653	4.531264	4.225415	4.482206	4.279358	3.838337	3.970058	3.999574	4.287006	4.230476	4.293286	3.812139	3.85652	3.725851
LAMA3	ENSG00000053747	-1.24139	5.107092	-5.43319	4.06E-05	0.000135	1.494499	4.511345	4.256058	4.441562	4.502891	4.335505	4.78306	4.709802	4.428995	4.380548	6.257831	6.304802	6.278785	4.604095	4.600559	4.535391	6.668972	6.640893	6.596979
AP5M1	ENSG00000053770	0.364563	5.402414	7.039384	1.70E-06	8.64E-06	4.692072	5.111261	5.130591	4.950366	5.547654	5.375591	5.474701	5.021241	5.246342	5.072328	5.581526	5.672774	5.525857	5.911951	5.956632	5.881486	5.406484	5.431284	5.585495
ANAPC4	ENSG00000053900	-0.18147	5.090092	-3.42513	0.003124	0.006239	-2.86996	5.153322	5.253581	5.134153	4.97738	4.764552	4.903882	4.926746	5.03875	5.010523	5.389369	5.231258	5.26203	5.170617	5.178243	5.248442	5.161139	5.271824	5.326909
TRAPPC3	ENSG00000054116	0.014127	5.920146	0.329142	0.745959	0.787598	-7.67209	5.999192	6.015467	6.093496	6.064776	5.976344	5.968239	5.840713	5.918946	5.800886	5.857155	5.892276	5.968739	5.926252	5.918631	6.044267	5.916914	5.879817	5.921037
THRAP3	ENSG00000054118	-0.43609	7.556234	-7.98411	3.09E-07	2.02E-06	6.256238	7.934379	7.928163	7.938003	7.244634	7.29361	7.340886	7.719025	7.714215	7.659151	7.566797	7.574611	7.64819	7.328082	7.385229	7.335823	7.534798	7.520416	7.490154
PHPT1	ENSG00000054148	0.300414	6.393128	6.570985	4.14E-06	1.86E-05	3.707862	6.971409	6.861142	6.97676	7.264921	7.377903	7.252628	7.063352	6.998961	7.131024	5.647693	5.551865	5.734542	5.852036	5.930901	5.822871	5.692441	5.661257	5.642288
LY75	ENSG00000054219	0.373418	-0.08266	3.255709	0.004523	0.008697	-2.78867	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.659289	3.7289	3.630629	4.033205	4.022628	4.098971	3.883346	3.698248	3.856822
ARID4B	ENSG00000054267	0.344152	5.711497	4.386726	0.000379	0.00096	-0.84363	5.523064	5.644701	5.592306	6.161733	6.036494	6.16038	5.985453	6.078014	6.071932	5.57959	5.529435	5.490774	5.698025	5.767769	5.607658	5.361471	5.581058	5.453733
OPN3	ENSG00000054277	0.221365	5.732378	4.067198	0.000762	0.001779	-1.33006	7.768384	7.809638	7.796958	7.951771	8.019284	7.998952	7.724302	7.64006	7.654949	3.622156	3.709078	3.608031	4.002038	3.86531	3.862146	3.651445	3.800954	3.797179
SDCCAG8	ENSG00000054282	-0.34472	3.931243	-3.16235	0.005541	0.010433	-3.15109	4.721647	4.599733	4.531653	4.009923	3.784444	3.897801	4.225415	4.128801	4.08316	3.956418	3.824119	3.863099	3.825085	3.819851	3.991027	3.637781	3.713375	3.889829
PTPRN	ENSG00000054356	0.333955	-0.05926	1.071883	0.298351	0.360028	-5.71796	3.87042	4.164126	4.050156	4.333937	4.343809	4.154771	4.367093	4.221128	4.305329	0.106501	0.185134	0.106501	0.171976	0.26996	0.186984	0.106501	0.106501	0.106501
HHAT	ENSG00000054392	0.134638	3.566019	1.230806	0.234703	0.291521	-6.38563	4.615318	4.604738	4.681852	4.727426	4.455308	4.506036	4.205428	4.119235	4.011347	2.790717	2.841532	2.855308	3.310958	3.338827	3.075009	2.957699	2.741225	2.863849
KIF1B	ENSG00000054523	0.200793	5.92694	2.364649	0.029851	0.046804	-5.18717	5.364998	5.285098	5.341417	5.790912	5.87399	6.009218	5.624444	5.7054	5.534291	6.300766	6.457152	6.158558	6.242349	6.267213	6.272352	6.34456	6.32359	6.24183
FOXC1	ENSG00000054598	1.240374	6.189882	5.520714	3.39E-05	0.000115	1.617009	5.779563	5.90823	5.826129	7.79861	7.695125	7.769737	7.698616	7.521605	7.625187	5.117808	5.22894	5.204822	5.403118	5.493636	5.465657	5.402449	5.522142	5.414576
TBC1D22A	ENSG00000054611	0.262115	4.913842	3.504282	0.002626	0.005355	-2.65616	5.256622	5.272573	5.332045	5.400559	5.309293	5.338414	4.877071	4.703199	4.956916	4.626786	4.616873	4.626781	4.98725	5.18338	4.97856	4.616418	4.710599	4.551975
SYNE2	ENSG00000054654	1.016439	6.084997	7.416914	8.49E-07	4.76E-06	5.278216	5.406168	5.469231	5.690917	5.626427	5.782263	6.089965	4.31208	4.324646	4.396744	6.751271	7.012483	6.550234	8.145684	8.135249	8.157114	5.980541	6.053325	6.171428
PLEKHH1	ENSG00000054690	0.211223	3.220312	1.502936	0.150709	0.197656	-5.99279	3.498536	3.450822	3.688245	3.408969	3.242978	3.459109	3.602068	3.431409	3.421943	2.894025	3.126946	2.671369	3.449427	3.263212	3.281558	3.545669	3.705831	3.611778
ATP9A	ENSG00000054793	1.107968	6.515486	7.825889	4.08E-07	2.55E-06	6.033107	5.1077	5.081176	5.041355	6.924414	6.917424	6.782758	5.679816	5.650007	5.70008	6.773457	6.903329	6.866912	7.534322	7.528362	7.481057	7.271688	7.21834	7.17072
FAM168A	ENSG00000054965	1.113362	6.346078	7.580511	6.32E-07	3.70E-06	5.642744	6.133086	6.211917	6.158566	7.810928	7.76481	7.805074	6.54443	6.524609	6.665144	5.606458	5.721408	5.574748	6.240442	6.130274	6.162191	5.870936	5.826899	5.84102
RELT	ENSG00000054967	-1.00864	4.021377	-8.11436	2.47E-07	1.67E-06	6.931756	3.919992	3.628412	4.050156	3.425084	3.574682	3.608819	3.814892	3.935218	4.021828	4.945135	4.84591	4.947938	3.835226	3.462307	3.72061	4.787047	4.81246	4.762652
GALC	ENSG00000054983	1.304881	7.698793	13.63771	9.46E-11	3.16E-09	14.74533	9.150834	9.176759	9.086286	10.72189	10.53758	10.57278	10.20526	10.25255	10.18155	4.957113	5.113047	4.943432	5.863229	5.949112	5.943615	5.416521	5.336761	5.510546
NOP58	ENSG00000055044	0.666219	7.376859	13.15138	1.69E-10	4.81E-09	14.07071	6.750589	6.788229	6.831347	7.543905	7.466124	7.611666	7.96769	8.010448	8.017022	6.848526	6.868011	6.822822	7.395594	7.429138	7.450815	7.726511	7.683411	7.740821
SZRD1	ENSG00000055070	-0.24713	7.753113	-6.38671	5.93E-06	2.52E-05	3.182083	7.743932	7.702255	7.688527	7.332696	7.367759	7.331043	7.696828	7.635873	7.660828	8.013276	7.934658	8.020161	7.879363	7.853247	7.802144	8.02467	7.980863	8.013543
CUL1	ENSG00000055130	-0.24143	6.745996	-6.16878	9.11E-06	3.65E-05	2.85561	7.480397	7.550367	7.521987	7.358099	7.235665	7.291907	7.306736	7.422997	7.365098	6.252981	6.217467	6.204472	5.949778	5.935475	6.021128	6.213684	6.168947	6.20624
FAM114A2	ENSG00000055147	0.069657	4.988582	1.038931	0.312997	0.375823	-6.99819	5.297832	5.102561	5.123327	5.367584	5.079986	5.242382	5.374422	5.380521	5.229787	4.899309	4.712893	4.835713	4.888451	4.985845	4.794943	4.67445	4.755137	4.894538
CYFIP2	ENSG00000055163	0.403767	4.605775	3.574546	0.002251	0.004664	-2.36661	5.552176	5.452673	5.483639	5.977316	5.830334	5.90932	5.071794	4.960553	4.929347	3.659289	3.811781	3.630629	4.110387	4.164465	3.939687	3.940112	3.863317	3.889829
TAB2	ENSG00000055208	0.127271	6.180012	3.240519	0.004675	0.008954	-3.42899	6.088617	6.237919	6.124589	6.346536	6.263548	6.412002	6.111626	6.048077	6.109268	6.202301	6.224465	6.174026	6.266905	6.305411	6.24559	6.170447	6.104426	6.173105
GINM1	ENSG00000055211	0.423405	5.736783	9.176995	4.24E-08	3.88E-07	8.491489	5.743303	5.811984	5.81496	6.241251	6.308788	6.34244	5.866398	5.924449	5.813006	5.339908	5.384916	5.467426	5.700801	5.769478	5.731905	5.550168	5.526431	5.434288
EIF2AK2	ENSG00000055332	-0.06611	7.153715	-0.64849	0.525098	0.586586	-7.65454	6.534203	6.536539	6.508393	6.960797	6.777308	6.754917	6.591391	6.714463	6.633033	7.689892	7.678921	7.638466	7.288498	7.379645	7.377148	7.905721	7.96436	8.033527
USP36	ENSG00000055483	-0.39732	7.582698	-9.81983	1.56E-08	1.71E-07	9.356634	7.871725	7.813425	7.853732	7.556762	7.483139	7.594564	7.767542	7.711034	7.810386	7.76974	7.604872	7.683405	7.239709	7.154888	7.21387	7.506414	7.46619	7.528649
KMT2C	ENSG00000055609	0.185779	6.346893	1.771526	0.093907	0.130503	-6.26545	6.003031	5.983164	6.036935	6.252583	6.278786	6.592126	6.477256	6.373876	6.338259	6.624627	6.781286	6.254437	6.634453	6.483602	6.605436	6.282253	6.24509	6.328649
MCOLN3	ENSG00000055732	0.998589	2.304542	4.62336	0.000227	0.000609	0.317057	1.681202	1.849715	1.499186	3.57705	3.207016	3.419122	2.058296	2.255906	1.674905	2.679436	2.779525	2.7037	3.039964	3.193633	3.106389	2.666185	2.854728	2.724423
PUM2	ENSG00000055917	-0.03007	7.178735	-0.4584	0.652311	0.703427	-7.74213	7.527133	7.546471	7.51786	7.403541	7.418763	7.512223	7.644902	7.733937	7.585113	6.95465	6.908408	6.852565	6.938922	6.912712	6.919945	6.734628	6.650749	6.646104
MRPL43	ENSG00000055950	0.137157	5.73692	3.32675	0.003874	0.007571	-3.16261	5.991484	5.959918	6.023412	6.030952	6.074412	6.09843	5.991301	5.959717	5.991568	5.395984	5.344801	5.537862	5.648566	5.62404	5.576251	5.467617	5.564469	5.491856
HPF1	ENSG00000056050	-0.11972	4.363214	-1.76967	0.094225	0.13083	-5.89822	4.707601	4.826575	4.509652	4.701197	4.485643	4.598452	4.695544	4.583078	4.72003	4.337085	4.322908	4.395637	4.167687	4.240369	4.237689	4.036981	4.035699	4.229846
ZFR	ENSG00000056097	-0.13811	7.471935	-3.12174	0.006052	0.011289	-3.79831	7.790763	7.771204	7.77407	7.427738	7.544765	7.505078	7.592001	7.582918	7.583345	7.395819	7.333217	7.310023	7.352999	7.341664	7.341328	7.335501	7.337853	7.326508
ZNF280C	ENSG00000056277	-0.53148	4.47474	-7.14212	1.41E-06	7.34E-06	5.071156	4.702888	4.778666	4.822347	4.082842	3.978251	3.982555	4.599263	4.696781	4.520155	4.842324	4.80914	4.818593	4.386902	4.581228	4.435973	4.519164	4.613145	4.577525
TRAF1	ENSG00000056558	-2.66886	3.167775	-9.09412	4.84E-08	4.33E-07	8.798444	5.343965	5.466485	5.369174	2.255624	1.996426	2.132113	4.101117	3.868266	3.628063	3.420635	3.517242	3.567612	1.99126	2.269709	2.036756	3.209363	3.297679	3.267027
RC3H2	ENSG00000056586	-0.04267	6.943697	-0.84779	0.408014	0.473198	-7.4734	6.835926	6.821926	6.795426	6.745073	6.716257	6.704517	7.046599	7.071441	6.972573	7.065999	7.143179	6.973514	7.044303	7.055431	7.073387	7.016503	7.0902	7.032532
IL17RB	ENSG00000056736	-1.92443	1.56864	-9.90584	1.37E-08	1.54E-07	10.05226	0.882475	1.631689	1.667608	0.742604	1.2379	0.746642	1.648695	1.082132	1.01237	3.688323	3.830249	3.882059	1.838325	1.993753	2.141451	3.595997	3.476789	3.601852
TRAF3IP2	ENSG00000056972	0.062045	4.45762	0.447139	0.660267	0.7105	-7.3569	5.121892	4.969219	5.033667	4.525489	4.600983	4.524999	4.437325	4.467202	4.170531	4.13047	4.181422	4.238998	4.676384	4.697103	4.667494	4.365992	4.391248	4.255399
GYG2	ENSG00000056998	-0.52917	3.694211	-3.0616	0.006893	0.012685	-3.04027	5.781799	5.741029	5.597531	5.20443	4.917027	5.131272	6.335028	6.278258	6.491277	1.865926	2.267764	1.933468	2.28558	1.921808	1.826726	2.135245	2.37332	2.350536
DCBLD2	ENSG00000057019	-0.65211	8.65262	-7.50428	7.25E-07	4.15E-06	5.303846	9.130798	9.082148	9.128403	8.526261	8.492395	8.578111	8.622295	8.533218	8.516755	8.867233	8.828451	8.773521	8.107757	8.086724	8.143943	8.787495	8.81091	8.799037
SOAT1	ENSG00000057252	1.308499	6.197546	5.786788	1.96E-05	7.09E-05	2.146567	5.557407	5.687786	5.538996	7.746659	7.702408	7.768411	6.973143	7.081328	7.007269	5.42646	5.450055	5.454817	5.735053	5.741888	5.826017	5.820423	5.779172	5.680517
PKP2	ENSG00000057294	0.493421	6.330615	4.942496	0.000114	0.000333	0.284508	6.834849	6.821926	6.850072	7.25819	7.081582	7.062384	6.205178	6.171229	6.229433	5.6624	5.641742	5.769327	6.433023	6.33341	6.363917	5.870936	5.821673	5.892821
GDI2	ENSG00000057608	-0.21486	7.763397	-4.8875	0.000129	0.000369	0.04576	8.253628	8.250613	8.265039	8.186129	8.05006	8.169332	8.138161	8.120626	8.13757	7.500305	7.48031	7.457145	7.150651	7.187852	7.182927	7.47314	7.423709	7.442979
PRDM1	ENSG00000057657	-0.12147	2.589234	-0.85775	0.402641	0.467843	-6.49077	3.541402	3.428416	3.28395	3.533117	3.670226	3.086148	3.457463	3.506713	3.628063	2.224158	2.267764	2.396013	2.009285	1.970168	2.276326	2.384669	2.601856	1.942153
ATG5	ENSG00000057663	0.222445	5.427969	4.854519	0.000138	0.000392	0.243125	5.843047	5.850414	5.914599	6.149661	5.989635	6.011461	5.81126	5.916187	5.794788	4.871097	4.919631	4.892917	5.07758	5.198683	5.188613	5.052051	4.90431	4.969789
TMCC3	ENSG00000057704	-0.08696	0.257926	-0.37688	0.710796	0.757434	-7.01412	0.106501	0.215206	0.323815	0.52061	0.512209	0.461789	0.106501	0.106501	0.106501	3.367773	3.398501	3.254982	3.213258	3.065945	3.137101	4.175819	4.178806	4.087723
PITHD1	ENSG00000057757	-0.81637	5.794578	-11.1795	2.17E-09	3.44E-08	11.55801	5.924244	6.024831	5.869964	4.790984	4.928114	4.899045	5.888503	6.090306	5.99689	6.298414	6.187935	6.301849	5.619524	5.629696	5.629423	6.273444	6.197469	6.260879
MTA3	ENSG00000057935	0.061458	5.291201	0.900424	0.380134	0.444745	-7.21817	5.417718	5.398948	5.47515	5.355021	5.226392	5.30589	4.968851	5.078784	5.342774	5.22076	5.290258	5.320535	5.538057	5.460164	5.449434	5.340537	5.331868	5.40033
USP13	ENSG00000058056	0.325343	4.817175	4.954068	0.000111	0.000326	0.488401	4.345883	4.47956	4.268949	4.591236	4.836932	4.627987	4.437325	4.657666	4.261781	5.190639	5.312323	5.151125	5.508262	5.510085	5.557452	5.03391	4.946531	4.965925
ATP11B	ENSG00000058063	0.11164	5.561741	1.311146	0.206774	0.260534	-6.81468	5.184082	5.300601	5.187095	5.199754	5.176125	5.257578	5.753932	5.727605	5.602211	5.698525	5.8294	5.718809	5.962555	5.866886	5.946508	5.74914	5.742773	5.780706
LAMC2	ENSG00000058085	-0.52594	6.867519	-2.66607	0.016019	0.026858	-4.72876	5.679969	5.424646	5.565897	4.647264	4.628433	4.473866	4.420085	4.389749	4.534865	8.746469	8.709203	8.784427	8.450112	8.364835	8.429926	9.6446	9.597833	9.644305
CDK14	ENSG00000058091	0.026515	2.582386	0.246338	0.808291	0.840876	-6.92459	3.142584	3.142112	2.865896	3.020814	2.970101	2.924168	2.576877	3.043491	2.915195	2.650221	2.590228	2.604447	2.614772	2.686334	2.870883	2.878584	2.465551	2.706008
SEC61A1	ENSG00000058262	0.216762	8.747688	3.330447	0.003842	0.007516	-3.44449	8.360352	8.389394	8.399356	8.836749	8.804745	8.843429	8.737251	8.673816	8.754863	8.764261	8.70149	8.729873	8.758094	8.72774	8.756012	9.106591	9.075601	9.101843
PPP1R12A	ENSG00000058272	-0.11059	6.54203	-2.29691	0.034225	0.05298	-5.35471	6.960592	6.847484	6.870716	6.836776	6.708239	6.87802	6.992225	6.983227	6.95217	6.293698	6.378811	6.309747	6.195885	6.1991	6.17458	6.103682	6.197469	6.169749
RASGRF1	ENSG00000058335	-0.16667	-1.39243	-0.72506	0.47801	0.541629	-6.25406	0.106501	0.106501	0.219246	0.106501	0.25478	0.2349	0.106501	0.106501	0.106501	2.056133	1.699433	1.73919	1.446877	1.681564	1.423614	1.250674	1.478665	1.416439
CROCC	ENSG00000058453	0.346617	2.521765	2.34884	0.030822	0.048163	-4.59783	2.416107	2.513665	2.621113	2.359902	2.429905	1.956998	2.01302	1.85606	1.620777	2.930935	3.232543	3.232997	3.840269	3.528394	3.571181	3.415594	3.449945	3.202807
POLR3E	ENSG00000058600	-0.20487	6.42159	-4.5417	0.000271	0.000713	-0.59832	6.703003	6.66667	6.712382	6.50655	6.628918	6.639299	6.704294	6.558627	6.594935	6.351563	6.386111	6.42493	6.148892	5.987797	6.142143	6.22172	6.259333	6.267173
ATP2B4	ENSG00000058668	-0.12284	5.539971	-1.34191	0.196798	0.249332	-6.8167	5.533718	5.582643	5.552509	5.213737	5.212855	5.387592	4.599263	4.45204	4.490278	6.173072	6.19982	6.018854	6.122223	6.128944	6.080272	5.886907	5.8459	5.8578
ZC3H11A	ENSG00000058673	-0.19273	7.404031	-3.70831	0.001678	0.003589	-2.50627	8.038577	8.018126	8.047038	7.804012	7.703215	7.860868	8.105506	8.190807	8.168556	6.931311	6.994172	6.785547	6.747498	6.743045	6.801916	6.829332	6.818409	6.85692
RIOK2	ENSG00000058729	-0.30139	5.417324	-4.72747	0.000181	0.0005	-0.06254	5.814934	5.768048	5.69823	5.250376	5.279302	5.366721	5.286782	5.439365	5.367637	5.439327	5.481554	5.501542	5.338642	5.294379	5.303633	5.501961	5.52857	5.475641
YIPF1	ENSG00000058799	0.784039	4.440785	14.08424	5.64E-11	2.14E-09	15.41386	3.96004	4.190995	4.095173	4.753186	4.648682	4.685302	4.19533	4.009594	3.935772	4.438829	4.502533	4.50975	5.302552	5.284851	5.361134	4.511692	4.460128	4.347382
NDC1	ENSG00000058804	-0.58797	5.740892	-5.7669	2.04E-05	7.33E-05	2.129672	5.572986	5.585177	5.533555	5.346585	5.47722	5.503669	6.040078	6.114582	5.895106	6.183306	6.129481	6.056895	5.111351	5.284851	5.28547	6.296455	6.166201	6.268742
DGKG	ENSG00000058866	-0.52763	2.686761	-3.0684	0.006792	0.012523	-2.80934	4.992709	4.897622	4.950366	4.647264	4.392653	4.512384	4.938902	5.023446	5.072328	1.52331	1.152172	1.631268	0.869014	1.032323	0.957066	1.784732	1.956613	1.626848
FLYWCH1	ENSG00000059122	0.325209	5.114691	5.944445	1.43E-05	5.41E-05	2.632995	5.618738	5.501788	5.64624	5.988204	6.069414	5.894815	5.81126	5.698992	5.776337	4.327889	4.45968	4.447471	4.673561	4.588991	4.6463	4.650836	4.613145	4.494122
UNKL	ENSG00000059145	-1.08461	4.875026	-5.14423	7.45E-05	0.000228	1.173358	7.293996	7.404459	7.463818	6.05186	6.051781	5.926062	7.133784	6.94041	7.069211	3.155466	3.21391	3.203153	3.281595	3.292034	3.157218	2.946659	3.138674	2.81313
TBXAS1	ENSG00000059377	0.152257	0.888433	0.34419	0.73481	0.777844	-6.33992	1.959273	2.068355	1.921989	2.81607	2.633282	2.865864	2.832807	3.043491	2.670735	0.834246	0.89579	1.219002	0.656707	0.190544	0.651457	1.099384	1.329561	1.461048
PARP12	ENSG00000059378	-0.37687	5.889815	-5.26662	5.75E-05	0.000182	1.005486	5.578142	5.501788	5.396406	5.171375	4.939117	5.00189	5.109925	5.268148	5.126746	6.649755	6.62434	6.632311	6.341723	6.285244	6.336612	6.85613	6.835794	6.865242
ALDH18A1	ENSG00000059573	-0.23508	7.060925	-4.45451	0.000327	0.000843	-0.83943	7.926821	7.948973	7.899922	7.647983	7.708048	7.656066	7.436719	7.445181	7.455816	6.59139	6.546428	6.593295	6.35764	6.363142	6.389653	6.437198	6.432727	6.479923
TARBP1	ENSG00000059588	-0.09453	5.500355	-2.37509	0.029225	0.045934	-5.00851	6.416805	6.472276	6.443147	6.361268	6.334017	6.311829	6.4068	6.316432	6.35286	4.779626	4.758608	4.719298	4.745223	4.704269	4.584502	4.700972	4.613145	4.680149
GATB	ENSG00000059691	-0.79856	4.852011	-12.5495	3.56E-10	8.30E-09	13.54017	5.98955	5.957964	5.949748	5.009799	5.013874	5.076625	5.208612	5.136826	5.202407	4.889966	4.679329	4.8741	4.139322	4.279275	4.237689	4.240529	4.134537	4.311289
MXD1	ENSG00000059728	-1.104	3.668004	-7.50928	7.18E-07	4.12E-06	5.688764	1.519087	1.670392	1.744977	2.766336	1.909591	2.346268	2.340763	2.069791	2.005764	6.227246	6.341745	6.323684	5.04081	5.029288	4.99542	5.90413	5.914593	6.050746
CDK17	ENSG00000059758	0.409244	5.180916	4.328872	0.00043	0.001072	-0.85628	4.937612	4.95753	5.033667	5.626427	5.518152	5.719334	5.875913	5.957035	5.88366	4.889966	4.796672	4.732417	4.973543	4.979952	4.914999	5.09268	5.003024	5.123395
DNAJC25	ENSG00000059769	0.019322	4.186135	0.126669	0.900648	0.918511	-7.32237	4.640181	4.624584	4.686762	4.316764	4.276	4.330328	5.009762	5.146277	4.945952	3.838337	3.811781	3.696374	4.151547	4.10615	4.139984	3.6717	3.667508	3.805852
SLC2A3	ENSG00000059804	0.618949	4.073905	4.521887	0.000282	0.00074	0.130486	6.37001	6.426375	6.214041	7.003011	6.955853	6.978887	7.262685	7.184693	7.263882	1.278001	2.011405	1.387696	1.573426	1.710321	2.07955	2.192442	2.169028	2.119598
CTDP1	ENSG00000060069	0.299504	4.686948	4.675705	0.000203	0.000551	-0.042	4.794334	4.847837	4.835673	4.988267	4.97698	4.927828	4.709802	4.831761	4.929347	4.382206	4.394983	4.623968	4.902986	4.794321	4.94134	4.581158	4.49118	4.444998
YBX3	ENSG00000060138	-0.14766	7.516288	-2.6073	0.018116	0.029954	-4.84857	7.92328	7.87375	7.848263	7.709311	7.593457	7.640935	8.065872	7.95842	8.026811	7.27482	7.23787	7.230886	7.236365	7.100256	7.209662	7.166778	7.22693	7.120329
STYK1	ENSG00000060140	0.231615	1.239061	1.495042	0.15274	0.200099	-5.97885	1.010037	1.118985	1.202741	0.52061	0.625525	0.461789	0.548589	0.387194	0.515351	3.284659	3.26005	3.210672	3.611602	3.731427	3.533199	3.374993	3.628139	3.410407
WNK1	ENSG00000060237	0.329398	8.200127	2.345412	0.031037	0.048461	-5.40917	8.380781	8.442071	8.536238	9.071458	9.12387	9.247825	8.233766	8.155558	8.18497	7.781577	7.915326	7.66505	7.737889	7.742318	7.773107	7.921666	7.881404	7.903704
CCAR1	ENSG00000060339	0.113737	7.013195	1.971359	0.064727	0.093727	-5.97089	7.418506	7.437793	7.458803	7.728917	7.669753	7.796646	7.722545	7.685333	7.634607	6.396241	6.498155	6.478858	6.390676	6.32994	6.403403	6.479942	6.409694	6.523954
OGFR	ENSG00000060491	0.607376	5.96718	6.618919	3.78E-06	1.72E-05	3.794956	5.064268	5.17164	5.045184	5.930104	6.116215	5.906913	5.422829	5.38452	5.325957	6.074798	6.201003	6.331464	6.716289	6.562608	6.612739	6.764798	6.701892	6.539638
GNA15	ENSG00000060558	0.706458	-0.32371	3.423229	0.003137	0.006261	-2.17692	0.318509	0.316291	0.106501	0.258133	0.106501	0.106501	0.269385	0.253663	0.106501	2.461296	2.516115	2.369387	3.157774	3.213858	3.21594	2.866919	2.665466	2.760563
PIGV	ENSG00000060642	-0.29343	3.999784	-3.07894	0.006639	0.012266	-3.38907	4.615318	4.424018	4.357835	4.041626	3.683372	3.818042	3.747379	4.040332	3.856018	4.187508	4.283241	4.335006	4.234338	4.24529	4.169997	3.98397	3.890192	3.734962
PTPRU	ENSG00000060656	1.065243	5.739128	10.8157	3.61E-09	5.26E-08	10.95989	3.701161	3.676739	3.431666	5.077635	5.008661	5.072334	3.539581	3.102941	3.513908	7.153837	7.196946	7.204297	8.168171	8.091856	8.100124	7.463491	7.443689	7.400665
SNRNP40	ENSG00000060688	-0.47498	5.731671	-8.29366	1.82E-07	1.29E-06	6.96264	5.520388	5.704199	5.64624	5.218368	5.064996	5.268872	5.188389	5.352217	5.375831	6.348156	6.255545	6.341773	5.833186	5.841114	5.847842	6.289918	6.308726	6.287442
QSER1	ENSG00000060749	-0.03298	6.063748	-0.41031	0.686566	0.734582	-7.62729	6.231262	6.338981	6.415312	6.498957	6.444317	6.608517	6.602897	6.535438	6.383659	5.778332	5.901039	5.612134	5.571804	5.464391	5.485683	5.85183	5.868037	5.97009
MPC1	ENSG00000060762	0.478588	2.783683	2.41858	0.026748	0.042482	-4.36482	2.461454	2.258179	2.351095	3.308302	3.6964	3.523386	3.388228	3.302095	3.143496	2.955028	3.15652	3.026968	2.949505	2.824271	2.965187	2.843302	2.881762	2.84714
ACAA1	ENSG00000060971	0.529562	5.216473	4.974184	0.000107	0.000313	0.467258	4.538049	4.553894	4.641955	5.660858	5.657909	5.578188	4.651903	4.690335	4.680887	5.632834	5.510473	5.612134	5.722816	5.788145	5.813395	5.315009	5.322033	5.277879
BCAT1	ENSG00000060982	0.603843	6.827077	2.243778	0.038064	0.058264	-5.54663	5.153322	5.201677	5.130553	4.569652	4.594038	4.604407	5.555064	5.602735	5.591697	8.552862	8.536491	8.480781	9.541441	9.569774	9.559644	7.655822	7.716636	7.718028
HDAC7	ENSG00000061273	-0.00586	6.303465	-0.05382	0.957689	0.965074	-7.77047	6.673197	6.640104	6.732706	6.164136	6.3444	6.223654	6.522384	6.377892	6.447246	5.978182	6.134444	6.01349	6.482252	6.326461	6.423268	6.123425	6.229391	5.96816
SPAG4	ENSG00000061656	0.338488	4.028058	4.039238	0.000811	0.00188	-1.23001	3.96004	4.230384	4.095173	4.181007	4.56592	4.218286	4.772276	4.715948	4.807433	3.446357	3.682218	3.413246	4.028794	3.86531	3.78667	4.122857	4.189664	4.087723
NCKAP1	ENSG00000061676	0.0061	8.288109	0.199554	0.844132	0.870915	-7.92514	8.310109	8.303126	8.296299	8.369583	8.340922	8.419947	8.386918	8.362297	8.389503	8.291837	8.261071	8.226171	8.183384	8.207946	8.217038	8.24203	8.194032	8.26971
MRPS35	ENSG00000061794	-0.57443	7.159437	-10.5334	5.41E-09	7.28E-08	10.47553	7.342524	7.346635	7.229012	6.498957	6.606662	6.504077	7.023954	7.041366	7.026913	7.619094	7.553924	7.612093	7.141997	7.220704	7.182927	7.349714	7.353025	7.408516
GUCY1B1	ENSG00000061918	-0.25675	1.964388	-1.89614	0.074598	0.106293	-5.50229	0.882475	0.316291	0.756332	1.104644	0.625525	0.909432	1.160105	1.491012	1.171446	4.276236	4.357275	4.402219	3.86027	4.132949	4.104162	4.507942	4.580516	4.557121
SFSWAP	ENSG00000061936	-0.30799	5.814974	-9.69616	1.88E-08	1.99E-07	9.295238	5.792929	5.765816	5.780922	5.502803	5.465853	5.461637	5.457042	5.447033	5.466856	6.292517	6.294863	6.339202	6.063051	5.940035	6.015629	6.020575	6.001889	6.043431
TNK2	ENSG00000061938	0.595519	3.585693	5.297205	5.40E-05	0.000173	1.49287	3.944154	3.8803	3.638424	4.142539	4.231942	4.096805	3.490873	2.753138	3.254305	3.599408	3.381904	3.451828	4.179675	4.269646	4.098971	3.530961	3.520448	3.31642
MON2	ENSG00000061987	0.536899	5.674286	8.533101	1.21E-07	9.24E-07	7.418979	5.501516	5.520446	5.528093	6.263828	6.163893	6.278694	5.925627	5.938116	6.015365	5.264796	5.457995	5.217939	5.632665	5.681447	5.677227	5.442295	5.593376	5.567757
CDH3	ENSG00000062038	0.518178	4.009328	7.620512	5.88E-07	3.49E-06	5.67693	0.667115	0.582935	0.898566	0.635873	1.164793	1.123626	0.269385	0.726566	0.833554	8.314419	8.30932	8.302704	8.857368	8.807468	8.802058	8.946093	8.969737	8.936199
GPBP1	ENSG00000062194	-0.02463	6.60864	-0.7246	0.478284	0.541808	-7.53822	6.583748	6.593033	6.54806	6.689454	6.519549	6.491278	6.649872	6.674198	6.579055	6.67717	6.6305	6.655912	6.608822	6.612974	6.633531	6.710356	6.686643	6.685409
DGAT2	ENSG00000062282	-0.42889	3.038538	-2.24634	0.03787	0.057986	-4.71181	4.484137	4.440906	4.314076	3.392671	3.630051	3.445903	3.370387	3.250449	3.4839	2.693825	2.674414	2.522234	2.911671	2.756951	2.906973	2.568742	2.465551	2.760563
ZNF112	ENSG00000062370	0.554047	2.432558	5.111445	7.98E-05	0.000243	1.276993	1.719036	2.179863	1.921989	2.181668	2.117603	2.429135	1.648695	1.988058	2.560038	2.918737	3.21391	3.187996	3.652319	3.583837	3.707028	3.236813	3.287607	3.375875
CS	ENSG00000062485	-0.21812	7.700314	-7.53142	6.90E-07	4.00E-06	5.419639	8.158305	8.191549	8.142166	7.972479	7.898355	7.913386	7.910197	7.956406	7.941751	7.556007	7.502551	7.523929	7.287114	7.346825	7.356089	7.391022	7.315101	7.374668
ELMO2	ENSG00000062598	0.026853	5.481701	0.575268	0.572443	0.631451	-7.49237	5.663084	5.694843	5.799175	5.772136	5.634408	5.778475	5.461262	5.281075	5.396113	5.575711	5.471785	5.445288	5.533393	5.495702	5.574382	5.327829	5.135275	5.230349
WAPL	ENSG00000062650	-0.05194	6.36216	-1.15871	0.262163	0.321951	-7.08271	6.750589	6.734449	6.695428	6.6194	6.584058	6.687786	6.623754	6.742773	6.651711	5.984048	6.089154	6.025264	6.061972	6.016865	5.996216	6.273444	6.16345	6.151152
VMP1	ENSG00000062716	0.451741	7.665758	12.25984	5.15E-10	1.11E-08	12.87471	7.062519	7.012854	6.996669	7.54667	7.552846	7.56433	7.230905	7.194975	7.23377	7.935946	7.980852	7.886007	8.29275	8.334562	8.330177	7.898578	7.99486	8.072683
APPBP2	ENSG00000062725	0.196021	5.801409	3.43748	0.00304	0.006096	-2.95594	5.786261	5.727328	5.607923	5.863665	5.593209	5.702775	5.69064	5.856983	5.741885	5.747627	5.766859	5.775677	6.059811	6.096633	6.114114	5.935182	5.901444	5.936917
POLD1	ENSG00000062822	-1.06958	5.208065	-12.478	3.90E-10	8.89E-09	13.38738	5.334855	5.221361	5.353819	4.640378	4.70778	4.30129	5.183289	5.03875	5.07736	5.823198	6.013056	6.132075	4.917376	4.743056	4.739314	5.811323	5.861261	5.607985
EIF4B	ENSG00000063046	-0.16872	9.204093	-3.02713	0.007425	0.013544	-4.11192	9.767975	9.792012	9.738759	9.405809	9.375699	9.379985	9.345178	9.426168	9.349459	8.989276	8.96181	8.958922	9.005595	9.017998	8.999003	8.731106	8.724185	8.751567
BICRA	ENSG00000063169	0.296712	3.330436	3.317798	0.00395	0.007701	-2.72398	2.949211	3.298545	3.576275	3.647423	3.6964	3.620621	3.296733	3.250449	3.289427	3.463254	3.547323	3.608031	3.850304	3.752319	3.608189	3.43152	3.431768	3.202807
SPHK2	ENSG00000063176	0.216208	4.520536	1.725694	0.102037	0.140322	-6.01874	4.762983	4.984658	4.950366	4.701197	4.607895	4.616245	4.7858	4.547856	4.795267	4.187508	4.122698	4.415294	4.902986	4.794321	4.785281	4.240529	4.195062	4.143528
RPL18	ENSG00000063177	-0.17109	9.094294	-5.07852	8.56E-05	0.000257	0.36115	9.288915	9.255637	9.30744	9.026614	9.102925	8.962105	9.122803	9.097576	9.155779	9.126369	9.073257	9.099462	8.989653	9.013318	9.014076	8.992458	9.070103	9.048029
CA11	ENSG00000063180	0.891681	3.99404	5.517721	3.41E-05	0.000115	1.824031	3.662849	3.439663	3.638424	4.342447	4.726954	4.668345	2.724622	2.801791	2.981126	4.026306	4.214605	4.116262	4.848959	4.994639	4.866948	4.616418	4.563921	4.525965
ISOC2	ENSG00000063241	0.292458	5.634447	5.519714	3.40E-05	0.000115	1.592338	5.460225	5.569905	5.472309	5.704425	5.74826	5.637476	5.296262	5.447033	5.455304	5.606458	5.542561	5.770599	6.039124	5.968584	5.985004	5.844414	5.740928	5.671054

U2AF2	ENSG00000063244	-0.10887	7.93185	-3.13374	0.005896	0.011025	-3.81523	7.646674	7.622461	7.659472	7.550348	7.712864	7.54588	7.837389	7.812463	7.8403	8.205035	8.188962	8.240934	8.090928	8.029039	8.018625	8.328294	8.296469	8.258696
EPN1	ENSG00000063245	0.246075	7.36432	3.343136	0.003737	0.007321	-3.33986	6.675605	6.811142	6.903777	6.847279	7.138775	6.866915	6.805684	6.632777	6.743221	7.570213	7.772618	7.992075	8.104879	8.119925	8.057276	7.988457	7.99486	7.707074
MED29	ENSG00000063322	0.310474	6.637597	8.913458	6.48E-08	5.50E-07	7.941009	6.343004	6.282324	6.333137	6.686114	6.672424	6.577063	6.568102	6.476718	6.603683	6.722612	6.641871	6.61116	6.951796	6.956879	6.941855	6.759288	6.815783	6.803789
AHRR	ENSG00000063438	1.616219	2.871682	4.444649	0.000334	0.000858	-0.15867	3.128595	3.260998	3.06005	3.083078	2.948483	3.069023	2.806512	2.938616	3.143496	2.14259	2.193623	2.213454	4.813494	4.501207	4.569568	2.719047	2.518186	2.464474
ZNF275	ENSG00000063587	0.034818	4.909073	0.388759	0.70215	0.749567	-7.35904	5.565217	5.533626	5.522611	5.684481	5.741991	5.951983	6.028748	6.092752	6.02321	4.161861	4.10258	4.194187	3.819988	3.846002	3.933868	4.481413	4.333674	4.394143
MTMR1	ENSG00000063601	0.097182	5.98203	2.21396	0.040389	0.061362	-5.4665	5.611213	5.523092	5.661287	5.687824	5.620805	5.640377	5.940817	5.842522	5.897954	6.174355	6.260093	6.185519	6.345276	6.270837	6.367159	6.404287	6.293708	6.380373
GPC1	ENSG00000063660	0.833149	6.878975	2.220416	0.039875	0.060671	-5.48657	7.859072	7.962195	8.063177	7.483628	7.712063	7.411371	8.13288	8.004615	8.074156	4.637991	4.848932	5.000938	7.30501	7.18209	7.238273	5.886907	5.744615	5.610463
ADCK1	ENSG00000063761	0.586383	3.070648	4.641228	0.000218	0.000589	0.308357	3.325391	3.7953	3.544167	3.999198	3.923901	3.858473	3.690999	3.749274	4.132351	2.444376	2.575707	2.369387	3.100071	3.032175	3.299771	2.554269	2.618024	2.570068
HAGH	ENSG00000063854	-0.38821	5.021529	-6.0469	1.16E-05	4.52E-05	2.869894	6.016387	5.932317	5.929176	5.540275	5.821441	5.572123	5.665257	5.774066	5.751363	4.630531	4.532919	4.708717	4.279599	4.10073	4.12984	4.454386	4.227036	4.249053
RNF4	ENSG00000063978	-0.39943	7.53929	-8.74481	8.53E-08	6.92E-07	7.596586	8.10572	8.094381	8.059869	7.639375	7.618485	7.560506	7.669732	7.668214	7.770546	7.476576	7.386188	7.446835	7.172811	7.084554	7.104155	7.34919	7.341508	7.306021
CASP8	ENSG00000064012	-0.18632	5.911377	-4.75127	0.000172	0.000478	-0.07684	5.977894	6.004148	5.972044	5.915919	5.882565	5.778475	5.982519	6.175851	6.109268	5.949988	5.966507	5.913369	5.72145	5.690495	5.73358	5.979187	6.030859	6.065267
LIMCH1	ENSG00000064042	0.624187	8.22229	4.379779	0.000385	0.000972	-1.06322	9.2281	9.278718	9.273978	9.597756	9.635133	9.59807	9.814047	9.782674	9.75797	6.491976	6.732209	6.510425	7.533543	7.554369	7.536346	6.615079	6.616959	6.580647
INTS13	ENSG00000064102	-0.2491	5.718344	-4.10042	0.000709	0.001668	-1.51115	5.770583	5.675946	5.560557	5.1079	5.1432	5.2875	5.310366	5.268148	5.367637	6.180754	6.154125	6.194078	6.130482	6.021175	6.088153	6.008681	6.079832	6.104461
TM7SF3	ENSG00000064115	0.368534	7.207944	5.619187	2.77E-05	9.57E-05	1.646344	7.233196	7.302656	7.25652	7.823901	7.74143	7.83704	7.233375	7.19725	7.185644	6.910671	6.917073	6.906804	7.068145	7.113773	7.178012	7.017822	6.995145	7.009252
DLX3	ENSG00000064195	0.366054	0.128247	2.885665	0.01006	0.017753	-3.64661	0.106501	0.106501	0.106501	0.106501	0.106501	0.3528	0.106501	0.253663	0.106501	4.109157	4.10258	4.205521	4.407437	4.509412	4.411058	4.137495	3.876817	3.716682
SPA17	ENSG00000064199	0.591285	3.523469	6.819993	2.57E-06	1.23E-05	4.589117	2.798329	3.100202	2.883112	3.290819	3.151334	3.405543	3.33403	3.506713	3.421943	3.737768	3.890158	3.834184	4.393779	4.367677	4.562043	4.052512	3.948889	4.122853
CCN5	ENSG00000064205	0.695595	3.202263	3.591368	0.002169	0.004521	-1.76093	6.516856	6.576571	6.622985	7.133786	7.311714	7.116522	5.077304	5.160337	5.22526	1.116489	1.335727	0.993481	1.99126	2.148862	2.23906	0.457048	0.433238	0.497646
ATP2C2	ENSG00000064270	-1.06253	0.907257	-7.20293	1.26E-06	6.66E-06	5.196071	0.106501	0.215206	0.106501	0.106501	0.25478	0.563119	0.269385	0.106501	0.106501	5.621589	5.561109	5.645805	4.502766	4.525683	4.448272	5.544687	5.519992	5.713156
CDON	ENSG00000064309	0.536962	-0.30678	1.168111	0.258449	0.317939	-5.5885	3.65311	3.370829	3.586821	4.281793	4.204846	4.018682	2.957542	2.753138	3.00245	0.190076	0.106501	0.16959	0.106501	0.190544	0.106501	0.183756	0.358227	0.106501
TAF2	ENSG00000064313	0.390134	6.076373	5.733305	2.19E-05	7.81E-05	1.989233	5.367978	5.438728	5.267957	5.918767	5.899563	6.117296	6.059692	6.037958	6.041352	6.278265	6.279264	6.175948	6.467659	6.479431	6.441838	6.456784	6.540561	6.516048
HIPK2	ENSG00000064393	0.351731	7.712539	2.616108	0.017785	0.029478	-4.83799	7.664962	7.736857	7.797526	8.534176	8.573631	8.689458	8.324585	8.350592	8.302993	7.213101	7.3815	7.123949	7.056815	6.993898	7.104802	7.405709	7.346975	7.362227
TNPO3	ENSG00000064419	0.110536	6.982339	3.481191	0.002763	0.005598	-2.98339	7.015784	6.997716	6.942271	7.137458	7.069115	7.170709	7.255413	7.24091	7.171593	6.788619	6.759769	6.783027	6.894152	6.848675	6.830385	7.041365	6.955933	6.992255
RFXANK	ENSG00000064490	0.24771	5.147004	3.830903	0.001281	0.002813	-1.97124	5.310279	5.303682	5.303557	5.388282	5.3593	5.280077	5.392213	5.450851	5.37991	4.748949	4.784095	4.876465	5.174616	5.22881	5.260115	5.177758	5.057388	4.926702
TMEM161/	ENSG00000064545	-0.52927	4.876924	-6.39739	5.80E-06	2.47E-05	3.579921	5.722499	5.493717	5.618241	4.857809	4.950037	4.793524	5.383345	5.368459	5.404147	4.663802	4.706242	4.840568	4.534231	4.425185	4.385705	4.54135	4.625193	4.411295
LPAR2	ENSG00000064547	0.083114	2.876679	0.4589	0.651961	0.703103	-7.05754	2.9807	3.012542	3.270929	2.48816	1.666451	2.675323	2.26554	2.623806	2.274723	3.294134	3.381904	3.526028	3.840269	3.813238	3.837423	3.595997	3.595851	3.432977
CTSA	ENSG00000064601	0.632241	8.4069	12.65151	3.13E-10	7.57E-09	13.36558	8.756882	8.74289	8.774847	9.32706	9.411691	9.316552	8.454098	8.324293	8.440685	7.80372	7.707924	7.798899	8.436438	8.446156	8.438942	7.781135	7.739446	7.707653
SUGP2	ENSG00000064607	-0.30083	6.178064	-7.98792	3.07E-07	2.02E-06	6.408125	6.856229	6.827288	6.844589	6.532815	6.442385	6.574031	6.651719	6.682341	6.661798	5.823198	5.911195	5.824276	5.638468	5.499826	5.61313	5.682493	5.750126	5.780706
SLC12A2	ENSG00000064651	0.804729	7.051832	2.637995	0.01699	0.028316	-4.72877	6.341489	6.410744	6.438788	8.16109	8.023167	8.226925	8.284065	8.270751	8.316359	6.703185	6.870988	6.679134	6.543063	6.518574	6.483265	6.253425	6.304986	6.336153
SNX24	ENSG00000064652	0.251881	3.830508	3.595814	0.002148	0.004482	-2.18339	4.073915	3.983805	3.96379	4.052041	4.213935	4.062605	4.101117	4.212157	4.235006	3.544892	3.431133	3.573456	3.928165	3.731427	3.904416	3.830273	4.011424	3.945834
CNN2	ENSG00000064666	0.052795	7.514475	0.769682	0.451766	0.515875	-7.60501	6.959605	6.884992	6.962658	6.862152	6.942245	6.855724	6.655407	6.609051	6.817288	8.122347	8.00205	8.099003	8.230245	8.166716	8.211036	8.318157	8.329673	8.395344
ABCA7	ENSG00000064687	0.989682	5.232865	5.833818	1.78E-05	6.54E-05	2.394929	5.509634	5.460976	5.653783	7.040106	7.082823	6.937025	5.910274	5.78015	5.909288	4.337085	4.529155	4.497508	4.690417	4.645922	4.725907	4.203908	4.273707	3.87342
SNCAIP	ENSG00000064692	0.818555	-0.93892	3.729943	0.0016	0.003439	-1.40024	0.318509	0.106501	0.106501	0.106501	0.106501	0.3528	0.106501	0.106501	0.106501	1.964162	2.115463	1.585733	2.542344	2.596763	2.544166	2.154563	2.315011	2.302316
DDX20	ENSG00000064703	-0.29384	5.016004	-4.98408	0.000105	0.000308	0.563858	5.030813	5.081176	5.05661	4.910272	4.641964	4.610338	5.198536	5.164994	5.082376	5.208286	5.231258	5.276432	4.86637	5.123169	4.99542	5.304237	5.193075	5.137206
BTBD1	ENSG00000064726	0.006242	6.611442	0.18091	0.85852	0.883199	-7.80773	6.448119	6.36133	6.34561	6.418735	6.366983	6.365418	6.257073	6.221272	6.233947	6.972464	6.927833	6.902168	6.875234	6.991704	6.976941	6.876634	6.918892	6.82421
BCAS1	ENSG00000064787	0.09079	1.469471	0.74829	0.464236	0.527787	-7.09006	1.010037	0.661886	0.679585	0.742604	0.25478	0.746642	0.415731	0.106501	0.629397	4.685565	4.77459	4.791271	4.838914	4.941053	4.869998	3.588914	3.32748	3.509302
CHI3L2	ENSG00000064886	0.786962	0.98594	4.06493	0.000766	0.001787	-0.49758	2.798329	2.91921	3.090013	3.791129	3.747367	3.75519	3.004565	3.122225	2.748518	0.609835	0.695454	0.594297	0.745413	0.7293	0.593579	0.63264	0.358227	0.580851
SBNO2	ENSG00000064932	-0.32145	6.894073	-3.32788	0.003864	0.007555	-3.30062	7.528465	7.515582	7.714606	6.904436	7.047672	6.870626	7.265101	7.040099	7.229256	6.451268	6.566763	6.72054	6.625717	6.579268	6.541823	6.663925	6.581329	6.479923
PMS1	ENSG00000064933	-0.35719	4.496497	-5.94953	1.41E-05	5.37E-05	2.679477	4.693417	4.604738	4.600923	4.464421	4.343809	4.616245	4.235306	4.273815	4.364168	4.936085	4.939615	4.996595	4.427684	4.505315	4.569568	4.473742	4.572242	4.494122
HMG20B	ENSG00000064961	0.313911	6.693087	4.316575	0.000442	0.001098	-1.06482	7.725463	7.77842	7.830624	7.90729	8.032187	7.838935	7.821063	7.635873	7.77752	5.314527	5.344801	5.468994	5.914344	5.961126	5.863232	5.60737	5.641622	5.356727
TAF11	ENSG00000064995	-0.27975	5.242168	-5.08827	8.38E-05	0.000253	0.712848	5.403266	5.291319	5.344527	4.898777	4.795153	5.010886	4.629578	4.802174	4.849226	5.76817	5.698134	5.809496	5.601813	5.57015	5.594809	5.375946	5.23036	5.406045
ANKS1A	ENSG00000064999	0.587908	5.441444	14.34439	4.19E-11	1.72E-09	15.62044	4.484137	4.446492	4.641955	5.041505	5.171467	5.167927	4.792514	4.77806	4.764393	5.857155	5.941242	5.881925	6.470914	6.36879	6.518684	6.144111	6.054811	6.106218
AP3D1	ENSG00000065000	0.291372	7.590017	6.006803	1.26E-05	4.85E-05	2.426714	7.479019	7.491467	7.498442	7.939902	7.957045	7.949511	7.787846	7.686143	7.752567	7.393066	7.372602	7.3813	7.573466	7.524824	7.446735	7.516249	7.51503	7.495525
ZNF76	ENSG00000065029	-0.09493	5.055024	-1.73379	0.100558	0.138581	-6.11398	5.2241	5.134056	5.274496	4.921675	5.14795	5.187896	5.238424	5.21525	5.278673	5.063439	5.069663	5.145251	5.083973	5.006281	4.961501	4.953468	4.894388	4.988957
SLC9A3R2	ENSG00000065054	-0.0106	5.771485	-0.15653	0.877407	0.899835	-7.75935	4.296689	4.184325	4.288462	4.400654	4.43213	4.434292	4.000319	4.070428	4.216877	7.247037	7.270358	7.49343	7.333905	7.29852	7.216269	7.5097	7.574232	7.419154
NTHL1	ENSG00000065057	-0.21397	4.805993	-2.84358	0.011005	0.019214	-4.0932	4.721647	4.474101	4.400306	4.122913	4.327153	4.162865	4.205428	3.988732	3.935772	5.489676	5.54629	5.506132	5.368624	5.379652	5.354615	5.503845	5.647541	5.406045
UHRF1BP1	ENSG00000065060	-0.22431	5.037024	-1.7243	0.102294	0.14064	-6.09542	5.757007	5.831327	5.776322	5.147291	5.257491	5.155812	5.683433	5.575011	5.455304	4.696324	4.836805	4.518865	4.888451	4.682664	4.95577	4.254026	4.432969	4.617485
GNAI3	ENSG00000065135	0.225115	6.674513	5.612849	2.80E-05	9.68E-05	1.659641	6.079556	6.002253	6.005837	6.059623	6.130685	6.111035	6.172091	6.194191	6.126365	7.094069	7.109552	7.1309	7.439046	7.441519	7.412099	7.29853	7.326829	7.290655
IPO5	ENSG00000065150	-0.72075	7.635037	-20.4668	1.18E-13	2.40E-11	21.5377	8.053462	8.115573	8.050852	7.442657	7.373854	7.441625	7.945268	7.966445	7.871057	7.786201	7.763837	7.77469	7.00217	6.944073	7.055411	7.650729	7.645959	7.686088
OAT	ENSG00000065154	0.034585	7.528502	0.438632	0.666302	0.716159	-7.8143	6.685193	6.649821	6.530413	6.985458	7.011642	7.013987	6.878492	6.890672	6.796075	8.459107	8.383103	8.374962	8.215764	8.145815	8.223314	8.162854	8.138024	8.131652
WDR3	ENSG00000065183	-0.02567	7.262664	-0.6104	0.549455	0.609351	-7.69655	6.551345	6.60182	6.54671	6.615894	6.592794	6.602578	6.721988	6.712874	6.653397	8.009686	8.000352	7.963988	7.906667	7.85727	7.995067	7.877296	7.81546	7.894585
PKN2	ENSG00000065243	-0.23871	5.81649	-6.24239	7.87E-06	3.23E-05	3.073559	6.016387	6.03228	5.974054	5.800209	5.760718	5.835287	5.69423	5.646681	5.680369	6.059601	5.985857	6.011339	5.685468	5.816527	5.80226	5.77121	5.811165	5.78729
WDR18	ENSG00000065268	-0.30813	5.447091	-3.98733	0.000908	0.002082	-1.67718	5.770583	5.848305	5.882858	5.277258	5.543607	5.30954	5.719113	5.567996	5.677057	5.230663	5.393221	5.473689	5.215949	5.198683	5.195925	5.619586	5.53284	5.207621
TRAM2	ENSG00000065308	0.148443	6.449077	2.566555	0.019719	0.032369	-4.84022	6.662315	6.642539	6.628099	6.645426	6.541374	6.711432	6.538451	6.41355	6.61584	6.195997	6.22097	6.124133	6.52046	6.407719	6.465224	6.390095	6.275986	6.391939
NTN1	ENSG00000065320	0.884512	3.452914	11.87253	8.53E-10	1.68E-08	12.63282	1.681202	1.508929	2.018628	2.661411	2.660129	2.697781	1.648695	1.605065	1.445026	4.998272	5.035583	5.141322	5.935709	5.799899	5.921732	5.26478	5.353756	5.323893
GLP2R	ENSG00000065325	-0.11029	5.631502	-0.68544	0.502059	0.564123	-7.33339	6.996658	6.87156	6.892132	6.759444	6.623812	6.689188	6.984915	7.008061	7.055249	4.748949	4.719513	4.673781	4.766576	4.853528	4.772296	3.877544	3.842828	3.999746
MCM10	ENSG00000065328	-2.46987	4.577229	-9.58463	2.23E-08	2.28E-07	9.417431	5.294704	5.161486	5.108765	4.020568	4.009905	4.027574	4.968851	4.944392	5.057123	5.766469	5.624209	5.698897	2.42639	2.729118	2.689384	5.498185	5.498321	5.420236
DGKA	ENSG00000065357	0.169127	3.877138	0.967998	0.34625	0.410491	-6.94131	4.252223	4.293732	3.854572	3.359513	3.31232	3.247073	2.933443	3.196885	3.104585	4.327889	4.296585	4.104202	4.745223	4.827513	4.869998	4.271827	4.343431	4.382594
ERBB3	ENSG00000065361	0.15166	4.46721	2.418972	0.026727	0.042462	-5.0504	2.296082	1.780637	2.221741	1.519216	2.03796	2.288255	2.144798	2.220554	2.127218	7.213725	7.365233	7.187725	7.407961	7.472801	7.406857	7.185682	7.19428	7.142752
ANKRD44	ENSG00000065413	1.546297	2.595708	5.006946	9.96E-05	0.000295	1.304538	3.895419	3.812706	3.801232	5.608898	5.582723	5.724812	4.544628	4.497055	4.585199	1.555182	1.699433	1.061592	1.308151	1.393161	1.08859	1.354562	1.547811	1.222783
KARS1	ENSG00000065427	-0.0728	8.050976	-2.00158	0.061102	0.089049	-6.04005	7.599279	7.627387	7.60863	7.37479	7.422688	7.463907	7.722545	7.677207	7.645661	8.532242	8.470323	8.485825	8.491175	8.511694	8.541514	8.634443	8.600218	8.614817
ADAT1	ENSG00000065457	-0.12509	5.36534	-2.73093	0.013975	0.023806	-4.40714	5.067938	4.933864	5.010354	4.740363	4.776871	4.803913	4.832157	4.825892	4.88411	6.007276	6.034453	6.093958	6.03363	5.936997	5.949395	5.736375	5.830372	5.765225
PDIA5	ENSG00000065485	-0.71659	4.32763	-4.85853	0.000137	0.000389	0.452122	5.278958	5.231103	5.319453	4.342447	4.43213	4.233737	4.13321	4.184903	4.364168	4.261822	4.378346	4.310722	3.845296	3.793216	3.985412	4.386563	4.353122	4.422617
TBC1D22B	ENSG00000065491	-0.04962	4.389469	-0.56616	0.578483	0.636586	-7.31231	4.199669	4.281283	4.351665	4.009923	3.759832	4.027574	4.411387	4.019913	4.41276	4.742042	4.712893	4.859824	4.888451	4.850301	4.87608	4.697684	4.617172	4.577525
NDUFB4	ENSG00000065518	-0.07342	6.40577	-2.00656	0.060523	0.088295	-5.85624	6.838076	6.914513	6.773667	6.745073	6.760349	6.798429	6.783948	6.781193	6.82479	6.087114	5.987229	6.139972	5.96602	6.064975	5.979365	6.054394	6.059258	6.072473
SPEN	ENSG00000065526	-0.30258	7.1527	-6.08172	1.08E-05	4.25E-05	2.608521	7.162874	7.138952	7.249899	6.672679	6.873648	6.88904	7.205974	7.121412	7.090526	7.457202	7.459204	7.266495	7.197096	7.063115	7.178627	7.265592	7.297014	7.348936
MYLK	ENSG00000065534	0.352599	3.108863	1.53785	0.141992	0.187519	-6.14192	1.959273	2.356396	2.018628	3.619685	3.820593	3.954853	1.762502	2.069791	1.620777	4.114515	4.152359	4.231625	4.046359	4.11155	4.114488	3.912008	3.980496	3.969186
ZC3H15	ENSG00000065548	-0.25636	7.279412	-5.57181	3.05E-05	0.000104	1.541156	7.483835	7.552959	7.491443	7.091498	7.065354	7.141312	7.415127	7.459467	7.41664	7.285547	7.260745	7.246059	7.103185	7.171141	7.166272	7.226761	7.291355	7.334023
MAP2K4	ENSG00000065559	0.09206	5.929509	2.42557	0.026369	0.041992	-5.02386	6.129578	6.117033	6.135406	6.220625	6.133083	6.217839	6.378072	6.515521	6.429644	5.57959	5.531317	5.498474	5.613644	5.631577	5.703115	5.789862	5.766537	5.789478
PACC1	ENSG00000065600	0.414173	4.075981	4.090999	0.000724	0.001699	-1.07757	4.245758	4.418344	4.363979	4.63346	4.694855	4.651187	5.35187	5.484771	5.342774	3.17611	3.313538	3.117748	3.691919	3.544454	3.707028	3.806044	3.822043	3.753014
SLK	ENSG00000065613	0.011069	6.499663	0.139242	0.89085	0.910606	-7.7582	6.97825	6.916527	6.894257	7.192629	7.210911	7.237379	7.073036	7.041366	7.012534	6.115449	6.133205	6.02633	5.715972	5.876434	5.840085	5.984595	6.07105	5.993056
CYB5R4	ENSG00000065615	-0.34069	5.361676	-4.92223	0.000119	0.000346	0.387576	5.722499	5.76358	5.676178	5.26388	5.270617	5.127141	5.712047	5.75257	5.745052	5.309864	5.316696	5.408164	5.144351	5.238714	5.076884	5.139487	5.219805	5.277879
COL17A1	ENSG00000065618	-0.50186	1.750384	-2.31236	0.033178	0.051526	-4.78764	1.681202	1.465573	1.921989	0.635873	0.512209	0.461789	0.415731	0.253663	0.629397	4.098381	4.092415	4.147939	3.646572	3.993677	3.760608	4.584723	4.73304	4.656368
GSTO2	ENSG00000065621	-0.42019	3.838642	-5.62163	2.75E-05	9.52E-05	2.170969	4.405107	4.377991	4.382257	3.875646	3.734793	3.744443	3.953155	3.978187	3.879258	3.991785	3.936355	3.93295	3.617489	3.772912	3.78667	3.756329	3.923096	3.881648
SEC61A2	ENSG00000065665	-0.41804	2.732732	-3.30433	0.004068	0.007911	-2.56222	3.236881	3.260998	3.359697	3.103249	3.093416	3.200652	2.576877	3.063581	2.77354	3.002038	3.15652	2.920951	2.479079	2.433888	2.633039	2.878584	2.770449	3.079476
PRKCQ	ENSG00000065675	-0.18666	-1.55596	-0.82317	0.421504	0.486584	-5.84579	2.27083	2.49222	2.579475	2.181668	2.633282	1.993763	2.058296	2.108984	2.047395	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TLE2	ENSG00000065717	2.113397	1.568539	12.75355	2.76E-10	6.85E-09	13.539	1.927307	1.508929	2.138168	3.77864	3.517104	3.510758	2.545421	2.540248	2.530983	0.934589	1.029669	0.846782	2.357702	2.326537	2.058312	1.571317	1.547811	1.058313
ASB1	ENSG00000065802	-0.07413	5.945454	-1.15042	0.265469	0.325281	-7.03383	6.088617	6.068955	6.113692	5.797117	5.905185	5.99342	6.325801	6.463548	6.519286	5.790099	5.724702	5.680063	5.78822	5.71376	5.751886	5.923967	5.797034	6.011919
FAM107B	ENSG00000065809	0.076281	6.9881	0.404061	0.691069	0.738845	-7.72095	7.414188	7.429355	7.423938	8.273835	8.085773	8.204555	7.836577	7.827227	7.762756	6.548489	6.47193	6.535341	5.784299	5.793194	5.787815	6.20676	6.319888	6.331655
ME1	ENSG00000065833	0.12373	6.791084	1.878735	0.077064	0.109434	-6.09896	7.090752	7.104034	7.012401	7.376862	7.38194	7.399432	7.607315	7.682088	7.53569	6.234645	6.183153	6.268014	6.140739	6.102069	6.180736	6.485674	6.329738	6.386167
TBC1D1	ENSG00000065882	0.506585	5.879341	6.008753	1.25E-05	4.83E-05	2.582621	5.784032	5.844079	5.914599	6.041444	6.023629	5.951983	5.661594	5.81612	5.767022	5.710958	5.608245	5.714848	6.448795	6.44027	6.436704	5.705599	5.775573	5.642288
CDK13	ENSG00000065883	0.420783	5.938366	10.28881	7.73E-09	9.60E-08	10.23656	5.86008	5.865087	5.86564	6.305774	6.285268	6.340657	6.332727	6.214549	6.381626	5.404758	5.538823	5.507659	5.824304	5.900029	5.884506	6.011333	5.950148	5.861964
MTHFD2	ENSG00000065911	-1.15313	8.321151	-11.7149	1.05E-09	1.98E-08	12.1319	9.285176	9.272835	9.205915	8.002324	7.954336	7.992721	9.307586	9.341027	9.349719	8.323991	8.238778	8.300503	7.265716	7.277656	7.242398	7.809215	7.822017	7.884385
SLC9A7	ENSG00000065923	-0.13258	4.939843	-2.55659	0.020132	0.032977	-4.6863	4.428132	4.262405	4.16017	4.152252	4.318753	4.256608	4.393833	4.332946	4.490278	5.747627	5.778001	5.627664	5.513008	5.576021	5.563117	5.839946	5.641622	5.793844
FOXJ2	ENSG00000065970	0.136965	4.624224	1.793153	0.090271	0.125953	-5.97024	4.186225	4.268725	4.242513	4.502891	4.831037	4.57438	4.445869	4.238905	4.270596	4.920876	4.890593	4.95467	4.964332	4.866361	4.903135	5.039116	5.138081	5.091828
YBX1	ENSG00000065978	-0.44268	9.028961	-16.3264	5.07E-12	3.88E-10	17.61394	9.37808	9.378335	9.39105	8.989504	8.921343	8.898999	9.350876	9.295566	9.295952	9.049432	8.980706	9.060332	8.555841	8.584614	8.639288	8.924275	8.940505	8.938912
PDE4A	ENSG00000065989	0.899287	1.553692	4.460915	0.000322	0.000834	0.275686	2.649532	2.37994	2.681399	3.359513	3.734793	3.678224	3.457463	3.736817	3.655245	0.934589	0.799097	0.921995	1.018891	0.986036	0.812339	1.320757	1.442809	1.322858
PPP2R5A	ENSG00000066027	0.632563	5.44179	5.930722	1.47E-05	5.54E-05	2.547797	5.667929	5.639833	5.750758	6.727312	6.582305	6.630571	6.164346	6.065615	5.94827	4.667452	4.799799	4.745417	4.945733	4.965115	4.920894	4.739863	4.92395	4.753714
ELAVL1	ENSG00000066044	-0.26741	6.636964	-6.99008	1.87E-06	9.37E-06	4.475628	6.825124	6.954266	6.884673	6.603556	6.606662	6.513603	6.820543	6.756723	6.830763	6.568148	6.566763	6.668935	6.380325	6.390053	6.381125	6.693945	6.628976	6.661715
DIP2B	ENSG00000066084	-0.39339	6.582282	-6.14157	9.61E-06	3.83E-05	2.787622	6.956639	7.055514	7.089513	6.487492	6.442385	6.623257	6.660922	6.60563	6.435535	6.633985	6.729752	6.508139	6.297483	6.359742	6.381125	6.566325	6.462131	6.467678
SMARCD1	ENSG00000066117	0.79713	6.589587	14.67597	2.89E-11	1.31E-09	15.94199	6.001113	5.99083	6.025351	6.715895	6.698559	6.727893	7.012497	6.930873	6.949428	6.134034	6.090431	6.145868	6.958769	6.928095	7.035851	6.862752	6.843549	6.849598
KDM4A	ENSG00000066135	0.081764	5.890691	0.515896	0.612392	0.668171	-7.58513	6.216459	6.000355	6.110041	5.499001	5.543607	5.541409	6.008705	6.152593	6.028417	5.771565	5.698134	5.737147	6.295648	6.304233	6.374696	5.768078	5.735381	5.703906
NFYC	ENSG00000066136	-0.37114	5.851694	-6.47316	5.01E-06	2.18E-05	3.545753	6.122537	6.137897	6.269099	5.72735	5.723018	5.532066	6.042896	5.907876	5.967373	5.927333	5.9054	6.035885	5.707717	5.796551	5.64909	5.792948	5.807645	5.742817
NGEF	ENSG00000066248	0.092244	3.049727	0.511742	0.615237	0.670658	-7.1885	3.026682	2.76681	2.900124	2.103714	1.864131	2.346268	1.70672	1.760835	1.727075	4.020609	3.930661	4.03812	4.264669	4.344933	4.265755	4.700972	4.584635	4.675424
ASPM	ENSG00000066279	-0.95278	3.862475	-3.53003	0.002482	0.005092	-2.24232	4.102823	4.12286	4.050156	4.052041	4.249727	4.308605	4.779054	4.883536	4.831463	4.222665	4.228596	4.16352	2.399306	2.565626	2.18129	4.353508	4.106163	4.087723
ELOVL1	ENSG00000066322	-0.24901	6.27526	-5.26054	5.83E-05	0.000184	0.976937	6.727572	6.540462	6.581402	6.279424	6.234814	6.190386	6.424199	6.486052	6.383659	6.228481	6.271401	6.219458	6.096106	6.106132	6.134553	6.125874	6.139849	6.132312
POLR1H	ENSG00000066379	-0.28176	4.476771	-4.12598	0.00067	0.001587	-1.24861	4.088441	4.236845	4.019345	3.605613	3.410458	3.711713	4.293266	4.256466	4.279358	5.131086	5.040879	5.202938	4.936342	4.956139	4.989822	5.278052	5.198461	5.236778
ZBTB11	ENSG00000066422	-0.28172	5.632457	-5.86745	1.67E-05	6.18E-05	2.358502	6.052028	5.910253	5.957896	5.587578	5.568621	5.694423	6.011586	6.082943	5.934468	5.514206	5.479606	5.539356	5.28231	5.280064	5.350253	5.520693	5.485161	5.678157
ATXN3	ENSG00000066427	0.563965	3.714962	7.398235	8.78E-07	4.90E-06	5.573551	2.90065	3.085957	3.075109	3.162124	3.053471	2.980206	2.607661	2.938616	2.798137	4.386642	4.498689	4.488257	5.166607	5.065909	5.151487	4.595365	4.605057	4.689552
GOLGA5	ENSG00000066455	0.311562	5.966252	5.218559	6.37E-05	0.000199	0.892848	5.834455	5.727328	5.70066	6.054453	5.905185	6.117296	5.374422	5.466025	5.269907	6.201043	6.136919	6.121144	6.489493	6.485682	6.480274	6.135629	6.16345	6.168068
FGFR2	ENSG00000066468	0.00969	1.954954	0.078064	0.938664	0.949665	-7.04523	1.235614	1.670392	1.202741	1.519216	1.996426	1.840725	1.525136	1.549165	1.314712	3.488234	3.470912	3.543997	3.422776	3.329589	3.344321	2.692858	2.770449	2.706008
LRRC40	ENSG00000066557	-0.37856	4.347378	-5.3185	5.16E-05	0.000166	1.400031	4.42241	4.778666	4.691656	4.152252	4.110665	3.97338	4.245129	4.389749	4.3476	4.623032	4.665681	4.660116	4.404034	4.372183	4.456413	4.54867	4.357943	4.353311
ISOC1	ENSG00000066583	-0.51612	5.651116	-13.5356	1.07E-10	3.42E-09	14.66165	5.606174	5.687786	5.64119	5.031013	5.094821	5.171943	5.478019	5.578506	5.497217	6.114112	6.168712	6.209172	5.713225	5.653954	5.671993	5.998026	5.935709	6.011919
EML1	ENSG00000066629	1.262601	-0.25318	5.213927	6.43E-05	0.0002	1.905323	4.051848	3.991467	4.042515	5.161789	5.484749	5.302231	4.420085	4.413424	4.388669	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TRMT11	ENSG00000066651	-0.19118	4.046809	-1.88974	0.075497	0.107423	-5.5575	4.467563	4.715296	4.636889	4.325376	4.149079	4.365821	4.926746	5.063901	5.07736	3.568508	3.668598	3.658388	3.569701	3.606961	3.629946	3.756329	3.728346	3.621636
THUMPD1	ENSG00000066654	-0.6166	6.227859	-8.394	1.53E-07	1.12E-06	7.109964	7.088947	7.025039	6.977762	6.173706	6.191762	6.184435	6.332727	6.469207	6.327739	6.176918	6.185546	6.131084	5.821756	5.711984	5.808633	5.929585	5.967602	5.966227
MSANTD3	ENSG00000066697	-0.36424	5.231164	-4.73541	0.000178	0.000493	0.078442	6.27001	6.203694	6.344057	5.746715	5.766907	5.677574	6.439253	6.288964	6.340354	4.408616	4.374156	4.488257	4.362569	4.354074	4.293286	4.537676	4.512957	4.59264
KIF26A	ENSG00000066735	2.004284	0.714992	4.924037	0.000119	0.000345	1.321124	2.568952	2.71221	2.830836	4.714371	4.84865	4.604407	3.296733	3.002451	3.453254	0.34397	0.185134	0.288049	0.407676	0.26996	0.404558	0.576451	0.572487	0.659518
ATG2B	ENSG00000066739	0.65423	4.380666	6.994732	1.85E-06	9.31E-06	4.779853	3.747663	3.804029	3.678418	4.626508	4.789085	4.829562	4.111894	4.316298	4.296723	4.607916	4.641483	4.472706	4.99179	4.971068	4.94134	4.442647	4.414575	4.477932
ARFGEF1	ENSG00000066777	0.182834	7.130953	2.82506	0.011447	0.019908	-4.40814	6.412482	6.480468	6.504227	6.944119	6.768082	6.758927	6.721988	6.748989	6.746384	7.64339	7.735947	7.584144	7.675409	7.711978	7.725902	7.438588	7.440852	7.516812
ZFAT	ENSG00000066827	0.201142	3.949217	2.233366	0.038862	0.059287	-5.05623	3.672523	3.812706	3.522358	3.647423	3.441741	3.666886	4.225415	3.89093	3.867685	4.212707	4.152359	4.12026	4.595172	4.349511	4.460466	4.515433	4.372311	4.292899
MTFR1	ENSG00000066855	-0.64695	5.830338	-14.4106	3.89E-11	1.65E-09	15.68452	5.948335	6.013586	5.992018	5.218368	5.185395	5.230878	5.650549	5.789227	5.636714	6.389627	6.298184	6.358792	5.761881	5.794873	5.855558	6.104924	6.063691	6.135756
STAG3	ENSG00000066923	-1.61144	1.150728	-11.7452	1.01E-09	1.93E-08	12.53173	0.318509	0.499412	0.106501	0.258133	0.25478	0.2349	0.269385	0.509405	0.106501	5.728536	5.723056	5.603592	4.068019	4.067774	4.040604	5.146741	5.184958	5.2872
FECH	ENSG00000066926	-0.44578	5.025235	-4.85657	0.000137	0.000391	0.364523	5.83014	5.916304	5.974054	5.137544	5.199191	5.265117	5.931722	6.043026	6.004837	4.346223	4.361514	4.530928	4.275881	4.298341	4.372859	4.574001	4.656838	4.641909
MYO9A	ENSG00000066933	0.567007	5.228823	8.105073	2.51E-07	1.69E-06	6.704209	5.0569	5.127117	5.197454	5.525403	5.521816	5.822571	5.015513	4.976535	5.160337	5.018419	5.32757	4.86698	5.625379	5.655804	5.684176	5.115041	5.039493	5.102428
DDX3Y	ENSG00000067048	-0.51139	6.936769	-7.11641	1.47E-06	7.65E-06	4.721396	7.998758	8.067898	8.001455	7.375826	7.207502	7.371766	7.802888	7.825022	7.772098	6.415903	6.36937	6.342628	6.101368	6.058	6.123092	6.087439	6.100116	6.093877
PFKP	ENSG00000067057	-0.45283	7.681414	-4.21269	0.000554	0.001343	-1.4134	8.646172	8.653347	8.661873	7.847261	7.936603	7.869549	8.417645	8.326373	8.39203	6.846917	6.954735	7.03886	6.865372	6.866351	6.798718	7.476023	7.415061	7.398517
IDI1	ENSG00000067064	0.130936	5.684221	0.758422	0.458304	0.521834	-7.3281	5.940349	5.827051	5.748412	6.574952	6.47299	6.566424	6.695365	6.627726	6.711201	5.267203	5.288033	5.40489	4.698772	4.843827	4.785281	5.240125	5.132464	5.073988
SP100	ENSG00000067066	0.005889	6.019582	0.100086	0.921415	0.935537	-7.76912	5.294704	5.191734	5.27123	5.408686	5.128856	5.223158	5.131269	5.122533	5.160337	6.779372	6.752525	6.833819	6.737395	6.854323	6.824893	6.981097	7.116043	7.020473
KLF6	ENSG00000067082	0.033151	5.606587	0.350242	0.730343	0.774267	-7.66203	5.409064	5.240779	5.325763	4.797189	4.933626	4.834637	4.956946	5.002785	4.837409	6.267483	6.179557	6.249882	6.529075	6.504276	6.537992	5.998026	5.997261	5.915037
PLPP1	ENSG00000067113	1.067642	3.618096	9.925935	1.33E-08	1.50E-07	10.01071	4.059241	4.15733	4.02711	5.067404	5.138434	5.179942	3.632324	3.736817	4.08316	2.749986	2.590228	3.00983	3.611602	3.819851	3.754018	2.946659	3.022017	2.960231
NEO1	ENSG00000067141	0.395299	1.077904	1.085969	0.292244	0.353738	-5.73571	5.565217	5.512479	5.544416	5.938549	5.850871	5.968239	5.523124	5.633301	5.54523	0.269074	0.106501	0.230035	0.171976	0.416769	0.186984	0.106501	0.358227	0.106501
TRAM1	ENSG00000067167	0.77909	8.27291	6.132728	9.78E-06	3.89E-05	2.625754	7.757062	7.78615	7.813889	8.189671	8.125448	8.132713	8.210765	8.122423	8.135762	8.120018	8.112116	8.11211	9.198249	9.250683	9.262373	8.200518	8.242416	8.230387
PHKA1	ENSG00000067177	-0.35083	6.174385	-4.26158	0.000498	0.001222	-1.16527	6.909354	6.937505	6.917419	6.292659	6.298145	6.267477	6.631265	6.666008	6.519286	5.800109	5.760453	5.724072	5.735053	5.674166	5.711642	5.865084	5.876461	5.940859
TNFRSF1A	ENSG00000067182	0.369646	7.543124	3.153617	0.005647	0.010609	-3.71063	7.942398	8.047828	7.994541	8.784617	8.840394	8.743416	8.349273	8.16837	8.27862	6.807763	6.834097	6.892266	6.75018	6.74912	6.68467	6.719303	6.677029	6.680701
CACNB1	ENSG00000067191	0.982762	2.301156	7.967039	3.19E-07	2.07E-06	6.882059	1.336422	1.277811	1.406977	2.518519	2.605925	2.374422	2.26554	1.658879	1.918715	2.943032	3.086546	2.745712	3.746669	3.503965	3.600863	3.538334	3.394711	3.455199
EVI5	ENSG00000067208	0.256794	4.315413	3.876785	0.001158	0.002572	-1.69558	4.302931	4.318312	4.215584	4.562385	4.485643	4.713128	4.6145	4.664259	4.770621	4.087524	4.274276	4.09204	4.441025	4.220515	4.320301	4.249541	4.38181	4.292899
STOML1	ENSG00000067221	-0.06159	3.408282	-0.90913	0.375646	0.44032	-6.79228	3.719942	3.695626	3.638424	3.456785	3.546181	3.472196	3.457463	3.3682	3.357206	3.695491	3.539861	3.680217	3.735884	3.731427	3.533199	3.272618	3.440885	3.432977
PKM	ENSG00000067225	-0.09134	11.07855	-1.11396	0.280382	0.34123	-7.47886	11.23862	11.26395	11.23607	11.31048	11.4232	11.30172	11.22382	11.17046	11.18132	10.94507	10.91461	10.86741	10.62539	10.66049	10.63143	11.11048	11.14953	11.17252
DHX29	ENSG00000067248	-0.0661	6.037816	-1.18999	0.249964	0.308433	-6.994	6.426843	6.457138	6.448939	6.34865	6.310908	6.269353	6.526418	6.695276	6.608906	5.680576	5.610027	5.744936	5.722816	5.674166	5.643753	5.664076	5.597458	5.673426
DNTTIP2	ENSG00000067334	-0.69606	7.190909	-7.05605	1.65E-06	8.42E-06	4.547355	7.78297	7.760593	7.775799	6.633339	6.677361	6.65373	7.066126	7.105754	7.11153	7.486941	7.372077	7.408935	7.072973	7.100256	7.115124	7.149429	7.116043	7.235549
METTL22	ENSG00000067365	-0.39205	4.09319	-3.89616	0.00111	0.002479	-1.57721	4.846543	4.893538	4.892035	4.092964	4.149079	4.308605	4.673889	4.62424	4.475104	3.944434	3.958911	3.784665	3.819988	3.799921	3.849837	3.848182	3.644015	3.669942
TP53BP1	ENSG00000067369	0.457129	6.808488	9.852731	1.48E-08	1.64E-07	9.454177	6.481521	6.635221	6.538585	7.088971	7.038748	7.167696	6.659086	6.627726	6.468472	6.728739	6.792318	6.713942	7.120391	7.143072	7.09571	6.830834	6.810517	6.852741
RRP15	ENSG00000067533	-0.08511	6.347288	-1.48377	0.155679	0.203341	-6.66723	6.617945	6.644971	6.673332	6.448604	6.352653	6.470234	6.828732	6.85941	6.841156	6.05264	5.970675	6.132075	6.088708	6.062189	6.130742	6.146525	6.16345	6.102702
RHOA	ENSG00000067560	-0.05339	9.029248	-1.07363	0.297586	0.359288	-7.3997	9.46031	9.429649	9.406387	9.194667	9.239643	9.163106	9.20122	9.270397	9.220902	8.749701	8.707538	8.738676	8.814444	8.882429	8.864569	8.746506	8.741583	8.747071
DHX8	ENSG00000067596	0.375197	6.426496	6.576567	4.10E-06	1.84E-05	3.66911	5.879004	5.801125	5.783216	6.320926	6.342329	6.427202	6.247331	6.35158	6.293548	6.625566	6.625221	6.61258	6.902616	6.838942	6.850601	6.71443	6.712283	6.667675

PMS2P4	ENSG00000067601	0.009057	0.910168	0.05219	0.958969	0.966091	-6.51541	1.959273	2.152784	1.78216	1.578054	1.864131	1.993763	1.867984	1.988058	1.674905	1.490718	1.029669	1.305813	1.473091	1.393161	1.320349	1.214313	0.975239	1.170016
PRKCZ	ENSG00000067606	0.8988	4.110128	14.1306	5.34E-11	2.05E-09	15.46758	3.210562	3.057038	3.322321	3.863871	3.616407	3.982555	3.050103	3.122225	3.199964	4.660143	4.540416	4.796278	5.638468	5.564254	5.596651	4.9115	4.887736	4.780362
ZFY	ENSG00000067646	-0.29113	4.514607	-2.82854	0.011363	0.019778	-3.89546	5.288426	5.29442	5.363051	4.97738	4.782991	5.006395	5.743574	5.599299	5.62645	3.838337	4.01918	3.92383	3.730461	3.958151	3.700188	3.928936	3.743163	4.051715
IARS2	ENSG00000067704	-0.25682	8.214248	-6.97535	1.92E-06	9.60E-06	4.340408	9.068278	9.135858	9.06287	8.758224	8.762009	8.75417	8.832361	8.933626	8.840612	7.600599	7.703756	7.682054	7.453107	7.506496	7.505292	7.487018	7.409266	7.462309
SYT1	ENSG00000067715	-0.14964	5.325659	-2.14694	0.046101	0.069074	-5.54387	4.158957	4.372133	4.357835	4.392481	4.13	4.233737	4.411387	4.482206	4.542164	6.601919	6.589528	6.579568	6.348819	6.39449	6.457132	6.14773	6.210856	6.288989
NAV3	ENSG00000067798	-1.05744	0.956273	-3.36311	0.003578	0.007034	-1.98071	3.593253	3.976101	3.688245	2.791417	2.333126	2.429135	2.607661	2.108984	2.670735	0.54782	0.986408	0.76743	0.869014	1.032323	0.533283	0.738851	0.504542	0.580851
IDH3G	ENSG00000067829	0.170025	6.34225	2.501117	0.02258	0.03653	-4.93807	6.659885	6.700957	6.697862	6.789321	6.642445	6.618851	6.822184	6.779676	6.937022	5.927333	5.721408	5.874844	6.220272	6.128944	6.177046	5.979187	5.921123	5.904981
ROGDI	ENSG00000067836	0.832595	4.379898	13.20967	1.58E-10	4.58E-09	14.36507	3.662849	3.812706	3.88052	4.263984	4.621619	4.379778	3.66196	3.749274	3.82044	4.581075	4.529155	4.53991	5.466467	5.372923	5.41643	4.934035	4.76606	4.740203
PDZD4	ENSG00000067840	0.55492	-0.52937	1.15483	0.263705	0.323454	-5.59538	3.223781	3.128277	3.359697	3.633621	4.139571	3.982555	3.115825	2.981485	3.236418	0.269074	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.315289
ROCK1	ENSG00000067900	0.343305	5.790477	6.901698	2.20E-06	1.08E-05	4.396959	5.763811	5.827051	5.794633	6.062202	5.924691	6.096318	5.843949	5.913422	5.920533	5.577652	5.627733	5.454817	5.945103	5.970071	6.000398	5.582622	5.64557	5.762999
CBFB	ENSG00000067955	-0.25358	6.726981	-2.30522	0.033657	0.052192	-5.34888	7.064357	7.05734	7.044316	7.186734	7.205225	7.287287	7.266307	7.219804	7.260567	6.544525	6.552929	6.578842	5.870643	5.845981	5.926135	6.40731	6.486551	6.55
PDK3	ENSG00000067992	-0.47137	3.402215	-4.23521	0.000528	0.001288	-0.82282	2.744313	2.836538	2.681399	3.06262	2.881616	3.168853	2.858632	2.894433	2.959482	4.489195	4.547875	4.466439	3.757374	3.832986	3.886451	4.240529	4.298997	4.335451
HYAL2	ENSG00000068001	0.281874	5.623677	6.588655	4.00E-06	1.80E-05	3.769898	5.023273	5.147837	5.045184	5.396478	5.221894	5.298562	5.238424	5.07384	5.07736	6.103374	5.963722	6.047478	6.388956	6.314805	6.30653	6.081143	6.082747	5.985442
HDAC4	ENSG00000068024	0.571757	4.656354	4.56095	0.00026	0.000687	-0.12687	5.784032	5.642269	5.651273	6.34865	6.564651	6.473492	5.982519	5.916187	5.914921	3.376719	3.269103	3.346558	3.374919	3.495729	3.344321	3.66498	3.554448	3.631427
RASSF1	ENSG00000068028	-0.33735	4.771477	-4.75373	0.000171	0.000476	0.120918	5.142921	5.077581	5.11242	4.815644	4.966263	4.997371	4.889651	4.866483	4.831463	4.966032	4.719513	4.911491	4.521727	4.317159	4.448272	4.820694	4.683969	4.775955
FGFR3	ENSG00000068078	0.285982	2.887198	1.674125	0.111906	0.152131	-5.73413	3.572735	3.557914	3.522358	3.533117	3.225109	3.459109	2.779728	2.255906	2.501332	2.47802	2.969234	3.060643	3.526548	3.38415	3.253801	2.807136	2.552239	3.093712
IFI35	ENSG00000068079	-0.16911	5.73192	-1.45091	0.164517	0.213111	-6.64291	6.140075	6.017344	6.065492	5.932924	5.992279	5.847893	5.639419	5.58894	5.515873	5.554185	5.633002	5.638854	5.525587	5.410647	5.39964	5.980541	5.93732	5.861964
HEATR6	ENSG00000068097	-0.04377	5.132797	-0.7495	0.463528	0.527192	-7.33595	5.060589	4.976959	4.98267	4.740363	4.675247	4.946703	4.908318	4.657666	4.751857	5.550237	5.438064	5.44688	5.513008	5.60119	5.491637	5.52441	5.417494	5.481066
COASY	ENSG00000068120	-0.05903	7.005784	-1.46667	0.160229	0.208452	-6.77933	7.24378	7.238902	7.259818	7.206682	7.241232	7.083857	7.005289	6.924021	6.957639	6.993699	6.872473	7.028261	6.955868	6.903402	6.900683	6.874451	6.821903	6.801623
PLEKHH3	ENSG00000068137	0.401464	4.179599	2.767568	0.012933	0.022218	-3.95829	5.1077	5.208268	5.231457	5.12773	5.539998	5.135391	4.908318	4.922558	4.929347	2.918737	3.166245	3.38694	4.076593	3.946112	4.029733	3.272618	3.127424	2.975687
MEF2A	ENSG00000068305	0.168671	4.90653	3.142574	0.005784	0.010843	-3.43483	4.659767	4.783088	4.498524	4.815644	4.752128	4.869675	4.87074	4.928048	5.082376	5.035466	5.032928	4.876465	5.090337	5.104334	5.215244	5.194188	5.176796	5.220652
OTUD5	ENSG00000068308	0.188944	6.380049	2.318329	0.032781	0.050944	-5.30295	6.599047	6.559918	6.662156	6.466234	6.577031	6.504077	6.729006	6.620963	6.762098	5.955969	5.999521	6.075545	6.474974	6.453088	6.418067	6.141692	6.097236	6.070675
TFE3	ENSG00000068323	-0.14679	6.442066	-2.96481	0.008491	0.015238	-4.00378	7.169721	7.126826	7.167988	6.827712	7.070367	6.891478	7.094929	7.038831	6.988691	5.933409	5.864171	6.009185	5.955599	5.816527	5.858632	5.865084	5.816429	5.796022
TBC1D25	ENSG00000068354	0.683959	4.474601	6.551759	4.30E-06	1.91E-05	3.930026	3.85351	3.829904	3.764544	4.660937	4.621619	4.372816	4.914487	4.802174	4.801363	4.382206	4.344483	4.431472	4.982695	4.947106	5.020346	4.704254	4.769683	4.567359
ACSL4	ENSG00000068366	0.640801	7.281282	9.286533	3.56E-08	3.34E-07	8.529558	7.334929	7.304195	7.227328	7.971108	7.851807	8.020826	7.839012	7.929291	7.870332	6.575937	6.698259	6.608317	7.217591	7.206266	7.283589	6.752964	6.75403	6.800538
INPP5A	ENSG00000068383	0.276582	4.727756	3.739411	0.001567	0.003373	-2.09272	4.937612	5.022548	4.89628	4.982834	4.982309	5.046319	4.83866	5.013152	5.026224	4.359822	4.374156	4.466439	4.929259	4.704269	4.894173	4.654234	4.576385	4.4056
GPKOW	ENSG00000068394	-0.48254	5.09003	-5.89448	1.58E-05	5.89E-05	2.470282	5.598583	5.533626	5.600136	4.809518	4.733289	4.879531	5.009762	4.80814	4.934903	5.411303	5.191334	5.419564	5.07758	5.117812	5.071593	5.15875	4.987552	5.06679
GRIPAP1	ENSG00000068400	-0.09799	6.139787	-1.24924	0.228049	0.284124	-6.96904	6.474626	6.37311	6.453268	5.96359	6.11379	6.055601	6.242435	6.239047	6.09693	6.137986	6.120755	6.085804	6.305711	6.256285	6.206305	5.865084	5.950148	5.956523
FTSJ1	ENSG00000068438	-0.08969	6.613274	-1.1624	0.260699	0.320402	-7.13698	6.519538	6.480468	6.478973	6.05186	6.066908	6.079314	6.43282	6.267473	6.133632	6.91221	6.861292	6.926915	7.098456	7.006996	7.048696	6.934358	6.981932	7.038983
PRR11	ENSG00000068489	-1.34594	4.066581	-5.0367	9.35E-05	0.000279	1.02978	4.516725	4.564207	4.520694	4.218476	4.249727	4.071231	5.310366	5.575011	5.346947	4.395472	4.431731	4.398932	2.178139	2.307842	2.141451	4.406844	4.242761	4.433851
ATP11A	ENSG00000068650	-0.09474	6.272484	-1.62516	0.122023	0.164576	-6.4709	6.068608	6.180419	6.257595	6.144804	6.130685	6.188405	6.506137	6.427182	6.483715	6.421317	6.473889	6.24897	6.237578	6.270837	6.138353	6.386015	6.321123	6.365783
POLR1A	ENSG00000068654	-0.1764	7.264157	-3.54266	0.002414	0.004964	-2.88147	7.458896	7.483339	7.503321	7.264921	7.337932	7.432448	7.244436	7.162742	7.173945	7.315515	7.365233	7.236882	7.148619	7.014222	7.122177	7.235292	7.165694	7.264152
LAPTM4A	ENSG00000068697	0.508026	7.635097	6.694672	3.27E-06	1.51E-05	3.814962	7.50497	7.52749	7.522674	8.333217	8.30947	8.337429	7.782797	7.870635	7.8299	7.31784	7.347178	7.330873	7.53937	7.571613	7.52768	7.299073	7.288832	7.329519
TTC7A	ENSG00000068724	0.165398	5.887094	2.371278	0.029452	0.046255	-5.19175	5.528401	5.557053	5.631035	5.412733	5.431202	5.438487	5.026946	4.938965	5.131593	6.423477	6.317949	6.472617	6.801509	6.733445	6.704457	6.2921	6.312456	6.302841
IP6K2	ENSG00000068745	0.255362	5.930119	3.646916	0.00192	0.00406	-2.52042	6.090422	5.946183	5.994	6.092789	6.137866	5.99342	5.879071	5.954347	5.926124	5.785068	5.952525	5.819366	6.240442	6.235415	6.287262	5.57368	5.665153	5.610463
SRBD1	ENSG00000068784	-0.29872	4.304189	-6.11536	1.01E-05	4.01E-05	3.035272	4.12413	4.230384	4.080323	3.944346	3.656958	3.765857	4.011872	3.967564	4.011347	4.864753	4.936777	4.992239	4.679202	4.689902	4.67449	4.77149	4.706825	4.749225
KIF2A	ENSG00000068796	-0.1077	5.667696	-1.67037	0.112655	0.152974	-6.31124	5.539016	5.680694	5.774017	5.842822	5.684306	5.832753	5.83422	5.899518	5.88653	5.719774	5.674479	5.735845	5.414998	5.404061	5.439201	5.72834	5.748292	5.706224
PSME4	ENSG00000068878	0.212924	6.964298	3.324855	0.00389	0.007599	-3.33011	6.799969	6.851701	6.793151	7.05183	7.072867	7.200503	7.021098	7.08379	6.937022	7.034547	7.071892	6.921197	7.128144	7.139772	7.159432	6.767153	6.70284	6.835902
IFT80	ENSG00000068885	0.653384	2.851161	9.507167	2.52E-08	2.52E-07	9.407158	2.526909	2.655462	2.469799	3.21869	3.329147	3.152687	2.806512	2.728183	2.846105	2.955028	3.055486	3.001185	3.46257	3.470735	3.637126	3.181381	3.204393	3.189613
SIRT2	ENSG00000068903	0.120912	5.235437	1.598851	0.127774	0.171218	-6.30088	5.788487	5.83346	5.750758	5.924447	5.924691	5.688828	6.045709	6.017505	5.934468	4.724629	4.517806	4.649089	4.964332	4.743056	4.72927	4.530299	4.660745	4.582581
ERLEC1	ENSG00000068912	0.408832	7.397388	6.18853	8.76E-06	3.54E-05	2.820144	7.429958	7.477894	7.365421	8.110916	8.021874	8.050576	7.68244	7.805769	7.75571	6.995878	7.007758	7.056179	7.184757	7.241787	7.171845	6.953098	6.995918	7.01019
PPP2R5B	ENSG00000068971	1.390644	4.219114	9.463354	2.70E-08	2.66E-07	9.178632	3.17016	2.91921	3.24453	5.209091	4.905853	5.072334	4.205428	3.935218	3.968647	3.914031	4.092415	3.955502	4.978126	4.901075	4.95577	4.77149	4.773297	4.562249
PITX1	ENSG00000069011	0.141337	4.92815	0.956042	0.352089	0.416443	-7.0689	4.707601	4.864623	4.813395	5.020445	5.326156	5.106307	5.08826	4.938965	4.860948	4.472601	4.669105	4.98129	4.761267	4.753456	4.6463	5.694092	5.572787	5.317842
MAST4	ENSG00000069020	0.630592	3.663763	7.145533	1.40E-06	7.29E-06	5.241577	3.487617	3.182839	3.384088	4.072648	4.091068	4.10523	3.988671	3.935218	3.808383	3.463254	3.780465	3.400153	3.932895	4.005327	4.098971	3.651445	3.896833	3.744016
ADGRF5	ENSG00000069122	-0.97435	-0.28456	-6.02885	1.20E-05	4.67E-05	3.284831	0.216396	0.106501	0.323815	0.106501	0.106501	0.2349	0.269385	0.106501	0.106501	3.496465	3.478738	3.501717	2.614772	2.729118	2.416453	3.190769	3.138674	3.291935
NUP133	ENSG00000069248	-0.37611	6.113047	-8.88868	6.74E-08	5.71E-07	7.963545	6.641532	6.617999	6.622985	6.127673	6.147385	6.210048	6.190001	6.173542	6.174129	6.084386	6.177154	6.103077	5.871875	5.865289	5.768329	5.865084	5.893164	5.892821
NUCKS1	ENSG00000069275	0.048249	8.232503	0.348922	0.731316	0.775125	-7.86657	8.367442	8.378112	8.358782	8.950719	8.881614	8.886223	8.492233	8.634484	8.463449	7.976601	7.973255	7.948894	7.44692	7.578941	7.572375	8.089154	8.092466	8.18706
VPS35	ENSG00000069329	-0.08314	7.42002	-2.37303	0.029348	0.046111	-5.31283	7.474188	7.507589	7.441476	7.387182	7.457541	7.469628	7.287852	7.304545	7.236023	7.579929	7.527759	7.525814	7.382255	7.494146	7.391018	7.411743	7.409266	7.429012
DNAJA2	ENSG00000069345	-0.24478	7.254469	-5.28249	5.57E-05	0.000177	0.919727	7.432096	7.481979	7.485114	7.085173	7.070367	7.041684	7.059182	7.159246	7.158592	7.413858	7.337527	7.408526	7.269461	7.257095	7.314148	7.257798	7.278698	7.245944
BCL3	ENSG00000069399	0.040086	5.480455	0.539843	0.596117	0.653316	-7.50952	5.928287	6.050734	6.059826	6.009737	6.149755	5.781107	5.486326	5.201716	5.420081	5.283944	5.276856	5.549768	5.542705	5.449543	5.467673	4.980783	4.968764	4.661156
KCNAB2	ENSG00000069424	0.553762	5.191873	6.129125	9.85E-06	3.92E-05	3.143405	6.680407	6.642539	6.657161	7.213657	7.283933	7.12897	7.232141	7.078863	7.104152	3.411958	3.204502	3.48321	3.904282	3.806595	3.856005	3.307556	3.347011	3.466183
ABCC9	ENSG00000069431	1.76453	1.383861	4.08145	0.000739	0.001731	-0.41462	5.814934	5.91429	5.941555	7.783845	7.481258	7.839566	6.668242	6.647826	6.655081	0.190076	0.106501	0.16959	0.106501	0.106501	0.186984	0.183756	0.19538	0.214669
GAL	ENSG00000069482	-0.93931	0.218924	-3.1388	0.005832	0.010921	-2.34857	5.638616	5.765816	5.790077	4.815644	4.813207	4.622128	5.405414	5.626565	5.435842	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
CLEC2D	ENSG00000069493	0.435447	-0.02011	2.129882	0.047668	0.071197	-4.55422	0.587539	0.661886	0.512639	0.395333	0.25478	0.746642	0.269385	0.253663	0.629397	1.787595	1.922393	1.653508	2.24051	2.084417	2.465679	1.833493	1.851139	1.910335
FUNDC1	ENSG00000069509	-0.16472	4.606553	-2.97341	0.008335	0.014999	-3.72054	4.837972	4.696667	4.813395	4.605448	4.668652	4.598452	4.673889	4.80814	4.837409	4.803043	4.669105	4.771071	4.589193	4.608219	4.554478	4.46216	4.49993	4.504815
RORA	ENSG00000069667	1.541446	1.364823	3.82562	0.001296	0.002843	-0.97927	3.313074	3.494617	3.533304	5.213737	4.971631	5.167927	4.832157	4.883536	4.860948	0.54782	0.462741	0.594297	0.407676	0.550009	0.186984	0.63264	0.358227	0.497646
TGFBR3	ENSG00000069702	-1.48184	1.459815	-7.54098	6.78E-07	3.94E-06	6.235371	3.903656	3.838426	4.057757	2.633943	2.549605	2.557474	3.137083	3.160038	3.271973	1.199504	1.07167	1.305813	0.828978	0.7293	0.404558	1.214313	1.118494	1.222783
NA	ENSG00000069712	0.332674	0.957987	2.085383	0.051988	0.077084	-4.67956	1.561356	1.708084	1.453818	1.688986	1.2379	1.714252	0.782422	1.15884	0.833554	1.704765	1.8028	1.951531	2.129525	2.416542	2.121111	1.419885	1.442809	1.81044
HES2	ENSG00000069812	0.636154	-0.1885	1.154864	0.263692	0.323454	-5.65824	1.602421	1.277811	1.706811	0.934951	0.92021	0.657796	0.782422	0.824004	0.833554	0.415169	0.330605	0.34382	1.186687	1.16289	1.209118	1.099384	1.707432	1.322858
ATP1B3	ENSG00000069849	1.2188	7.173048	3.714372	0.001655	0.003545	-2.38683	7.175685	7.310335	7.276201	9.526489	9.362222	9.448009	9.38737	9.301129	9.349459	5.735507	5.696457	5.74623	5.329703	5.38635	5.301375	6.02583	6.023291	6.045263
NEDD4	ENSG00000069869	-0.5624	5.928021	-3.34149	0.003751	0.007347	-3.07544	7.792982	7.663209	7.761906	6.727312	6.679002	6.69757	7.033905	7.061485	6.870446	4.692747	4.655361	4.737631	4.943391	4.888549	4.894173	4.667743	4.79123	4.749225
PIGB	ENSG00000069943	0.511166	4.155063	6.876934	2.31E-06	1.13E-05	4.671278	4.232739	4.395423	4.131643	4.927344	4.84865	4.969954	4.666597	4.715948	4.633836	3.688323	3.626949	3.663876	4.011012	3.976023	3.892464	4.005409	3.863317	4.080593
MAPK6	ENSG00000069956	0.902384	7.14581	6.347315	6.40E-06	2.70E-05	3.180901	6.740277	6.679772	6.727949	8.217696	8.116994	8.202102	7.87978	7.907921	7.858687	6.418071	6.451198	6.394718	6.69904	6.79431	6.706165	7.015183	6.997464	7.025123
GNB5	ENSG00000069966	0.785048	5.808756	11.75287	9.99E-10	1.91E-08	12.40341	6.214805	6.26346	6.198653	7.142341	7.237894	7.16669	6.742939	6.778157	6.768335	4.623032	4.692848	4.72456	5.250459	5.231292	5.097852	4.988878	5.027439	4.988957
RAB27A	ENSG00000069974	-0.08976	4.543294	-0.49323	0.627992	0.681745	-7.44896	2.589523	2.90305	2.661582	4.181007	4.091068	4.088331	3.676552	3.833587	3.783962	5.874627	5.978976	5.802049	5.43514	5.336493	5.422676	5.882568	5.909676	5.932963
HDHD5	ENSG00000069998	-0.49837	5.471324	-4.94008	0.000115	0.000334	0.396237	5.983734	5.959918	6.056036	5.117849	5.166794	5.102104	5.444307	5.404348	5.459165	5.556156	5.452044	5.555685	5.361625	5.301484	5.337086	5.682493	5.568634	5.582975
UFD1	ENSG00000070010	0.129053	5.985375	2.094451	0.05108	0.075889	-5.65444	6.150496	5.965765	6.027288	6.331652	6.364945	6.372415	6.273964	6.223506	6.271759	5.79678	5.627733	5.900641	5.779056	5.697694	5.746917	5.88835	5.87478	5.870258
LRP6	ENSG00000070018	0.328465	5.589684	3.058398	0.00694	0.012763	-3.71903	5.089762	5.113136	5.11242	5.7563	5.557954	5.835287	5.937792	5.874148	5.99689	5.643993	5.682972	5.539356	5.625379	5.759194	5.753539	5.633422	5.59133	5.673426
PHRF1	ENSG00000070047	-0.21251	6.025541	-3.49004	0.002709	0.005506	-2.86804	6.086809	6.047062	6.244333	5.869565	5.916364	5.765245	6.148732	5.771015	6.119063	6.095267	6.082749	6.27789	5.969477	6.062189	5.970866	6.154943	6.209523	6.079643
ELP1	ENSG00000070061	-0.46686	6.58136	-11.4898	1.42E-09	2.48E-08	11.91563	6.854105	6.821926	6.767886	6.534673	6.3361	6.465334	6.746401	6.793275	6.719273	6.762407	6.794671	6.762071	6.202755	6.234178	6.257287	6.556373	6.557426	6.580647
NUCB2	ENSG00000070081	0.509074	4.741902	3.841232	0.001252	0.002755	-1.64842	6.006859	6.02856	6.044605	6.72243	6.555743	6.838142	6.753301	6.762879	6.760534	3.134522	2.900983	3.164958	2.930712	3.272884	2.76998	3.574643	3.449945	3.455199
PFN2	ENSG00000070087	0.252743	7.255017	4.422706	0.00035	0.000896	-0.94269	6.948699	6.994859	7.045272	7.514081	7.422688	7.429096	7.406399	7.401454	7.412664	7.128241	7.105135	7.089188	7.158244	7.18913	7.182313	7.474102	7.396435	7.46915
PTPN3	ENSG00000070159	0.056059	5.452733	1.412076	0.175485	0.22558	-6.69002	5.008072	5.099019	5.022058	5.067404	5.099733	5.25	4.96291	5.048863	4.978598	5.89345	5.887875	5.892483	5.963711	5.923245	5.876944	5.958727	5.929244	5.91904
SPTB	ENSG00000070182	-0.85238	1.95882	-5.72311	2.24E-05	7.94E-05	2.216265	1.286899	1.420874	1.585853	0.258133	0.389229	0.830331	0.106501	0.387194	0.256032	5.69674	5.701482	5.527363	4.96664	4.919664	4.732626	4.936827	5.033479	4.882289
DAPP1	ENSG00000070190	-0.08816	0.708162	-0.60241	0.554635	0.614425	-7.2079	0.814199	0.106501	0.219246	0.106501	0.106501	0.3528	0.106501	0.106501	0.106501	4.626786	4.699561	4.721931	4.604095	4.649638	4.617548	5.15875	5.238226	5.21089
SLC44A1	ENSG00000070214	0.230591	8.274609	1.451072	0.164472	0.213097	-6.86316	8.735409	8.768203	8.705773	9.61827	9.505815	9.550085	9.300832	9.341798	9.286748	7.584762	7.57187	7.516743	7.107898	7.108382	7.088526	7.39965	7.416217	7.442979
TMEM260	ENSG00000070269	0.776779	3.3815	8.645926	1.00E-07	7.93E-07	7.962324	3.114469	3.405656	3.371944	3.840029	4.030628	4.233737	3.66196	3.415864	3.323715	3.394446	3.086546	3.077191	3.794228	3.976023	3.805912	3.227721	3.215061	3.421736
SMG6	ENSG00000070366	-0.01769	5.181754	-0.26044	0.797572	0.831632	-7.55165	5.797357	5.790183	5.688471	5.809447	5.723018	5.596232	5.223595	5.348128	5.274297	4.896201	4.839847	4.92298	5.03202	4.797675	4.888167	4.799373	4.805418	4.797858
EXOC5	ENSG00000070367	0.080181	6.510212	1.41299	0.17522	0.225281	-6.81671	6.018285	6.030421	6.033084	6.301416	6.198646	6.111035	6.15656	6.391864	6.236199	6.923701	6.96661	6.906804	6.927119	6.959876	6.936772	6.80814	6.743936	6.835902
CLTCL1	ENSG00000070371	0.411759	0.69303	2.059837	0.054627	0.08051	-4.48315	2.245129	2.125186	1.921989	2.48816	2.460774	2.098749	2.144798	2.220554	2.047395	0.982259	0.941811	0.639567	1.054048	1.077171	1.17005	0.576451	0.69947	0.580851
FSTL3	ENSG00000070404	0.139265	5.991217	0.733572	0.472936	0.536308	-7.32122	7.59801	7.614419	7.653214	7.222904	7.420726	7.231619	7.518981	7.495962	7.577141	4.109157	4.171799	4.15575	5.166607	5.068687	5.176344	4.574001	4.641102	4.129778
DGCR2	ENSG00000070413	0.865875	6.683303	20.2129	1.45E-13	2.79E-11	21.34256	5.434871	5.452673	5.557879	6.213684	6.276619	6.186421	5.967764	5.810187	5.959217	7.067381	7.076412	7.132881	8.055314	8.00784	7.983846	7.520908	7.484493	7.421977
RNF126	ENSG00000070423	-0.53915	5.729266	-4.95025	0.000112	0.000328	0.396637	6.214805	6.277631	6.421217	5.367584	5.644527	5.441817	6.179794	6.001973	6.111723	5.458414	5.608245	5.898315	5.413307	5.343394	5.40806	5.847385	5.694037	5.311765
MNT	ENSG00000070444	0.602818	4.92577	7.41527	8.51E-07	4.78E-06	5.524624	4.888652	4.95753	4.813395	5.687824	5.647884	5.617001	5.36994	5.192623	5.363523	4.517783	4.609763	4.626781	5.045184	4.997558	4.929692	4.507942	4.40994	4.38838
ZXDC	ENSG00000070476	-0.25151	4.556285	-3.03366	0.007321	0.013379	-3.60916	4.969353	4.778666	4.76778	4.392481	4.360275	4.315882	4.487843	4.050434	4.467457	4.678347	4.948095	4.811193	4.771865	4.756906	4.649854	4.640597	4.699246	4.597643
JMJD6	ENSG00000070495	-0.23915	6.405484	-2.69356	0.01512	0.025522	-4.59025	6.150496	6.056225	5.986055	6.236693	6.133083	6.239048	6.269158	6.288964	6.218085	6.796974	6.720706	6.863935	6.275309	6.342624	6.267734	6.987844	6.870791	6.917196
POLB	ENSG00000070501	0.088649	4.342864	1.537082	0.142179	0.187696	-6.35528	3.928091	3.944869	3.792147	4.009923	3.99943	3.776446	3.440463	3.711575	3.614278	5.052315	5.014203	5.076957	5.053895	5.320261	5.108223	4.868275	4.940116	4.938581
ST6GALNA	ENSG00000070526	0.194514	2.144076	2.451582	0.025002	0.040037	-4.66423	0.587539	0.8079	1.146821	0.841981	1.373859	1.055701	0.670238	0.915275	0.735084	4.772865	4.796672	4.649089	4.92689	4.804359	4.950015	4.203908	4.391248	4.261717
WIPI1	ENSG00000070540	3.150574	3.585006	15.13187	1.76E-11	9.40E-10	16.53349	1.826927	1.226787	1.706811	5.176143	5.003429	5.135391	4.339849	4.540708	4.339245	2.527059	2.646894	2.581432	4.861416	4.888549	4.938437	4.113016	4.123255	4.044405
GBA2	ENSG00000070610	0.238566	5.967871	4.518669	0.000284	0.000744	-0.62848	5.493352	5.393175	5.431935	5.92161	5.876854	5.842864	5.570773	5.575011	5.392079	6.43637	6.401631	6.331464	6.518888	6.480475	6.469252	6.242181	6.232019	6.254557
NDST1	ENSG00000070614	0.634413	6.974539	6.283548	7.26E-06	3.01E-05	3.025712	6.48427	6.446027	6.368711	6.554953	6.642445	6.629111	6.698944	6.688823	6.658443	6.892073	6.954735	6.994356	7.921021	7.852038	7.947126	7.375155	7.326829	7.331022
ASNS	ENSG00000070669	-1.41397	7.176209	-25.5235	2.80E-15	2.49E-12	25.32482	7.939897	7.920156	7.861895	6.565896	6.422921	6.656599	8.09536	8.123619	8.08856	7.412771	7.30873	7.408526	5.927438	5.983386	5.876944	7.26892	7.232848	7.291427
AP3M2	ENSG00000070718	-0.56354	4.540115	-6.42785	5.47E-06	2.35E-05	3.608651	4.179456	4.17089	4.394314	3.944346	4.061165	4.096805	3.788265	3.978187	3.69508	5.41565	5.43203	5.489229	4.821167	4.820936	4.698713	5.306398	5.326959	5.335919
ST6GALNA	ENSG00000070731	1.469435	2.48379	8.175272	2.22E-07	1.53E-06	7.097148	2.649532	2.039077	2.109199	2.325974	2.57804	1.840725	1.588238	0.726566	1.0941	3.420635	3.423044	3.312021	5.027605	5.098907	5.034009	2.990321	2.841019	2.912845
PABPC1	ENSG00000070756	-0.20689	10.39305	-4.80876	0.000152	0.000428	-0.31355	10.22383	10.19473	10.19774	9.839942	9.839617	9.86021	9.972299	10.02814	10.03047	10.82055	10.76329	10.74176	10.67811	10.69501	10.71428	10.80844	10.81512	10.87199
TESK2	ENSG00000070759	0.170809	0.272044	0.933641	0.363209	0.428102	-6.20824	1.069823	0.8079	0.898566	0.395333	0.92021	0.984419	0.415731	0.622068	0.515351	2.01088	1.827525	1.915176	2.145912	2.21055	2.220059	1.286141	1.118494	1.58715
CFAP20	ENSG00000070761	-0.34035	5.722724	-6.75043	2.94E-06	1.38E-05	4.129926	6.141817	6.002253	6.160332	5.863665	5.896744	5.832753	5.976635	6.032872	6.104345	5.638424	5.583055	5.739748	5.27674	5.265605	5.168932	5.66576	5.58723	5.588012
CSNK2A2	ENSG00000070770	-0.20115	7.136544	-2.58843	0.018842	0.031043	-4.84063	7.73126	7.804753	7.7804	7.310095	7.296822	7.382203	7.922493	7.95976	7.94313	6.544525	6.527689	6.593295	6.635904	6.582188	6.60452	6.683176	6.641881	6.719087
PTPN21	ENSG00000070778	0.617495	4.06029	4.480067	0.000309	0.000803	-0.30083	4.192962	4.412648	4.201929	4.342447	4.58706	4.454215	4.544628	4.482206	4.776822	3.496465	3.447177	3.513924	4.444342	4.274468	4.508238	3.737235	3.698248	3.611778
EIF2B3	ENSG00000070785	-0.48224	4.901643	-10.0396	1.12E-08	1.30E-07	9.969735	5.038315	5.063109	5.033667	4.525489	4.648682	4.580436	4.832157	4.905964	4.849226	5.238045	5.221963	5.252955	4.665059	4.80769	4.860827	5.269218	5.211838	5.119922
TCOF1	ENSG00000070814	-1.19796	7.282058	-15.2731	1.51E-11	8.43E-10	16.55888	7.502938	7.439895	7.464533	6.234408	6.489925	6.337085	6.827098	6.762879	6.714435	8.248936	8.130241	8.250084	7.015051	6.965105	6.964865	7.966421	8.002962	7.94992
CDC42	ENSG00000070831	0.022908	8.103404	0.594819	0.559587	0.619093	-7.75689	7.942898	7.956333	7.919349	7.939902	7.864848	7.87387	7.943007	7.95976	8.011774	8.289174	8.283025	8.27473	8.307621	8.390327	8.394086	8.190317	8.205445	8.212967
OSBPL3	ENSG00000070882	-0.94357	5.645491	-4.45201	0.000329	0.000847	-0.70864	6.439646	6.412172	6.432954	4.448742	4.607895	4.434292	5.049544	5.155666	5.112107	6.083021	6.157786	6.030584	5.777742	5.839488	5.745256	6.13927	6.111581	6.237028
RAD18	ENSG00000070950	-0.91547	4.549684	-13.4859	1.13E-10	3.55E-09	14.72143	4.776503	4.864623	4.647003	3.562554	4.061165	3.936085	4.583863	4.796183	4.505294	5.138995	5.06707	5.121514	4.183649	4.298341	4.297823	5.072509	4.99066	5.174518
ATP2B1	ENSG00000070961	0.510229	7.207841	2.273554	0.035866	0.055178	-5.4174	7.51643	7.605708	7.50749	8.859534	8.722752	8.902628	8.499945	8.502272	8.504196	6.335594	6.370422	6.296559	5.789524	5.858882	5.854018	6.295367	6.281071	6.27968
NCK2	ENSG00000071051	0.620041	2.199447	3.134212	0.00589	0.011016	-2.56771	4.543331	4.687262	4.74442	5.227586	5.239802	5.089421	4.56045	4.62424	4.770621	0.415169	0.748206	0.807652	1.498836	1.120667	0.957066	0.884806	0.816175	0.805046
MAP4K4	ENSG00000071054	-0.12144	7.329385	-3.71358	0.001658	0.003551	-2.51095	7.341766	7.284837	7.363889	7.218288	7.243452	7.221967	7.519993	7.432684	7.43734	7.36861	7.332138	7.376294	7.18178	7.191044	7.294415	7.405206	7.389977	7.492171
MGAT4A	ENSG00000071073	0.061304	3.232452	0.628131	0.53804	0.599164	-7.02931	3.210562	3.142112	3.162305	3.376187	3.457132	3.335661	2.667326	2.728183	2.560038	3.60703	3.842432	3.691009	3.719554	3.666873	3.72061	3.698273	3.72088	3.698167
RPL31	ENSG00000071082	-0.00075	9.057603	-0.01678	0.986803	0.989025	-7.99026	9.364156	9.318671	9.295234	9.251408	9.237695	9.180402	9.329393	9.294238	9.36883	8.860074	8.836277	8.680807	8.818762	8.898137	8.949573	8.752066	8.787201	8.865104
WDR1	ENSG00000071127	0.092124	9.161306	2.43295	0.025974	0.041418	-5.31823	9.111592	9.083044	9.075094	9.019003	9.134679	9.063944	8.99401	8.952603	9.024156	9.236433	9.147549	9.265354	9.421946	9.411459	9.382459	9.256885	9.174567	9.19578
SNX13	ENSG00000071189	0.148373	5.881578	2.28191	0.035271	0.054395	-5.2773	6.397977	6.305561	6.242667	6.468179	6.434631	6.516764	6.512251	6.579706	6.561203	5.384942	5.353339	5.351474	5.469725	5.489494	5.507395	5.139487	5.203826	5.437082
ARHGAP1C	ENSG00000071205	-0.34493	4.491635	-3.94971	0.000987	0.002238	-1.57066	5.121892	5.218099	5.137743	4.815644	4.500575	4.506036	4.772276	4.814082	4.807433	4.425958	4.269773	4.494431	4.352013	4.220515	4.232958	3.928936	4.25315	4.18401
RPS6KA2	ENSG00000071242	0.997335	2.679474	11.53693	1.33E-09	2.36E-08	12.244	1.519087	1.118985	1.202741	1.256461	1.666451	1.575618	1.160105	1.15884	1.171446	4.172174	4.36574	4.171248	5.212064	5.260752	5.271695	5.14915	5.176796	5.140638
ING3	ENSG00000071243	-0.34914	4.093614	-2.98105	0.0082	0.014779	-3.56233	4.363907	4.366251	4.275483	4.020568	3.630051	3.926609	4.6445	4.59693	4.647437	4.276236	4.162112	4.293123	3.884887	4.084346	4.078019	3.842237	4.083055	4.066226
VASH1	ENSG00000071246	0.811011	3.704106	8.291652	1.82E-07	1.29E-06	7.288231	3.27548	3.298545	3.359697	3.863871	4.1009	3.765857	3.617275	3.913244	3.771595	3.637124	3.562131	3.759253	4.568067	4.340341	4.56581	3.711377	3.85652	3.753014
LMCD1	ENSG00000071282	0.396255	3.072467	2.891774	0.009929	0.017546	-3.79658	2.884092	2.76681	2.700947	2.143217	2.366112	2.098749	1.648695	1.549165	1.50602	4.35077	4.112675	4.375708	4.996315	4.814328	4.739314	4.222335	4.145732	4.157149
BUD23	ENSG00000071462	-0.71821	6.953189	-8.72325	8.84E-08	7.13E-07	7.618166	7.944895	7.957801	7.983609	6.951091	6.997238	6.971994	7.357428	7.388571	7.392614	6.661699	6.588624	6.746637	6.249949	6.293583	6.179507	6.608965	6.590575	6.525268
SEL1L	ENSG00000071537	0.744461	7.033703	12.0027	7.19E-10	1.45E-08	12.58284	6.473243	6.45852	6.471878	7.407602	7.303223	7.535787	7.035321	7.032474	7.037282	6.823389	6.826451	6.668252	7.330325	7.3336	7.330296	7.227331	7.214358	7.307548
TRIP13	ENSG00000071539	-1.24877	6.033345	-24.5067	5.59E-15	4.19E-12	24.6147	7.215107	7.149264	7.164472	5.875441	6.089305	6.094204	6.953805	7.066472	7.026913	5.863533	5.823267	5.89715	4.571104	4.573423	4.519937	5.717014	5.800579	5.694596
ATP6AP1	ENSG00000071553	0.788472	7.91811	11.3714	1.67E-09	2.80E-08	11.67014	7.996834	8.034445	8.02975	9.052456	9.072019	9.052826	8.58023	8.54889	8.569054	7.068761	7.002339	7.066576	7.574979	7.543922	7.553999	7.333383	7.336021	7.233943
TCF3	ENSG00000071564	0.141317	6.387898	1.809304	0.087636	0.122622	-6.2026	6.467698	6.51809	6.538585	6.474	6.69694	6.45713	6.460489	6.194191	6.297866	6.116785	6.140623	6.307119	6.466844	6.390053	6.417024	6.538102	6.541621	6.27968
TRIB2	ENSG00000071575	0.184807	4.097402	1.101325	0.285691	0.346749	-6.88005	2.416107	2.674627	2.720234	3.933121	4.009905	4.036412	3.405851	3.477062	2.723053	5.22076	5.212608	5.223525	5.109264	5.02357	5.014844	5.212738	5.217154	5.133766
DAZAP1	ENSG00000071626	-0.42358	6.341432	-8.72083	8.88E-08	7.15E-07	7.647464	6.279537	6.296311	6.298269	5.895822	5.893919	5.727543	6.200136	6.357695	6.21352	6.635849	6.592236	6.767179	6.297483	6.314805	6.226676	6.886777	6.839246	6.759829
MBD3	ENSG00000071655	0.040906	5.635244	0.640458	0.530183	0.591802	-7.42033	6.090422	6.054397	6.089793	6.178467	6.348532	6.137973	6.384753	6.189628	6.359073	5.038288	5.064472	5.28714	5.109264	5.082502	4.99542	5.273642	5.26414	5.063177
HLTF	ENSG00000071794	-0.5211	5.827529	-5.68906	2.40E-05	8.43E-05	1.93853	5.670345	5.685425	5.710337	5.704425	5.4273	5.503669	5.817858	6.050595	5.92891	6.334446	6.343889	6.346046	5.544252	5.518239	5.631222	6.03498	6.047368	6.074269
FAM50A	ENSG00000071859	0.32078	6.633222	5.209873	6.48E-05	0.000202	0.841893	6.840224	6.793718	6.885741	7.300299	7.373854	7.278932	7.045194	6.924021	7.00463	6.097974	6.094257	6.161471	6.297483	6.251401	6.283835	6.386015	6.273436	6.387612
FAM3A	ENSG00000071889	0.324737	5.433766	5.353702	4.80E-05	0.000156	1.31554	5.812748	5.678322	5.830573	5.930104	6.089305	5.958972	5.866398	5.845426	5.897954	4.769473	4.80914	5.007428	5.217888	5.310903	5.33267	5.175396	5.018332	4.902646
CPSF1	ENSG00000071894	0.101418	6.591107	1.92974	0.070033	0.100502	-6.05205	5.777323	5.902145	6.138993	5.884211	5.989635	5.914123	6.040078	5.774066	5.94827	7.23171	7.279907	7.242854	7.44692	7.398542	7.40423	7.209546	7.192932	7.172398
MYO3B	ENSG00000071909	0.483691	-0.66015	4.894599	0.000127	0.000364	0.90214	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.246125	3.076267	2.93917	3.526548	3.436722	3.563664	2.831347	2.799093	2.687355
CYBRD1	ENSG00000071967	1.700563	4.730272	5.773108	2.02E-05	7.26E-05	2.479452	5.557407	5.449895	5.41428	6.733796	6.690443	6.62179	6.587536	6.733398	6.681763	1.91588	2.249583	2.460504	4.890883	4.729072	4.938437	3.103995	3.171908	3.228839
CDH19	ENSG00000071991	0.951588	0.90501	3.474564	0.002803	0.005667	-1.67267	6.191444	6.175382	5.947704	7.067315	7.090245	7.018455	6.259498	6.397811	6.331956	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.183756	0.106501	0.106501
PDCD2	ENSG00000071994	-0.31483	6.475015	-3.82451	0.001299	0.002848	-2.2036	6.689964	6.599315	6.515311	5.884211	5.921921	5.923682	6.172091	6.147896	6.159965	6.838038	6.837905	6.806788	6.79503	6.759477	6.817801	6.631545	6.677029	6.680701
SLC6A15	ENSG00000072041	-1.38684	0.313776	-5.48666	3.64E-05	0.000122	2.441054	6.214805	6.274494	6.122779	4.727426	4.795153	4.829562	5.961819	6.203275	6.015365	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RDH11	ENSG00000072042	0.15106	6.198928	2.311591	0.033229	0.051589	-5.3067	5.792929	5.877545	5.741349	6.268301	6.173243	6.210048	6.25221	6.225736	6.19974	6.374075	6.325563	6.342628	6.314799	6.264792	6.308779	6.416342	6.376817	6.48263
PRKACA	ENSG00000072062	0.207632	5.59827	3.022918	0.007493	0.013656	-3.80019	5.379837	5.466485	5.517107	5.944151	5.941203	5.867836	5.63569	5.663233	5.612649	5.593087	5.485444	5.659606	5.634118	5.566222	5.534564	5.586184	5.578995	5.654343

ADGRL1	ENSG00000072071	0.386683	5.405731	3.304156	0.00407	0.007912	-3.17621	4.842264	4.511888	4.76778	5.55133	5.674464	5.602196	5.365443	5.298133	5.392079	5.510146	5.471785	5.478369	5.618056	5.538426	5.418515	5.987291	5.998805	5.927013
ACTN1	ENSG00000072110	-0.045	8.122935	-0.30744	0.762139	0.802421	-7.88552	8.466342	8.407406	8.441366	7.971794	8.12605	8.00965	7.920962	7.889046	7.938298	7.801645	7.767036	7.847638	8.148482	8.040408	8.07721	8.498125	8.513212	8.445811
ZFYVE26	ENSG00000072121	0.302747	4.803712	3.250495	0.004575	0.00878	-3.25143	3.84498	3.99909	4.050156	4.863733	4.65537	4.537503	3.80164	4.166444	4.355908	5.59692	5.634754	5.473689	5.710474	5.595421	5.703115	5.228777	5.104049	5.19777
RPS6KA6	ENSG00000072133	0.272995	2.658068	2.560943	0.01995	0.03271	-4.08859	2.996191	3.100202	3.029452	2.97776	3.170134	2.998412	2.696258	2.801791	2.588518	2.693825	2.85362	2.447834	3.066031	3.054776	3.021143	2.77004	2.680939	2.880366
EPN2	ENSG00000072134	-0.08872	5.754379	-1.30164	0.209936	0.264075	-6.86825	5.628712	5.612764	5.469462	5.408686	5.438974	5.535187	5.35187	5.281075	5.355259	6.041432	6.030465	6.101056	5.995707	6.012542	5.970866	6.34456	6.256754	6.249797
PTPN18	ENSG00000072135	0.172338	5.543418	3.963584	0.000957	0.002179	-1.77371	5.552176	5.438728	5.420189	5.49519	5.514478	5.550692	5.396627	5.488491	5.404147	5.589243	5.584869	5.594999	5.83445	5.858882	5.835411	5.522553	5.649508	5.622786
SPEG	ENSG00000072195	1.564071	0.932147	6.544101	4.36E-06	1.94E-05	4.451893	1.430644	1.708084	1.585853	2.103714	2.429905	2.196611	2.186178	1.491012	1.674905	0.7264	0.799097	0.884879	2.129525	2.190279	2.014873	1.320757	1.406038	0.872651
LNX1	ENSG00000072201	0.819694	-0.65291	4.406596	0.000363	0.000924	-0.07107	0.106501	0.316291	0.106501	0.395333	0.106501	0.106501	0.106501	0.106501	0.106501	2.510897	2.632935	2.34226	3.27416	3.263212	3.147195	2.35157	2.552239	2.200755
ALDH3A2	ENSG00000072210	0.082284	7.301807	0.725	0.478047	0.541629	-7.56836	8.099907	8.104132	8.083799	8.41467	8.524253	8.462373	7.887641	7.942913	7.80963	6.484753	6.609268	6.560569	6.327426	6.284049	6.297494	6.635848	6.500789	6.604455
TFRC	ENSG00000072274	-0.57835	8.957641	-7.89109	3.64E-07	2.32E-06	5.998168	8.84159	8.805357	8.813805	8.541124	8.463632	8.4968	9.183768	9.176663	9.152206	9.431767	9.40831	9.391248	8.5779	8.617959	8.622654	9.294653	9.184948	9.28862
SREBF1	ENSG00000072310	0.026538	7.442751	0.220944	0.827696	0.85731	-7.83348	7.938895	7.976261	8.075867	8.383567	8.503556	8.390523	8.108872	7.910003	8.066583	6.833171	6.955437	6.948998	6.536863	6.488798	6.469252	6.895416	6.879199	6.783075
AFF4	ENSG00000072364	0.293224	7.406765	5.224721	6.28E-05	0.000197	0.786228	7.216761	7.153539	7.19495	7.684422	7.563551	7.655349	7.414039	7.549475	7.411668	7.352829	7.482258	7.283083	7.527693	7.517724	7.52623	7.294726	7.324983	7.327261
UBE2D1	ENSG00000072401	-0.18831	4.827776	-1.92928	0.070094	0.100562	-5.76556	5.177303	5.181722	5.041355	4.619522	4.537243	4.756563	4.974767	5.028565	4.801363	5.068969	4.81224	5.009585	4.980412	5.049122	4.96721	4.577584	4.687803	4.567359
MPP5	ENSG00000072415	0.303752	5.969232	1.680584	0.110627	0.150651	-6.37625	5.903856	5.82919	5.837213	5.307999	5.383668	5.425089	5.774426	5.868449	5.791729	6.139301	6.018435	6.138002	6.934213	6.894032	6.909605	5.935182	5.879817	5.921037
RHOBTB1	ENSG00000072422	0.516427	4.069973	5.52464	3.36E-05	0.000114	2.065124	5.546927	5.722732	5.587063	5.993618	5.941203	6.21978	5.257962	5.335791	5.346947	2.722179	2.674414	2.497858	3.205461	3.223865	3.344321	2.417026	2.233409	2.528753
SMC1A	ENSG00000072501	-0.69398	7.702654	-5.71325	2.28E-05	8.09E-05	1.81784	7.775695	7.871675	7.795254	7.600878	7.569759	7.701226	8.18101	8.23853	8.15255	8.059844	7.987382	7.965933	6.821413	6.888538	6.833513	7.781523	7.758258	7.80008
HSD17B10	ENSG00000072506	-0.17843	6.888342	-4.60781	0.000235	0.000628	-0.50211	7.164589	7.119852	7.104269	6.9343	7.070367	7.028456	7.113817	7.073919	7.101684	6.829918	6.72153	6.924059	6.617661	6.604381	6.565537	6.775756	6.745776	6.722526
MARK2	ENSG00000072518	0.285385	6.892888	2.415435	0.026921	0.042717	-5.19158	6.02962	6.065329	6.069258	6.823158	6.787998	6.762926	6.922008	6.670928	6.844112	7.313187	7.325101	7.338185	7.287114	7.28305	7.237683	7.224477	7.178015	7.146171
HMMR	ENSG00000072571	-1.26212	3.813362	-3.68773	0.001755	0.003744	-1.83724	4.2778	4.006672	4.019345	4.3081	3.988879	4.113606	4.986526	5.146277	5.026224	4.192583	4.162112	4.112253	1.818016	2.127698	1.580823	4.519164	4.414575	4.499478
CHFR	ENSG00000072609	0.65865	5.259312	9.921686	1.34E-08	1.51E-07	9.717532	4.484137	4.624584	4.515184	5.400559	5.554381	5.35617	4.99237	4.955186	4.831463	5.316853	5.444072	5.496937	5.865704	5.91709	5.969444	5.647126	5.502682	5.521118
P4HA2	ENSG00000072682	0.127775	6.674538	1.917665	0.071644	0.102525	-6.0525	6.565692	6.642539	6.610118	6.9343	6.844685	6.850722	6.599072	6.711283	6.799125	6.549478	6.513474	6.57156	6.616192	6.523646	6.516739	6.903289	6.792823	6.860046
NFATC3	ENSG00000072736	0.179737	5.165686	1.82931	0.084467	0.118707	-5.94089	5.253402	5.17164	5.244837	5.667647	5.624218	5.870309	5.843949	5.868449	5.779429	4.769473	4.854958	4.857431	4.595172	4.697103	4.739314	5.09768	4.927198	4.894538
TRNT1	ENSG00000072756	-0.26344	5.211229	-3.75244	0.001522	0.003288	-2.13321	5.803973	5.852519	5.803703	5.350809	5.305047	5.37022	5.601686	5.789227	5.591697	4.809665	4.875852	4.943432	4.851459	4.847068	4.814076	5.059757	4.971913	4.902646
ACADVL	ENSG00000072778	0.214102	7.7012	6.527454	4.51E-06	1.99E-05	3.507167	8.588258	8.528551	8.673051	8.784227	8.816353	8.775442	8.635426	8.637419	8.640928	6.691581	6.623457	6.652465	6.915218	6.869541	6.880405	6.688156	6.755857	6.62543
STK10	ENSG00000072786	0.055218	5.429014	0.506598	0.618768	0.673837	-7.55768	5.403266	5.285098	5.319453	4.740363	4.871804	4.951383	4.83866	4.677356	4.713579	5.861941	5.718106	5.789551	6.199815	6.097994	6.106375	5.884016	5.962863	5.958469
FBXW11	ENSG00000072803	-0.22553	6.945628	-5.76238	2.06E-05	7.39E-05	1.958943	6.863637	6.888074	6.854442	6.767367	6.601477	6.62179	6.744671	6.880799	6.76989	7.296785	7.329435	7.277277	7.054104	7.078362	7.050042	7.034212	7.06167	7.06631
ACAP1	ENSG00000072818	-0.76388	0.267304	-2.92726	0.009203	0.016385	-2.83369	2.137484	1.780637	1.921989	1.104644	0.828511	1.367251	1.160105	1.231675	1.445026	1.028404	0.799097	1.188864	0.869014	1.077171	0.862212	0.686723	0.975239	1.170016
EVC	ENSG00000072840	0.45556	0.076913	1.34846	0.194726	0.247081	-5.41679	4.559062	4.543506	4.657046	5.097883	5.034541	5.215396	4.681143	4.256466	4.322386	0.106501	0.185134	0.16959	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
DERL2	ENSG00000072849	0.138959	5.653662	2.199005	0.041604	0.063026	-5.42208	5.544295	5.620197	5.547119	5.913065	5.888253	6.004722	5.80795	5.927193	5.914921	5.518254	5.54629	5.602163	5.509846	5.501884	5.489655	5.677494	5.578995	5.706224
SIDT1	ENSG00000072858	-0.09612	0.792712	-0.76234	0.45602	0.519772	-6.54499	0.742531	1.002471	0.598525	0.635873	0.389229	0.746642	0.548589	0.824004	0.515351	2.736149	2.561038	2.756026	2.591031	2.743101	2.689384	2.843302	2.665466	2.830235
NDE1	ENSG00000072864	-0.13606	4.671969	-1.08209	0.293915	0.355458	-6.84892	5.019487	4.872944	4.974661	5.268353	5.33034	5.151751	5.203583	5.183472	5.165072	4.521821	4.390842	4.512795	3.865227	4.10615	3.849837	4.533992	4.672404	4.567359
TMEM38A	ENSG00000072954	0.886634	1.204575	6.566653	4.18E-06	1.87E-05	4.422765	0.814199	0.940485	0.756332	1.840866	1.498102	1.669505	0.983587	0.915275	1.445026	2.121457	2.285719	2.120715	2.791825	2.700737	2.675503	2.448672	2.392244	2.397196
AP1M1	ENSG00000072958	0.304976	5.814368	5.935597	1.45E-05	5.49E-05	2.460713	5.876913	5.916304	5.955863	6.100335	6.161547	6.068583	5.982519	5.865591	5.9889	5.44146	5.397356	5.563047	5.925066	5.845981	5.814979	5.805224	5.735381	5.692259
PVR	ENSG00000073008	-0.00136	6.417432	-0.01364	0.989275	0.990875	-7.77875	6.239421	6.090521	6.104547	6.462335	6.623812	6.50726	6.566144	6.61587	6.575503	6.449149	6.361984	6.415201	6.107656	6.123609	6.06837	6.862018	6.84784	6.810269
XRCC1	ENSG00000073050	-0.38902	4.72757	-5.97622	1.34E-05	5.13E-05	2.688352	4.925527	4.691972	4.954444	4.299384	4.551652	4.233737	4.629578	4.413424	4.556652	5.250266	5.145366	5.249309	4.96664	4.907298	4.848508	4.838721	4.920695	4.726565
SCARB1	ENSG00000073060	0.524315	6.230023	3.900407	0.0011	0.00246	-1.73253	8.284315	8.294247	8.339813	8.916217	9.023414	8.926001	8.590862	8.575368	8.566372	3.544892	3.735447	3.769472	3.88976	3.793216	3.780199	4.492842	4.338561	4.242679
MCM2	ENSG00000073111	-1.68131	6.495186	-9.39085	3.02E-08	2.91E-07	8.76679	6.857289	6.750343	6.760919	5.724097	5.779205	5.840343	6.087259	6.157275	6.076967	7.575564	7.45871	7.570329	5.551958	5.361637	5.522983	7.440557	7.391741	7.346709
PANX2	ENSG00000073150	2.981026	1.183225	14.28267	4.50E-11	1.81E-09	14.5507	1.642349	1.744817	1.62731	4.020568	4.462952	4.241401	4.185161	3.935218	4.141991	0.190076	0.330605	0.397516	1.27873	1.2438	0.957066	1.214313	1.118494	0.93723
SELENOO	ENSG00000073169	0.092601	4.416824	0.852522	0.405456	0.470576	-7.08359	4.683882	4.682536	4.808898	4.245952	4.681813	4.279122	4.358069	4.341199	4.542164	4.161861	4.411431	4.428251	4.726277	4.722029	4.712374	4.267397	4.348284	4.341429
TP63	ENSG00000073282	-1.14245	0.484628	-8.16726	2.25E-07	1.55E-06	7.060602	0.216396	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.256032	5.004057	5.082559	4.857431	3.825085	3.826433	3.727354	5.036515	4.975054	4.96205
ALPK1	ENSG00000073331	0.407523	3.280943	2.96628	0.008464	0.015196	-3.45751	3.530804	3.59862	3.309643	3.142765	3.517104	3.432575	3.158032	3.318907	3.340558	3.340597	3.478738	3.195594	3.965575	3.890658	4.139984	2.957699	3.204393	3.215882
LLGL2	ENSG00000073350	0.280756	5.627075	3.066878	0.006814	0.012556	-3.7886	4.798758	4.756352	4.691656	4.40878	4.600983	4.407292	4.143751	4.040332	3.990155	6.743512	6.720706	6.818523	7.283878	7.254046	7.166272	6.811947	6.793713	6.618062
PDE8A	ENSG00000073417	0.475957	5.131317	9.770364	1.68E-08	1.82E-07	9.546173	5.008072	5.055819	4.929803	5.521661	5.423388	5.464914	5.69064	5.517911	5.633301	4.553726	4.68948	4.623968	5.066862	4.974036	5.183718	5.317154	5.240838	5.246367
CLCN4	ENSG00000073464	0.706042	2.920587	6.21833	8.25E-06	3.36E-05	3.640151	3.465529	3.209365	3.029452	3.921807	3.945887	3.807755	4.19533	3.736817	3.60036	2.224158	2.388995	2.272125	2.872818	2.770668	2.918805	2.639009	2.601856	2.629903
NLE1	ENSG00000073536	-0.16118	5.762487	-2.75612	0.01325	0.022689	-4.34649	6.399434	6.317804	6.435874	5.980046	6.123468	6.072885	6.197609	6.080481	6.188155	5.389369	5.361828	5.356567	5.416688	5.343394	5.374084	5.357309	5.465192	5.377239
SDHA	ENSG00000073578	-0.17544	6.993904	-2.81761	0.01163	0.020189	-4.38109	7.593561	7.587496	7.557941	7.135011	7.252302	7.236421	7.379894	7.380586	7.431456	6.71028	6.581374	6.687915	6.734689	6.633764	6.670742	6.550004	6.456523	6.529201
SMARCE1	ENSG00000073584	0.195355	5.607464	2.792208	0.012275	0.021205	-4.25058	5.883176	6.011704	5.976061	5.999011	5.882565	6.038106	6.059692	6.187341	6.101877	5.133727	5.150274	5.101431	5.448413	5.508039	5.503472	5.19652	5.126826	5.194471
GSDMB	ENSG00000073605	0.842614	1.684234	7.408206	8.62E-07	4.83E-06	5.853813	0.882475	1.173893	1.146821	1.326771	1.307481	1.714252	0.670238	1.231675	1.244857	3.17611	3.330936	3.125724	3.946991	4.051009	3.985412	2.539649	2.634012	2.59029
KDM5A	ENSG00000073614	0.26906	6.27502	2.935308	0.009046	0.016129	-4.0787	6.231262	6.242742	6.155027	6.206709	6.175571	6.326315	6.419869	6.489769	6.48561	6.055429	6.242964	6.129102	6.579714	6.624351	6.587016	6.07988	6.09001	6.176453
ADAM11	ENSG00000073670	0.328705	0.459411	1.222858	0.237617	0.294729	-5.63258	1.384302	1.670392	1.406977	1.978268	1.666451	1.367251	2.26554	2.220554	2.408535	0.609835	0.640699	1.061592	1.088368	0.784432	0.910419	0.930351	1.2488	0.659518
PPP2R3A	ENSG00000073711	-0.11226	3.572563	-1.21145	0.24185	0.299328	-6.6798	3.085796	2.693541	2.492412	3.142765	3.112982	3.247073	2.545421	2.481727	2.440135	4.799721	4.818421	4.835713	4.574134	4.660731	4.496442	4.519164	4.576385	4.461559
FERMT2	ENSG00000073712	0.262145	6.098091	3.363941	0.003571	0.007023	-3.17501	5.643543	5.575013	5.600136	5.605366	5.565074	5.735705	5.736627	5.727605	5.693539	6.501209	6.513474	6.517263	6.941272	6.848675	6.925087	6.313743	6.311214	6.421867
DHRS9	ENSG00000073737	-4.06047	0.657257	-18.1283	8.96E-13	1.05E-10	18.48674	1.755904	1.780637	1.54317	0.395333	0.106501	0.3528	0.548589	0.253663	0.39151	4.455814	4.471494	4.494431	1.018891	1.203912	1.209118	2.807136	2.854728	2.880366
PTGS2	ENSG00000073756	0.837614	5.664075	15.70125	9.62E-12	6.17E-10	17.14225	5.585841	5.602793	5.405371	6.50655	6.289573	6.384578	5.888503	5.935393	6.031013	5.006941	5.113047	5.109498	5.864467	5.884342	5.829155	5.237862	5.453977	5.374327
IGF2BP2	ENSG00000073792	1.148932	4.871367	11.36063	1.69E-09	2.82E-08	11.8601	3.183753	3.472886	3.443319	3.740513	3.560502	3.572823	3.988671	4.070428	4.00079	5.293423	5.423946	5.454817	6.785256	6.708718	6.658445	6.591351	6.496423	6.553867
MAP3K13	ENSG00000073803	0.432488	5.755877	2.784938	0.012466	0.021498	-4.3328	5.745596	5.697188	5.703085	5.536571	5.379635	5.519514	5.715585	5.761822	5.70008	5.526317	5.698134	5.652722	6.502278	6.537754	6.529335	5.610871	5.688306	5.605504
ST6GAL1	ENSG00000073849	1.208378	4.215948	10.77098	3.85E-09	5.52E-08	11.08512	2.996191	3.155816	2.848472	4.290615	4.301803	4.34463	2.779728	3.043491	2.643847	4.623032	4.712893	4.721931	5.83445	5.834598	5.718428	5.394346	5.227729	5.299535
FRY	ENSG00000073910	1.471546	2.44158	6.816369	2.59E-06	1.24E-05	4.874604	2.949211	3.169391	2.865896	4.753186	4.681813	4.793524	3.072345	2.916694	3.4839	2.01088	1.752042	1.585733	2.112949	2.433888	2.141451	1.681967	1.737342	1.546329
PICALM	ENSG00000073921	0.084527	7.266542	1.99662	0.061684	0.089824	-5.98765	7.045868	7.010971	6.95352	6.989528	6.85779	6.998241	7.005289	6.998961	6.996682	7.488489	7.508775	7.474035	7.657661	7.705297	7.685349	7.535719	7.516648	7.546224
NSF	ENSG00000073969	0.147443	5.904223	2.591722	0.018713	0.030842	-4.73718	5.583279	5.659206	5.549817	6.004384	5.891089	5.947304	5.743574	5.786207	5.848765	6.175637	6.089154	6.071422	6.078073	6.082954	6.155956	6.051821	6.041387	5.964291
GLI2	ENSG00000074047	-0.72181	-0.93043	-2.50378	0.022456	0.036346	-3.53679	3.810347	4.14364	4.057757	3.06262	3.457132	3.27721	2.696258	2.871824	2.588518	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CLASP1	ENSG00000074054	0.215488	6.129706	3.219881	0.00489	0.009321	-3.47152	5.496078	5.455446	5.64624	6.082665	6.036494	5.965928	5.922569	5.975709	5.961941	6.362863	6.473889	6.314117	6.436358	6.420828	6.354146	6.59754	6.589551	6.635195
MRPS34	ENSG00000074071	-0.22228	6.622287	-3.35412	0.003649	0.007162	-3.22284	6.988936	7.048185	7.088585	6.674365	6.807642	6.62179	6.734246	6.762879	6.817288	6.325233	6.428144	6.697312	6.419607	6.366533	6.357411	6.592237	6.392174	6.354004
NOTCH3	ENSG00000074181	0.388873	6.800464	3.579714	0.002225	0.00462	-2.72552	6.792225	6.831564	6.918464	7.173678	7.374867	7.354201	7.85754	7.673943	7.897619	6.007276	6.270274	6.112139	6.489493	6.439197	6.362835	6.439169	6.453147	6.220906
CLNS1A	ENSG00000074201	0.707931	6.633176	13.57482	1.02E-10	3.30E-09	14.62074	5.362012	5.393175	5.251481	6.030952	5.910785	5.807161	6.15656	6.203275	6.051618	6.96951	7.058247	7.055136	7.771612	7.830096	7.787295	7.690979	7.675709	7.718028
PPP2R2C	ENSG00000074211	1.457846	2.435827	5.11605	7.90E-05	0.000241	1.686795	5.895619	5.930325	5.83279	7.344394	7.388979	7.321132	7.254198	7.10333	7.048858	0.190076	0.462741	0.397516	0.5125	0.550009	0.404558	0.326864	0.816175	0.214669
TEAD2	ENSG00000074219	1.241226	4.623636	18.04466	9.68E-13	1.09E-10	19.50091	3.210562	2.966631	3.204003	4.254996	4.662026	4.55606	4.185161	4.128801	4.3476	4.786356	4.821501	4.8741	6.000221	5.971557	5.903984	5.529969	5.585175	5.562649
EED	ENSG00000074266	-0.63355	5.0256	-13.8944	7.01E-11	2.54E-09	15.15045	4.867751	4.881217	4.76778	4.171485	4.204846	4.178918	4.986526	4.911516	4.813478	5.754507	5.71148	5.735845	5.088219	5.206274	5.113381	5.667442	5.629711	5.637437
TSG101	ENSG00000074319	-0.14015	6.408308	-2.36921	0.029576	0.046425	-5.22547	6.767614	6.642539	6.649636	6.390287	6.313024	6.308185	6.337326	6.389876	6.293548	6.456552	6.409841	6.518778	6.474163	6.508375	6.520626	6.233123	6.292449	6.159635
NCBP3	ENSG00000074356	-0.07978	5.686428	-1.29238	0.21305	0.267567	-6.8252	5.960231	5.910253	5.925027	6.092789	6.023629	6.035905	6.070782	5.973056	6.136045	5.520274	5.53695	5.549768	5.231389	5.289623	5.301375	5.342644	5.449467	5.536833
ATP2A3	ENSG00000074370	1.276742	3.469016	13.0933	1.82E-10	5.05E-09	14.29674	2.080492	2.039077	2.194417	3.619685	3.747367	3.678224	2.908934	2.848856	2.869505	3.805587	3.836353	3.680217	4.895737	4.811013	4.72927	4.54135	4.633169	4.428245
CA12	ENSG00000074410	2.010466	0.941201	3.757833	0.001504	0.003254	-1.08492	4.901049	5.007511	4.994599	7.025647	7.071617	7.10921	6.52843	6.476718	6.544946	0.106501	0.259702	0.288049	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
MGLL	ENSG00000074416	0.106488	5.594891	0.506889	0.618568	0.67367	-7.5992	6.004946	5.820613	5.8172	5.087795	5.157403	5.093661	4.367093	4.184903	4.339245	5.823198	5.835508	5.956492	6.581221	6.416471	6.445932	6.123425	6.157931	6.125399
NTN4	ENSG00000074527	0.220718	7.490093	4.19332	0.000578	0.001396	-1.46734	7.730102	7.670387	7.721801	8.09022	8.107881	8.084527	7.609217	7.495037	7.594798	7.232327	7.258474	7.315263	7.335245	7.309722	7.336374	7.103571	6.922965	7.057259
BCS1L	ENSG00000074582	-0.55047	5.119559	-7.88341	3.69E-07	2.35E-06	6.31897	5.100552	4.973094	5.067946	4.333937	4.335505	4.407292	4.920629	5.155666	4.945952	5.844313	5.766859	5.756541	5.342202	5.236244	5.382653	5.430457	5.478535	5.472921
NUAK1	ENSG00000074590	0.077472	4.661804	0.398484	0.695099	0.742596	-7.21628	6.392134	6.349454	6.309455	6.127673	5.989635	6.182445	6.373601	6.260962	6.35286	2.966925	2.969234	2.930089	3.918659	3.813238	3.824901	3.143207	2.799093	2.960231
DPP8	ENSG00000074603	0.106556	6.464517	1.661536	0.114436	0.155127	-6.4365	6.590142	6.615521	6.527679	6.62115	6.430738	6.740116	6.691778	6.764414	6.762098	6.292517	6.315766	6.279679	6.433023	6.505302	6.476276	6.150139	6.217503	6.252972
SLC24A1	ENSG00000074621	0.041424	3.446492	0.385729	0.704352	0.751805	-7.10034	3.756787	3.952741	4.02711	3.70135	3.734793	3.776446	3.632324	3.761625	3.746538	3.036317	3.381904	3.400153	3.251622	3.759216	3.525482	3.439417	3.297679	3.254409
ZNF532	ENSG00000074657	-0.29278	4.736961	-4.87832	0.000131	0.000376	0.290742	3.975752	3.983805	3.755225	3.727576	3.602632	3.797394	3.690999	3.431409	3.856018	6.032969	6.025131	5.85938	5.637019	5.62404	5.730227	5.968311	5.922751	5.911023
LMAN1	ENSG00000074695	0.096344	7.63971	1.077201	0.296034	0.357657	-7.26325	8.144469	8.177762	8.209822	8.565865	8.409774	8.519828	8.981577	9.027389	8.929573	6.796141	6.800927	6.64416	6.602898	6.584132	6.523535	6.927356	6.89089	6.94298
HACD3	ENSG00000074696	-0.01807	7.887481	-0.25539	0.801406	0.834693	-7.87326	8.026841	8.088141	8.041778	8.316036	8.284344	8.32531	8.3269	8.323251	8.286247	7.677275	7.681042	7.686442	7.358722	7.41064	7.412622	7.615437	7.592245	7.638329
ZZEF1	ENSG00000074755	0.44528	6.14281	6.44317	5.31E-06	2.30E-05	3.463143	6.213149	6.274494	6.275633	6.745073	6.732159	6.99711	6.623754	6.491623	6.561203	5.781704	5.800031	5.524349	6.045689	5.952125	5.983596	5.687476	5.659306	5.617869
ENO1	ENSG00000074800	-0.05544	11.07823	-0.62299	0.541335	0.602066	-7.89944	11.29871	11.30575	11.28546	11.52058	11.56906	11.47339	11.60865	11.60944	11.60047	10.69234	10.68443	10.58935	10.31717	10.33312	10.31436	11.02986	11.06899	11.12024
MYDGF	ENSG00000074842	0.009096	6.528678	0.121361	0.90479	0.921828	-7.7399	6.869957	6.879841	6.751575	7.076272	7.055276	6.973145	7.557925	7.669853	7.684934	5.831356	5.789058	5.984176	5.626839	5.618361	5.746917	6.300796	6.208188	6.216033
ANO8	ENSG00000074855	-0.00916	3.662969	-0.07138	0.943906	0.953885	-7.26238	4.152058	4.204245	4.174224	3.70135	3.643567	3.678224	3.647218	3.646467	3.721038	3.394446	3.5985	3.70172	3.894617	3.921728	3.939687	3.824254	3.72088	3.432977
TUBE1	ENSG00000074935	-1.01444	3.655702	-5.70763	2.31E-05	8.16E-05	2.457161	4.867751	4.864623	4.831244	3.325575	3.207016	3.643939	4.723921	4.547856	4.396744	3.614613	3.501964	3.625013	3.205461	3.065945	3.308792	3.113899	3.182818	3.050576
ARHGEF10	ENSG00000074964	-0.04191	3.867946	-0.43166	0.671269	0.720709	-7.38899	3.487617	3.335139	3.565652	2.840308	3.531716	2.845893	2.832807	2.702788	2.34318	4.966032	5.024933	4.934378	5.090337	5.043483	4.972896	4.894365	4.755137	4.703543
TXK	ENSG00000074966	-1.34313	1.046356	-3.37929	0.003453	0.006816	-2.00023	2.867343	2.730641	2.641489	1.182548	0.730585	0.984419	2.545421	2.290412	2.408535	1.555182	1.725977	1.126631	1.392977	1.2438	1.639204	0.974502	1.206659	1.461048
ACTR6	ENSG00000075089	-0.01881	5.042997	-0.32068	0.752254	0.793385	-7.55811	5.049495	4.953612	4.925655	4.809518	4.739596	4.824468	4.651903	4.9659	4.626988	5.339908	5.419887	5.396673	5.464835	5.522299	5.410157	5.122419	5.123998	5.243178
TIPIN	ENSG00000075131	-1.44299	4.324998	-13.4069	1.24E-10	3.83E-09	14.67025	5.167074	5.102561	5.116065	4.009923	4.177232	4.194794	4.87074	4.825892	4.837409	4.812964	4.699561	4.771071	3.141522	3.098942	3.042931	4.519164	4.517274	4.433851
SRI	ENSG00000075142	0.210598	5.991689	2.42014	0.026663	0.042389	-5.07074	6.148765	6.253935	6.227583	6.05704	6.066908	6.044692	6.02305	6.053109	6.114173	5.72153	5.71148	5.728007	6.177072	6.292394	6.230242	5.806751	5.775573	5.84102
EIF4G3	ENSG00000075151	0.307013	6.886448	3.039217	0.007234	0.013243	-3.89046	6.986999	7.038046	7.104269	7.569505	7.471818	7.604256	7.880568	7.832359	7.963661	6.312469	6.287085	6.16921	6.322929	6.314805	6.349783	6.329765	6.321123	6.346593
NUP37	ENSG00000075188	-1.03124	4.681185	-9.23375	3.87E-08	3.60E-07	8.797965	6.010678	6.099413	6.115514	4.778495	4.807214	4.662649	5.478019	5.58894	5.439755	4.368817	4.200477	4.453822	3.773284	3.871689	3.740748	4.078031	3.961615	4.022248
SEMA3A	ENSG00000075213	0.580581	7.653948	6.727377	3.07E-06	1.43E-05	3.918984	8.532909	8.497272	8.5181	9.443382	9.243254	9.390578	8.660417	8.729106	8.741451	6.387415	6.372524	6.355404	6.566078	6.634702	6.62543	6.365436	6.427003	6.464943
GTSE1	ENSG00000075218	-1.21586	2.943013	-3.24491	0.004631	0.00888	-2.56776	3.774862	3.39414	3.764544	3.740513	3.734793	3.335661	4.293266	4.256466	4.444269	3.186323	3.223257	3.413246	1.365252	0.837535	1.17005	3.307556	3.366281	3.254409
SEMA3C	ENSG00000075223	0.551933	5.632091	5.322277	5.12E-05	0.000165	1.226926	6.193126	6.216828	6.283758	6.54945	6.584058	6.614431	5.95585	5.943547	5.880784	4.630531	4.602618	4.745417	5.450064	5.487419	5.345877	5.127316	5.16584	5.19777
TTC38	ENSG00000075234	0.35269	4.197524	4.001261	0.000881	0.002026	-1.41213	3.878801	3.812706	3.764544	4.333937	4.392653	4.358792	4.637058	4.569092	4.355908	4.161861	4.260723	4.249986	4.480326	4.398927	4.351192	4.302461	4.423801	4.268007
ACAT1	ENSG00000075239	0.447812	6.466551	2.538213	0.020913	0.034093	-4.8496	7.145613	7.192288	7.052899	8.136221	8.095641	8.178843	7.023954	7.047683	7.075513	5.771565	5.70649	5.693541	5.451713	5.44741	5.424752	5.46375	5.403571	5.464729
GRAMD4	ENSG00000075240	0.086488	3.7212	0.867053	0.397661	0.462849	-6.91185	3.300651	3.57841	3.477724	3.944346	3.820593	3.776446	3.747379	3.592179	3.4839	3.907872	4.008408	3.95997	3.850304	4.028349	3.767168	4.365992	4.216457	4.150354
CELSR1	ENSG00000075275	0.847651	6.513257	5.27799	5.62E-05	0.000179	0.950454	4.327631	4.236845	4.388298	6.020383	6.173243	6.208094	5.167879	5.048863	5.046897	7.516585	7.703756	7.580521	8.073633	7.967463	8.042818	8.163152	8.048781	8.006977
ZNF638	ENSG00000075292	0.117948	7.239459	2.721123	0.014267	0.024243	-4.60457	7.248638	7.231642	7.212082	7.462312	7.369793	7.4737	7.512895	7.547693	7.581575	7.113599	7.076412	6.983424	7.064378	7.117804	7.091142	7.097345	7.132315	7.172398
SLC25A40	ENSG00000075303	-0.55994	4.043861	-4.08349	0.000736	0.001724	-1.12156	4.527427	4.599733	4.579961	4.464421	4.376555	4.518705	4.920629	4.709588	4.872576	4.187508	4.10258	4.071539	3.066031	3.233802	3.147195	3.749992	3.628139	3.761956
TIMM21	ENSG00000075336	-0.85257	4.770472	-15.8742	8.04E-12	5.43E-10	17.39107	5.504227	5.597782	5.530827	4.809518	4.681813	4.839695	5.315037	5.447033	5.22526	4.806358	4.919631	4.735026	3.937609	3.952144	3.951255	4.537676	4.568087	4.546811
ADD2	ENSG00000075340	-1.29983	-0.13325	-3.86776	0.001181	0.002615	-0.82855	4.345883	4.312206	4.574673	3.181227	3.151334	3.119801	4.254886	4.194045	4.011347	0.190076	0.106501	0.230035	0.106501	0.190544	0.106501	0.106501	0.19538	0.214669
RASAL2	ENSG00000075391	-0.0576	6.273916	-0.31997	0.752786	0.793865	-7.75212	6.084999	6.168638	6.198653	5.132645	5.039662	5.268872	5.657922	5.567996	5.602211	6.927511	6.946294	6.857363	7.375322	7.328392	7.47906	6.545438	6.496423	6.64731
VPS9D1	ENSG00000075399	0.929551	3.528617	6.655211	3.52E-06	1.61E-05	4.40809	3.944154	3.96057	4.138828	4.915985	4.888929	4.751204	4.998191	4.547856	4.599264	2.558849	2.485369	2.592986	3.36795	3.462307	3.404467	2.625227	2.552239	2.48622
ZNF37A	ENSG00000075407	0.963869	4.519566	11.31933	1.79E-09	2.93E-08	11.96528	4.265068	4.366251	4.429894	5.359221	5.296516	5.435149	5.701383	5.682848	5.646906	3.303547	3.811781	3.254982	4.131114	4.344933	4.237689	4.489042	4.508628	4.4056
MARK3	ENSG00000075413	-0.06901	6.726545	-1.69353	0.1081	0.147683	-6.4308	6.564394	6.557339	6.451827	6.352868	6.325656	6.35309	6.499996	6.531837	6.462714	6.978353	6.954735	7.101374	7.024498	7.042767	7.016021	7.052993	6.998236	7.06631
SLC25A3	ENSG00000075415	0.036711	8.699462	1.287223	0.214803	0.269482	-7.12091	9.200157	9.253448	9.206556	9.253948	9.224827	9.209999	9.26084	9.342312	9.33456	8.130303	8.085137	8.122113	8.180652	8.172863	8.17788	8.211802	8.141174	8.151351
FNDC3B	ENSG00000075420	1.01489	7.301972	23.25211	1.36E-14	6.48E-12	23.73148	6.962565	6.962086	7.029897	7.869514	7.879202	7.97099	7.531076	7.527946	7.472148	6.683492	6.678858	6.535341	7.730437	7.658106	7.760423	7.087955	7.108911	7.164833
FOSL2	ENSG00000075426	-0.31245	7.679054	-3.22011	0.004888	0.009318	-3.61675	7.852172	7.747077	7.799794	7.273847	7.300026	7.281722	7.605409	7.554807	7.708644	8.043435	8.008484	8.104058	7.954258	7.85727	7.914995	7.466875	7.489445	7.393491
CACNG4	ENSG00000075461	1.045662	-0.83205	2.983938	0.008149	0.014701	-2.61739	3.071243	3.483793	3.419917	4.440838	4.455308	4.130213	2.480375	2.220554	2.560038	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
FRYL	ENSG00000075539	0.241873	6.274654	2.423957	0.026456	0.042107	-5.12452	5.670345	5.687786	5.613091	6.333788	6.140251	6.435578	5.78793	5.663233	5.519576	6.787781	6.885778	6.609028	6.668172	6.721134	6.793104	6.604581	6.664436	6.722526
TMEM131	ENSG00000075568	0.100597	6.509453	1.224986	0.236834	0.293835	-7.02859	6.544776	6.643756	6.667134	6.980014	6.910452	7.009506	6.753301	6.652807	6.638151	6.271086	6.349235	6.228745	6.188983	6.142196	6.130742	6.478985	6.453147	6.426093
FSCN1	ENSG00000075618	0.242013	7.816283	1.943035	0.068297	0.098279	-6.11826	7.618174	7.643283	7.799794	7.573125	7.737496	7.513806	7.400917	7.336889	7.439296	7.574107	7.654082	7.848241	8.216491	8.173186	8.225102	8.476459	8.375863	8.208886
ACTB	ENSG00000075624	-0.07316	11.10102	-1.5251	0.145124	0.191124	-6.95963	11.40313	11.38937	11.42244	11.1799	11.23011	11.12002	11.39048	11.27478	11.39423	10.85732	10.74338	10.80727	10.85614	10.89442	10.88915	10.96196	10.99572	11.02096
MOCOS	ENSG00000075643	0.311063	4.820922	3.02851	0.007403	0.01351	-3.58843	4.965424	4.913842	4.954444	5.576799	5.431202	5.556848	5.36994	5.484771	5.489686	4.421642	4.23323	4.159641	4.275881	4.200384	4.364231	4.925625	4.787661	4.661156
PLD1	ENSG00000075651	1.151591	4.49112	7.232233	1.19E-06	6.36E-06	5.464763	5.922218	5.971588	5.982065	7.168901	7.085301	7.138236	6.825462	6.781193	6.85441	2.510897	2.604605	2.272125	3.091636	3.301515	3.281558	2.247458	2.006592	2.464474
WDR62	ENSG00000075702	-1.47615	3.815409	-6.31141	6.87E-06	2.87E-05	3.73416	5.023273	4.804995	4.892035	4.199863	4.258538	4.088331	5.093706	5.132077	5.052019	3.87668	4.051023	4.03812	1.711947	1.793303	1.970087	3.854102	3.705831	3.823043
DLG1	ENSG00000075711	0.395903	6.307662	7.346316	9.65E-07	5.32E-06	5.193405	6.094026	6.026697	6.036935	6.684442	6.604936	6.630571	6.53044	6.634457	6.543128	6.035795	6.085314	6.016711	6.237578	6.281656	6.283835	6.357122	6.389822	6.406268
RAB7A	ENSG00000075785	0.059472	8.287816	1.898762	0.074232	0.105803	-6.22342	8.244739	8.214647	8.138138	8.225769	8.162301	8.205535	8.115581	8.083598	8.136365	8.375665	8.353881	8.453709	8.493178	8.51195	8.517398	8.326432	8.374971	8.332957
BCAP29	ENSG00000075790	-0.09607	5.219222	-1.67103	0.112524	0.15281	-6.21554	5.601118	5.627592	5.581801	5.416768	5.442845	5.569081	5.643139	5.746369	5.770134	4.974897	5.038233	4.95467	4.843945	4.959137	4.961501	4.859472	4.887736	4.802199
SEC31B	ENSG00000075826	0.825934	1.14459	4.152245	0.000633	0.001507	-0.42105	1.894617	1.631689	2.109199	2.81607	2.787348	2.719893	1.917967	1.605065	1.962896	1.704765	1.55885	1.188864	1.818016	1.622273	1.722572	0.974502	0.69947	0.93723
SART3	ENSG00000075856	-0.35639	6.630002	-9.64223	2.04E-08	2.12E-07	9.141013	6.804375	6.741282	6.740992	6.305774	6.331931	6.361906	6.579794	6.558627	6.557606	6.826657	6.877662	6.831992	6.545381	6.554701	6.564596	6.876634	6.744856	6.807033
EXOSC7	ENSG00000075914	-0.34224	4.850324	-5.29111	5.47E-05	0.000175	1.2502	4.884496	5.102561	4.994599	4.367681	4.462952	4.427589	4.83866	4.814082	4.889843	5.029806	5.069663	5.083114	4.924518	4.830791	4.894173	5.231053	5.152027	5.236778
KIFAP3	ENSG00000075945	0.169384	5.092044	1.887259	0.075847	0.107885	-5.89957	5.282121	5.185067	5.090354	5.137544	5.162106	5.089421	4.629578	4.889176	4.732845	5.077225	4.997958	5.103452	5.375589	5.359369	5.418515	5.289021	5.198461	5.423057
MKRN2	ENSG00000075975	-0.61071	5.383538	-5.2691	5.72E-05	0.000182	1.126888	5.999192	5.852519	5.830573	4.753186	4.733289	4.884435	5.620676	5.560947	5.660384	5.491736	5.442072	5.582013	5.190502	5.260752	5.403856	5.482982	5.360979	5.448204
MCM6	ENSG00000076003	-0.93444	7.015022	-3.27423	0.004344	0.008385	-3.41389	7.382121	7.300344	7.25652	7.47688	7.360615	7.404561	7.103055	7.204053	7.112756	7.352829	7.357295	7.382965	5.409919	5.522299	5.576251	7.446937	7.404031	7.457501
REXO2	ENSG00000076043	0.050818	4.743868	0.864443	0.399053	0.464394	-7.15198	4.846543	4.872944	4.925655	4.667726	4.917027	4.702062	4.651903	4.62424	4.556652	4.867929	4.86395	4.732417	4.924518	5.003379	5.028559	4.790139	4.683969	4.7174
RBM7	ENSG00000076053	0.049497	4.267429	0.713496	0.484958	0.548325	-7.1842	4.2778	4.287521	4.320409	3.955484	4.213935	4.186878	3.941119	4.080322	4.198517	4.368817	4.467566	4.60982	4.583188	4.67539	4.735974	4.406844	4.460128	4.416967
RBMS2	ENSG00000076067	-0.48192	6.120149	-2.14321	0.046439	0.069507	-5.59344	6.974345	6.918538	6.867476	5.558653	5.407631	5.506852	6.422036	6.461656	6.365259	5.982583	6.017092	5.929407	6.347048	6.300691	6.2804	5.679162	5.832106	5.715459
BAZ2A	ENSG00000076108	0.251612	7.577244	5.16846	7.07E-05	0.000218	0.649021	7.277451	7.277805	7.342267	7.592875	7.652308	7.743666	7.471654	7.359411	7.398658	7.620977	7.666983	7.514847	7.780495	7.740141	7.738057	7.778413	7.799157	7.776558
PTPN23	ENSG00000076201	0.491106	6.059328	6.859417	2.39E-06	1.16E-05	4.26749	5.364998	5.424646	5.426074	6.185579	6.28095	6.077174	5.973684	5.758745	5.972785	6.169215	6.205726	6.187425	6.543836	6.405522	6.450015	6.357122	6.329738	6.367248
MLH1	ENSG00000076242	-0.21035	5.236123	-1.97593	0.064167	0.09304	-5.7609	5.446195	5.355074	5.332045	5.633379	5.4273	5.513197	5.099133	5.103252	4.962367	5.422146	5.397356	5.456399	4.984974	4.944083	4.95577	5.184823	5.398901	5.344873
UNG	ENSG00000076248	-1.30714	6.186759	-9.59474	2.20E-08	2.26E-07	9.119139	6.459339	6.604321	6.446046	5.479843	5.694082	5.651925	5.93476	5.845426	5.709835	6.970987	6.929261	7.067094	5.418375	5.552391	5.433027	6.886055	6.852972	6.82421

FMO4	ENSG00000076258	0.809573	0.020952	4.067657	0.000762	0.001778	-0.46567	1.430644	1.420874	1.088647	2.103714	1.556428	1.422231	1.160105	1.082132	1.01237	0.781331	0.695454	0.683459	1.121891	1.16289	1.320349	0.517985	0.637375	0.497646
KLHL20	ENSG00000076321	-0.4432	5.396847	-8.26064	1.92E-07	1.35E-06	6.971881	5.706108	5.632501	5.547119	5.180897	5.124043	5.191857	5.574674	5.495903	5.629879	5.615934	5.721408	5.619214	5.240955	5.272852	5.191054	5.386197	5.309644	5.33891
RGS11	ENSG00000076344	0.875656	0.988959	2.681452	0.01551	0.026103	-3.37075	2.649532	2.425906	2.37563	2.605941	2.520598	2.557474	2.226405	2.220554	2.588518	0.54782	0.398185	0.54756	1.548989	1.495836	1.639204	1.13872	1.072305	0.872651
SLC46A1	ENSG00000076351	0.50448	5.467874	11.38732	1.63E-09	2.76E-08	11.88307	5.38573	5.275715	5.274496	5.932924	5.853781	5.799394	5.601686	5.636658	5.537947	5.27918	5.150274	5.191584	5.688268	5.579922	5.684176	5.455985	5.322033	5.380146
PLXNA2	ENSG00000076356	-0.56456	3.923087	-3.57872	0.00223	0.004628	-1.96277	6.89909	6.903387	6.863145	6.173706	6.422921	6.370669	5.804633	5.692556	5.732345	2.121457	2.249583	2.120715	1.755315	1.871771	1.695314	1.880661	2.124453	2.119598
SPAG5	ENSG00000076382	-1.06107	4.921199	-3.53131	0.002475	0.005079	-2.44248	5.670345	5.393175	5.449376	5.558653	5.510796	5.316813	6.065248	6.219034	6.111723	4.971948	4.964909	5.035219	2.614772	2.938056	2.730245	5.153958	5.02441	5.12686
ANKRD13A	ENSG00000076513	0.893705	4.453999	5.323436	5.11E-05	0.000165	1.430599	3.443098	3.686213	3.25779	4.674482	4.478119	4.71863	5.173034	5.093515	5.188519	4.247262	4.386688	4.268117	4.957386	5.000472	4.842308	4.60593	4.729324	4.726565
TPD52	ENSG00000076554	-0.47292	7.028061	-12.3164	4.79E-10	1.05E-08	13.00156	7.155994	7.205526	7.1915	6.784644	6.700177	6.679347	6.894185	7.011943	6.88917	7.36861	7.335912	7.320051	6.839787	6.902624	6.867489	7.082922	7.264646	7.217786
ACACB	ENSG00000076555	0.42143	2.220457	1.749736	0.097699	0.135074	-5.27729	3.487617	3.235413	3.322321	4.072648	4.222966	4.138446	3.238915	3.232814	3.104585	1.732907	2.032826	1.839597	1.689764	1.2438	1.423614	1.599785	1.82352	1.273688
TRAF4	ENSG00000076604	-0.30291	7.048232	-5.83315	1.79E-05	6.54E-05	2.10926	7.444147	7.465568	7.532254	7.150845	7.201803	7.142336	7.048002	7.105754	7.05907	7.059763	6.948409	7.008445	6.756863	6.679929	6.728186	6.965457	6.8967	6.879691
PAG1	ENSG00000076641	-0.28777	7.391969	-1.29645	0.211679	0.266008	-7.00042	7.83343	7.784497	7.857003	8.377368	8.244984	8.414025	8.331517	8.397348	8.353135	7.233558	7.365233	7.176729	6.030324	6.082954	6.048312	6.569027	6.565785	6.583172
GPATCH1	ENSG00000076650	0.027543	3.965646	0.473957	0.641397	0.693548	-7.26926	3.572735	3.759847	3.544167	3.70135	3.426184	3.818042	3.788265	3.84524	3.759121	4.408616	4.327249	4.408771	4.410831	4.492955	4.315833	4.511692	4.477953	4.536426
ICAM3	ENSG00000076662	0.404132	2.673025	3.463543	0.002872	0.005791	-2.22191	2.780548	2.308123	2.641489	2.887595	3.31232	3.152687	2.696258	2.960209	2.981126	2.881509	2.561038	2.902498	2.995443	3.020741	2.99902	3.171932	3.009816	2.81313
NT5C2	ENSG00000076685	0.328757	8.165416	4.812944	0.000151	0.000425	-0.14562	8.312431	8.29037	8.270773	8.921197	8.797206	8.873024	8.510674	8.534568	8.581506	7.73233	7.678496	7.689136	7.767977	7.810308	7.769844	7.823996	7.822453	7.888984
MCAM	ENSG00000076706	1.40711	3.384972	8.695479	9.26E-08	7.40E-07	8.181368	5.724825	5.80765	5.99598	7.264921	7.244562	7.263019	6.514283	6.29959	6.359073	0.982259	0.799097	1.158083	1.597456	1.710321	1.456457	0.974502	0.816175	1.416439
GPC4	ENSG00000076716	0.575671	2.522869	7.530891	6.91E-07	4.00E-06	5.848185	0.814199	0.582935	1.028027	1.104644	1.498102	1.367251	1.160105	1.15884	1.38134	4.699893	4.732663	4.791271	5.192476	5.306201	5.29458	4.802439	4.84029	4.865793
MBNL3	ENSG00000076770	0.693451	0.35936	7.441014	8.12E-07	4.60E-06	5.738868	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	4.192583	4.340194	4.201752	4.876225	5.003379	4.964358	4.877024	4.769683	4.910709
CAMSAP3	ENSG00000076826	0.141356	2.615963	1.247255	0.228759	0.284933	-6.60158	1.990546	1.849715	1.78216	1.578054	1.768674	1.123626	0.983587	1.082132	1.01237	4.318634	4.494836	4.676498	4.779762	4.585115	4.785281	4.522885	4.508628	4.305185
RAP1GAP	ENSG00000076864	-0.22508	3.122776	-1.99885	0.061422	0.089497	-5.62719	2.19231	2.125186	2.326135	1.256461	1.2379	1.250575	1.525136	1.001115	0.925731	5.591166	5.40559	5.612134	5.445106	5.558335	5.246096	5.396376	5.35134	5.362617
XAB2	ENSG00000076924	-0.25442	5.868494	-2.62941	0.017298	0.028765	-4.64573	6.22141	6.182094	6.220828	5.608898	5.657909	5.425089	6.051319	5.871301	5.875015	5.858752	5.818649	5.990742	5.988911	5.914003	5.952276	5.85183	5.854454	5.749576
ARHGEF1	ENSG00000076928	-0.37733	6.057601	-4.45245	0.000328	0.000847	-0.77206	6.177924	6.05805	6.212339	5.412733	5.60362	5.418344	5.910274	5.58547	5.693539	6.308968	6.430163	6.509664	6.326528	6.139555	6.287262	6.498016	6.448634	6.428903
STXBP2	ENSG00000076944	0.627003	4.062511	6.952203	2.00E-06	9.98E-06	4.723502	3.373632	3.61855	3.755225	3.921807	3.656958	3.689474	3.507292	3.646467	3.721038	4.295234	4.322908	4.358889	5.166607	5.026432	5.087406	4.442647	4.718118	4.488745
MAP2K7	ENSG00000076984	-0.07909	5.234933	-1.48158	0.156257	0.204012	-6.51863	5.460225	5.337144	5.378308	5.312338	5.317749	5.327654	5.461262	5.376512	5.296047	5.09088	5.221963	5.383428	5.20426	5.198683	5.063622	5.231053	5.203826	5.070394
DGKD	ENSG00000077044	0.583341	7.47768	3.950737	0.000984	0.002233	-1.95884	7.890498	7.817203	7.849906	8.958006	8.938921	8.938431	8.698005	8.59965	8.6439	6.528559	6.521073	6.509664	6.519674	6.412102	6.466232	6.524244	6.54268	6.430305
RARB	ENSG00000077092	0.020775	2.759365	0.158367	0.875983	0.898542	-6.92742	3.682132	3.888531	3.533304	3.766043	3.832443	3.807755	3.66196	3.659726	3.421943	2.47802	2.516115	2.693003	2.491955	2.269709	2.604018	1.970607	1.766644	1.910335
TOP2B	ENSG00000077097	0.161173	6.719412	4.003279	0.000877	0.002019	-1.83577	6.425413	6.515435	6.497256	6.600012	6.463496	6.611477	6.434968	6.41355	6.415803	6.927511	6.99758	6.85016	7.103185	7.141093	7.187824	6.836826	6.857234	6.928161
TM9SF3	ENSG00000077147	0.25476	8.180865	3.662323	0.001856	0.003939	-2.67969	8.186852	8.198186	8.212804	8.432716	8.279482	8.382747	8.611893	8.637419	8.617366	7.822666	7.868439	7.831269	8.149499	8.207316	8.169547	7.893197	7.878471	7.969834
NFKB2	ENSG00000077150	-1.08253	5.959232	-3.31291	0.003992	0.007774	-3.11735	8.258855	8.225653	8.315052	6.342299	6.3361	6.215895	7.529067	7.30876	7.486408	4.545816	4.415514	4.575288	5.086097	5.000472	5.017597	4.469892	4.464605	4.329449
UBE2T	ENSG00000077152	-1.8563	5.110319	-11.0452	2.62E-09	4.01E-08	11.52559	6.012583	6.102954	6.038856	4.863733	4.86605	4.913508	5.740105	5.970398	5.942765	5.66057	5.650429	5.69756	3.24403	3.428092	3.167173	5.308556	5.203826	5.177863
PPP1R12B	ENSG00000077157	0.259307	4.174731	2.268248	0.036249	0.055695	-5.00403	4.145127	4.336476	4.242513	4.510463	4.267295	4.460795	4.681143	4.55497	4.527529	4.192583	4.162112	3.955502	4.386902	4.497087	4.261115	3.818209	3.705831	3.914098
DNAJC10	ENSG00000077232	0.321411	7.508801	6.174601	9.00E-06	3.62E-05	2.790639	7.606866	7.665007	7.635545	8.077532	8.004957	8.088781	8.096038	8.142631	8.151358	6.95465	7.045131	6.910271	7.186243	7.210046	7.151932	7.081661	7.108196	7.196508
GTF3C1	ENSG00000077235	-0.06643	7.028702	-1.36638	0.189143	0.240986	-6.91404	7.388005	7.285617	7.322684	7.170097	7.281774	7.295592	6.98638	6.951234	7.060342	6.949413	6.924255	6.911425	6.891725	6.872725	6.872821	6.932961	6.869947	6.756478
IL4R	ENSG00000077238	-0.17348	5.332799	-1.51006	0.148896	0.195659	-6.48392	5.030813	4.969219	4.822347	5.294904	5.309293	5.334836	5.679816	5.602735	5.660384	5.514206	5.586681	5.509184	5.023176	4.931925	5.006551	5.869475	5.775573	5.745073
USP33	ENSG00000077254	0.061811	6.100937	0.787421	0.441584	0.505951	-7.43517	5.938346	5.852519	5.8172	5.833796	5.757614	5.918911	6.169514	6.271797	6.188155	6.25055	6.2759	6.274307	6.351471	6.407719	6.404456	6.133197	6.160693	6.20296
PAK3	ENSG00000077264	0.726242	1.195464	4.153977	0.00063	0.001502	-0.26571	6.862581	6.945416	6.905885	7.659948	7.55553	7.712298	7.740886	7.718973	7.702956	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SNRPA	ENSG00000077312	-0.97756	5.840782	-9.23469	3.87E-08	3.60E-07	8.591954	6.609156	6.616761	6.65591	5.161789	5.317749	5.230878	6.257073	6.239047	6.323509	5.973766	5.896664	6.036943	5.416688	5.390798	5.31263	5.750728	5.712977	5.722348
EXOSC5	ENSG00000077348	-0.67565	4.926059	-5.78484	1.97E-05	7.11E-05	2.220641	5.0569	4.774231	4.946277	3.342644	3.747367	3.584921	4.215456	4.060466	3.968647	6.108753	5.91264	6.064176	5.657166	5.648392	5.60033	5.763367	5.657352	5.625238
DYNC1I2	ENSG00000077380	0.194213	6.814088	2.977683	0.008259	0.014873	-4.05717	6.871008	6.942455	6.86206	6.793982	6.8196	6.833078	6.55434	6.590132	6.591422	6.770066	6.748484	6.784917	7.205915	7.194228	7.155687	6.666451	6.754944	6.754239
LRCH4	ENSG00000077454	-0.10672	3.149739	-1.34213	0.196731	0.24927	-6.31858	2.668993	2.674627	2.966237	2.457149	2.762786	2.652511	3.137083	2.777669	2.846105	3.926269	3.799336	3.999574	3.752032	3.90938	3.843644	3.917673	3.955266	3.744016
FAM76B	ENSG00000077458	0.363707	3.600745	6.184344	8.83E-06	3.56E-05	3.345247	3.210562	3.042358	3.104764	3.51817	3.441741	3.632327	3.66196	3.578282	3.628063	3.673879	3.805572	3.848714	4.015478	4.132949	4.088533	4.171084	4.283876	4.170642
SIRT6	ENSG00000077463	-0.33116	4.10539	-2.95524	0.008667	0.015516	-3.64424	4.780982	4.522504	4.739702	4.041626	4.020303	3.878271	4.264577	4.009594	4.141991	3.926269	4.23323	4.300188	4.203356	4.154036	4.035179	4.113016	4.017531	4.051715
POLD3	ENSG00000077514	-1.25402	4.89432	-11.5715	1.27E-09	2.28E-08	12.20225	4.871956	4.733688	4.804386	4.132759	4.167908	4.233737	4.454362	4.576102	4.633836	5.966378	5.876072	5.983079	4.43437	4.492955	4.492489	5.667442	5.768349	5.782904
CAPZB	ENSG00000077549	-0.02833	7.573358	-0.58504	0.566001	0.625217	-7.72721	7.546333	7.567129	7.552571	7.355999	7.314886	7.387393	7.333456	7.222041	7.313779	7.763359	7.676796	7.78543	7.897321	7.832142	7.849276	7.685179	7.699645	7.679614
GPR137B	ENSG00000077585	0.974854	1.095842	2.909064	0.009569	0.016975	-2.81916	4.321496	4.249682	4.249168	5.367584	5.034541	5.175948	4.402637	4.405576	4.490278	0.106501	0.259702	0.449284	0.46104	0.484926	0.263213	0.257084	0.358227	0.497646
JADE1	ENSG00000077684	0.686796	5.104227	5.9255	1.48E-05	5.58E-05	2.637864	5.618738	5.493717	5.552509	6.475936	6.463496	6.541808	6.278754	6.361757	6.190479	4.146251	4.200477	4.09204	4.410831	4.303069	4.364231	4.245042	4.07722	4.022248
SLC25A43	ENSG00000077713	0.230481	5.283814	2.934361	0.009064	0.016158	-3.91446	5.633672	5.541478	5.533555	5.525403	5.738846	5.587238	5.506885	5.431657	5.435842	4.81954	4.784095	4.87173	5.196415	5.211312	5.239034	5.338427	5.187669	5.220652
UBE2A	ENSG00000077721	-0.02611	6.904484	-0.64047	0.530174	0.591802	-7.602	7.319619	7.418028	7.244081	7.281613	7.340009	7.30933	7.408586	7.596771	7.532029	6.3852	6.411886	6.461631	6.333699	6.384488	6.440813	6.593122	6.492044	6.564127
FGFR1	ENSG00000077782	-0.14652	3.591468	-0.62529	0.539859	0.600813	-6.54344	7.160298	7.129433	7.223954	6.994936	7.155382	7.060219	6.460489	6.391864	6.40983	1.158593	1.403073	1.305813	0.982856	0.671977	1.08859	1.482378	1.329561	1.504318
SMC1B	ENSG00000077935	-1.33953	0.719066	-9.33362	3.31E-08	3.14E-07	9.165278	0.667115	0.582935	0.512639	0.258133	0.389229	0.106501	0.670238	0.253663	0.39151	4.167027	3.884278	4.046548	2.770846	3.009215	2.846311	3.545669	3.511821	3.498643
FBLN1	ENSG00000077942	0.632436	3.907935	3.322402	0.003911	0.007635	-2.6846	4.584905	4.511888	4.600923	5.346585	5.547207	5.451761	4.908318	4.753535	4.912549	2.749986	2.687979	3.035461	3.066031	3.04352	2.716753	3.651445	3.603991	3.364179
MAP2	ENSG00000078018	0.636992	5.454496	3.03239	0.007341	0.013412	-3.83096	5.240453	5.188404	5.108765	4.857809	4.70778	4.839695	4.751751	4.630987	4.6676	6.032969	6.018435	5.956492	7.128144	7.157501	7.190877	5.122419	5.098298	5.177863
PIAS2	ENSG00000078043	0.06312	3.633927	0.678615	0.506269	0.568405	-6.86843	4.721647	4.629503	4.715879	4.851861	4.522687	4.777799	4.8959	4.866483	4.866774	2.650221	2.935512	2.786535	2.986372	2.913535	2.756856	2.652661	2.726388	2.778299
ARAF	ENSG00000078061	0.281139	6.716641	4.900485	0.000125	0.00036	0.152514	6.652572	6.729875	6.701506	7.171291	7.179939	7.145403	6.989306	6.831855	6.963088	6.520509	6.426122	6.553934	6.648898	6.535747	6.615468	6.501792	6.515967	6.474494
MCCC1	ENSG00000078070	0.276417	3.86316	4.423309	0.00035	0.000895	-0.58018	3.27548	3.100202	2.933559	3.041869	2.926537	3.016392	2.667326	2.825515	2.798137	4.889966	4.919631	4.965822	5.318904	5.24855	5.278599	4.817667	4.847164	4.946447
LAMP3	ENSG00000078081	0.252975	2.256023	3.463966	0.002869	0.005787	-2.45637	0.814199	0.8079	0.679585	0.934951	0.92021	0.830331	1.816207	1.549165	1.171446	4.054455	4.14254	4.12026	4.362569	4.349511	4.302347	5.348947	5.157568	5.353773
NEBL	ENSG00000078114	0.346745	5.540741	3.314095	0.003982	0.007756	-3.21402	5.677569	5.664009	5.656289	5.483695	5.57921	5.640377	4.751751	5.146277	5.18386	5.587318	5.754018	5.658231	6.303887	6.341475	6.305403	5.122419	5.16584	5.305663
ACER3	ENSG00000078124	0.18165	4.763881	1.784613	0.091692	0.127798	-5.97522	4.500523	4.569336	4.195052	4.999073	4.894593	4.983728	5.125963	5.013152	4.973208	4.848768	4.830703	4.909182	4.771865	4.756906	4.807727	4.826728	4.79123	4.934632
UBE2K	ENSG00000078140	-0.34819	7.673127	-8.60826	1.07E-07	8.35E-07	7.361197	8.113287	8.21055	8.102294	7.791635	7.677986	7.785549	8.261859	8.266966	8.205802	7.433818	7.423665	7.417489	7.079386	7.157501	7.126648	7.431181	7.404613	7.362962
PIK3C3	ENSG00000078142	0.469832	5.230687	8.465592	1.36E-07	1.01E-06	7.33737	5.334855	5.158086	5.16263	5.517909	5.503402	5.643273	5.178171	5.155666	4.983968	5.055104	5.160041	5.083114	5.595861	5.717306	5.636606	4.905811	5.054421	5.022829
N4BP2	ENSG00000078177	-0.1977	5.057247	-3.12045	0.006069	0.011315	-3.45699	5.583279	5.685425	5.625931	5.5623	5.49597	5.575159	5.510962	5.646681	5.523269	4.678347	4.905185	4.676498	4.568067	4.455227	4.311352	4.739863	4.656838	4.675424
TIGAR	ENSG00000078237	-0.19024	5.070871	-1.89123	0.075287	0.107167	-5.79087	6.097621	6.160165	6.104547	5.667647	5.641162	5.625812	5.931722	5.789227	5.813006	4.187508	4.353024	4.209279	4.38345	4.501207	4.480563	4.507942	4.362748	4.365096
TULP3	ENSG00000078246	-0.02884	4.669181	-0.46621	0.646823	0.698567	-7.41555	4.772011	4.760843	4.681852	4.714371	4.795153	4.656929	4.283766	4.38177	4.41276	4.848768	4.878812	4.847819	4.779762	4.907298	4.817241	4.811595	4.870969	4.865793
SYNJ2	ENSG00000078269	0.286703	4.950594	5.094815	8.27E-05	0.00025	0.716961	4.29042	4.299916	4.357835	4.272916	4.335505	4.34463	3.788265	3.646467	3.60036	5.839468	5.902494	5.867727	6.201776	6.306589	6.251451	5.650532	5.60153	5.600528
PPP2R5C	ENSG00000078304	0.372752	7.088071	7.245827	1.16E-06	6.23E-06	4.93037	6.933693	6.978566	6.966701	7.370635	7.354464	7.364766	7.570676	7.591592	7.483567	6.700515	6.720706	6.703321	7.006102	7.05823	7.06742	6.895416	7.015122	7.004551
PMS2P1	ENSG00000078319	0.217833	3.916274	3.022171	0.007505	0.013676	-3.44773	4.029438	4.094678	4.02711	4.122913	4.061165	4.121933	4.000319	4.119235	4.189248	3.844798	3.619889	3.743789	4.199436	3.921728	3.996621	4.026533	4.106163	3.999746
GNB1	ENSG00000078369	0.036943	8.256799	1.368534	0.18848	0.240312	-6.98983	8.67413	8.694712	8.658753	8.700225	8.754632	8.704438	8.793979	8.791794	8.782091	7.752661	7.692864	7.761952	7.77754	7.773737	7.746796	7.926591	7.842802	7.885408
HOXA9	ENSG00000078399	-0.07583	-0.82059	-0.4535	0.655766	0.706286	-6.15122	3.572735	3.647938	3.500214	3.605613	3.378481	3.498018	3.457463	3.619579	3.373665	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
EDN1	ENSG00000078401	-0.3883	4.72958	-2.16143	0.044807	0.067355	-5.33992	5.814934	5.507143	5.547119	4.562385	4.301803	4.592471	4.6145	4.511753	4.606245	4.710546	4.55159	4.665597	4.888451	4.820936	4.866948	4.458278	4.629187	4.510131
MLLT10	ENSG00000078403	0.354196	4.791809	6.129348	9.85E-06	3.92E-05	3.035272	4.798758	4.724521	4.844488	5.213737	5.235346	5.265117	4.96291	5.241941	5.202407	4.408616	4.570022	4.527922	4.695993	4.746531	4.810905	4.63373	4.641102	4.698895
ZCWPW1	ENSG00000078487	-1.02517	1.031648	-6.55896	4.24E-06	1.89E-05	4.42048	1.791852	1.374745	1.62731	0.841981	1.006428	0.563119	0.670238	0.915275	1.171446	2.605258	2.701418	2.806521	1.935792	1.897007	2.23906	2.229352	2.212266	2.326628
NRDC	ENSG00000078618	0.477735	7.241941	5.8364	1.77E-05	6.52E-05	2.118622	7.398972	7.382044	7.294813	8.143544	8.044339	8.163797	7.919429	7.955735	7.860147	6.600965	6.647957	6.609739	6.725177	6.836498	6.814638	6.749792	6.694287	6.705246
VDAC3	ENSG00000078668	-0.06344	6.899653	-1.28071	0.217029	0.271988	-7.00384	6.841296	6.922552	6.865312	6.79243	6.695318	6.746863	7.207231	7.290763	7.267189	6.781058	6.815678	6.831992	6.782638	6.815972	6.811468	6.984474	6.949559	7.017676
PCM1	ENSG00000078674	0.229736	6.07013	3.703919	0.001694	0.00362	-2.40447	6.411038	6.444632	6.463319	6.638531	6.642445	6.733338	5.958837	5.954347	5.983548	5.694953	5.862677	5.776944	6.011444	5.993658	6.005955	5.664076	5.686391	5.745073
TNRC6C	ENSG00000078687	1.024548	2.731254	5.364207	4.69E-05	0.000153	1.92527	2.27083	2.356396	2.446827	3.727576	3.796595	3.765857	3.976929	3.535768	3.668646	2.444376	2.531245	2.30059	2.738794	2.901116	2.647333	2.744769	2.934355	2.464474
CBFA2T2	ENSG00000078699	0.350223	4.413571	4.185046	0.000589	0.001415	-1.11704	4.2778	4.094678	4.080323	4.619522	4.7142	4.685302	3.828023	3.749274	3.935772	4.663802	4.86395	4.548836	4.91976	4.965115	4.888167	4.752597	4.49993	4.632189
ITCH	ENSG00000078747	-0.22232	7.034716	-5.7945	1.93E-05	6.99E-05	2.016488	6.693532	6.647398	6.65591	6.605325	6.461589	6.548001	6.792347	6.814177	6.735283	7.545633	7.557162	7.531079	7.234929	7.262566	7.26459	7.455237	7.461718	7.569966
TP53INP2	ENSG00000078804	1.397399	5.162321	8.571291	1.14E-07	8.74E-07	7.554685	4.595114	4.47956	4.636889	6.61238	6.568199	6.642197	5.043928	5.160337	5.22526	4.782995	4.799799	4.803754	5.516163	5.558335	5.538404	4.545014	4.656838	4.577525
SDF4	ENSG00000078808	0.621035	7.671256	9.618364	2.12E-08	2.19E-07	9.032691	7.684815	7.725989	7.741993	8.451032	8.541954	8.419525	7.75814	7.766475	7.872505	7.101508	7.06606	7.191529	7.669045	7.585747	7.569094	7.420248	7.420256	7.233943
TOLLIP	ENSG00000078902	0.34871	5.952434	6.199945	8.56E-06	3.47E-05	2.978524	5.761547	5.718121	5.69823	6.252583	6.289573	6.140024	6.079044	6.085402	6.11662	5.884069	5.778001	5.883102	6.086587	6.018303	6.078955	5.998026	5.883166	5.826176
UBE2D4	ENSG00000078967	-0.73278	4.46479	-8.42032	1.47E-07	1.08E-06	7.423485	5.132445	5.073976	5.079193	4.112999	4.139571	4.279122	4.877071	4.894793	4.895553	4.762664	4.529155	4.679211	4.257146	3.970091	4.109334	4.349322	4.2788	4.177341
THOC1	ENSG00000079134	-0.41477	4.971504	-5.68785	2.40E-05	8.45E-05	2.053374	5.034569	5.218099	5.258094	4.612502	4.335505	4.639633	4.659269	4.753535	4.776822	5.382723	5.240494	5.381764	5.109264	5.068687	5.060955	5.228777	5.31213	5.274758
FKBP7	ENSG00000079150	0.713617	2.925189	4.922534	0.000119	0.000346	0.877061	2.483604	2.308123	2.5366	3.674639	3.560502	3.548316	3.072345	2.960209	3.306673	3.134522	3.055486	2.974933	3.395624	3.152313	3.462206	2.979529	3.104657	3.387478
OSBPL6	ENSG00000079156	0.147406	3.159513	0.724546	0.478318	0.541808	-6.73392	4.158957	4.136747	4.138828	4.199863	3.796595	4.271657	4.479546	4.436718	4.372382	2.427256	2.303453	2.638296	2.852992	3.263212	2.544166	1.970607	2.410923	2.003758
XRCC5	ENSG00000079246	-0.10602	9.139024	-3.56132	0.002317	0.00479	-2.97602	9.08942	9.101528	9.043142	8.960773	8.869443	8.939904	8.936062	8.997025	8.890075	9.405781	9.362122	9.361898	9.284732	9.328825	9.325264	9.206724	9.229529	9.218084
LXN	ENSG00000079257	0.580095	4.3431	7.506297	7.22E-07	4.14E-06	5.894232	5.496078	5.407565	5.443586	5.932924	6.147385	5.979739	5.527156	5.339915	5.581106	3.206534	2.946841	3.187996	3.563615	3.745389	3.586098	3.063688	2.972579	2.880366
SP140	ENSG00000079263	-2.43237	0.096584	-6.23166	8.04E-06	3.29E-05	3.860813	1.959273	2.068355	1.921989	1.104644	0.512209	0.2349	1.317361	1.85606	2.005764	1.352446	1.588084	1.653508	0.945898	0.416769	0.470356	0.884806	0.816175	0.659518
MKNK1	ENSG00000079277	0.206008	4.363617	1.464205	0.160893	0.209259	-6.34367	4.776503	4.649014	4.611291	4.350907	4.439897	4.434292	4.7858	4.866483	4.962367	4.026306	3.958911	4.071539	4.612964	4.565575	4.610269	3.994729	4.041704	4.094818
REXO1	ENSG00000079313	-0.31902	5.178793	-4.032	0.000824	0.001907	-1.56457	5.282121	5.253581	5.396406	4.626508	4.905853	4.745826	5.082792	4.911516	4.929347	5.387157	5.409689	5.636065	5.331496	5.361637	5.287753	5.647126	5.384796	5.383047
SAR1A	ENSG00000079332	-0.17767	7.050268	-2.54347	0.020687	0.033755	-4.92461	7.514414	7.518237	7.424673	7.578538	7.483139	7.597553	7.666994	7.678836	7.671684	6.679883	6.724002	6.779872	6.309353	6.360876	6.225486	6.638423	6.619973	6.649721
CDC14A	ENSG00000079335	-0.14137	2.640661	-1.46325	0.161151	0.20951	-5.97958	2.867343	2.655462	2.5366	2.518519	2.193078	2.455733	2.724622	2.676938	2.697131	3.186323	3.126946	3.254982	3.100071	3.301515	3.075009	2.968656	3.022017	3.254409
RAPGEF3	ENSG00000079337	-0.28834	3.633143	-1.63177	0.120613	0.162833	-5.97469	4.186225	3.991467	4.242513	3.123142	3.053471	3.016392	3.423261	3.633086	3.254305	3.901688	3.836353	3.641797	4.002038	3.896925	3.945482	4.21775	4.151298	4.044405
CEACAM1	ENSG00000079385	-0.47667	4.584814	-8.54806	1.18E-07	9.04E-07	7.505569	3.87042	3.863696	3.81026	3.041869	3.225109	3.168853	3.66196	3.415864	3.783962	6.025878	6.021117	6.032707	5.576346	5.670512	5.633019	5.682493	5.784554	5.736026
SENP1	ENSG00000079387	-0.4013	5.323662	-8.71685	8.94E-08	7.19E-07	7.782343	5.572986	5.564777	5.446484	5.222985	5.1432	4.979151	5.527156	5.623184	5.54523	5.373815	5.411735	5.413061	5.005325	5.085249	5.012085	5.461813	5.502682	5.605504
CIC	ENSG00000079432	0.504027	6.03589	10.15205	9.46E-09	1.13E-07	10.00295	5.926267	5.971588	6.18657	6.502759	6.539568	6.515184	6.100847	6.027768	6.185827	5.593087	5.726347	5.769327	6.242349	6.235415	6.119251	5.835464	5.876461	5.706224
LIPE	ENSG00000079435	-0.42859	-0.42886	-2.37434	0.02927	0.045999	-4.27645	0.216396	0.316291	0.106501	0.106501	0.106501	0.106501	0.269385	0.253663	0.106501	3.024981	2.841532	2.902498	2.770846	2.671787	2.399663	2.855159	3.287607	2.81313
FDFT1	ENSG00000079459	-0.51135	6.397461	-14.8062	2.51E-11	1.18E-09	16.09628	6.859408	6.89115	6.831347	6.371699	6.432686	6.3209	6.378072	6.389876	6.357005	6.627441	6.562166	6.648318	6.119114	6.031182	6.125647	6.222865	6.178517	6.12886
PAFAH1B3	ENSG00000079462	0.079276	5.117252	1.066982	0.300497	0.362465	-7.05038	4.925527	4.751848	4.892035	4.555081	4.928114	4.751204	4.986526	4.482206	4.813478	5.540318	5.463921	5.560106	5.786914	5.606937	5.696257	5.394346	5.467424	5.299535
OPHN1	ENSG00000079482	0.424358	3.296859	3.598109	0.002137	0.004462	-2.14515	3.27548	3.07157	3.309643	3.083078	3.151334	3.152687	3.219115	3.141256	3.023464	3.560679	3.478738	3.549937	4.135224	4.1851	4.124741	3.374993	3.32748	3.856822
KIF22	ENSG00000079616	-0.89709	6.004982	-6.83124	2.52E-06	1.21E-05	4.279149	6.778853	6.69393	6.695428	6.266066	6.411116	6.172458	6.610516	6.487911	6.584368	6.143238	5.942657	6.044325	4.709837	4.743056	4.677975	5.881119	5.919494	5.798197
CARMIL1	ENSG00000079691	0.158343	3.881439	1.678698	0.110999	0.151086	-6.05824	3.765853	3.516026	3.638424	3.472378	3.34578	3.016392	3.238915	3.214961	3.044176	4.557665	4.555295	4.463295	4.848959	4.797675	4.938437	4.46216	4.437531	4.504815
PGM1	ENSG00000079739	0.497249	5.567407	4.734406	0.000178	0.000493	-0.05893	5.343965	5.227863	5.290713	6.13993	6.051781	6.176461	5.574674	5.733887	5.677057	5.1779	5.355466	5.29777	5.44345	5.544428	5.465657	5.764939	5.793479	5.726921
DDX1	ENSG00000079785	-0.29825	7.738825	-10.5178	5.53E-09	7.38E-08	10.42521	8.23824	8.275148	8.225936	7.904419	7.874911	7.921757	8.037183	8.071868	8.0144	7.602983	7.5567	7.564839	7.337477	7.303837	7.334167	7.389495	7.393503	7.381211
DNM2	ENSG00000079805	-0.19813	7.199063	-3.05039	0.007062	0.01296	-3.93059	6.970429	6.908455	7.006522	6.975918	7.090245	6.873095	7.324218	7.213075	7.294459	7.481767	7.442795	7.548985	7.185252	7.05823	7.104802	7.455724	7.409846	7.423387
EPB41L2	ENSG00000079819	0.051152	0.827215	0.144754	0.886561	0.907133	-6.30021	5.367978	5.349122	5.328907	5.312338	5.313527	5.363212	4.96291	5.160337	5.2343	0.106501	0.185134	0.106501	0.234608	0.190544	0.186984	0.183756	0.19538	0.409347
MOXD1	ENSG00000079931	0.768657	0.632069	4.253802	0.000507	0.001241	-0.32607	0.503316	0.582935	0.756332	1.326771	1.087782	1.055701	0.415731	0.387194	0.515351	2.01088	1.945166	2.120715	2.579013	2.581279	2.513282	2.679583	2.601856	2.350536
STX7	ENSG00000079950	0.460962	4.401231	4.941559	0.000114	0.000334	0.598708	4.574623	4.706012	4.781616	4.720913	4.982309	4.745826	4.552561	4.504423	4.467457	3.901688	4.14254	3.92383	4.682014	4.693507	4.691833	4.057652	4.151298	4.216898
RABL2B	ENSG00000079974	-0.09804	4.416638	-0.70484	0.490198	0.553065	-7.23835	4.816318	4.843609	4.840087	4.092964	3.867423	4.096805	4.045989	4.050434	4.011347	4.782995	4.602618	4.606974	4.989521	4.988782	4.964358	4.293774	4.423801	4.45054
KEAP1	ENSG00000079999	-0.45687	6.408548	-7.1207	1.46E-06	7.59E-06	4.778785	7.168012	7.121599	7.171496	6.426761	6.555743	6.518342	7.112476	7.199521	7.12131	6.023031	5.929869	6.020994	5.78168	5.727893	5.74193	6.03498	6.053325	5.983532
DDX43	ENSG00000080007	-0.30663	-0.66457	-3.08027	0.00662	0.012247	-2.99014	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.265521	3.313538	3.532043	3.057395	3.077028	2.99902	2.935534	2.841019	2.990979
PTPRH	ENSG00000080031	-0.63126	4.241689	-8.42451	1.45E-07	1.08E-06	7.524823	5.741006	5.488312	5.503257	5.16659	4.992907	5.024275	5.099133	5.048863	5.179186	3.818776	3.919204	3.829308	3.181815	3.065945	3.116699	3.254827	3.32748	3.31642
SLC35C2	ENSG00000080189	0.205996	6.490441	4.926556	0.000118	0.000343	0.218172	6.374462	6.347962	6.340946	6.4407	6.495526	6.566424	6.351036	6.387886	6.437493	6.508349	6.574087	6.530843	6.85793	6.714052	6.775317	6.470338	6.422408	6.53051
CRYBG3	ENSG00000080200	0.029759	4.789645	0.309591	0.760532	0.800907	-7.50792	4.484137	4.50655	4.636889	4.96641	4.877535	4.951383	4.384974	4.569092	4.339245	5.120474	5.23819	5.003104	4.873768	5.006281	4.932613	5.039116	5.030462	5.223892
EPHA6	ENSG00000080224	0.054399	0.320316	0.1885	0.852656	0.878119	-6.42578	1.561356	1.551021	1.706811	1.326771	1.2379	1.367251	1.317361	1.301009	0.515351	1.028404	1.152172	0.76743	1.154653	1.393161	1.129895	0.974502	1.118494	1.322858
RFX3	ENSG00000080298	0.549558	2.560066	5.623719	2.74E-05	9.48E-05	2.264677	1.959273	1.780637	1.987129	2.359902	2.333126	2.697781	1.762502	1.367163	1.777424	3.576295	3.5985	3.373604	4.037603	4.005327	3.880413	3.678389	3.431768	3.621636
RIF1	ENSG00000080345	-0.48742	6.931078	-10.2784	7.85E-09	9.72E-08	10.11208	6.995695	6.898301	6.968719	6.576757	6.618689	6.670859	6.912793	6.968652	6.927299	7.289697	7.310924	7.210405	6.602898	6.725543	6.668992	7.230748	7.212363	7.192379
RAB21	ENSG00000080371	0.259984	6.159543	4.919876	0.00012	0.000347	0.274804	6.332364	6.390602	6.37633	6.8048	6.725819	6.782758	6.53044	6.696885	6.644947	5.735507	5.691415	5.690855	5.722816	5.850833	5.866291	5.848869	5.768349	5.802537
SLC4A4	ENSG00000080493	0.368774	1.613725	2.649065	0.016601	0.027712	-3.90191	0.742531	1.173893	0.898566	1.393812	1.612488	1.575618	1.459147	1.082132	1.01237	3.145032	3.232543	3.125724	3.108457	3.487446	3.509921	2.719047	2.784842	2.687355
SMARCA2	ENSG00000080503	0.650603	4.882615	6.85105	2.42E-06	1.17E-05	4.467447	4.825019	4.872944	4.966609	5.938549	5.726197	5.852905	5.213624	5.368459	5.283036	4.412971	4.403231	4.518865	4.728999	4.760348	4.742646	4.365992	4.428393	4.428245
SESN1	ENSG00000080546	-0.45869	3.703152	-4.34678	0.000413	0.001035	-0.3905	5.446195	5.331118	5.396406	4.88719	4.807214	4.751204	5.038289	4.917048	4.934903	2.843296	2.741	2.522234	2.638129	2.770668	2.416453	2.652661	2.649824	2.687355
MID2	ENSG00000080561	0.359628	0.436744	2.835687	0.011191	0.019496	-3.50422	0.216396	0.316291	0.219246	0.635873	0.389229	0.563119	0.269385	0.253663	0.39151	3.145032	2.946841	3.218152	3.416036	3.152313	3.396027	2.957699	2.813204	3.121769
SRCAP	ENSG00000080603	0.092951	2.955815	0.801472	0.43362	0.498189	-6.72305	3.236881	2.982098	3.309643	3.273122	3.093416	3.26222	3.352323	3.122225	3.513908	2.990428	3.175905	2.86487	3.18974	2.913535	3.206318	3.200096	2.680939	3.121769
PUM3	ENSG00000080608	-0.65118	6.91467	-5.13223	7.64E-05	0.000234	0.616507	7.03466	7.083567	7.020203	5.704425	5.791399	5.770552	6.341911	6.385893	6.495043	7.589098	7.535284	7.623405	7.390015	7.36559	7.35772	7.388475	7.402282	7.431116
CNOT4	ENSG00000080802	0.102719	4.893873	1.623717	0.122333	0.1649	-6.22173	5.015692	5.116644	5.002498	5.041505	4.966263	4.992837	5.356409	5.400404	5.515873	4.525848	4.51019	4.640764	4.739835	4.817636	4.788509	4.790139	4.867593	4.906683
PSEN1	ENSG00000080815	0.53967	6.704412	9.430441	2.84E-08	2.77E-07	8.783444	6.194805	6.022963	6.069258	6.585745	6.484302	6.566424	6.404611	6.363784	6.57728	6.797807	6.853036	6.861548	7.45393	7.426433	7.41419	6.940632	6.938337	6.991305
CPOX	ENSG00000080819	-0.11427	4.624075	-0.67258	0.510011	0.571976	-7.25147	4.625314	4.564207	4.569365	5.132645	5.199191	5.183924	4.583863	4.59693	4.520155	4.809665	4.732663	4.869357	4.272153	4.127629	4.150058	4.847651	4.769683	4.771534
CLDND1	ENSG00000080822	-0.2153	5.9571	-3.04003	0.007221	0.013225	-3.82512	5.85584	5.942235	5.882858	6.044055	5.927456	5.956646	5.904087	5.868449	5.745052	6.328695	6.272527	6.227819	5.82303	5.884342	5.822871	6.038884	6.056295	6.077854
MOK	ENSG00000080823	-0.20549	4.616499	-0.71614	0.483365	0.546788	-7.13477	5.786261	5.668796	5.722344	4.759555	4.675247	4.633822	5.784566	5.689327	5.81602	3.651939	3.612795	3.674791	4.580176	4.525683	4.56581	3.7814	3.675254	3.761956
HSP90AA1	ENSG00000080824	0.137072	11.31398	2.910843	0.009532	0.016912	-4.48583	10.90593	10.88501	10.84235	11.23486	11.11353	11.19428	11.23365	11.3095	11.20795	11.49523	11.45103	11.39313	11.40785	11.45359	11.45115	11.65993	11.66234	11.76111
RBL1	ENSG00000080839	-1.23769	4.35731	-4.52715	0.000279	0.000733	-0.22519	4.909255	4.796272	4.76778	4.626508	4.739596	4.55606	4.330652	4.533523	4.626988	4.877414	4.908086	4.737631	2.842976	2.962168	2.976553	4.999601	4.780497	4.958165
DLGAP4	ENSG00000080845	0.111179	6.391478	0.81677	0.425053	0.490165	-7.44205	7.016734	6.897281	7.074604	6.512219	6.741617	6.608517	6.247331	6.100066	6.359073	5.8825	5.935567	6.085804	6.573669	6.491907	6.523535	6.071011	6.153779	6.099179
NDC80	ENSG00000080986	-1.70019	3.012965	-8.28895	1.83E-07	1.30E-06	7.47661	4.02189	3.952741	3.783005	3.020814	2.686486	3.27721	3.841036	3.809996	3.913431	3.496465	3.447177	3.658388	1.446877	1.846087	1.610309	3.298901	3.603991	3.398988
AP4E1	ENSG00000081014	-0.30168	5.235195	-4.39922	0.000369	0.000937	-0.71906	5.675165	5.675946	5.68602	5.464331	5.48099	5.619944	5.81126	5.730749	5.667077	5.066207	5.270107	5.121514	4.750591	4.679032	4.719156	4.862412	4.736746	4.950363
RSBN1	ENSG00000081019	0.012465	3.674572	0.181977	0.857694	0.882667	-7.30186	3.701161	3.450822	3.586821	3.51817	3.47236	3.306732	3.602068	3.40015	3.453254	4.092963	4.112675	4.021115	4.093589	4.132949	4.27038	4.103106	4.017531	3.87342
MAGI3	ENSG00000081026	0.314545	3.837349	1.299008	0.210817	0.26509	-6.57149	2.668993	2.693541	2.492412	4.487626	4.43213	4.493254	3.050103	2.848856	2.959482	4.839091	4.908086	4.581101	4.524863	4.53375	4.398437	4.382472	4.428393	4.551975
CXCL2	ENSG00000081041	-2.05741	3.8672	-6.83029	2.52E-06	1.21E-05	4.875037	7.170574	7.157802	7.181097	5.112883	4.933626	5.00189	7.818598	7.726868	7.838819	1.891119	1.967585	1.986992	1.548989	1.393161	1.355599	1.542275	1.581179	1.844513

COL4A4	ENSG00000081052	2.750237	2.044895	8.123164	2.43E-07	1.65E-06	7.238465	2.392887	2.448351	2.274882	3.977507	4.204846	4.256608	3.004565	2.650616	2.937508	0.934589	0.89579	0.846782	3.773284	3.629721	3.773698	0.930351	1.072305	1.461048
TCF7	ENSG00000081059	0.78284	1.531335	4.003854	0.000876	0.002017	-0.74611	1.642349	1.915637	1.667608	2.887595	2.633282	2.741673	2.545421	2.481727	2.501332	1.239286	1.403073	1.585733	1.573426	1.738515	1.390007	1.992244	2.006592	2.14716
OSTM1	ENSG00000081087	1.064333	5.278799	7.813595	4.17E-07	2.60E-06	6.270627	5.246942	5.430295	5.325763	6.826196	6.688814	6.663747	6.52843	6.517343	6.427674	4.217694	4.228596	4.249986	4.750591	4.668079	4.752597	4.469892	4.49993	4.365096
CDH7	ENSG00000081138	1.513252	0.175173	6.251314	7.73E-06	3.18E-05	3.893581	4.321496	4.553894	4.453135	6.041444	5.8095	6.020397	5.310366	5.241941	5.416114	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
PCNP	ENSG00000081154	-0.05209	7.067994	-1.55682	0.137434	0.182328	-6.6575	6.906282	6.844314	6.856623	6.902998	6.869341	6.853225	7.108446	7.132154	7.123745	7.234174	7.168802	7.18391	7.058439	7.079741	7.149424	7.288181	7.360251	7.304492
EXD2	ENSG00000081177	0.597031	4.714367	10.36012	6.96E-09	8.80E-08	10.4575	4.271448	4.14364	4.102541	4.569652	4.580048	4.549901	4.384974	4.256466	4.270596	4.803043	4.887657	4.781207	5.458289	5.591562	5.420597	5.258097	5.334317	5.252725
ARG2	ENSG00000081181	0.226998	-0.11883	0.843645	0.410266	0.475229	-6.00924	0.41387	0.499412	0.829201	0.742604	0.828511	0.657796	1.160105	1.082132	1.314712	1.158593	0.748206	1.49011	1.186687	1.077171	1.08859	1.45147	1.289746	1.115245
MEF2C	ENSG00000081189	0.468401	3.708394	1.775496	0.09323	0.129752	-5.64727	4.522086	4.468622	4.339244	4.797189	4.726954	4.604407	5.082792	5.018308	5.005251	3.113269	3.044983	2.93917	3.730461	3.599295	3.81227	2.115663	2.233409	2.200755
UBA5	ENSG00000081307	-0.175	5.221179	-2.14446	0.046325	0.069366	-5.44975	5.256622	5.303682	5.396406	5.540275	5.431202	5.408166	5.360933	5.306587	5.367637	5.309864	5.342658	5.292465	4.831335	4.919664	4.950015	5.139487	5.304658	5.236778
STK17B	ENSG00000081320	0.691621	4.805656	3.89826	0.001105	0.00247	-1.81493	4.09565	4.12286	3.987862	5.626427	5.582723	5.669075	4.31208	4.45204	4.05282	5.109782	5.12057	5.251133	5.210117	5.379652	5.269387	4.681127	4.714363	4.882289
CDC14B	ENSG00000081377	0.287635	6.206207	1.500395	0.15136	0.198419	-6.63242	6.155679	6.258705	6.280513	6.01507	6.031362	6.129738	6.895745	6.914374	6.8906	5.821561	5.892276	5.862963	6.560741	6.473152	6.552305	5.783672	5.735381	5.832557
ZNF510	ENSG00000081386	0.509708	3.996347	4.843054	0.000141	0.000401	0.47128	3.84498	3.657602	3.565652	4.112999	3.656958	4.036412	4.411387	4.230044	4.3476	3.702624	4.013804	3.867863	4.437701	4.509412	4.468538	4.161567	4.328771	4.249053
LRP2	ENSG00000081479	-0.42535	-1.71457	-1.65761	0.115236	0.156107	-5.16336	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.100009	2.249583	1.333627	1.218025	1.528499	1.488568	1.13872	1.118494	1.504318
ZNF506	ENSG00000081665	0.172657	-0.00097	2.367544	0.029676	0.046576	-4.71953	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.355303	4.427694	4.249986	4.420966	4.67539	4.394205	4.083081	4.227036	4.129778
JMJD4	ENSG00000081692	0.389088	5.507437	7.531806	6.89E-07	4.00E-06	5.654787	5.694285	5.713495	5.643717	6.025677	6.108926	6.000211	5.907184	5.935393	5.822029	4.933056	4.950911	5.158919	5.490727	5.436694	5.323798	5.244639	5.279468	5.070394
DUSP12	ENSG00000081721	-0.30526	5.21327	-5.0434	9.22E-05	0.000276	0.651104	5.163648	5.234335	5.16263	4.815644	4.635214	4.803913	5.300979	5.174263	5.355259	5.491736	5.533197	5.55125	5.284162	5.317927	5.330457	5.580838	5.375316	5.453733
AACS	ENSG00000081760	0.255643	5.795967	2.063595	0.054231	0.079968	-5.67793	5.745596	5.82919	5.925027	6.450574	6.428788	6.530904	5.850398	6.048077	5.897954	5.569872	5.448064	5.509184	5.450064	5.354823	5.424752	5.805224	5.739082	5.81333
DELE1	ENSG00000081791	0.16248	5.92113	2.490968	0.023057	0.037213	-4.88174	6.514168	6.535229	6.566826	6.554953	6.566426	6.538701	6.589465	6.641157	6.582599	5.272006	5.305739	5.093319	5.514586	5.510085	5.598492	5.117505	5.289597	5.274758
CADPS2	ENSG00000081803	0.687475	4.375127	5.555104	3.16E-05	0.000108	1.984716	4.579773	4.336476	4.515184	5.598277	5.270617	5.431804	5.213624	5.388507	5.308941	3.659289	3.805572	3.722908	3.932895	4.005327	4.01878	3.812139	3.743163	3.823043
PCDHGA2	ENSG00000081853	0.933487	2.58919	7.936479	3.36E-07	2.17E-06	6.564863	0.667115	0.316291	0.323815	1.688986	1.437317	0.830331	1.317361	1.491012	1.171446	5.060666	4.97047	4.938912	5.776427	5.842738	5.847842	5.577264	5.51784	5.491856
HSPB11	ENSG00000081870	-0.59219	4.450581	-11.3176	1.80E-09	2.93E-08	11.92106	5.045778	5.081176	4.904734	4.440838	4.462952	4.308605	4.673889	4.569092	4.6676	4.581075	4.709571	4.673781	4.151547	4.190213	4.035179	4.332457	4.25315	4.255399
PHLPP1	ENSG00000081913	0.590317	4.628171	11.41728	1.57E-09	2.67E-08	11.94495	3.738482	3.838426	3.745844	4.122913	4.030628	4.279122	3.296733	3.535768	3.406029	5.593087	5.5776	5.52284	6.204712	6.200368	6.196617	5.18717	5.143675	5.011626
ATP8B1	ENSG00000081923	-0.06968	3.539645	-0.69647	0.495297	0.557977	-7.29949	2.296082	2.37994	1.62731	2.457149	2.787348	2.481849	1.648695	1.549165	1.38134	5.59692	5.601093	5.605019	5.423425	5.432385	5.530714	5.388239	5.319564	5.475641
SMARCD3	ENSG00000082014	1.759769	2.578762	13.93303	6.71E-11	2.44E-09	14.99283	3.682132	3.638208	3.607684	5.156973	5.367468	5.151751	4.709802	4.709588	4.700591	0.781331	0.89579	0.846782	2.25569	2.127698	2.014873	1.627702	1.368306	1.461048
WDR70	ENSG00000082068	-0.00221	4.948524	-0.02407	0.981067	0.984315	-7.63377	4.69816	4.733688	4.600923	4.103016	4.091068	4.154771	4.090259	4.157125	4.270596	5.694953	5.691415	5.660978	5.936886	5.953629	5.846294	5.388239	5.507029	5.45649
FYB1	ENSG00000082074	-0.25307	2.346438	-2.53526	0.021042	0.034283	-4.51149	1.519087	1.374745	1.256574	0.635873	1.164793	0.563119	0.782422	0.915275	0.833554	4.871097	4.884715	4.842989	4.577158	4.671739	4.842308	4.882828	4.962447	5.077574
STRADB	ENSG00000082146	2.672938	4.382554	21.79683	4.07E-14	1.21E-11	22.36924	3.288121	3.568199	3.334887	6.05186	5.913577	5.97515	6.017329	6.121786	6.145661	2.320032	2.405511	2.485514	4.808355	4.732581	4.660464	4.357681	4.38181	4.261717
BZW1	ENSG00000082153	0.046387	8.850957	0.405956	0.689702	0.737591	-7.88522	8.807149	8.840253	8.761527	9.37788	9.244086	9.319044	9.290196	9.334583	9.2632	8.699112	8.685095	8.666354	8.222057	8.315678	8.296562	8.706774	8.713644	8.834172
ME2	ENSG00000082212	-0.32032	5.794124	-4.9477	0.000113	0.00033	0.385303	6.534203	6.519415	6.497256	5.932924	5.96831	6.033699	6.23506	6.239047	6.155213	5.520274	5.508563	5.464284	5.363378	5.412836	5.443303	5.308556	5.319564	5.341895
C5orf22	ENSG00000082213	0.007155	5.793717	0.141118	0.889391	0.909375	-7.70225	5.784032	5.827051	5.774017	5.821673	5.624218	5.735705	5.991301	5.730749	5.657027	5.849142	5.843106	5.91452	5.94861	5.943067	5.903984	5.809801	5.779172	5.830433
CCNT2	ENSG00000082258	-0.05055	5.113873	-0.90673	0.376882	0.441551	-7.16659	5.266237	5.285098	5.372225	5.222985	5.221894	5.345543	5.253102	5.310795	5.179186	5.195703	5.191334	5.039448	5.07758	4.982902	5.171406	4.826728	4.850589	5.026544
FAM135A	ENSG00000082269	0.590813	4.019218	6.140487	9.63E-06	3.84E-05	3.169178	3.623492	3.812706	3.443319	4.384261	4.42432	4.499659	3.774765	3.798055	3.771595	4.146251	4.097507	3.843887	4.457531	4.363157	4.468538	4.46216	4.2788	4.347382
EPB41L3	ENSG00000082397	1.125735	2.619201	3.396716	0.003324	0.006586	-1.84026	8.804952	8.832008	8.820243	10.02908	9.894171	9.917543	10.06585	10.00381	10.02478	0.106501	0.185134	0.106501	0.294634	0.190544	0.106501	0.106501	0.106501	0.106501
COBLL1	ENSG00000082438	-0.12491	4.238086	-0.8223	0.421984	0.48702	-7.09371	4.044416	3.863696	4.174224	4.510463	4.455308	4.78306	3.80164	3.967564	3.913431	4.86157	4.692848	4.635187	4.046359	4.412116	4.20424	4.398766	4.517274	4.422617
DLG3	ENSG00000082458	-0.67364	5.267042	-5.13373	7.61E-05	0.000233	0.777382	5.32262	5.25994	5.328907	4.041626	3.99943	4.146631	4.174919	3.82184	3.856018	6.387415	6.493335	6.343484	6.006965	5.952125	6.025238	6.177547	6.217503	6.123666
KCNK2	ENSG00000082482	2.200186	2.969258	4.581305	0.000248	0.000661	0.25268	2.19231	2.009193	2.166567	5.396478	5.415531	5.425089	4.302704	4.421231	4.339245	2.574485	2.485369	2.756026	2.439743	2.549802	2.382676	2.35157	2.429363	2.091498
SERTAD4	ENSG00000082497	-0.75336	5.531402	-8.70446	9.12E-08	7.31E-07	7.743158	6.315484	6.056225	6.144358	5.232173	5.099733	5.106307	5.708501	5.848324	5.912107	5.550237	5.604673	5.498474	5.132064	5.029288	5.009321	5.609121	5.621715	5.682873
TRAF5	ENSG00000082512	-0.15014	3.242265	-1.42536	0.171669	0.221174	-6.11773	3.738482	3.695626	3.522358	3.181227	3.112982	3.292047	3.523527	3.564249	3.498982	3.08079	3.406729	3.195594	3.381853	3.193633	3.361763	3.581796	3.431768	3.31642
MRPL22	ENSG00000082515	-0.69068	5.222797	-9.00725	5.56E-08	4.85E-07	8.308492	6.061262	5.965765	5.874275	5.117849	5.029402	5.050687	5.847177	5.848324	5.709835	5.088159	5.05665	5.221665	4.63635	4.743056	4.639165	4.96719	4.962447	4.938581
GEMIN5	ENSG00000082516	-0.47118	6.693457	-9.08382	4.92E-08	4.37E-07	8.225199	6.913439	6.950339	6.948417	6.538381	6.53232	6.566424	6.612415	6.584928	6.449188	6.991516	6.998261	6.939979	6.483058	6.393382	6.477276	6.86422	6.753115	6.746376
NFE2L1	ENSG00000082641	0.276361	8.569979	5.289938	5.48E-05	0.000175	0.864492	8.961603	8.940147	8.93741	9.214506	9.267464	9.262023	9.063665	8.994084	9.02383	7.878057	7.842896	7.866801	8.136231	8.101386	8.102071	8.255233	8.257008	8.230789
GSK3B	ENSG00000082701	-0.04178	6.779779	-1.01891	0.322144	0.385409	-7.27491	7.234013	7.233258	7.176741	7.14842	6.999867	7.154564	7.294962	7.325495	7.321223	6.329847	6.385071	6.318473	6.372513	6.357472	6.390715	6.353992	6.415487	6.478568
ITGB5	ENSG00000082781	0.509159	7.968314	2.196471	0.041813	0.063336	-5.64214	8.281947	8.300044	8.305506	9.423716	9.530578	9.419368	8.5812	8.651175	8.606527	7.019632	6.967306	7.008984	6.822688	6.742175	6.756484	7.739762	7.705331	7.697784
ERC1	ENSG00000082805	0.347174	5.871635	5.171661	7.03E-05	0.000217	0.920931	6.825124	6.844314	6.912188	7.343335	7.215443	7.40797	6.992225	6.997657	6.990026	4.86157	4.768219	4.679211	4.980412	4.804359	4.929692	4.522885	4.680124	4.551975
XPO1	ENSG00000082898	-0.06666	7.715309	-0.77969	0.446002	0.510111	-7.60051	7.338732	7.333883	7.306026	7.646265	7.531195	7.64816	7.376546	7.515237	7.343327	8.164606	8.127443	8.065962	7.807143	7.735339	7.763296	8.105998	8.088483	8.108177
RNF13	ENSG00000082996	0.909905	5.2946	17.39332	1.78E-12	1.75E-10	18.87323	4.85081	4.629503	4.777019	5.704425	5.63102	5.578188	5.494585	5.392484	5.512161	4.877414	5.024933	4.830842	5.79343	5.777993	5.80545	5.507606	5.398901	5.417409
PALB2	ENSG00000083093	-0.55418	4.9273	-6.99336	1.85E-06	9.33E-06	4.70503	5.482394	5.208268	5.402389	4.502891	4.56592	4.518705	4.825625	4.987092	4.872576	5.162464	5.169742	5.202938	4.876225	4.78759	4.879111	5.085149	5.106916	4.938581
DOP1A	ENSG00000083097	0.236138	3.8743	2.331413	0.031927	0.049748	-4.87245	3.729242	3.647938	3.334887	3.661095	3.531716	3.75519	4.164604	3.550079	3.759121	4.103779	4.403231	4.083875	4.437701	4.472117	4.519937	4.021281	4.227036	4.157149
LYRM2	ENSG00000083099	0.644151	5.617652	10.2935	7.67E-09	9.55E-08	10.29579	5.578142	5.607787	5.489272	6.346536	6.214581	6.261836	6.300115	6.265306	6.291384	4.971948	4.953722	4.965822	5.456648	5.472807	5.578118	5.212738	5.419802	5.305663
BCKDHB	ENSG00000083123	0.469497	3.986838	5.399767	4.36E-05	0.000143	1.718551	4.410898	4.548709	4.370098	4.87551	4.84865	4.740428	4.779054	4.459641	4.7071	3.512789	3.398501	3.290894	3.884887	3.846002	3.974116	3.366734	3.307681	3.241681
KAT6A	ENSG00000083168	-0.3191	6.515938	-6.64707	3.58E-06	1.64E-05	3.789262	5.952311	6.004148	6.013674	5.650615	5.651233	5.660525	5.95585	5.940834	6.046494	7.423063	7.439791	7.306518	7.051388	7.100256	7.084592	7.105433	7.139333	7.084245
TUT7	ENSG00000083223	0.48878	5.316382	11.45483	1.49E-09	2.57E-08	11.97103	4.871956	4.988492	5.090354	5.400559	5.338674	5.441817	4.938902	4.928048	5.015776	5.402569	5.471785	5.378429	5.925066	6.011098	5.870866	5.43836	5.438129	5.425873
ULK2	ENSG00000083290	-0.47357	4.031935	-5.45852	3.86E-05	0.000129	1.937224	5.840904	5.783578	5.724733	5.312338	5.484749	5.431804	5.29153	5.372491	5.238799	3.113269	3.146729	3.203153	2.466086	2.467968	2.675503	2.731965	2.813204	2.880366
GRHL2	ENSG00000083307	0.503385	1.309641	6.710048	3.17E-06	1.47E-05	4.086223	0.106501	0.215206	0.323815	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	6.265076	6.189128	6.211047	6.779359	6.728182	6.754835	6.345611	6.438428	6.394816
TNPO1	ENSG00000083312	-0.33286	8.657019	-6.25866	7.62E-06	3.14E-05	2.893188	9.428192	9.44438	9.496362	8.977944	9.008148	9.046277	9.623386	9.602375	9.569466	8.062272	8.051753	8.005106	7.809074	7.844355	7.830999	8.034153	7.999495	8.067734
PLOD1	ENSG00000083444	0.577132	7.77843	5.925206	1.48E-05	5.59E-05	2.26296	7.807323	7.767304	7.808831	8.712588	8.745651	8.690508	8.479286	8.305436	8.438242	7.018918	7.031229	7.047808	7.3009	7.249155	7.187824	7.546271	7.524174	7.483412
P2RX5	ENSG00000083454	1.067326	0.974718	3.442139	0.003009	0.006038	-1.78659	2.27083	2.09705	1.954926	3.181227	3.378481	3.432575	3.539581	3.535768	3.668646	0.781331	0.748206	0.499259	0.656707	0.484926	0.593579	0.686723	0.637375	1.322858
ITGAE	ENSG00000083457	0.032113	3.512156	0.284342	0.77949	0.816764	-7.0031	4.538049	4.614695	4.671981	4.833866	4.764552	4.834637	4.812472	5.013152	4.934903	2.708071	2.753956	2.581432	2.162115	2.48471	2.433049	2.819293	2.649824	2.629903
DIS3	ENSG00000083520	0.11266	6.167868	2.892556	0.009913	0.017524	-4.16276	5.881091	6.065329	5.978065	6.105344	6.147385	6.135919	5.937792	6.063123	5.983548	6.290151	6.287085	6.314989	6.318418	6.388942	6.42845	6.408317	6.338302	6.322618
PIBF1	ENSG00000083535	0.144915	3.816041	2.009377	0.060197	0.087856	-5.45274	3.783815	3.768792	3.83701	3.605613	3.683372	3.838399	3.761137	3.431409	3.271973	4.13047	4.107636	4.205521	4.376523	4.513497	4.311352	3.98397	3.999132	3.961444
TDRD3	ENSG00000083544	-0.4854	3.732556	-5.31839	5.16E-05	0.000166	1.616687	4.772011	4.733688	4.657046	4.171485	4.213935	4.146631	4.339849	4.489649	4.093134	3.411958	3.398501	3.495574	3.116795	3.152313	3.053703	3.462853	3.093137	3.509302
NUFIP1	ENSG00000083635	-0.4919	4.45405	-5.7746	2.01E-05	7.24E-05	2.318406	4.579773	4.495815	4.621585	3.647423	3.832443	3.584921	4.235306	4.256466	4.252911	4.992463	5.048786	5.072837	4.693208	4.739573	4.869998	4.796302	4.79479	4.918728
PDS5B	ENSG00000083642	-0.0173	5.056862	-0.21651	0.831097	0.86002	-7.57639	4.569455	4.649014	4.840087	5.015132	4.998178	4.979151	4.877071	4.981823	4.962367	5.411303	5.557418	5.351474	5.14231	5.24855	5.269387	5.346849	5.271824	5.359675
OXCT1	ENSG00000083720	-0.02471	5.082046	-0.22503	0.824567	0.854729	-7.53335	5.246942	5.253581	5.105102	5.517909	5.48099	5.724812	5.282018	5.431657	5.396113	4.971948	4.978771	5.000938	4.53734	4.718494	4.577054	5.031299	4.993761	5.03025
RRAGB	ENSG00000083750	-0.13544	3.123891	-0.67663	0.507497	0.569478	-6.67532	4.654895	4.668265	4.763138	4.367681	4.301803	4.420855	5.026946	5.174263	4.978598	1.940223	2.155072	1.759838	2.371704	2.307842	2.312654	1.708352	1.878239	1.877799
CYLD	ENSG00000083799	0.48784	4.205263	5.350932	4.82E-05	0.000156	1.536715	4.226185	4.15733	4.215584	4.759555	4.720591	4.942007	4.825625	4.59002	4.505294	3.87036	4.029873	3.955502	4.257146	4.255082	4.297823	3.799922	3.735773	4.014786
SLC27A5	ENSG00000083807	-0.21443	3.601233	-2.18402	0.042855	0.064777	-5.04993	3.562366	3.526613	3.419917	2.97776	3.31232	3.335661	3.788265	3.786013	3.832397	4.125171	4.029873	4.025385	3.850304	3.846002	3.996621	3.762638	3.910024	3.906054
ZNF324	ENSG00000083812	0.263716	3.67447	3.568844	0.002279	0.004718	-2.36135	2.917019	2.836538	2.758051	3.21869	2.835252	3.231764	3.072345	3.043491	3.340558	4.521821	4.394983	4.63239	4.795429	4.749998	4.72927	4.442647	4.547132	4.416967
ZNF671	ENSG00000083814	0.351298	-0.92117	2.239134	0.038418	0.058689	-4.46752	0.216396	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.100009	2.388995	2.34226	2.55467	2.770668	2.80865	2.283004	2.146913	2.091498
ZNF416	ENSG00000083817	0.000925	3.728203	0.012225	0.990384	0.991707	-7.40875	3.262728	3.382531	3.231147	2.933382	2.633282	2.94309	3.072345	3.002451	3.104585	4.588795	4.562677	4.595532	4.709837	4.732581	4.722535	4.67445	4.645052	4.582581
ZNF586	ENSG00000083828	0.201707	3.168526	2.890074	0.009965	0.017599	-3.68812	2.438959	2.403106	2.138168	2.325974	2.520598	2.605775	2.637802	2.981485	2.560038	4.109157	3.992097	4.100159	4.330668	4.215509	4.20424	4.262954	4.273707	4.305185
ZNF446	ENSG00000083838	0.224534	3.349893	2.572513	0.019477	0.032014	-4.29329	3.465529	3.526613	3.431666	3.441022	3.517104	3.27721	2.779728	3.122225	3.143496	3.673879	3.547323	3.561745	3.956313	3.903166	3.979775	3.623987	3.579432	3.328509
ZNF264	ENSG00000083844	-0.33378	4.678047	-4.90334	0.000124	0.000358	0.422821	4.664623	4.594711	4.611291	3.999198	4.061165	3.982555	4.544628	4.569092	4.388669	5.1779	5.254237	5.153077	5.023176	4.991713	5.023089	5.17303	5.033479	5.03025
RPS5	ENSG00000083845	-0.13317	9.560872	-4.21669	0.000549	0.001334	-1.56081	9.459612	9.417968	9.436035	9.27188	9.360177	9.220215	9.441773	9.34077	9.403808	9.898845	9.760676	9.754809	9.693671	9.691277	9.682501	9.739109	9.770943	9.787474
FAT1	ENSG00000083857	0.213915	8.340397	1.960749	0.066044	0.095393	-6.08723	9.08422	9.19305	9.344423	9.549872	9.543253	9.965038	9.151487	9.050223	9.167626	7.483321	7.735131	7.219285	7.362233	7.338214	7.419926	7.214732	7.167068	7.242753
YTHDC1	ENSG00000083896	0.18679	6.129654	2.152036	0.045642	0.068451	-5.60135	5.891483	5.969649	5.963976	5.772136	5.803491	5.860389	6.062473	5.988901	6.033605	6.244453	6.305902	6.238893	6.655352	6.690792	6.64782	6.166884	6.198814	6.225761
CHMP2B	ENSG00000083937	-0.35615	5.859098	-7.06178	1.63E-06	8.34E-06	4.671853	5.910002	5.837717	5.799175	5.460427	5.239802	5.384134	5.319693	5.447033	5.325957	6.423477	6.358808	6.458476	6.17108	6.167044	6.121813	6.236527	6.12437	6.154551
SMAP2	ENSG00000084070	0.299153	5.141965	2.840176	0.011085	0.019334	-4.13047	4.381709	4.197635	4.288462	5.180897	5.114368	5.106307	4.920629	4.933517	4.866774	5.62347	5.53695	5.619214	5.519311	5.663177	5.579982	5.595049	5.633692	5.590523
PPIE	ENSG00000084072	-0.39732	5.420552	-4.92899	0.000118	0.000341	0.359127	5.611213	5.656799	5.533555	4.803367	4.97698	4.864722	5.315037	5.281075	5.136423	5.8825	5.798468	5.730625	5.64136	5.67599	5.549863	5.486798	5.537098	5.722348
ZMPSTE24	ENSG00000084073	0.086219	7.04768	0.962971	0.348697	0.412945	-7.37398	6.736823	6.739008	6.767886	7.249167	7.197228	7.097645	7.254198	7.2508	7.220183	7.122934	7.146253	7.199582	6.90803	6.973285	6.94258	7.03356	7.101743	7.121198
STARD7	ENSG00000084090	-0.11618	7.935311	-3.71	0.001671	0.003577	-2.56125	7.949378	8.07197	8.023942	7.905137	7.92558	7.892851	8.142767	8.196504	8.181468	7.900717	7.815349	7.880124	7.75835	7.779685	7.686215	7.965396	7.933606	7.936654
NOA1	ENSG00000084092	0.42201	4.990069	6.269763	7.46E-06	3.08E-05	3.253859	4.744758	4.663476	4.616447	5.020445	4.922581	4.854763	5.099133	4.960553	4.929347	4.867929	4.866934	5.113515	5.522452	5.474904	5.378375	5.291204	5.243446	5.09537
REST	ENSG00000084093	-0.29607	5.34784	-4.59234	0.000243	0.000647	-0.35271	5.38573	5.331118	5.384366	4.881362	5.029402	4.992837	5.365443	5.481041	5.404147	5.77326	5.595705	5.580563	5.408221	5.434541	5.428895	5.469547	5.375316	5.598033
HAL	ENSG00000084110	-1.83997	0.591593	-4.45636	0.000326	0.000841	0.330188	2.629805	2.232543	1.853768	0.258133	0.730585	0.746642	2.480375	2.290412	2.202855	1.352446	1.228418	1.562415	0.982856	1.077171	0.957066	1.177011	1.368306	1.115245
SSH1	ENSG00000084112	-0.96755	7.200666	-12.8719	2.38E-10	6.12E-09	13.73415	7.976478	8.024676	8.081004	6.781518	6.924362	6.729256	7.818598	7.721346	7.662504	7.166144	7.112699	7.072262	6.445489	6.343771	6.42119	7.234157	7.193606	7.098434
GSTP1	ENSG00000084207	-0.11484	8.740451	-3.09029	0.006478	0.012006	-3.95834	8.80165	8.750813	8.776288	8.599981	8.696245	8.520615	8.725896	8.642854	8.706145	8.94071	8.79652	8.829077	8.79428	8.818241	8.758895	8.7196	8.734881	8.778254
APLP2	ENSG00000084234	1.545634	9.832527	8.756188	8.38E-08	6.83E-07	7.490086	8.613274	8.591038	8.560852	10.87079	10.77783	10.83108	10.73898	10.69872	10.75393	9.069227	8.967036	9.011258	9.887333	9.886109	9.889358	9.957981	9.949543	9.965906
FAM234B	ENSG00000084444	-0.23318	3.320599	-3.3929	0.003352	0.006635	-2.56779	3.551922	3.35903	3.322321	3.142765	2.991399	3.086148	3.352323	3.178579	3.181386	3.695491	3.824119	3.784665	3.557503	3.731427	3.593499	3.787601	3.587665	3.641153
WBP11	ENSG00000084463	-0.4716	6.907905	-9.80367	1.60E-08	1.75E-07	9.36571	6.678008	6.718377	6.665891	6.030952	5.984333	6.135919	6.570057	6.581449	6.550385	7.601553	7.526816	7.584144	7.216137	7.193592	7.234727	7.444486	7.391741	7.471878
EIF3I	ENSG00000084623	-0.23454	8.328279	-5.25669	5.88E-05	0.000186	0.78281	8.292964	8.33359	8.256395	7.895772	7.886325	7.901342	7.989768	8.030363	8.022251	8.694647	8.638697	8.6583	8.55085	8.538502	8.618806	8.596318	8.542889	8.546275
COL16A1	ENSG00000084636	-0.50263	1.517711	-1.61139	0.125005	0.168046	-5.30476	3.756787	3.768792	3.88052	3.041869	2.904251	2.885561	2.724622	2.981485	2.748518	1.028404	0.941811	0.594297	1.154653	1.282615	1.209118	1.419885	0.975239	0.999041
TXLNA	ENSG00000084652	-0.05882	7.345986	-1.03389	0.315284	0.378187	-7.33448	7.250254	7.225157	7.277829	7.430734	7.361638	7.415611	7.210995	7.202921	7.273781	7.524154	7.516399	7.506089	7.293104	7.257704	7.281299	7.430191	7.465074	7.469833
NCOA1	ENSG00000084676	0.583536	5.237994	12.16069	5.85E-10	1.23E-08	12.97301	5.316463	5.384472	5.316288	5.884211	5.760718	5.857899	5.418495	5.484771	5.515873	4.724629	4.793538	4.737631	5.396285	5.430226	5.328241	4.777733	4.891066	4.99276
AGBL5	ENSG00000084693	-0.06655	5.706687	-0.59696	0.558191	0.617788	-7.49375	6.406698	6.36133	6.379366	5.988204	5.930216	5.880161	5.925627	6.040494	6.01011	5.419984	5.276856	5.448471	5.764537	5.606937	5.696257	4.980783	5.009167	5.130317
EFR3B	ENSG00000084710	0.479188	3.700423	2.712985	0.014514	0.024622	-3.68853	5.623734	5.687786	5.547119	6.305774	6.056841	6.083584	6.725501	6.787247	6.743221	1.787595	1.827525	1.718241	1.858352	1.819936	1.639204	1.880661	1.581179	1.877799
KIF3C	ENSG00000084731	-0.712	4.263636	-2.10424	0.050116	0.074549	-5.20612	6.441062	6.593033	6.556133	5.156973	5.199191	4.942007	4.980658	4.80814	4.801363	2.856146	3.023743	2.786535	3.652319	3.799921	3.658454	3.053433	3.236163	3.107809
RAB10	ENSG00000084733	-0.05094	8.047247	-1.69401	0.108007	0.147605	-6.51071	8.53158	8.585353	8.576811	8.504149	8.518304	8.477865	8.578289	8.586259	8.568161	7.51304	7.543235	7.514467	7.469476	7.513651	7.482054	7.640917	7.655781	7.698949
HADHA	ENSG00000084754	0.114017	7.759394	3.037072	0.007267	0.013296	-3.99286	7.948383	7.901976	7.875937	8.137444	8.081434	8.102523	8.102132	8.060041	8.132139	7.494666	7.504948	7.472472	7.528084	7.53189	7.502347	7.492248	7.438578	7.488135
MAPRE3	ENSG00000084764	0.176131	4.221682	1.553684	0.13818	0.183215	-6.2576	3.701161	3.704977	3.678418	4.400654	4.455308	4.460795	3.774765	3.773871	4.00079	4.619268	4.616873	4.673781	4.477091	4.529722	4.554478	4.681127	4.629187	4.712796
CAD	ENSG00000084774	-0.35045	6.901982	-4.29271	0.000465	0.001149	-1.21218	6.961579	6.905416	7.045272	6.702735	6.772703	6.838142	6.491769	6.401762	6.491277	7.335154	7.341824	7.200526	6.883809	6.790107	6.820957	7.164993	7.11034	7.204729
CD59	ENSG00000085063	0.302202	7.014302	2.68246	0.015477	0.026054	-4.66062	6.933693	6.849594	6.78859	7.513139	7.485955	7.543557	7.141693	7.133342	7.187972	6.729612	6.737926	6.712618	6.667463	6.787579	6.661089	7.15783	7.209031	7.228309
CD82	ENSG00000085117	1.581999	1.412756	8.874934	6.90E-08	5.83E-07	8.465331	1.069823	0.736739	1.30847	1.519216	1.612488	0.984419	1.317361	1.301009	1.0941	1.865926	1.989662	2.021603	3.494914	3.591587	3.421201	3.063688	2.711397	2.687355
BCORL1	ENSG00000085185	0.456085	3.318806	5.810627	1.87E-05	6.79E-05	2.630141	3.541402	3.260998	3.384088	3.54791	3.441741	3.818042	3.258446	3.196885	3.044176	3.385609	3.381904	3.426222	3.95166	3.976023	3.886451	3.254827	3.356678	3.228839
ATRX	ENSG00000085224	0.720783	6.481909	9.422572	2.88E-08	2.80E-07	8.809984	5.920189	6.047062	5.980067	7.004352	6.882225	7.020683	6.619984	6.76748	6.751116	6.183306	6.278143	6.065214	6.639526	6.67811	6.626333	6.483766	6.457646	6.576851
AK6	ENSG00000085231	-0.26408	4.258637	-2.31035	0.033312	0.051702	-4.91419	4.640181	4.756352	4.235828	4.626508	4.551652	4.586466	4.758625	4.849227	4.497806	4.412971	4.157244	4.271716	3.746669	3.884362	3.68641	4.052512	4.059571	4.292899
MYNN	ENSG00000085274	-0.03451	4.63984	-0.46265	0.649325	0.700685	-7.40596	4.239263	4.293732	4.345467	4.40878	4.120365	4.28655	4.479546	4.802174	4.764393	5.021274	5.043519	4.968042	5.003078	4.934974	4.935528	4.917167	5.054421	4.98132
MECOM	ENSG00000085276	0.461435	3.69252	7.355274	9.50E-07	5.24E-06	5.438859	2.320899	2.49222	2.37563	3.342644	3.073582	3.18484	2.303642	2.184314	2.202855	5.038288	5.118067	5.103452	5.464835	5.472807	5.412251	4.783949	4.776901	4.740203
SCAMP1	ENSG00000085365	-0.06677	5.885698	-0.97849	0.341183	0.405226	-7.23804	5.836608	5.816305	5.812715	5.711012	5.525471	5.605169	5.994216	5.927193	5.751363	6.06791	6.152903	6.035885	6.075937	6.16834	6.108959	5.88835	6.041387	5.876446
PREP	ENSG00000085377	0.331045	6.100916	3.64816	0.001915	0.00405	-2.51971	6.303082	6.203694	6.244333	6.236693	6.128283	6.280554	6.41117	6.465436	6.354934	5.573767	5.657342	5.63327	6.281812	6.235415	6.272352	5.951842	5.991068	5.987349
HACE1	ENSG00000085382	-0.23893	3.010024	-2.55037	0.020393	0.033344	-4.13276	3.774862	3.61855	3.764544	3.70135	3.574682	3.306732	3.555458	3.761625	3.373665	3.0698	2.889287	2.920951	2.706013	2.797719	2.689384	2.597261	2.568968	2.81313
SEH1L	ENSG00000085415	-0.68742	6.585487	-13.9681	6.44E-11	2.36E-09	15.10016	6.265223	6.436234	6.330002	5.851791	5.773069	5.855404	6.124988	6.037958	6.004837	7.462989	7.438789	7.506471	6.690687	6.673554	6.706165	7.265037	7.205023	7.211272
WDR47	ENSG00000085433	-0.37756	3.784728	-5.76463	2.05E-05	7.36E-05	2.471719	3.983545	3.928996	3.96379	3.674639	3.867423	3.560621	3.814892	4.019913	4.021828	4.156676	4.082178	4.116262	3.635009	3.806595	3.693316	3.830273	3.955266	3.906054
WDFY1	ENSG00000085449	0.099046	6.310489	1.747856	0.098033	0.135469	-6.29278	6.131333	6.130976	6.24766	6.166534	6.142633	6.125602	6.332727	6.463548	6.453066	6.218564	6.367264	6.368068	6.48869	6.554701	6.48625	6.412335	6.390999	6.445648
OVGP1	ENSG00000085465	0.047445	0.149881	0.23314	0.818361	0.849433	-6.30716	1.561356	1.508929	1.706811	1.393812	1.373859	1.669505	1.70672	1.85606	1.918715	0.781331	0.748206	0.639567	0.787801	0.837535	0.910419	0.576451	0.637375	0.580851
SLC25A24	ENSG00000085491	-0.17964	5.637619	-2.14454	0.046318	0.069363	-5.55537	5.832299	5.779158	5.653783	5.122798	5.230876	5.199746	5.272444	5.27247	5.193163	5.92276	5.927012	6.017783	6.04022	6.01974	6.052346	5.803695	5.826899	5.8578
MAP3K4	ENSG00000085511	0.382101	4.620292	3.021669	0.007513	0.013687	-3.59981	4.029438	4.12286	3.955676	4.904536	4.789085	4.937296	5.136557	5.146277	5.082376	4.596474	4.599033	4.598401	4.571104	4.612034	4.688381	4.980783	4.877699	4.641909
IGSF9	ENSG00000085552	1.008581	1.265107	9.126856	4.59E-08	4.16E-07	8.494483	0.106501	0.316291	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.39151	5.587318	5.739435	5.545315	6.727221	6.605339	6.670742	6.123425	6.059258	5.973944
ABCB1	ENSG00000085563	0.422893	-0.64511	1.222198	0.23786	0.294979	-5.4904	2.526909	2.356396	2.492412	2.91067	2.686486	2.94309	2.981245	3.063581	3.044176	0.34397	0.106501	0.16959	0.171976	0.190544	0.186984	0.183756	0.106501	0.106501
ZNF213	ENSG00000085644	-0.01901	4.359594	-0.2154	0.831951	0.86061	-7.42621	4.484137	4.47956	4.657046	4.424898	4.478119	4.330328	4.174919	4.184903	4.16108	4.35077	4.322908	4.569452	4.464081	4.472117	4.523816	4.707527	4.641102	4.329449
AKR1B1	ENSG00000085662	-0.39181	6.591053	-3.00148	0.007847	0.014216	-3.87135	8.176266	8.124312	8.101834	7.962852	8.058914	8.018598	7.827616	7.879162	7.77752	5.510146	5.43203	5.613553	4.707079	4.660731	4.76576	5.55381	5.408227	5.491856
CPNE3	ENSG00000085719	0.081452	7.389896	1.487559	0.154686	0.202383	-6.79333	6.991837	6.939487	7.049091	7.156889	7.052746	7.113393	7.215998	7.230951	7.169238	7.74879	7.758222	7.686105	7.784098	7.799057	7.760011	7.514848	7.5948	7.615694
RRN3	ENSG00000085721	-0.33384	6.885595	-7.40967	8.60E-07	4.82E-06	5.245638	7.173132	7.065531	7.013379	6.667608	6.56997	6.668018	6.773805	6.921271	6.835226	7.030301	7.043813	7.044656	6.752188	6.864753	6.810675	6.955165	6.987387	6.991305
CTTN	ENSG00000085733	-0.25422	8.246156	-3.6884	0.001753	0.003739	-2.6407	8.37116	8.390481	8.395987	7.848756	7.841581	7.825613	8.098072	8.061915	8.050038	8.451453	8.389344	8.433166	8.422634	8.41073	8.440482	8.337832	8.384158	8.366687
MTIF2	ENSG00000085760	-0.28546	6.154466	-5.25056	5.95E-05	0.000188	0.980618	6.869957	6.823	6.834669	6.430757	6.375108	6.412002	6.297757	6.528227	6.439449	5.984048	5.859683	5.923699	5.802503	5.832965	5.746917	5.708869	5.678704	5.622786
DDHD2	ENSG00000085788	-0.14872	5.37668	-1.91776	0.071631	0.102516	-5.86552	5.857962	5.893992	5.790077	5.444703	5.3917	5.445139	5.582443	5.673074	5.50844	5.24783	5.160041	5.103452	5.150455	5.32724	5.323798	5.184823	5.104049	5.239981
TTC39A	ENSG00000085831	-0.08243	1.635445	-0.44898	0.658965	0.70926	-6.97112	1.755904	1.915637	1.853768	0.52061	1.2379	0.909432	0.886508	1.082132	0.515351	3.463254	3.431133	3.373604	3.587808	3.591587	3.608189	2.75746	2.947209	2.649309
EPS15	ENSG00000085832	0.099899	5.286085	1.358652	0.191535	0.243647	-6.72742	5.32875	5.438728	5.22134	5.185634	5.064996	5.089421	4.968851	5.007978	4.90124	5.41565	5.500898	5.440499	5.740459	5.776294	5.758486	5.262556	5.319564	5.417409
ORC1	ENSG00000085840	-1.68545	4.247757	-6.01559	1.24E-05	4.77E-05	3.0356	4.735558	4.724521	4.676925	4.132759	4.384626	4.178918	5.213624	5.263813	5.160337	4.896201	4.739193	4.869357	2.329284	2.250257	2.276326	4.922811	4.857415	4.753714
MGST2	ENSG00000085871	0.590293	5.252186	4.213485	0.000553	0.001342	-1.08235	5.546927	5.673567	5.503257	6.523489	6.557529	6.554168	6.259498	6.303819	6.236199	4.573314	4.386688	4.575288	4.404034	4.54975	4.628397	4.349322	4.367537	4.376785
CHERP	ENSG00000085872	-0.30826	6.355882	-5.30856	5.27E-05	0.000169	1.059511	6.359567	6.317804	6.52631	5.830775	6.084358	5.951983	6.382529	6.175851	6.267362	6.559335	6.590431	6.733647	6.497497	6.373292	6.411801	6.596658	6.575131	6.50144
ATG16L1	ENSG00000085978	0.050359	7.077892	1.609876	0.125337	0.168444	-6.58044	6.949694	6.992952	7.008484	7.045329	7.0464	7.113393	7.103055	7.127389	7.11153	7.117607	7.065411	7.042551	7.134831	7.063812	7.081306	7.23869	7.139333	7.218598
USP40	ENSG00000085982	-0.33709	6.210995	-3.50943	0.002597	0.005301	-2.84206	6.722924	6.700957	6.690547	5.980046	5.946666	5.963613	6.266749	6.409631	6.315012	6.062376	6.186741	6.138988	6.174079	6.131604	6.126922	6.101195	6.08856	6.156248
POMGNT1	ENSG00000085998	-0.34948	6.854917	-6.74588	2.96E-06	1.39E-05	3.976087	7.255896	7.255703	7.199252	6.689454	6.786476	6.69757	7.070276	6.97662	6.994023	6.899851	6.838665	6.894018	6.672421	6.696193	6.666362	6.741831	6.649766	6.637627
RAD54L	ENSG00000085999	-2.652	3.042035	-10.0834	1.05E-08	1.23E-07	10.29546	3.349713	2.91921	3.28395	2.359902	2.117603	2.481849	2.607661	2.894433	2.643847	4.945135	4.799799	4.83328	1.973006	2.169719	1.801384	4.555953	4.391248	4.59264
MAST2	ENSG00000086015	0.091388	5.516707	1.536269	0.142377	0.187906	-6.52764	5.146396	5.095468	5.141325	5.440746	5.431202	5.411567	4.998191	5.043815	5.005251	5.954476	5.939825	5.877208	5.890229	5.850833	5.924669	5.935182	5.883166	5.930982

DNAJA1	ENSG00000086061	0.098993	8.841097	1.035039	0.31476	0.377622	-7.43666	8.482243	8.485789	8.428598	8.954194	8.905302	9.00579	8.760125	8.722013	8.755648	8.999267	8.99476	8.995021	8.746052	8.758614	8.754156	9.16059	9.114938	9.175845
B4GALT1	ENSG00000086062	0.205719	8.190776	1.974633	0.064325	0.09324	-6.05786	8.513192	8.521953	8.546066	9.087368	9.125075	9.171153	9.017126	8.926787	9.016643	7.55453	7.601292	7.592442	7.366609	7.335332	7.369624	7.59702	7.619603	7.575683
CHMP5	ENSG00000086065	-0.59762	6.568236	-7.08409	1.57E-06	8.05E-06	4.659665	7.241344	7.194779	7.185441	6.292659	6.310908	6.198283	6.504093	6.588399	6.587899	6.729612	6.652289	6.6566	6.398391	6.37666	6.39813	6.376791	6.425856	6.397688
NFX1	ENSG00000086102	-0.11359	6.07072	-1.71518	0.103986	0.142666	-6.29475	6.436811	6.448813	6.427097	6.142369	6.044157	6.166432	6.437112	6.442606	6.491277	5.754507	5.87162	5.858184	5.908353	5.884342	5.917315	5.788317	5.777374	5.880558
DIMT1	ENSG00000086189	-0.44846	5.528161	-8.62461	1.04E-07	8.16E-07	7.60027	6.223057	6.215193	6.073013	5.565938	5.726197	5.599217	5.814563	5.868449	5.760779	5.351299	5.477654	5.539356	5.066862	5.123169	5.166452	5.217339	5.190374	5.123395
IPO11	ENSG00000086200	-0.51362	5.081705	-8.60322	1.08E-07	8.40E-07	7.632172	5.924244	5.841962	5.81496	5.436777	5.152684	5.118843	5.374422	5.306587	5.338588	5.001167	5.003394	4.994418	4.610014	4.630959	4.6463	4.739863	4.714363	4.637057
EIF2AK1	ENSG00000086232	0.129864	8.106207	2.921765	0.009312	0.016554	-4.2646	8.353227	8.379208	8.358782	8.537423	8.534718	8.570905	8.021551	8.123619	8.105903	7.906133	7.841759	7.948332	7.982762	8.0024	7.94929	7.740961	7.819398	7.834396
EPDR1	ENSG00000086289	-0.10096	6.122026	-1.72789	0.101634	0.139822	-6.24093	7.030905	7.112843	6.933002	7.046631	7.060324	6.923987	6.820543	6.820094	6.910477	5.373815	5.363942	5.489229	5.184566	5.201218	5.253122	5.371825	5.41055	5.33891
SNX10	ENSG00000086300	-1.46949	1.440252	-7.97081	3.17E-07	2.07E-06	6.928792	4.846543	4.856254	4.781616	3.619685	3.378481	3.432575	3.891945	3.999201	3.968647	0.669294	0.748206	1.027938	0.294634	0.416769	0.404558	0.63264	0.759002	0.734116
SEPHS1	ENSG00000086475	0.470105	5.541233	4.326106	0.000433	0.001077	-0.91836	5.313374	5.204977	5.332045	6.241251	6.101599	6.135919	6.309508	6.230187	6.236199	5.060666	5.079989	5.107486	5.107173	5.178243	5.13383	5.571885	5.442675	5.557523
MRPL28	ENSG00000086504	-0.3462	6.484384	-4.20406	0.000565	0.001366	-1.33989	7.016734	6.994859	7.003573	6.252583	6.478657	6.372415	6.920476	6.880799	6.931474	6.23095	6.215126	6.369748	6.204712	6.183802	6.221909	6.260129	6.263193	6.224144
ITPKC	ENSG00000086544	0.205697	5.233143	3.850737	0.001226	0.002706	-2.02404	4.381709	4.629503	4.388298	4.424898	4.58706	4.420855	4.512454	4.365678	4.22597	6.070669	5.984483	6.082734	6.365533	6.340326	6.260778	6.027141	5.994168	5.962353
CEACAM6	ENSG00000086548	-0.66791	6.418086	-3.54702	0.002391	0.004923	-2.82966	6.169409	6.180419	6.069258	6.283849	6.3444	6.34422	5.104539	5.007978	4.906906	7.796238	7.728582	7.683405	6.505457	6.569491	6.618192	6.749792	6.947961	6.882769
FAT2	ENSG00000086570	-0.29912	-0.4823	-2.84473	0.010978	0.019171	-3.51683	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.340597	3.647924	3.325935	3.165832	3.098942	3.186878	3.324713	3.307681	3.107809
RBM22	ENSG00000086589	-0.67452	6.614864	-7.10716	1.50E-06	7.76E-06	4.704416	7.104217	7.064623	7.104269	6.154502	5.949389	5.954316	6.765297	6.776637	6.772996	6.764964	6.733845	6.791827	6.45374	6.421915	6.408658	6.685668	6.643857	6.79728
TMED2	ENSG00000086598	0.011735	8.73711	0.37453	0.712516	0.758869	-7.89832	8.808247	8.798821	8.770228	8.890695	8.785823	8.847829	8.885928	9.000611	8.916643	8.594676	8.597062	8.600089	8.552963	8.645674	8.525401	8.667599	8.703737	8.739169
ERO1B	ENSG00000086619	0.806131	1.245068	1.987729	0.06274	0.091184	-4.50787	5.779563	5.869251	5.882858	6.817065	6.52138	6.715565	6.328113	6.4233	6.348704	0.34397	0.106501	0.230035	0.171976	0.190544	0.106501	0.326864	0.106501	0.106501
ZFAND6	ENSG00000086666	-0.9296	5.75175	-13.5899	1.00E-10	3.27E-09	14.7259	5.759279	5.734195	5.620809	4.667726	4.594038	4.454215	5.764215	5.746369	5.640119	6.577878	6.44422	6.594014	5.672801	5.799899	5.756839	6.46067	6.395695	6.397688
TXLNG	ENSG00000086712	0.067382	6.189888	1.366374	0.189144	0.240986	-6.81288	6.094026	6.13617	6.170885	6.333788	6.252564	6.326315	6.502046	6.537235	6.57728	5.98989	6.076316	6.11013	6.117038	6.008206	5.970866	6.199803	6.210856	6.173105
PPEF1	ENSG00000086717	0.565894	-0.15604	1.345736	0.195586	0.248066	-5.35757	2.867343	3.114308	3.06005	3.619685	3.722109	3.666886	2.303642	2.451551	2.501332	0.34397	0.185134	0.16959	0.234608	0.106501	0.263213	0.183756	0.433238	0.214669
LAT2	ENSG00000086730	-0.93514	3.706112	-9.19421	4.12E-08	3.80E-07	8.903046	4.029438	4.14364	4.262385	3.57705	3.242978	3.321269	5.147073	5.224202	5.097318	3.673879	3.398501	3.526028	2.706013	2.533802	2.574402	4.21775	4.333674	4.022248
HUWE1	ENSG00000086758	0.179582	8.289868	2.104904	0.050051	0.074475	-5.88171	7.47626	7.561349	7.682394	7.93569	7.948222	8.200629	7.779421	7.6829	7.702142	8.926692	9.082755	8.677928	8.91826	8.747167	8.891464	8.758393	8.641088	8.696664
ZW10	ENSG00000086827	-0.30168	4.850848	-5.71971	2.25E-05	7.99E-05	2.129517	4.461995	4.719916	4.424025	4.254996	4.408574	4.434292	4.536652	4.583078	4.680887	5.475171	5.409689	5.467426	5.075443	5.063124	5.148978	5.412514	5.372937	5.33891
ALG9	ENSG00000086848	0.696557	3.246994	4.729265	0.00018	0.000498	0.5005	3.337603	3.196163	3.359697	4.227693	4.293254	4.34463	4.376062	4.526303	4.613192	2.494552	2.779525	2.627101	2.760241	2.797719	2.730245	3.063688	2.881762	3.079476
ACOX3	ENSG00000087008	0.153252	4.454018	1.603346	0.126775	0.170025	-6.19973	4.807565	4.86879	4.681852	4.555081	4.694855	4.679672	4.659269	4.489649	4.534865	4.368817	4.247042	4.472706	4.758606	4.679032	4.769032	4.161567	4.083055	3.881648
MTMR2	ENSG00000087053	-0.34873	6.260057	-5.61117	2.81E-05	9.70E-05	1.711512	6.452337	6.402146	6.467605	5.890028	5.797458	5.882614	6.161755	6.194191	6.131214	6.537562	6.503919	6.534592	6.311171	6.381138	6.390715	6.343508	6.230705	6.420456
PPP1R15A	ENSG00000087074	-0.87612	5.707951	-6.79608	2.69E-06	1.28E-05	4.182355	6.282699	6.15335	6.225897	4.759555	4.7142	4.735009	4.974767	5.327507	5.274297	6.457606	6.263495	6.553195	5.940413	5.953629	5.942167	5.980541	5.992618	5.767446
HSD17B14	ENSG00000087076	1.74561	2.435606	13.12699	1.74E-10	4.91E-09	14.27413	1.826927	1.508929	1.585853	3.359513	3.378481	3.136338	2.884002	2.777669	2.82232	2.033684	2.320972	2.34226	3.60569	3.637228	3.412858	2.890155	2.813204	2.629903
TRIP6	ENSG00000087077	-0.50326	6.397847	-2.95222	0.008723	0.015615	-4.02756	7.381384	7.395102	7.420257	6.156917	6.381172	6.152273	6.961273	6.922647	6.918913	5.8427	5.858184	5.919117	6.080206	6.058	6.042916	6.123425	5.989515	5.896886
FTL	ENSG00000087086	-0.09178	10.35868	-0.64957	0.524415	0.585915	-7.82093	11.1706	11.15196	11.1581	11.59347	11.64179	11.48922	11.54714	11.54011	11.51008	9.598413	9.399963	9.539956	8.803187	8.86515	8.817349	9.565846	9.506342	9.584604
SRRT	ENSG00000087087	-0.44228	7.325567	-8.15259	2.31E-07	1.58E-06	6.580603	7.47557	7.389313	7.463818	7.171291	7.27419	7.136182	7.63653	7.606219	7.680807	7.465612	7.429733	7.455168	6.894152	6.765484	6.85907	7.43316	7.471205	7.422682
BAX	ENSG00000087088	-0.79972	6.117475	-6.51947	4.58E-06	2.01E-05	3.65432	7.623171	7.605708	7.644406	6.458425	6.444317	6.410303	6.815607	6.755179	6.743221	5.540318	5.415817	5.55273	5.278599	5.223832	5.128745	5.242383	5.339201	5.347846
NLK	ENSG00000087095	0.297016	4.872011	4.254402	0.000506	0.00124	-1.00093	5.0569	5.048491	5.067946	5.290513	4.998178	5.151751	4.998191	5.053893	5.072328	4.674725	4.54415	4.671058	5.073302	5.063124	5.100452	4.623367	4.555551	4.567359
PIGS	ENSG00000087111	1.245644	6.47113	8.815969	7.59E-08	6.30E-07	7.810592	5.38573	5.358041	5.411316	7.240086	7.232314	7.214199	6.725501	6.706499	6.76522	6.096621	6.195078	6.148806	6.915218	6.829142	6.882672	6.634128	6.532054	6.538338
TMPRSS11	ENSG00000087128	-0.35226	0.307329	-5.55497	3.16E-05	0.000108	1.967731	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.963066	4.884715	4.934378	4.589193	4.541772	4.606616	4.768358	4.691628	4.7671
ATXN7L3	ENSG00000087152	0.107788	6.758374	1.960456	0.066081	0.095426	-5.99901	6.647676	6.519415	6.686875	6.770523	6.940877	6.866915	6.648022	6.457866	6.596689	6.884252	6.836383	6.862145	6.892939	6.801845	6.878891	6.899	6.811396	6.897044
PGS1	ENSG00000087157	0.227397	5.330198	3.405294	0.003262	0.006478	-2.93714	5.501516	5.398948	5.41428	5.517909	5.582723	5.547605	5.59402	5.543171	5.591697	5.185557	5.100422	5.137382	5.547339	5.464391	5.328241	4.961717	5.080907	5.11295
PSMC5	ENSG00000087191	0.127914	7.84985	3.32311	0.003905	0.007624	-3.40645	7.470033	7.422994	7.45305	7.710133	7.649799	7.685159	7.761566	7.721346	7.768991	8.061579	8.049784	8.040081	8.0739	8.074334	8.117234	8.117119	8.126769	8.111242
UIMC1	ENSG00000087206	-0.27337	5.445979	-4.23201	0.000531	0.001296	-1.1418	5.665509	5.55188	5.584434	5.1079	5.274966	5.171943	5.753932	5.827914	5.751363	5.514206	5.469823	5.51223	5.380791	5.336493	5.296849	5.448178	5.480747	5.513196
LPCAT2	ENSG00000087253	0.104632	3.862593	1.422182	0.172574	0.22224	-6.43077	2.815895	2.853456	3.133821	2.999448	2.686486	2.697781	3.050103	3.535768	3.373665	4.667452	4.869913	4.806238	4.893312	5.032138	4.909079	5.122419	5.138081	5.184529
GNAO1	ENSG00000087258	0.923434	-0.12211	4.437169	0.00034	0.00087	0.280933	0.667115	0.736739	0.756332	1.457877	1.307481	1.367251	0.886508	0.387194	0.515351	1.028404	0.941811	0.993481	1.27873	1.320413	1.423614	1.13872	1.024588	0.872651
OGFOD1	ENSG00000087263	-0.26715	6.815688	-8.63873	1.02E-07	8.01E-07	7.465447	7.066193	7.104918	7.053849	6.803259	6.760349	6.80232	6.854629	6.924021	6.841156	6.845307	6.885042	6.849558	6.616927	6.591879	6.636221	6.781981	6.729127	6.774264
SH3BP2	ENSG00000087266	-0.01097	5.274506	-0.28946	0.775636	0.813558	-7.66501	4.059241	4.021717	3.906009	3.977507	3.988879	4.053927	4.079318	3.956862	3.957772	6.624627	6.75091	6.593295	6.660351	6.660719	6.592566	6.684007	6.680882	6.686583
NOP14	ENSG00000087269	-0.29798	7.268715	-7.76731	4.53E-07	2.78E-06	5.880243	7.485894	7.510925	7.479466	7.019026	7.139968	7.16669	7.367581	7.281144	7.247231	7.344304	7.304884	7.396214	7.131748	7.141093	7.116409	7.304488	7.262076	7.312122
ADD1	ENSG00000087274	-0.07238	7.912879	-1.3813	0.184593	0.235925	-6.95818	8.31822	8.294247	8.313862	8.047918	8.113963	8.008527	8.205744	8.18394	8.229167	7.647092	7.587335	7.648882	7.740926	7.737087	7.709392	7.591715	7.591733	7.575683
L2HGDH	ENSG00000087299	-0.73147	4.31012	-8.57783	1.13E-07	8.69E-07	7.699146	4.679091	4.733688	4.734969	3.714523	3.734793	3.535905	4.321396	4.324646	4.459769	4.674725	4.634494	4.732417	4.218931	4.259953	4.134921	4.723786	4.621188	4.712796
TXNDC16	ENSG00000087301	-0.24158	2.431119	-2.3724	0.029385	0.04616	-4.45752	2.165157	2.356396	2.423483	2.457149	2.490996	2.374422	2.607661	2.290412	2.047395	3.255856	3.295928	3.269454	2.852992	3.009215	2.870883	2.957699	2.854728	2.896697
RTRAF	ENSG00000087302	-0.25008	7.002982	-4.03914	0.000811	0.00188	-1.77118	7.238905	7.314922	7.268852	6.823158	6.766539	6.776177	7.028227	6.928136	6.964447	7.011039	6.994854	7.078953	6.95296	7.024993	6.983998	7.056207	7.025765	7.025123
NID2	ENSG00000087303	0.448039	1.149676	2.509687	0.022184	0.035959	-3.59149	7.192593	7.15695	7.1915	7.636783	7.601271	7.668911	7.289039	7.102117	7.144275	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GMCL1	ENSG00000087338	0.52468	5.185039	5.710977	2.29E-05	8.12E-05	2.064048	4.165822	4.50655	4.43574	5.236746	5.212855	5.102104	5.125963	5.117737	5.202407	5.42646	5.378656	5.422805	5.660022	5.734908	5.835411	5.518831	5.471879	5.542033
SF3B2	ENSG00000087365	-0.15646	8.647695	-4.1356	0.000656	0.001557	-1.69711	8.259256	8.245014	8.276078	7.940603	8.050694	7.992721	7.990498	7.926552	7.967732	9.3035	9.237935	9.308806	9.235693	9.221483	9.181962	9.195546	9.186982	9.209735
KLHL42	ENSG00000087448	0.499193	5.715983	4.499186	0.000297	0.000773	-0.59886	5.004246	4.945746	4.962565	6.033582	5.891089	5.995687	5.885366	5.946255	5.813006	5.636563	5.671068	5.583462	5.753885	5.783078	5.728547	6.210226	6.302487	6.268742
GNAS	ENSG00000087460	0.611834	9.465747	17.6243	1.43E-12	1.49E-10	18.91134	9.701905	9.715569	9.710407	10.35151	10.34975	10.31986	10.21685	10.18381	10.23685	8.539729	8.553264	8.568068	9.156398	9.123325	9.145921	8.821698	8.861652	8.869248
DNM1L	ENSG00000087470	0.871704	6.547063	7.123881	1.45E-06	7.55E-06	4.750961	5.496078	5.659206	5.615668	7.001668	6.875081	7.077449	6.848198	6.969983	6.939788	6.176918	6.366209	6.218526	6.681583	6.698886	6.672491	6.910409	6.928647	7.016742
PTHLH	ENSG00000087494	-0.7907	2.848847	-6.85414	2.41E-06	1.17E-05	4.848514	3.487617	3.750846	3.576275	2.766336	2.398361	2.784269	3.33403	2.960209	3.406029	3.275122	3.295928	3.164958	2.83289	2.714997	2.647333	2.924322	2.854728	2.706008
ERGIC2	ENSG00000087502	-0.00465	6.120436	-0.09248	0.92737	0.940627	-7.76218	5.985675	5.954048	6.003871	5.806374	5.735694	5.97285	5.982519	5.975709	5.845819	6.358354	6.405742	6.295675	6.408614	6.433818	6.482268	6.302962	6.250286	6.355481
TFAP2C	ENSG00000087510	0.425726	5.499151	2.941196	0.008932	0.015957	-3.92049	5.190829	4.949684	4.883506	5.806374	5.600158	5.738416	6.295396	6.241253	6.439449	5.193173	5.217293	5.365015	5.423425	5.404061	5.414342	5.406484	5.52857	5.499895
AURKA	ENSG00000087586	0.838502	5.637322	1.961999	0.065888	0.095195	-5.68294	5.525735	5.59527	5.350729	7.610599	7.355491	7.521695	7.497567	7.66493	7.541165	4.674725	4.752166	4.823505	3.388755	3.512154	3.478287	5.394346	5.256415	5.394592
PIR	ENSG00000087842	-0.65816	4.776653	-4.70034	0.000192	0.000526	0.24093	6.983117	6.969865	6.863145	6.487492	6.499248	6.36717	6.807343	6.836241	6.75269	3.376719	3.486521	3.834184	2.209661	2.837366	2.449456	3.227721	3.058015	2.944608
AAMDC	ENSG00000087884	-0.36089	3.055761	-3.44471	0.002993	0.006008	-2.47207	2.850396	2.935191	2.37563	2.359902	2.333126	2.196611	2.806512	2.871824	2.408535	4.192583	3.896014	4.282459	3.884887	3.878039	3.727354	3.743628	3.910024	3.797179
RFX2	ENSG00000087903	0.513834	1.36175	3.042667	0.00718	0.013157	-3.00822	1.12723	0.582935	0.679585	1.326771	1.817192	1.310092	0.782422	1.15884	1.244857	2.527059	2.85362	2.649405	2.995443	2.901116	2.930541	3.113899	3.034117	2.629903
METTL2A	ENSG00000087995	-0.16566	5.498029	-3.51533	0.002563	0.005239	-2.76278	5.240453	5.113136	5.159101	4.915985	5.059965	4.908703	5.233498	5.112925	5.121883	5.958951	6.039753	6.16341	5.963711	5.86369	5.926135	5.932386	5.956519	5.909012
SULT2B1	ENSG00000088002	0.587255	3.531655	5.091163	8.33E-05	0.000252	1.127101	3.056542	3.39414	3.347346	4.122913	4.392653	4.027574	3.841036	3.736817	3.668646	3.340597	3.269103	3.48321	3.686328	3.591587	3.644271	3.830273	3.72088	3.698167
ALG6	ENSG00000088035	-0.32405	4.127703	-4.03979	0.00081	0.001878	-1.29266	4.428132	4.446492	4.281987	4.375995	4.071202	4.249025	4.512454	4.341199	4.549426	4.161861	4.314187	4.314216	3.814873	3.970091	3.747398	3.951202	4.05364	4.229846
CNOT3	ENSG00000088038	-0.17728	6.206582	-3.97725	0.000929	0.002124	-1.83617	5.817116	5.736477	5.854773	5.540275	5.703792	5.677574	6.028748	5.79224	6.036192	6.655279	6.591334	6.7518	6.531416	6.437048	6.480274	6.812708	6.862333	6.787461
PTPN4	ENSG00000088179	0.509471	4.090274	5.252168	5.93E-05	0.000187	1.413295	4.339825	4.446492	4.326715	4.87551	4.831037	4.93257	5.193472	5.201716	5.005251	3.411958	3.373534	3.305013	3.746669	3.766081	3.824901	3.43152	3.620134	3.698167
DDX18	ENSG00000088205	-0.41552	7.711629	-6.40892	5.68E-06	2.43E-05	3.23178	7.85164	7.835945	7.792409	7.204349	7.161267	7.165683	7.68244	7.801289	7.695611	7.989416	7.915686	7.979201	7.727038	7.730083	7.780421	7.831518	7.864987	7.930223
KHSRP	ENSG00000088247	-0.29901	7.65823	-7.49056	7.43E-07	4.24E-06	5.341643	7.684217	7.692298	7.780974	7.449567	7.464221	7.48262	7.882143	7.7703	7.765877	7.713034	7.728172	7.872442	7.496883	7.405703	7.403177	7.876205	7.79694	7.716879
GNA11	ENSG00000088256	-0.05822	6.437065	-1.23188	0.234312	0.291172	-7.01809	6.527556	6.598061	6.601043	6.50655	6.630615	6.381113	6.599072	6.522796	6.601937	6.238331	6.316858	6.466349	6.32383	6.286439	6.288403	6.508377	6.366088	6.41338
ASAP3	ENSG00000088280	1.406796	3.237778	11.30374	1.83E-09	2.99E-08	12.01281	3.603403	3.382531	3.322321	4.400654	4.580048	4.308605	3.33403	3.043491	2.981126	2.574485	2.66072	2.893183	4.34138	4.174819	4.293286	2.368215	2.680939	2.419973
EDEM2	ENSG00000088298	0.657162	5.731326	12.85375	2.44E-10	6.22E-09	13.83728	6.119004	6.113526	6.195211	6.770523	6.68228	6.670859	6.276361	6.121786	6.236199	4.896201	4.765022	4.90687	5.585386	5.661337	5.536486	5.146741	5.08382	4.95427
DNMT3B	ENSG00000088305	-1.25059	3.290821	-9.98437	1.22E-08	1.39E-07	10.01525	2.917019	2.55562	3.119366	2.605941	2.549605	2.481849	2.186178	2.184314	2.005764	5.1779	5.022258	5.225382	3.735884	3.933972	3.679472	4.473742	4.247965	4.483349
TPX2	ENSG00000088325	-1.72788	6.039851	-9.08297	4.93E-08	4.37E-07	8.347056	6.506075	6.451593	6.330002	5.521661	5.654575	5.602196	6.424199	6.586665	6.425703	6.820933	6.807933	6.850761	4.450951	4.561635	4.394205	6.662239	6.562656	6.594479
FER1L4	ENSG00000088340	0.358826	3.983657	2.729395	0.01402	0.023866	-4.27448	2.589523	1.849715	2.446827	3.308302	3.441741	3.632327	2.637802	2.777669	2.616448	5.606458	5.679581	5.310072	5.775111	5.574066	5.709941	4.891489	5.232987	5.184529
PDRG1	ENSG00000088356	-0.55675	5.360081	-7.95187	3.27E-07	2.12E-06	6.461227	6.02962	5.969649	5.927103	5.180897	5.208315	5.265117	6.011586	5.967735	5.961941	5.267203	5.147822	5.137382	4.945733	4.820936	4.72927	5.228777	5.174064	5.184529
EPB41L1	ENSG00000088367	0.92073	5.195592	14.38768	3.99E-11	1.67E-09	15.68659	4.165822	4.230384	4.102541	5.371747	5.351085	5.334836	4.358069	4.307901	4.388669	5.751071	5.572124	5.66235	6.428844	6.459454	6.377914	5.589736	5.449467	5.450971
DOCK9	ENSG00000088387	-0.28426	5.42197	-3.15738	0.005602	0.01053	-3.56584	4.548594	4.495815	4.758481	4.555081	4.447623	4.824468	3.953155	3.924273	4.011347	6.748689	6.807156	6.64416	6.394967	6.306589	6.369317	6.556373	6.494235	6.56923
ANKRD10	ENSG00000088448	0.363758	5.634412	3.791586	0.001397	0.00304	-2.15281	5.53637	5.602793	5.549817	5.851791	5.797458	5.923682	5.80795	5.967735	5.851705	5.516232	5.615362	5.44688	5.93335	5.892207	5.934902	5.14915	5.274377	5.311765
TGDS	ENSG00000088451	-0.29312	4.311397	-3.01854	0.007564	0.013764	-3.54512	4.749336	4.653851	4.772407	4.112999	4.009905	4.096805	4.552561	4.562048	4.497806	4.14101	4.269773	4.398932	4.143408	4.407733	4.27038	4.390642	4.400624	4.510131
DOCK3	ENSG00000088538	-0.40986	3.416886	-1.34406	0.196118	0.248603	-6.27768	4.461995	4.424018	4.55869	2.81607	2.85862	2.697781	3.774765	3.619579	3.957772	3.206534	3.486521	3.164958	3.819988	3.884362	3.962731	3.16242	3.171908	3.065099
C3orf18	ENSG00000088543	-0.32272	1.354358	-2.45743	0.024703	0.039609	-3.96388	2.137484	1.978677	2.194417	1.74141	1.817192	1.757653	1.966276	1.760835	1.918715	1.814181	2.174476	1.73919	1.733794	1.528499	1.947161	1.65509	1.645686	1.775544
COQ9	ENSG00000088682	-0.15503	6.128607	-2.44017	0.025593	0.040906	-5.03349	6.869957	6.8187	6.8588	6.432751	6.493661	6.51202	6.391403	6.333079	6.371418	5.754507	5.801592	5.766779	5.852036	5.819829	5.847842	5.586184	5.665153	5.539435
TMEM40	ENSG00000088726	0.152327	1.007026	0.406034	0.689645	0.737591	-6.71204	1.602421	1.670392	1.706811	0.635873	0.25478	0.746642	0.548589	1.082132	0.515351	1.76051	2.135404	2.243088	2.683738	2.549802	2.675503	3.298901	3.356678	3.079476
KIF9	ENSG00000088727	0.052774	3.577445	0.482852	0.635194	0.688094	-7.25404	3.498536	3.39414	3.28395	2.766336	2.970101	2.605775	2.908934	2.938616	2.959482	4.382206	4.374156	4.395637	4.665059	4.66441	4.635585	4.213151	3.974229	4.203832
CRLS1	ENSG00000088766	0.13697	5.814604	2.78942	0.012348	0.021315	-4.31207	5.832299	5.871329	5.727119	6.028317	5.845033	5.921298	5.797975	5.954347	5.880784	5.617821	5.665936	5.744936	5.789524	5.884342	5.811809	5.987291	5.844183	5.932963
PPP1R13B	ENSG00000088808	0.061845	4.079088	0.802785	0.43288	0.497524	-7.19602	3.476616	3.505362	3.544167	3.041869	3.242978	3.485165	2.667326	2.825515	2.869505	5.167627	5.21026	5.160861	5.32071	5.331874	5.319341	4.939614	5.123998	5.164438
ATRN	ENSG00000088812	0.41351	7.02515	8.386886	1.55E-07	1.13E-06	7.013572	6.890826	6.977602	6.999632	7.447596	7.459453	7.552056	7.275922	7.24091	7.259461	6.723489	6.766977	6.729073	7.054647	6.974767	7.073387	6.79512	6.709457	6.731658
SMOX	ENSG00000088826	-0.18429	6.755614	-1.59126	0.129474	0.173204	-6.44628	8.20196	8.119949	8.171363	8.239503	8.344548	8.281842	8.623237	8.579734	8.644324	5.351299	5.353339	5.437298	4.601127	4.66441	4.755899	5.571885	5.570712	5.518482
FKBP1A	ENSG00000088832	-0.13599	8.253072	-2.56739	0.019685	0.032316	-4.99624	8.16346	8.215874	8.172676	7.986801	7.972524	7.958257	8.301822	8.28419	8.263244	8.475335	8.418372	8.428539	8.308531	8.41073	8.38931	8.258585	8.281956	8.353437
NSFL1C	ENSG00000088833	-0.14951	6.831343	-3.12582	0.005998	0.011194	-3.72866	7.13865	7.162052	7.16711	6.946912	6.954498	6.974295	7.086758	7.193836	7.232643	6.698733	6.607485	6.750511	6.635904	6.569491	6.536073	6.538102	6.527782	6.48263
SLC4A11	ENSG00000088836	2.042223	4.971977	5.566299	3.08E-05	0.000105	1.982112	4.949597	4.95753	4.879222	7.814755	7.682904	7.736227	6.366869	6.442606	6.387717	3.552807	3.313538	3.613714	3.686328	3.503965	3.679472	4.189932	3.88352	4.163911
C20orf194	ENSG00000088854	1.462782	3.348809	19.74209	2.16E-13	3.45E-11	20.75918	2.949211	2.870177	3.133821	4.245952	4.081169	4.233737	3.586698	3.521314	3.681923	2.777267	2.753956	2.693003	4.143408	4.15926	4.12984	3.358427	3.225651	3.444131
ZNF343	ENSG00000088876	-0.1063	4.661259	-1.69508	0.107801	0.147353	-6.15347	4.445163	4.468622	4.37619	4.472198	3.912781	4.121933	4.339849	4.080322	4.17992	5.167627	5.258789	5.251133	5.200343	5.206274	5.198354	5.146741	5.060349	5.11295
EBF4	ENSG00000088881	1.908283	-0.89251	5.059534	8.91E-05	0.000267	1.603536	1.755904	2.039077	2.049454	3.619685	3.747367	3.828257	2.858632	2.451551	2.274723	0.106501	0.185134	0.106501	0.171976	0.26996	0.106501	0.183756	0.106501	0.106501
MAVS	ENSG00000088888	0.530108	7.231637	11.55298	1.31E-09	2.31E-08	11.94834	6.895997	6.812224	6.823565	7.446609	7.482199	7.568906	7.268717	7.258446	7.222457	7.081129	7.156657	7.030387	7.547488	7.485854	7.469539	7.292002	7.224953	7.282911
LZTS3	ENSG00000088899	1.523349	3.342954	8.01735	2.92E-07	1.93E-06	6.914482	3.313074	3.114308	3.347346	4.333937	4.167908	4.264152	3.953155	3.856799	3.856018	2.461296	2.714733	2.581432	4.376523	4.312477	4.261115	2.625227	2.908298	2.59029
XRN2	ENSG00000088930	0.006347	7.968462	0.207442	0.838062	0.865804	-7.91997	7.663143	7.702838	7.705562	7.69692	7.629565	7.671041	7.340346	7.362455	7.432438	8.434684	8.408419	8.403128	8.432269	8.443749	8.466159	8.260815	8.247946	8.242017
KIZ	ENSG00000088970	0.069344	2.710005	0.879417	0.391106	0.456077	-6.57589	3.420312	3.505362	3.500214	3.392671	3.531716	3.459109	3.072345	3.160038	2.937508	2.664903	2.632935	2.473063	2.760241	2.714997	2.661487	2.26534	2.447571	2.200755
DYNLL1	ENSG00000088986	0.002194	8.411235	0.034497	0.972872	0.97747	-7.94389	8.531912	8.499289	8.46942	8.759417	8.706745	8.706169	8.876479	8.843908	8.911369	8.245583	8.184782	8.189778	7.95513	7.983013	8.03808	8.190317	8.183207	8.208477
TESC	ENSG00000088992	0.123405	1.528883	0.362515	0.721314	0.766577	-6.26631	7.233196	7.284837	7.24158	7.282719	7.349318	7.406266	8.436523	8.279904	8.374248	0.106501	0.106501	0.106501	0.171976	0.26996	0.106501	0.106501	0.106501	0.106501
SNX5	ENSG00000089006	-0.05309	7.144952	-1.90068	0.073966	0.105487	-6.13457	7.07716	7.051854	7.046228	7.001668	7.007728	6.99144	7.049405	7.029924	6.920314	7.322477	7.320754	7.312209	7.247323	7.275252	7.289867	7.275553	7.303901	7.275905
RPL6	ENSG00000089009	-0.10867	9.97557	-3.87999	0.00115	0.002556	-2.31635	10.28146	10.26557	10.21303	10.17901	10.1303	10.11206	10.15745	10.17748	10.16937	9.883726	9.811233	9.779034	9.671911	9.731507	9.758131	9.703788	9.757322	9.804884
MAPKAPK!	ENSG00000089022	-0.36465	5.836269	-7.47552	7.63E-07	4.35E-06	5.484021	6.198157	6.22335	6.130008	5.733834	5.800478	5.877705	5.643139	5.943547	5.96466	5.945485	5.991338	6.008106	5.568769	5.677811	5.684176	5.769645	5.661257	5.701584
ESF1	ENSG00000089048	-0.71041	6.304833	-10.1586	9.37E-09	1.12E-07	9.988804	6.636598	6.537848	6.647119	5.598277	5.769991	5.788972	6.34876	6.574465	6.568371	6.665354	6.636634	6.649702	6.152952	6.060794	6.0375	6.374733	6.361294	6.424686
RBBP9	ENSG00000089050	0.565529	5.024746	7.231967	1.19E-06	6.36E-06	5.118351	4.410898	4.629503	4.579961	4.960893	4.752128	4.869675	4.914487	4.831761	4.825493	5.088159	5.169742	5.131452	5.715972	5.878019	5.832286	5.194188	5.227729	5.274758
ANAPC5	ENSG00000089053	0.011151	6.963484	0.264504	0.794486	0.829122	-7.8029	7.396786	7.38641	7.333683	7.468157	7.456584	7.365642	7.092211	7.037562	7.007269	6.74524	6.689012	6.76909	6.714917	6.709608	6.686401	6.585135	6.549018	6.570503
SLC23A2	ENSG00000089057	1.199358	7.120137	4.440538	0.000337	0.000865	-0.83208	7.105111	7.254908	7.198393	9.267977	9.287781	9.33525	8.248491	8.241289	8.300306	5.991347	6.03578	5.955374	5.938063	5.953629	5.973704	6.12465	6.141248	6.072473
SLC8B1	ENSG00000089060	0.325549	4.421555	5.717851	2.26E-05	8.02E-05	2.220285	4.42241	4.446492	4.117166	4.701197	4.675247	4.645422	4.264577	4.413424	4.252911	4.386642	4.47541	4.45065	4.810927	4.657043	4.708971	4.390642	4.486784	4.515429
TMEM230	ENSG00000089063	-0.13057	7.558112	-2.07601	0.052943	0.078295	-5.86794	7.53908	7.607579	7.538379	7.267158	7.232314	7.21225	7.57555	7.482034	7.469279	7.744044	7.714152	7.759391	7.761012	7.789825	7.765755	7.573439	7.569563	7.588306
DZANK1	ENSG00000089091	0.169649	2.943057	2.955999	0.008653	0.015494	-3.53831	2.505419	2.425906	2.351095	2.48816	2.299368	2.5075	2.102195	2.255906	2.127218	3.87036	4.045764	3.973292	4.143408	4.220515	4.124741	3.806044	3.765107	3.814473
KDM2B	ENSG00000089094	-0.43395	4.836784	-6.39023	5.89E-06	2.51E-05	3.550397	5.346988	5.198371	5.097747	4.753186	4.955466	4.824468	5.015513	5.007978	4.895553	4.822817	4.896447	5.039448	4.467344	4.416485	4.546874	4.942395	4.801884	4.969789
TASP1	ENSG00000089123	0.162826	4.18882	1.946725	0.067823	0.097704	-5.70895	3.385444	3.382531	3.466347	3.966538	4.020303	3.907468	3.072345	3.285084	3.084728	5.035466	5.046155	5.141322	5.113436	5.046305	5.151487	4.956223	4.949728	5.06679
OAS1	ENSG00000089127	-0.12896	6.943148	-1.3322	0.199905	0.252886	-6.95625	6.381852	6.384795	6.306268	6.701082	6.764994	6.519918	6.947802	6.79778	6.714435	7.399115	7.413494	7.443648	6.883809	7.019976	7.026312	7.43908	7.545991	7.512182
GCN1	ENSG00000089154	-0.24908	8.188396	-5.60906	2.82E-05	9.74E-05	1.543187	8.298832	8.2775	8.316637	7.979999	8.120019	8.138368	7.906333	7.813946	7.814159	8.533992	8.564109	8.426724	8.31035	8.131932	8.253703	8.220708	8.178786	8.197808
RPLP0	ENSG00000089157	-0.16156	10.63055	-3.28558	0.004238	0.008201	-3.63848	11.19283	11.16096	11.16697	11.177	11.19568	11.13218	11.25203	11.19243	11.2068	10.35209	10.20847	10.16598	9.900899	9.924293	9.925819	10.04134	10.06341	10.1091
PXN	ENSG00000089159	-0.73426	7.899842	-3.63673	0.001963	0.00414	-2.7356	8.440034	8.435415	8.464067	6.79243	6.755688	6.776177	7.404209	7.34717	7.471193	8.283834	8.207036	8.337676	8.353762	8.265091	8.264755	8.223283	8.189644	8.309134
RPH3A	ENSG00000089169	0.87945	-0.59143	2.805298	0.011939	0.020661	-2.95963	2.438959	2.513665	2.600444	3.533117	3.112982	3.335661	4.528631	4.482206	4.776822	0.106501	0.106501	0.106501	0.106501	0.190544	0.106501	0.183756	0.106501	0.214669
KIF16B	ENSG00000089177	0.559743	4.966638	10.46736	5.95E-09	7.80E-08	10.60877	5.011887	5.144404	5.090354	5.601826	5.634408	5.519514	4.980658	5.018308	4.726452	4.641707	4.696209	4.635187	5.248563	5.206274	5.253122	4.733454	4.633169	4.494122
TRMT6	ENSG00000089195	-0.87114	6.208311	-14.9293	2.19E-11	1.10E-09	16.24634	6.271602	6.331453	6.309455	5.195063	5.176125	5.223158	6.138227	5.9217	5.967373	6.903724	6.877662	6.943368	6.201776	6.186363	6.223102	6.748203	6.707569	6.813498
CHGB	ENSG00000089199	1.501359	0.412326	6.138982	9.66E-06	3.85E-05	3.682078	3.936145	3.912946	3.773804	5.388282	5.266255	5.341983	4.83866	4.703199	4.956916	0.190076	0.106501	0.106501	0.171976	0.190544	0.186984	0.183756	0.19538	0.214669
PEBP1	ENSG00000089220	0.257723	6.734833	3.419819	0.00316	0.0063	-3.048	7.577561	7.605084	7.602796	7.813225	7.884192	7.835142	7.797892	7.800541	7.69888	5.776643	5.773236	5.816905	6.05873	6.025473	6.051003	5.432436	5.502682	5.491856
BRAP	ENSG00000089234	0.283645	5.024554	4.051904	0.000788	0.001834	-1.48445	4.937612	4.791891	4.739702	4.982834	5.133653	5.102104	5.248226	5.002785	5.179186	4.99537	4.948095	5.155027	5.345753	5.320261	5.301375	4.996928	4.959278	5.119922
ERP29	ENSG00000089248	0.312247	7.813846	3.255424	0.004526	0.0087	-3.53496	7.720225	7.652978	7.687303	8.41164	8.339885	8.400826	8.094681	8.081136	8.148969	7.612482	7.530115	7.666076	7.570813	7.520264	7.538744	7.644764	7.569044	7.581377
FUS	ENSG00000089280	-0.87318	8.731765	-22.4404	2.49E-14	9.86E-12	23.09383	9.36751	9.358473	9.384642	8.624613	8.606354	8.577354	9.376239	9.374583	9.426172	8.77741	8.71956	8.718875	7.76068	7.754881	7.775549	8.541881	8.520218	8.575098
IGBP1	ENSG00000089289	0.139503	6.332206	1.347792	0.194937	0.247326	-6.88119	6.718262	6.77608	6.678272	6.386177	6.430738	6.435578	6.087259	6.040494	5.980865	6.193468	6.215126	6.217593	6.71423	6.769759	6.689858	5.943536	6.053325	5.987349
FXYD5	ENSG00000089327	-0.02183	7.245238	-0.46038	0.650923	0.70209	-7.75828	6.951681	6.964035	6.892132	6.993586	7.040026	7.064546	7.294962	7.248608	7.307368	7.348857	7.226296	7.467773	7.263841	7.207527	7.223442	7.666796	7.682451	7.749277
ZNF302	ENSG00000089335	0.341582	4.560147	3.590828	0.002172	0.004526	-2.41869	4.25866	4.043996	4.332993	3.988393	4.258538	4.30129	4.528631	4.62424	4.542164	4.656475	4.706242	4.623968	5.109264	5.173088	5.220033	4.811595	4.933671	5.119922
GRAMD1A	ENSG00000089351	0.678015	5.61197	8.107667	2.50E-07	1.69E-06	6.694113	6.046458	6.03228	6.156798	6.701082	6.935393	6.799727	5.757368	5.813157	5.833973	4.728129	4.872886	4.869357	5.489122	5.370673	5.391172	4.841704	5.121165	4.86164
FXYD3	ENSG00000089356	0.415788	2.221757	7.694664	5.15E-07	3.11E-06	5.913073	0.216396	0.215206	0.323815	0.106501	0.25478	0.2349	0.269385	0.253663	0.256032	6.96951	6.951224	6.986712	7.374888	7.39301	7.435453	7.260586	7.297014	7.281357
CDIP1	ENSG00000089486	0.336341	4.739721	2.755012	0.013281	0.022734	-4.25511	3.476616	3.695626	3.55495	4.619522	4.500575	4.735009	4.330652	4.080322	4.151567	5.373815	5.446069	5.417941	5.55042	5.29912	5.491637	5.535505	5.712977	5.478356
CMTM1	ENSG00000089505	-0.4793	0.350766	-1.48243	0.156031	0.203736	-5.33854	1.602421	1.631689	1.499186	1.840866	1.556428	2.164723	1.459147	1.231675	1.01237	1.388276	1.190799	1.158083	0.745413	0.484926	0.593579	1.017342	1.118494	1.058313
GANAB	ENSG00000089597	-0.3581	9.63116	-13.4544	1.18E-10	3.66E-09	14.31393	9.47455	9.514031	9.459716	9.150218	9.098638	9.17541	9.540306	9.523434	9.515792	10.07793	9.984073	9.998665	9.666508	9.647223	9.628022	9.978113	9.978399	9.984408
GMIP	ENSG00000089639	0.573214	3.48096	2.028181	0.058064	0.0851	-5.29095	4.117062	4.021717	4.138828	3.041869	3.457132	3.306732	3.115825	3.384264	3.557782	3.013555	2.980302	2.902498	4.362569	4.264807	4.381435	3.756329	3.72088	3.571657
RBM41	ENSG00000089682	0.186344	3.984103	2.506214	0.022344	0.03618	-4.4786	4.192962	4.299916	4.087767	4.502891	4.439897	4.518705	4.544628	4.413424	4.17992	3.730807	3.793073	3.674791	3.691919	3.927863	3.799527	3.787601	3.948889	3.865145
BIRC5	ENSG00000089685	-1.85915	5.841189	-6.92877	2.09E-06	1.04E-05	4.556275	6.403797	6.24755	6.227583	5.573188	5.575689	5.608136	6.830364	6.961978	6.850006	6.485787	6.374623	6.506612	3.617489	3.752319	3.470269	6.51119	6.356484	6.469044

MLF2	ENSG00000089693	0.821066	7.743935	12.28876	4.96E-10	1.08E-08	12.92617	6.88979	6.995812	6.946372	7.937096	8.057652	7.918175	8.09536	8.068143	8.06595	7.326523	7.405305	7.463453	8.009034	8.054845	8.038419	8.118042	8.122526	8.009795
OTUB2	ENSG00000089723	-1.49883	2.623713	-9.60509	2.17E-08	2.23E-07	9.497586	2.296082	2.332462	2.049454	1.634586	1.768674	1.250575	1.240874	1.231675	1.674905	4.660143	4.540416	4.801266	3.18974	3.162755	3.263113	4.752597	4.660745	4.762652
DDX24	ENSG00000089737	0.083393	7.777973	1.744473	0.098635	0.136196	-6.44233	7.378432	7.333883	7.317153	7.557676	7.628715	7.610927	7.383234	7.421052	7.420606	8.158135	8.096307	8.11812	8.082173	8.054495	8.068606	8.152982	8.164753	8.181655
ZBTB25	ENSG00000089775	-0.36562	3.364996	-4.57137	0.000254	0.000674	0.016593	3.738482	3.628412	3.576275	3.376187	3.225109	3.59692	3.690999	3.285084	3.406029	3.812196	3.640966	3.774554	3.266686	3.470735	3.326666	3.383205	3.366281	3.509302
NECAP1	ENSG00000089818	-0.25698	5.438332	-4.18266	0.000592	0.001422	-1.26308	5.104131	5.263109	5.097747	4.927344	4.922581	5.063714	5.63569	5.567996	5.574002	5.735507	5.807818	5.824276	5.497128	5.501884	5.461619	5.895544	5.777374	5.859884
ARHGAP4	ENSG00000089820	0.195434	2.916108	0.759957	0.45741	0.521108	-6.37156	5.549554	5.617724	5.796906	5.794018	5.847955	5.730269	6.380303	6.305929	6.365259	0.834246	1.112482	0.846782	1.524131	1.320413	1.209118	0.974502	0.816175	0.580851
ANKRD24	ENSG00000089847	0.134773	-0.02393	0.498192	0.624559	0.678898	-6.31466	1.12723	1.118985	0.756332	1.182548	0.389229	1.188496	0.983587	0.509405	0.735084	1.028404	1.152172	1.305813	1.308151	1.591687	1.284217	1.099384	1.16325	0.93723
DHX32	ENSG00000089876	0.604622	5.20854	7.807353	4.22E-07	2.63E-06	6.20486	5.655787	5.642269	5.541709	5.89871	5.930216	6.04688	5.469665	5.477302	5.566863	4.464232	4.517806	4.581101	5.354592	5.363901	5.371934	4.595365	4.559742	4.488745
RCOR1	ENSG00000089902	1.075203	5.74912	7.823151	4.10E-07	2.56E-06	6.160562	4.42241	4.429669	4.458888	6.171319	6.177895	6.172458	6.037254	6.107342	6.049058	5.398183	5.559265	5.361641	6.038027	6.013985	6.049658	6.534419	6.488751	6.578118
GPATCH2L	ENSG00000089916	-0.37731	5.787576	-4.03734	0.000814	0.001886	-1.65165	5.944347	5.926333	5.914599	5.1029	5.104628	5.143594	5.555064	5.686091	5.474506	6.18458	6.277022	6.092941	6.068434	6.114225	6.102489	5.969675	6.014158	5.998741
LTBP4	ENSG00000090006	0.35586	5.828271	4.144436	0.000644	0.00153	-1.40102	5.496078	5.718121	5.764758	5.720837	5.927456	5.691628	6.084526	5.999368	6.121501	5.460519	5.693098	5.63746	6.164057	6.146148	6.056369	5.958727	5.977034	5.765225
BLVRB	ENSG00000090013	-0.17491	5.734635	-2.01933	0.05906	0.086364	-5.74086	5.997269	5.916304	5.895639	6.041444	6.196355	5.935541	5.997126	6.085402	6.111723	5.642139	5.514285	5.797063	5.265535	5.170503	5.227188	5.690788	5.661257	5.590523
SLC9A1	ENSG00000090020	-0.38114	6.710806	-2.86211	0.010579	0.018563	-4.26564	7.59547	7.557483	7.623431	6.72406	6.711452	6.82545	6.856232	6.712874	6.776094	6.388521	6.343889	6.306242	6.440516	6.418651	6.387525	6.445064	6.43501	6.512078
SPTLC1	ENSG00000090054	0.122854	6.705201	2.177084	0.043446	0.065516	-5.59979	6.680407	6.734449	6.665891	6.789321	6.744756	6.712811	7.082655	7.116612	6.971222	6.54055	6.50966	6.490487	6.672421	6.669899	6.727345	6.579786	6.636931	6.626654
PAPOLA	ENSG00000090060	-0.01076	7.820183	-0.29364	0.772494	0.811164	-7.87302	7.642988	7.688768	7.673145	7.649698	7.617629	7.664642	7.770946	7.896066	7.765097	7.971812	7.982917	7.881597	7.932579	7.932422	7.966494	7.969151	7.91041	7.96597
CCNK	ENSG00000090061	-0.56721	6.17697	-7.23312	1.19E-06	6.35E-06	4.979122	6.610415	6.591773	6.534505	5.812513	5.624218	5.622881	6.037254	5.991525	6.038775	6.537562	6.44222	6.472617	6.17208	6.176092	6.189309	6.188132	6.220153	6.299774
PCBP4	ENSG00000090097	0.882328	3.513009	5.357688	4.76E-05	0.000155	1.715145	3.801557	3.863696	3.906009	4.031135	4.1957	3.982555	3.853933	3.698786	3.979442	2.693825	2.753956	2.671369	4.097807	4.011117	4.01878	3.341669	3.431768	3.31642
YPEL3	ENSG00000090238	1.290529	2.838656	7.76794	4.52E-07	2.78E-06	6.462509	2.548084	2.55562	2.37563	2.864145	3.188693	2.455733	2.186178	2.568641	2.670735	2.763691	3.023743	2.930089	4.397206	4.358622	4.464508	3.083983	3.347011	3.162857
MRPS33	ENSG00000090263	-0.00295	6.018039	-0.05001	0.960682	0.967543	-7.73259	6.292142	6.464039	6.377849	6.183212	6.137866	6.246684	6.089987	6.090306	6.206646	5.763061	5.870134	5.848577	5.98094	5.987797	6.000398	5.791406	5.629711	5.780706
NDUFB2	ENSG00000090266	-0.11014	6.09823	-2.59376	0.018634	0.030722	-4.7222	6.630407	6.655861	6.607531	6.594678	6.53232	6.391483	6.495888	6.558627	6.568371	5.733768	5.776414	5.790806	5.634118	5.733157	5.671993	5.689133	5.547687	5.565205
NUDC	ENSG00000090273	-0.29126	7.653701	-5.49515	3.57E-05	0.00012	1.339797	7.689586	7.701671	7.63618	7.25594	7.336892	7.269593	7.319577	7.407361	7.326517	7.911915	7.919285	7.984419	7.759016	7.752291	7.690535	8.025654	8.001037	7.91427
MAEA	ENSG00000090316	-0.23384	6.883689	-3.16887	0.005464	0.010303	-3.66173	6.916495	6.953285	6.936098	6.402548	6.623812	6.430558	6.57201	6.417458	6.573723	7.054894	7.128952	7.271446	7.132263	7.083867	7.06742	7.278858	7.182098	7.111611
ICAM1	ENSG00000090339	0.010145	4.59185	0.056274	0.955762	0.963244	-7.50952	4.199669	4.268725	4.215584	3.162124	3.394558	3.432575	4.851577	4.790167	4.825493	5.012691	4.989766	4.956908	5.450064	5.280064	5.308139	5.201172	5.334317	5.227124
STRN4	ENSG00000090372	-0.35111	7.194708	-5.84984	1.73E-05	6.37E-05	2.113862	7.035598	7.014736	7.132437	6.472063	6.650835	6.570993	6.739468	6.581449	6.622742	7.705065	7.688653	7.85065	7.561681	7.483773	7.490998	7.769435	7.687247	7.639542
MUL1	ENSG00000090432	0.307252	5.944534	7.377977	9.11E-07	5.05E-06	5.281126	5.557407	5.496413	5.408347	5.818626	5.847955	5.862876	5.904087	6.014928	5.94827	5.988432	5.936987	6.016711	6.307533	6.20921	6.211124	6.377818	6.294965	6.240231
TFAP4	ENSG00000090447	-0.22499	4.203047	-2.9005	0.009746	0.01726	-3.8181	3.454357	3.59862	3.638424	3.591402	3.759832	3.666886	4.143751	4.203129	4.16108	4.755823	4.752166	4.961372	4.555854	4.398927	4.464508	5.03391	5.045483	4.99276
PDCD7	ENSG00000090470	-0.63671	5.693016	-7.33101	9.93E-07	5.45E-06	5.237224	5.98955	6.041536	5.93744	5.05192	4.911451	5.024275	5.93476	5.676339	5.822029	5.984048	5.928441	6.022062	5.591381	5.534411	5.69969	5.881119	5.997261	5.977786
SPG21	ENSG00000090487	0.168554	6.630017	3.788063	0.001408	0.003058	-2.28969	6.689964	6.734449	6.705141	6.866584	6.803133	6.83054	6.55434	6.53903	6.495043	6.497112	6.45517	6.541317	6.680177	6.721134	6.717217	6.608965	6.534186	6.637627
DNAJB11	ENSG00000090520	-0.15954	6.524173	-1.97673	0.064069	0.092926	-5.93852	6.428271	6.432017	6.398948	6.601785	6.495526	6.508848	6.508178	6.522796	6.447246	6.640499	6.644483	6.693963	6.236622	6.369917	6.26889	6.895416	6.791932	6.842239
P3H2	ENSG00000090530	1.260695	7.341891	5.894938	1.58E-05	5.89E-05	2.358688	9.079002	9.07878	9.010956	10.11386	10.01917	10.06627	9.827391	9.805408	9.81727	4.623032	4.588222	4.598401	6.274378	6.221748	6.309903	4.566809	4.328771	4.311289
RAB11FIP3	ENSG00000090565	0.121335	5.485942	2.301234	0.033929	0.052549	-5.19709	5.819295	5.846194	5.794633	5.860706	6.059364	5.877705	5.771031	5.758745	5.713073	5.088159	5.167323	5.115519	5.287859	5.213825	5.250784	5.342644	5.287071	5.102428
GNPTG	ENSG00000090581	0.486194	5.931903	5.823788	1.82E-05	6.64E-05	2.211325	6.044597	6.03599	6.135406	6.787763	6.872214	6.835612	5.93476	5.910652	5.986227	5.66057	5.533197	5.671915	5.891445	5.776294	5.821296	5.473398	5.493948	5.365554
ZNF268	ENSG00000090612	0.97521	5.137517	16.13305	6.17E-12	4.39E-10	17.62611	4.351916	4.406929	4.229112	5.388282	5.338674	5.171943	5.193472	5.400404	5.287386	4.899309	4.857962	4.71666	5.661447	5.809899	5.789427	5.496293	5.64557	5.63013
GOLGA3	ENSG00000090615	-0.23407	6.943973	-6.41172	5.64E-06	2.42E-05	3.305586	7.314994	7.275453	7.356974	7.060883	7.018142	6.994845	7.210995	7.125001	7.171593	6.846112	6.934961	6.815444	6.703199	6.659798	6.695887	6.654627	6.676065	6.697111
PABPC4	ENSG00000090621	-0.3059	7.906899	-5.23037	6.21E-05	0.000195	0.771611	8.391438	8.379937	8.420514	7.879051	7.869169	7.854636	8.166222	8.185087	8.210391	7.71524	7.667839	7.742956	7.637521	7.589622	7.630642	7.698814	7.694889	7.704177
CERS4	ENSG00000090661	-0.16061	2.748685	-0.86229	0.400206	0.465583	-6.48248	4.351916	4.360345	4.332993	3.944346	4.240862	3.97338	4.068294	4.203129	4.322386	2.14259	2.115463	1.820066	2.314863	1.970168	2.276326	1.250674	1.581179	1.504318
MCOLN1	ENSG00000090674	0.468628	3.467677	2.011296	0.059976	0.087587	-5.30246	2.568952	2.71221	2.883112	4.254996	4.343809	4.210498	3.539581	3.477062	3.681923	3.576295	3.913441	3.91004	3.581798	3.528394	3.533199	3.842237	3.603991	3.725851
USP48	ENSG00000090686	0.22935	6.213201	2.219741	0.039929	0.060733	-5.46081	6.239421	6.323886	6.207222	6.92583	6.772703	6.928742	6.415526	6.537235	6.37551	5.984048	6.00495	6.048527	5.828117	5.819829	5.958022	5.953221	5.884837	6.000631
EFNB1	ENSG00000090776	0.319741	2.711657	2.583197	0.019049	0.031336	-3.89037	3.701161	3.608619	3.871922	3.988393	3.978251	3.897801	4.174919	4.09991	4.093134	1.388276	1.967585	1.780195	2.129525	1.993753	2.058312	2.448672	2.315011	2.200755
PDPR	ENSG00000090857	-0.05906	5.912285	-0.79047	0.439849	0.504328	-7.37855	6.515513	6.45852	6.577441	6.454505	6.259165	6.470234	6.382529	6.318523	6.284872	5.615934	5.737805	5.55125	5.703571	5.530385	5.659706	5.122419	5.009167	5.243178
AARS1	ENSG00000090861	-0.43037	8.163649	-7.86163	3.83E-07	2.42E-06	5.99036	8.464603	8.426257	8.446079	8.155064	8.124243	8.172843	8.083774	8.048117	8.073526	8.418801	8.330827	8.371193	7.85683	7.796126	7.820394	8.158973	8.110434	8.182072
GLG1	ENSG00000090863	0.218182	7.615235	2.140739	0.046665	0.069816	-5.75905	7.390205	7.342147	7.250728	7.897938	7.832021	7.912186	7.224713	7.284357	7.274877	7.779049	7.735947	7.710508	7.67435	7.651633	7.700423	7.869644	7.825067	7.857001
KIF4A	ENSG00000090889	-1.86079	5.113996	-7.57975	6.33E-07	3.70E-06	5.918119	5.795144	5.798943	5.690917	4.869634	4.917027	4.965334	6.062473	6.301706	6.1928	5.745902	5.657342	5.698897	2.902055	3.04352	3.010124	5.436388	5.485161	5.575386
TNRC6A	ENSG00000090905	0.209541	7.136093	4.445485	0.000333	0.000857	-0.87806	7.107787	7.018491	7.042402	7.384094	7.325407	7.437461	7.501671	7.464198	7.491129	6.922174	6.914191	6.819138	7.00498	6.921193	7.013954	7.079136	7.023491	7.171559
PLEKHG2	ENSG00000090924	1.1813	5.503912	7.342521	9.72E-07	5.35E-06	5.393214	5.596044	5.7433	5.929176	7.26604	7.227834	7.325645	7.133784	6.972641	7.045009	4.146251	4.176619	4.227925	4.665059	4.604394	4.712374	4.289412	4.419196	4.399883
DLL3	ENSG00000090932	-0.45325	2.083745	-3.81644	0.001323	0.002895	-1.29154	2.90065	2.91921	3.090013	2.577385	2.549605	2.532704	2.446718	2.481727	2.616448	2.18395	2.115463	2.485514	1.878105	1.946191	2.07955	2.384669	2.078458	2.091498
NAT14	ENSG00000090971	0.490689	4.622524	7.990315	3.06E-07	2.01E-06	6.521097	3.801557	3.912946	3.897563	4.041626	4.071202	4.233737	3.507292	3.384264	3.681923	5.300492	5.391149	5.427652	5.977511	5.920171	5.884506	5.461813	5.389513	5.201061
PITPNM2	ENSG00000090975	-0.35743	4.20184	-1.77313	0.093633	0.130198	-5.7237	5.282121	5.352102	5.460888	5.359221	5.435093	5.2875	5.374422	4.849227	5.121883	3.50465	3.640966	3.567612	2.694919	2.627242	2.730245	3.865871	3.546022	3.805852
EXOC1	ENSG00000090989	0.318626	5.322844	2.698454	0.014965	0.025284	-4.40899	5.541658	5.685425	5.633581	5.547654	5.446705	5.566032	5.708501	5.669801	5.605699	4.905504	4.922503	4.862213	5.50191	5.625928	5.58556	4.838721	4.940116	4.906683
RBM27	ENSG00000091009	0.005627	4.533083	0.096647	0.924107	0.937936	-7.476	4.363907	4.293732	4.275483	4.400654	4.408574	4.218286	4.651903	4.722281	4.626988	4.724629	4.827642	4.623968	4.656506	4.729072	4.745971	4.805497	4.877699	4.789136
OSBPL8	ENSG00000091039	-0.01739	5.820461	-0.22362	0.825644	0.855597	-7.67854	5.885257	5.893992	5.812715	6.183212	6.137866	6.096318	5.907184	5.935393	5.892253	5.808398	5.867156	5.852187	5.455005	5.708425	5.594809	5.689133	5.739082	5.785098
DTX2	ENSG00000091073	0.071495	4.659249	1.205175	0.2442	0.302027	-6.81846	4.595114	4.533044	4.641955	4.479932	4.515354	4.499659	4.111894	3.988732	4.243986	5.024124	4.978771	5.052059	5.233307	5.1936	5.103047	4.950708	4.884398	4.910709
PUS7	ENSG00000091127	-0.15351	5.882756	-1.79922	0.089274	0.124721	-6.14702	6.152226	6.22335	6.224209	6.05186	6.263548	6.261836	5.931722	5.783182	5.782514	5.829728	5.814017	5.849781	5.613644	5.455925	5.611309	5.775896	5.854454	5.868189
NRCAM	ENSG00000091129	0.808313	4.333184	3.040569	0.007213	0.013213	-2.95338	7.616922	7.69406	7.650074	8.467173	8.32633	8.460733	8.349842	8.315942	8.279712	1.278001	1.152172	1.248523	2.027088	1.946191	2.220059	0.63264	0.975239	0.999041
LAMB1	ENSG00000091136	0.551413	8.722155	6.729534	3.05E-06	1.42E-05	3.871928	10.02438	10.02113	10.07412	10.70981	10.63416	10.70407	10.52409	10.49813	10.54955	6.656198	6.662632	6.553934	7.146076	6.908064	7.072726	7.489398	7.433448	7.453367
DLD	ENSG00000091140	-0.25095	7.080645	-4.35961	0.000402	0.001011	-1.04041	7.937893	7.967061	7.887713	7.659948	7.573295	7.645996	7.890773	7.922432	7.863065	6.504273	6.534276	6.563508	6.303887	6.372168	6.364998	6.200965	6.177154	6.307429
WDR7	ENSG00000091157	0.312364	3.575435	3.076435	0.006675	0.012325	-3.23673	3.719942	3.647938	3.65856	4.281793	4.327153	4.264152	3.866715	3.90213	3.681923	3.536933	3.447177	3.393562	3.5452	3.357127	3.486261	3.383205	3.571152	3.498643
TXNL1	ENSG00000091164	-0.33018	5.426362	-4.02533	0.000836	0.001931	-1.44088	7.099743	7.024105	7.064264	6.746677	6.706631	6.677936	7.094929	7.133342	7.159779	4.13575	4.132653	4.278887	3.865227	3.940055	4.013272	3.830273	3.779553	3.984547
CMTM6	ENSG00000091317	0.228337	7.152867	6.067122	1.12E-05	4.37E-05	2.561775	6.489753	6.410744	6.464749	6.838281	6.740045	6.803615	6.534451	6.627726	6.502546	7.666828	7.702504	7.711171	7.811965	7.859679	7.851979	7.638346	7.62211	7.677843
ITGA6	ENSG00000091409	0.747972	6.621492	4.062471	0.00077	0.001796	-1.60478	6.312393	6.352432	6.188303	7.698579	7.542061	7.683753	7.980977	8.02589	7.936914	5.501993	5.542561	5.39172	5.539608	5.487419	5.471694	6.98042	6.905782	6.982725
RAPGEF4	ENSG00000091428	0.138497	0.030133	0.465421	0.647376	0.699059	-6.13056	2.505419	2.403106	2.579475	2.661411	2.299368	2.346268	2.303642	2.108984	2.202855	0.190076	0.398185	0.288049	0.5125	0.612281	0.263213	0.393424	0.433238	0.497646
MAP3K20	ENSG00000091436	-0.70319	6.571747	-16.5438	4.08E-12	3.23E-10	17.97262	7.59547	7.522871	7.516482	6.770523	6.746323	6.816499	7.244436	7.286496	7.165698	6.251766	6.2759	6.201645	5.594369	5.618361	5.668493	6.08995	6.060737	6.178124
FH	ENSG00000091483	-0.44297	6.734817	-10.9404	3.03E-09	4.52E-08	11.15878	7.842564	7.875821	7.879695	7.541135	7.430506	7.421526	7.65783	7.77792	7.713501	6.028718	5.980355	6.129102	5.511428	5.562284	5.627622	5.902702	5.849327	5.804702
SEL1L3	ENSG00000091490	-0.36769	6.853646	-2.08773	0.051752	0.076765	-5.72938	7.446968	7.408758	7.393475	6.691121	6.52686	6.687786	8.305348	8.303853	8.355726	6.108753	6.179557	6.107112	6.204712	6.221748	6.212326	6.538102	6.455398	6.479923
CDV3	ENSG00000091527	-0.20583	7.890976	-5.22582	6.27E-05	0.000196	0.760989	8.216912	8.221179	8.196973	8.022325	7.914473	7.935405	8.162987	8.21795	8.107749	7.830827	7.740837	7.811934	7.620032	7.642803	7.644069	7.599225	7.613064	7.653424
ALKBH5	ENSG00000091542	-0.0833	6.514976	-1.04895	0.30849	0.370911	-7.21932	6.740277	6.713753	6.733892	6.827712	6.987996	6.850722	6.88479	6.772065	6.808235	6.300766	6.299289	6.283249	6.017022	6.003857	5.942167	6.504618	6.375629	6.523954
NLRP1	ENSG00000091592	0.086048	2.438104	0.842734	0.410762	0.475688	-7.11782	0.503316	0.8079	0.898566	1.457877	1.307481	1.310092	0.548589	1.001115	0.515351	5.364851	5.344801	5.197272	5.26928	5.308554	5.358964	4.853574	5.045483	5.230349
PITPNM3	ENSG00000091622	-0.06731	2.978634	-0.33485	0.74172	0.78411	-7.38991	3.17016	2.853456	2.916938	1.519216	1.612488	1.714252	1.240874	0.824004	0.833554	4.809665	4.641483	4.735026	4.948071	4.79096	4.863891	4.856526	4.854006	4.567359
SPAG7	ENSG00000091640	-0.24226	5.894879	-4.38628	0.000379	0.000961	-0.84023	6.77549	6.779404	6.816862	6.388234	6.499248	6.418777	6.495888	6.48419	6.584368	5.411303	5.329736	5.442097	5.256131	5.345687	5.280893	5.20581	5.009167	5.084719
ORC6	ENSG00000091651	-2.19493	4.61216	-8.06106	2.71E-07	1.81E-06	6.891633	5.423458	5.533626	5.56323	4.562385	4.376555	4.372816	5.515028	5.550308	5.541593	5.424305	5.331897	5.285361	2.25569	2.416542	2.257813	5.127316	4.993761	5.167806
ZFHX4	ENSG00000091656	0.221057	3.46744	1.526533	0.14477	0.190693	-6.10934	3.487617	3.686213	3.88052	3.255206	3.242978	3.292047	3.296733	3.415864	3.373665	3.599408	3.799336	3.48321	4.135224	4.051009	4.311352	3.383205	3.37582	3.716682
ZC3HC1	ENSG00000091732	-0.44243	5.013105	-6.62357	3.74E-06	1.70E-05	4.00009	5.670345	5.683061	5.693359	5.1029	5.079986	5.114677	5.473848	5.567996	5.427983	4.893087	4.799799	4.972471	4.571104	4.585115	4.667494	4.584723	4.508628	4.694231
RGS17	ENSG00000091844	-1.62906	0.452779	-8.3327	1.70E-07	1.22E-06	7.543683	1.384302	1.327092	1.406977	0.52061	0.389229	0.746642	1.074544	0.824004	1.171446	1.787595	2.285719	2.152295	1.218025	0.986036	1.08859	1.708352	2.254246	1.942153
TMEM101	ENSG00000091947	0.009131	4.952772	0.153982	0.879388	0.901412	-7.55942	5.285277	5.059469	5.152017	4.99368	5.119213	5.068031	4.956946	4.747338	5.072328	4.983707	4.967692	5.056239	5.150455	5.101623	5.034009	4.835732	4.725598	4.698895
CCDC80	ENSG00000091986	0.497594	4.795262	3.499344	0.002655	0.005408	-2.6985	4.42241	4.299916	4.574673	5.59472	5.48099	5.608136	3.988671	4.282412	3.957772	5.286319	5.100422	5.249309	5.313474	5.24855	5.257788	4.365992	4.588743	4.712796
PSME1	ENSG00000092010	0.262629	7.839276	5.807168	1.88E-05	6.83E-05	1.975186	7.376953	7.39438	7.283513	7.393339	7.485017	7.458985	7.3219	7.322372	7.316974	8.17522	8.087698	8.141912	8.508506	8.539003	8.531916	8.270532	8.28354	8.338571
PPP2R3C	ENSG00000092020	-0.21244	4.521973	-4.04485	0.000801	0.001859	-1.37554	5.004246	5.116644	5.045184	5.015132	4.894593	4.874612	4.681143	4.80814	4.776822	4.569418	4.521599	4.45065	4.218931	4.24529	4.242405	3.962207	4.094656	4.058989
HAUS4	ENSG00000092036	-0.26585	3.145241	-2.58921	0.018811	0.030996	-4.08088	3.541402	3.944869	3.773804	3.425084	3.295295	3.485165	3.555458	4.060466	3.796224	2.978724	2.958081	3.060643	2.749557	2.875953	2.99902	2.979529	2.985098	3.135595
OSGEP	ENSG00000092094	-0.3217	4.361879	-3.36426	0.003569	0.007019	-2.86415	4.548594	4.262405	4.345467	3.851999	3.670226	3.765857	4.274204	4.562048	4.3476	4.742042	4.799799	4.862213	4.673561	4.649638	4.639165	4.755763	4.555551	4.520707
SLC22A17	ENSG00000092096	2.414493	-1.35506	5.859537	1.69E-05	6.26E-05	3.134736	1.475543	1.551021	1.30847	3.714523	3.867423	3.91707	2.832807	2.511284	2.77354	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RNF31	ENSG00000092098	0.164129	4.326358	1.831785	0.084081	0.11822	-5.9414	3.420312	3.196163	3.190238	3.944346	4.158524	3.744443	3.158032	3.141256	3.124172	5.393783	5.417853	5.408164	5.411614	5.40626	5.433027	5.378002	5.348921	5.249549
SCFD1	ENSG00000092108	0.084225	6.379832	1.39312	0.18105	0.231855	-6.8327	6.152226	6.146502	5.869964	5.895822	5.949389	5.935541	6.040078	6.050595	5.892253	6.77684	6.714091	6.711956	6.933033	6.991704	6.951967	6.708723	6.712283	6.737337
G2E3	ENSG00000092140	-0.14262	5.334492	-1.94486	0.068063	0.09799	-5.86444	4.702888	4.424018	4.526184	4.784753	4.745876	4.531264	4.914487	5.093515	4.895553	6.161471	6.111977	6.091924	5.812803	5.927843	5.818141	6.072282	6.023291	6.109724
HECTD1	ENSG00000092148	-0.02194	7.780189	-0.38829	0.702492	0.749876	-7.84513	7.318849	7.368132	7.412126	7.460359	7.510137	7.643829	7.463262	7.468913	7.370233	8.227462	8.342132	8.158288	8.033736	8.099349	8.054597	8.111878	8.032664	8.092756
HNRNPC	ENSG00000092199	-0.15137	9.651169	-5.38924	4.45E-05	0.000146	0.998323	9.7382	9.721916	9.715221	9.564951	9.524427	9.5889	9.840612	9.840217	9.866981	9.669413	9.595168	9.629806	9.461661	9.520136	9.497141	9.65046	9.656611	9.672736
SUPT16H	ENSG00000092201	-0.30222	8.488247	-9.20092	4.08E-08	3.77E-07	8.277052	7.949876	7.919654	7.885579	7.532793	7.48783	7.624178	7.740886	7.873483	7.741513	9.339979	9.319725	9.309025	9.059032	9.072661	9.084052	9.308733	9.313983	9.310307
TOX4	ENSG00000092203	0.320593	6.868532	5.466631	3.79E-05	0.000127	1.328505	6.111912	6.056225	5.968016	6.168929	6.214581	6.308185	6.330422	6.280406	6.265158	7.471887	7.412473	7.444047	7.832675	7.833368	7.8566	7.441049	7.43687	7.456813
GEMIN2	ENSG00000092208	-0.3827	3.910273	-4.70167	0.000192	0.000524	0.101297	3.747663	3.991467	3.586821	3.142765	2.881616	3.364021	3.507292	3.415864	3.254305	4.755823	4.662249	4.711369	4.483553	4.459468	4.41524	4.640597	4.521577	4.744721
TGM1	ENSG00000092295	-0.66919	0.039181	-3.07455	0.006702	0.012366	-2.54313	1.791852	1.173893	1.146821	1.182548	0.92021	0.909432	0.983587	1.001115	1.171446	1.352446	1.467416	1.248523	1.088368	0.837535	1.002253	0.63264	0.637375	0.734116
TINF2	ENSG00000092330	0.810162	5.436374	14.48293	3.59E-11	1.55E-09	15.79473	4.564268	4.609725	4.616447	5.464331	5.57921	5.643273	5.183289	5.302366	5.067277	5.464721	5.4835	5.577658	6.189971	6.192746	6.208716	5.772774	5.814676	5.77188
SEMA6A	ENSG00000092421	0.416006	3.251084	1.814062	0.086873	0.121684	-5.50709	3.071243	2.853456	2.966237	4.190466	4.061165	4.271657	3.953155	3.833587	4.00079	3.367773	3.166245	3.339716	3.039964	2.888589	2.756856	3.374993	3.204393	3.021085
TRPM7	ENSG00000092439	0.112014	6.255596	1.030961	0.316615	0.379688	-7.18913	6.581182	6.690403	6.674569	6.650575	6.508511	6.752237	7.100351	7.193836	7.042438	5.710958	5.758847	5.656856	5.929806	5.940035	5.937812	5.60386	5.541343	5.703906
TYRO3	ENSG00000092445	0.296169	4.168856	2.239396	0.038398	0.05867	-5.00964	4.381709	4.424018	4.498524	4.910272	4.776871	4.76722	4.716879	4.405576	4.380548	3.536933	3.562131	3.779618	3.956313	3.591587	3.939687	4.32821	4.357943	4.249053
WDR76	ENSG00000092470	-1.75229	4.431821	-7.78089	4.42E-07	2.73E-06	6.403511	5.139438	5.154678	5.217952	4.199863	4.408574	4.30129	5.387786	5.376512	5.355259	4.809665	4.854958	4.801266	2.638129	2.307842	2.382676	5.031299	5.018332	5.084719
SNAP23	ENSG00000092531	0.526662	5.882572	4.785923	0.00016	0.000447	-0.00153	5.891483	5.877545	5.828353	5.935739	5.957528	5.899666	6.089987	6.133713	5.978177	5.393783	5.454031	5.483033	6.282738	6.392273	6.317744	5.744367	5.866346	5.819768
PHGDH	ENSG00000092621	-1.18845	7.01309	-16.5419	4.08E-12	3.23E-10	17.94529	7.558775	7.53603	7.593021	6.386177	6.552164	6.580088	7.77773	7.819125	7.811141	7.284953	7.182643	7.333458	6.078073	5.968584	5.855558	7.032907	7.060931	7.053622
COL9A3	ENSG00000092758	0.098622	-0.08933	0.372287	0.714155	0.760274	-6.337	0.667115	0.582935	0.756332	0.934951	1.006428	0.563119	1.160105	0.622068	1.0941	1.116489	1.403073	1.277453	1.218025	1.357245	1.08859	1.177011	1.478665	0.734116
EZR	ENSG00000092820	-0.41448	9.348987	-3.10063	0.006335	0.011768	-3.97826	9.705885	9.643384	9.67455	8.63634	8.735826	8.659022	9.198379	9.18786	9.218911	9.583036	9.47475	9.536033	9.625373	9.624623	9.623962	9.347153	9.41763	9.431373
MYL6	ENSG00000092841	0.665754	8.034867	22.0344	3.39E-14	1.07E-11	22.79103	8.108841	8.073775	8.022	8.667578	8.701505	8.676442	8.151933	8.129588	8.121215	7.545137	7.550679	7.469341	8.20138	8.222991	8.27198	7.617614	7.623612	7.578216
AGO1	ENSG00000092847	0.035799	5.240758	0.564018	0.579908	0.637859	-7.48717	4.794334	4.796272	4.921495	4.821743	4.662026	4.829562	4.926746	4.949799	4.872576	5.80177	5.81247	5.63746	5.868176	5.760913	5.850933	5.713762	5.502682	5.544626
CLSPN	ENSG00000092853	-2.64551	4.185632	-9.89901	1.38E-08	1.55E-07	9.928556	4.315334	4.527784	4.275483	3.342644	3.517104	3.405543	4.057185	4.221128	4.141991	5.769868	5.732906	5.678708	2.479079	2.686334	2.604018	5.515099	5.511363	5.489166
RFFL	ENSG00000092871	-1.2195	5.186843	-15.0758	1.87E-11	9.76E-10	16.50129	6.068608	6.088736	6.100872	4.727426	4.7142	4.884435	5.188389	4.987092	4.989319	5.645844	5.694779	5.696222	4.515435	4.657043	4.635585	5.275849	5.135275	5.130317
UNC13D	ENSG00000092929	0.037555	4.355905	0.404702	0.690606	0.738461	-7.62089	2.27083	2.332462	2.166567	2.359902	2.660129	2.164723	1.648695	1.367163	1.620777	6.94039	6.927833	6.980128	7.016723	7.000462	6.92582	7.377727	7.35604	7.26179
MFSD11	ENSG00000092931	0.270475	4.864271	2.836068	0.011182	0.019486	-4.03746	5.082524	5.091908	4.929803	5.342348	5.152684	5.313181	5.36994	5.327507	5.304656	4.497421	4.637993	4.721931	4.914988	4.837324	4.938437	4.332457	4.38181	4.317368
DPYSL2	ENSG00000092964	0.320607	6.104292	2.015338	0.059513	0.086992	-5.71386	6.663528	6.768296	6.775973	7.514081	7.468025	7.403707	7.474788	7.488551	7.412664	4.886838	4.981528	4.828401	4.589193	4.541772	4.67449	5.59858	5.641622	5.694596
TGFB2	ENSG00000092969	0.393371	6.837001	2.560484	0.019969	0.03273	-4.89646	7.307253	7.230833	7.282702	7.288236	7.160092	7.316604	7.154781	6.955272	7.055249	6.528559	6.382987	6.489715	7.259141	7.224447	7.273257	5.752314	5.819927	5.838909
GPATCH2	ENSG00000092978	0.492329	4.598539	5.317939	5.17E-05	0.000166	1.402831	4.569455	4.594711	4.706239	4.960893	4.871804	5.006395	5.257962	5.352217	5.308941	4.054455	4.045764	4.100159	4.676384	4.649638	4.649854	4.386563	4.395944	4.317368
NUP50	ENSG00000093000	-0.55415	6.509941	-7.13929	1.41E-06	7.37E-06	4.783612	6.74716	6.768296	6.708766	6.456466	6.453938	6.584614	6.808999	6.855094	6.783812	6.740049	6.680555	6.662095	5.79473	5.901588	5.937812	6.513997	6.518123	6.564127
CDC45	ENSG00000093009	-2.25608	3.836029	-8.96651	5.94E-08	5.13E-07	8.500834	4.131163	4.336476	4.370098	3.20008	3.531716	3.445903	4.185161	4.019913	4.103038	4.977839	5.046155	5.054151	2.193986	2.169719	2.449456	4.67445	4.755137	4.731125
COMT	ENSG00000093010	0.075927	6.246198	1.438808	0.167873	0.217009	-6.75127	6.003031	5.887846	6.076759	6.1997	6.331931	6.051247	5.937792	5.885479	6.069409	6.509367	6.504877	6.545039	6.517314	6.550731	6.440813	6.421335	6.487651	6.367248
ECHDC1	ENSG00000093144	0.279889	5.835514	3.968754	0.000946	0.002158	-1.76769	6.102997	6.07618	5.984061	6.514103	6.452019	6.363663	6.366869	6.28255	6.369368	5.508112	5.40559	5.435695	5.485908	5.640943	5.696257	5.235596	5.258994	5.350812
LRRFIP2	ENSG00000093167	-0.40171	5.350407	-3.56595	0.002294	0.004745	-2.61411	5.851589	5.924332	5.83279	5.082724	5.034541	5.143594	5.021241	4.944392	4.929347	5.532334	5.487385	5.528867	5.423425	5.401859	5.405959	5.430457	5.539222	5.45649
SEC22C	ENSG00000093183	0.502675	5.697275	4.938857	0.000115	0.000335	0.388521	5.677569	5.678322	5.628485	6.542081	6.523209	6.543358	6.187456	6.326859	6.229433	5.257549	5.181778	5.256592	5.373851	5.292003	5.321571	5.334197	5.401238	5.33891
XYLB	ENSG00000093217	-1.11216	3.140045	-8.85274	7.15E-08	5.97E-07	8.329552	3.756787	3.676739	3.96379	2.325974	2.490996	3.03415	2.779728	2.981485	2.748518	3.991785	3.836353	3.977706	3.074617	2.925848	3.085545	3.581796	3.562824	3.814473
HDAC6	ENSG00000094631	-0.50042	5.77721	-8.52691	1.23E-07	9.31E-07	7.374708	6.426843	6.386249	6.435874	5.677771	5.859584	5.643273	5.574674	5.602735	5.616111	6.005835	6.00495	5.964298	5.71185	5.642809	5.64197	5.414519	5.474101	5.403191
CDC6	ENSG00000094804	-2.33035	5.878526	-8.21859	2.06E-07	1.44E-06	6.899553	6.40089	6.316279	6.398948	5.222985	5.431202	5.272617	5.726144	5.885479	5.842866	7.043704	6.958938	7.013828	4.01993	3.958151	3.996621	6.974318	6.95275	7.01019
UPRT	ENSG00000094841	0.107681	3.376679	0.858189	0.402404	0.46772	-6.75014	3.783815	3.768792	3.931056	3.977507	3.734793	4.138446	4.215456	3.809996	4.151567	3.226465	3.195032	3.203153	3.236398	3.223865	3.308792	3.103995	2.680939	2.706008
CDC23	ENSG00000094880	-0.48022	6.38991	-13.8322	7.54E-11	2.69E-09	14.95662	6.456542	6.384795	6.484623	6.041444	5.943937	5.902086	6.187456	6.265306	6.218085	6.900626	6.84549	6.836859	6.389816	6.420828	6.356323	6.527953	6.584417	6.595729
AAAS	ENSG00000094914	-0.21211	5.818602	-3.86332	0.001193	0.002639	-1.99424	6.3789	6.347962	6.27237	6.154502	6.182532	6.182445	6.351036	6.284691	6.323509	5.682381	5.544427	5.619214	5.311659	5.32724	5.422676	5.231053	5.336761	5.277879
CBX5	ENSG00000094916	-1.04765	7.380655	-8.8131	7.63E-08	6.32E-07	7.726825	7.929345	7.908567	7.893565	7.283824	7.155382	7.329246	7.356296	7.505173	7.351659	7.85143	7.910994	7.723378	6.387234	6.5287	6.419109	7.523233	7.430018	7.535835
SUCO	ENSG00000094975	-0.05803	7.04799	-0.49066	0.62977	0.683171	-7.72867	7.234013	7.189792	7.185441	7.554932	7.38194	7.597553	6.822184	6.741215	6.911887	7.116273	7.162135	7.073809	6.737395	6.733445	6.72482	6.985149	6.955933	6.961535
MSH2	ENSG00000095002	-0.92508	6.072778	-11.3195	1.79E-09	2.93E-08	11.71486	6.263624	6.276063	6.155027	5.082724	5.104628	5.2875	5.582443	5.774066	5.683673	6.811892	6.735479	6.728419	5.881693	6.00095	6.005955	6.860548	6.71792	6.786366
MAP3K1	ENSG00000095015	-0.23876	4.790936	-3.61938	0.00204	0.00428	-2.4564	4.321496	4.412648	4.453135	3.815786	3.759832	3.838399	4.000319	4.070428	4.032233	5.776643	5.790631	5.673276	5.609219	5.674166	5.64909	5.398403	5.547687	5.515842
DHPS	ENSG00000095059	-0.08619	5.867917	-1.45708	0.162825	0.211213	-6.65736	6.06494	6.026697	5.889263	5.691159	5.853781	5.749208	6.059692	6.063123	6.025816	5.880929	5.855181	5.860576	5.901131	5.941552	5.835411	5.833967	5.793479	5.754064
HOOK2	ENSG00000095066	0.373237	3.739036	6.130208	9.83E-06	3.91E-05	3.087511	3.210562	3.07157	3.029452	3.591402	3.378481	3.27721	2.696258	2.596487	2.616448	4.58494	4.555295	4.698057	4.96664	4.941053	5.052924	4.515433	4.473517	4.359215
ARCN1	ENSG00000095139	-0.08394	8.378157	-2.56953	0.019598	0.032195	-5.00567	8.069568	8.141632	8.091688	8.134997	8.071469	8.11457	8.13288	8.135531	8.147774	8.752711	8.740663	8.70829	8.57639	8.573162	8.572508	8.645366	8.598691	8.680839
EPB41L4B	ENSG00000095203	-0.05967	6.420528	-1.03603	0.31431	0.377178	-7.26966	5.87482	5.798943	5.837213	6.05186	5.859584	5.97515	5.531176	5.503276	5.609178	7.223056	7.201091	7.194851	6.985194	7.076293	7.061428	7.040716	6.994371	7.096668
TMEM38B	ENSG00000095209	0.194664	4.637275	1.100005	0.286251	0.347339	-6.85813	3.593253	3.695626	3.88052	4.733909	4.764552	4.78306	5.228555	5.237527	4.91817	4.899309	4.933933	4.763423	4.44765	4.588991	4.56581	5.228777	5.126826	5.214151
PSMD5	ENSG00000095261	-0.05941	6.789406	-1.24588	0.229252	0.285522	-7.0441	6.531548	6.636443	6.480387	6.664217	6.639075	6.598108	6.854629	6.885038	6.879118	6.948663	6.937803	6.99762	6.771459	6.800174	6.789886	6.991206	7.033319	7.013938
PTGS1	ENSG00000095303	-0.1587	0.05384	-0.41715	0.681647	0.729962	-6.26178	1.12723	1.118985	1.499186	0.395333	0.512209	0.746642	1.588238	1.901414	1.38134	0.669294	0.799097	0.884879	1.154653	1.357245	1.209118	1.017342	1.2488	1.273688
NUP188	ENSG00000095319	-0.49126	7.666313	-8.57735	1.13E-07	8.69E-07	7.29331	7.612531	7.558128	7.594328	7.318746	7.294681	7.355084	7.708413	7.655861	7.646508	8.113008	8.037915	8.040345	7.375322	7.34568	7.441618	8.061276	7.96436	8.004153
CRAT	ENSG00000095321	0.987175	5.254338	12.85385	2.44E-10	6.22E-09	13.9134	5.665509	5.661609	5.748412	6.55861	6.592794	6.381113	6.217704	6.128954	6.157591	3.688323	3.884278	4.033888	5.038617	5.000472	5.079521	4.60593	4.584635	4.411295
NANS	ENSG00000095380	-0.45563	5.87424	-8.62689	1.04E-07	8.14E-07	7.540423	6.119004	6.092304	6.057932	5.636843	5.713437	5.605169	5.733141	5.75257	5.851705	6.070669	6.111977	6.166313	5.693852	5.699488	5.616767	6.152543	6.066639	6.05439
TBC1D2	ENSG00000095383	0.618023	5.01073	4.760369	0.000169	0.00047	-0.01733	4.516725	4.164126	4.44736	4.440838	4.478119	4.30129	3.523527	3.491964	3.406029	5.627223	5.636504	5.680063	6.511002	6.401119	6.445932	6.146525	6.062215	5.975866
WHRN	ENSG00000095397	0.585707	4.161839	5.65743	2.56E-05	8.92E-05	2.201873	4.559062	4.484999	4.676925	5.384166	5.488499	5.408166	4.428731	4.38177	4.459769	3.838337	3.70241	3.685623	3.993008	3.940055	3.880413	3.538334	3.449945	3.228839

CWF19L1	ENSG00000095485	-0.79891	4.524171	-10.9791	2.87E-09	4.31E-08	11.45607	5.391599	5.435922	5.393406	4.359318	4.522687	4.414089	5.099133	4.955186	4.956916	4.5772	4.386688	4.488257	3.86027	3.933972	3.985412	4.345124	4.328771	4.21038
SEMA4G	ENSG00000095539	0.572901	2.78186	3.827214	0.001292	0.002833	-1.35784	3.729242	3.547555	3.607684	3.688057	4.091068	3.797394	3.841036	3.798055	3.90213	1.91588	1.945166	1.718241	2.638129	2.756951	2.795875	2.192442	2.274787	2.174206
BTAF1	ENSG00000095564	-0.14951	5.860417	-1.89252	0.075105	0.10694	-5.95359	6.4453	6.506104	6.454708	6.211362	6.076905	6.351321	6.577851	6.607341	6.644947	5.417818	5.50665	5.230939	5.235223	5.357098	5.447393	5.191852	5.297147	5.423057
IKZF5	ENSG00000095574	0.50306	3.338139	3.844062	0.001245	0.002741	-1.50739	3.27548	3.382531	3.217639	3.591402	3.820593	3.643939	4.068294	4.09991	4.235006	3.123934	3.096753	2.957162	3.669424	3.487446	3.421201	3.236813	3.171908	3.202807
BLNK	ENSG00000095585	0.192406	-1.09626	1.079114	0.295204	0.356745	-6.09953	0.106501	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	2.320032	2.174476	2.435052	2.24051	2.190279	2.399663	1.833493	1.795362	1.665483
SORBS1	ENSG00000095637	-0.70604	1.153761	-3.49338	0.00269	0.005467	-1.81725	2.080492	2.009193	2.492412	1.519216	1.307481	1.475193	1.917967	1.430416	1.727075	1.704765	1.498542	1.915176	1.667235	1.393161	1.247156	1.708352	1.766644	2.091498
BAMBI	ENSG00000095739	-0.06801	-0.07138	-0.28758	0.777048	0.814685	-6.25407	4.726299	4.644161	4.696533	4.740363	4.733289	4.592471	4.376062	4.273815	4.534865	0.190076	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
IL11	ENSG00000095752	-0.96637	2.783798	-2.53438	0.02108	0.034341	-4.04251	2.392887	2.513665	2.600444	2.955742	2.835252	2.741673	4.215456	4.166444	4.339245	3.496465	3.406729	3.754117	1.838325	1.738515	1.826726	3.190769	3.307681	3.050576
WAC	ENSG00000095787	-0.11993	7.079837	-2.47561	0.023798	0.038326	-5.07179	7.218413	7.236486	7.240746	7.126413	7.132797	7.196566	7.54506	7.518879	7.529277	6.995878	6.903329	6.910271	6.769478	6.756895	6.801916	6.904716	6.918892	6.932128
CREM	ENSG00000095794	1.317401	4.261349	5.548682	3.20E-05	0.000109	2.196839	5.325688	5.413282	5.322611	6.963558	6.747888	6.961592	7.071657	7.068959	7.237147	2.409929	2.267764	2.422156	2.28558	2.326537	2.23906	2.583072	2.601856	2.507643
NUBP2	ENSG00000095906	0.02389	5.906544	0.33922	0.738486	0.781213	-7.66936	5.946343	5.944211	6.027288	5.952514	6.135476	5.885062	5.897874	5.695778	5.782514	5.844313	5.877552	6.097004	6.050049	5.915547	5.956588	6.081143	6.01263	5.661529
HIVEP1	ENSG00000095951	0.103428	5.280588	1.002127	0.329955	0.3934	-7.10878	5.560015	5.507143	5.602736	5.380038	5.190008	5.331249	5.54317	5.276779	5.523269	5.170202	5.108011	5.133432	5.500318	5.514168	5.557452	4.950708	4.90431	4.988957
FKBP5	ENSG00000096060	-0.48859	4.761383	-2.45999	0.024574	0.039429	-4.77225	5.049495	5.081176	5.086643	5.346585	5.379635	5.45506	4.6145	4.728586	4.700591	5.167627	5.152722	5.101431	4.002038	3.896925	4.104162	4.473742	4.769683	4.622403
SRPK1	ENSG00000096063	-0.4884	6.717107	-5.53821	3.27E-05	0.000111	1.513748	6.88979	6.841137	6.840189	6.598236	6.679002	6.578576	6.534451	6.486052	6.421751	7.082496	7.039189	7.062426	6.397536	6.37666	6.396015	6.970235	6.969385	7.002666
BRPF3	ENSG00000096070	0.265492	6.273785	2.448291	0.025171	0.040277	-5.05443	5.501516	5.485601	5.443586	6.195008	6.216843	6.217839	6.473082	6.295349	6.443353	6.506313	6.538026	6.50432	6.499889	6.365404	6.460172	6.693119	6.755857	6.692441
MRPS18A	ENSG00000096080	-0.68486	5.825598	-8.46943	1.35E-07	1.01E-06	7.277147	6.253992	6.241136	6.244333	5.20443	5.253089	5.211499	5.840713	5.888297	5.880784	6.164057	6.113234	6.202588	5.7445	5.68869	5.791038	5.895544	5.842463	5.882609
TMEM14A	ENSG00000096092	0.383464	4.38161	4.722057	0.000183	0.000505	0.108258	4.073915	4.043996	4.124423	4.753186	4.807214	4.651187	4.302704	4.307901	4.45204	4.517783	4.502533	4.271716	4.592186	4.541772	4.663983	4.555953	4.377068	4.602629
EFHC1	ENSG00000096093	0.903083	3.655012	8.044943	2.78E-07	1.86E-06	6.888239	3.928091	3.855322	4.02711	4.456603	4.594038	4.580436	3.571163	3.462004	3.69508	3.0698	3.322263	2.87437	4.080861	4.230476	4.046009	3.254827	3.413359	3.509302
HSP90AB1	ENSG00000096384	-0.06615	11.27583	-1.37236	0.187309	0.238926	-7.18691	11.20142	11.1921	11.17004	11.22259	11.14891	11.19668	11.14017	11.13233	11.14365	11.42584	11.36412	11.30582	11.21532	11.24743	11.25662	11.50733	11.51974	11.58572
CDC5L	ENSG00000096401	-0.2551	6.241934	-6.38106	5.99E-06	2.54E-05	3.299798	6.02018	5.956007	5.99598	5.812513	5.72937	5.902086	6.202659	6.095194	6.069409	6.667178	6.674605	6.645547	6.348819	6.348353	6.366079	6.630683	6.578233	6.672425
ITPR3	ENSG00000096433	0.5681	6.845582	4.192804	0.000579	0.001397	-1.41015	6.281119	6.229843	6.306268	7.352844	7.442154	7.302936	7.050806	6.862281	6.897731	6.621808	6.725647	6.544295	6.803448	6.679929	6.741572	7.183332	7.222972	7.212088
ZNF184	ENSG00000096654	1.749142	2.923211	12.83078	2.51E-10	6.35E-09	13.9739	1.719036	1.849715	1.706811	3.863871	3.630051	3.472196	3.523527	3.415864	3.124172	2.650221	2.531245	2.7037	3.965575	3.964133	3.831176	3.415594	3.579432	3.601852
DSP	ENSG00000096696	-0.17786	6.037168	-1.44091	0.167285	0.216328	-6.7915	4.302931	4.412648	4.48167	4.062381	4.240862	4.460795	3.296733	3.26787	3.064594	8.248327	8.48059	8.115869	8.099367	8.122267	8.108543	8.283204	8.253778	8.374361
SIRT1	ENSG00000096717	-0.18197	4.961862	-2.86685	0.010472	0.018394	-3.95875	5.843047	5.713495	5.738987	5.704425	5.465853	5.602196	5.63569	5.567996	5.523269	4.541844	4.665681	4.491347	4.376523	4.450973	4.320301	4.236002	4.035699	4.341429
HNRNPH3	ENSG00000096746	-0.62339	7.176949	-9.83051	1.53E-08	1.69E-07	9.404142	7.421378	7.395824	7.345376	7.019026	6.903447	6.998241	7.232141	7.339981	7.344371	7.457729	7.366815	7.457935	6.649617	6.613925	6.640693	7.378754	7.375785	7.433217
IFT74	ENSG00000096872	-0.13229	3.745319	-1.28563	0.215347	0.270094	-6.41681	4.625314	4.594711	4.55869	4.052041	4.071202	4.365821	4.13321	4.019913	3.924645	3.584041	3.398501	3.470739	3.686328	3.738425	3.548512	3.181381	3.256961	3.241681
JAK2	ENSG00000096968	-0.2714	3.702459	-2.87662	0.010256	0.018051	-3.72623	3.420312	3.142112	3.618004	3.456785	3.588725	3.349911	4.000319	3.592179	3.867685	4.125171	4.181422	4.246333	3.741287	3.752319	3.824901	4.258497	4.247965	4.274271
ABL1	ENSG00000097007	0.748359	7.470034	11.69307	1.08E-09	2.01E-08	12.15459	7.4941	7.556191	7.534299	8.475418	8.512331	8.435482	8.411115	8.30174	8.346376	6.49506	6.488498	6.559833	7.093184	6.960624	7.050714	6.974318	6.974888	6.967345
ACOT7	ENSG00000097021	-0.3839	6.032463	-3.06479	0.006845	0.012606	-3.80135	5.87482	5.885792	5.848213	5.329563	5.589722	5.30954	5.203583	5.298133	5.082376	6.560316	6.576824	6.716585	6.35764	6.315975	6.265419	7.001245	6.940749	6.873516
SH3GLB1	ENSG00000097033	0.250664	6.343709	4.734115	0.000179	0.000494	-0.17601	6.543459	6.593033	6.441695	6.854734	6.760349	6.719686	6.311847	6.331009	6.240692	6.058212	6.047666	6.16341	6.35588	6.300691	6.362835	6.134413	6.125784	6.17478
CDC7	ENSG00000097046	-1.52719	3.99422	-7.21103	1.24E-06	6.58E-06	5.369708	4.645102	4.569336	4.706239	4.062381	3.945887	4.138446	4.235306	4.45204	4.322386	4.724629	4.606195	4.729802	2.55467	2.657091	2.618601	4.199264	4.333674	4.311289
SYDE2	ENSG00000097096	-0.03416	2.742455	-0.2874	0.777186	0.814769	-7.10329	2.548084	2.356396	2.514675	2.457149	2.429905	2.132113	2.480375	2.220554	2.82232	3.695491	3.786782	3.658388	3.757374	3.695921	3.679472	2.935534	3.204393	3.035906
PCSK5	ENSG00000099139	2.673307	0.086784	6.672963	3.40E-06	1.57E-05	4.649126	3.210562	3.128277	3.371944	5.895822	5.905185	5.961294	4.622059	4.45204	4.647437	0.106501	0.185134	0.106501	0.106501	0.190544	0.186984	0.183756	0.106501	0.106501
SCD	ENSG00000099194	-1.12684	9.082245	-9.23063	3.89E-08	3.61E-07	8.348387	10.60439	10.66243	10.63164	9.909427	9.797539	9.837003	10.15208	10.18409	10.12889	8.559015	8.605352	8.536816	7.067607	7.05823	6.982589	8.274676	8.249893	8.31142
TMED1	ENSG00000099203	0.133555	4.891391	1.537091	0.142177	0.187696	-6.35968	4.749336	4.804995	4.671981	4.869634	4.982309	4.889321	5.35187	5.439365	5.412136	4.864753	4.655361	4.876465	4.881128	4.971068	4.807727	4.902958	4.949728	4.865793
ABLIM1	ENSG00000099204	0.712412	7.697835	10.79786	3.71E-09	5.37E-08	10.83248	7.695529	7.697578	7.68485	8.363324	8.428439	8.519434	7.367581	7.373562	7.378412	7.364119	7.369448	7.242395	8.005952	7.98926	8.010354	7.387965	7.366843	7.449913
ERMP1	ENSG00000099219	0.368989	6.153462	2.397949	0.027898	0.044086	-5.12911	5.636146	5.725032	5.584434	6.781518	6.568199	6.701742	6.266749	6.403733	6.282695	6.156285	6.24984	6.199757	5.94861	6.143514	5.942167	6.294279	6.122955	6.139191
RAB18	ENSG00000099246	0.089794	7.136011	1.267181	0.221715	0.277178	-6.98755	8.126985	8.150643	8.090762	8.420711	8.333123	8.366631	8.417645	8.451717	8.424977	6.119452	5.98997	6.151739	5.972925	5.983386	5.923201	5.933785	5.87814	5.97009
NRP1	ENSG00000099250	0.103068	6.032425	0.259819	0.798039	0.831864	-7.70835	5.727148	5.590232	5.69823	7.217131	7.163614	7.233541	5.365443	5.404348	5.383978	6.26025	6.282621	6.227819	5.210117	5.226323	5.231938	6.592237	6.541621	6.681879
PRTFDC1	ENSG00000099256	-0.24819	2.973478	-0.84726	0.408303	0.473379	-6.66863	2.9807	2.9974	2.900124	3.619685	3.844198	3.907468	3.219115	3.40015	2.82232	3.303547	3.241771	3.339716	2.062048	2.642244	2.34809	3.31616	3.347011	3.660409
PALMD	ENSG00000099260	2.220413	1.732855	9.59927	2.18E-08	2.25E-07	9.540397	2.392887	2.61635	2.661582	4.753186	4.739596	4.894191	3.094248	3.250449	2.869505	0.834246	1.029669	1.061592	1.776519	1.793303	1.923865	0.738851	0.433238	1.170016
TSPAN15	ENSG00000099282	-0.50842	5.354568	-2.57684	0.019302	0.031739	-4.71229	5.879004	5.673567	5.688471	4.072648	4.360275	4.233737	4.552561	4.497055	4.22597	6.018751	5.861181	6.008106	6.001347	5.952125	5.982187	6.055679	6.004966	6.068874
MACROH2.	ENSG00000099284	0.234624	-0.3578	0.878229	0.391733	0.456658	-5.89861	4.179456	4.262405	4.235828	4.562385	4.515354	4.34463	3.988671	3.89093	3.946814	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
WASHC2A	ENSG00000099290	-0.01847	5.295339	-0.21467	0.832506	0.860978	-7.49342	6.548721	6.611798	6.574795	6.394386	6.478657	6.36717	6.49383	6.377892	6.325625	4.30464	4.209911	4.253631	4.527992	4.476309	4.427716	3.799922	4.035699	4.014786
MAST3	ENSG00000099308	0.52971	2.830921	4.612646	0.000232	0.000622	0.168182	2.218961	2.332462	2.558197	3.041869	3.34578	3.364021	2.513265	2.451551	2.643847	3.303547	3.330936	3.218152	3.675081	3.568213	3.378997	3.133504	3.347011	3.241681
MZF1	ENSG00000099326	0.33337	4.216819	5.103153	8.12E-05	0.000246	0.931041	3.952119	4.136747	4.095173	4.236852	4.158524	4.202668	3.916741	3.967564	4.063004	4.430262	4.502533	4.456986	4.856446	4.913495	4.860827	4.208537	4.200441	4.177341
OCEL1	ENSG00000099330	0.206975	3.672252	1.589685	0.12983	0.173588	-6.00303	4.315334	4.204245	4.400306	3.977507	4.301803	3.982555	3.879385	3.946081	3.90213	3.294134	3.175905	3.532043	3.918659	3.884362	3.945482	3.200096	3.267249	3.093712
MYO9B	ENSG00000099331	0.74887	5.405637	16.24597	5.50E-12	4.10E-10	17.72884	5.096964	5.08834	5.258094	5.884211	5.916364	5.788972	5.679816	5.619796	5.633301	4.874259	4.922503	4.87173	5.710474	5.633455	5.546053	5.48107	5.54346	5.397464
KCNK6	ENSG00000099337	0.805657	2.255959	4.416021	0.000356	0.000907	-0.19331	2.137484	1.744817	1.453818	2.714828	2.57804	2.885561	1.240874	1.658879	1.445026	2.83033	2.741	2.786535	3.395624	3.393046	3.378997	3.407564	3.256961	3.55117
PSMD8	ENSG00000099341	-0.19504	7.39661	-5.56696	3.08E-05	0.000105	1.516978	7.38433	7.389313	7.336029	7.225207	7.303223	7.207367	7.406399	7.34512	7.399663	7.566797	7.497264	7.629027	7.328531	7.33994	7.270951	7.585945	7.553366	7.529958
FBXL19	ENSG00000099364	0.405812	5.064344	4.55643	0.000262	0.000693	-0.41472	4.511345	4.719916	4.73022	5.195063	5.283625	5.037542	4.454362	4.45204	4.490278	5.170202	5.276856	5.339521	5.607741	5.568187	5.616767	5.694092	5.485161	5.350812
HSD3B7	ENSG00000099377	0.60746	3.837308	6.11822	1.01E-05	3.99E-05	3.254526	3.96004	3.952741	3.93931	4.350907	4.368438	4.146631	4.723921	4.630987	4.764393	3.024981	3.055486	3.187996	3.92342	3.871689	3.81227	3.691675	3.863317	3.744016
SETD1A	ENSG00000099381	-0.12046	5.820616	-2.02792	0.058093	0.08511	-5.75937	5.907956	6.004148	6.20893	5.977316	6.00018	5.812316	6.017329	5.7054	5.889394	5.785068	5.749173	5.899478	5.74987	5.627813	5.694537	5.768078	5.779172	5.668679
BCL7C	ENSG00000099385	-0.02073	5.508071	-0.22937	0.821244	0.851866	-7.63918	5.747885	5.597782	5.808216	5.392386	5.469652	5.2875	5.342749	5.447033	5.424038	5.319175	5.386997	5.582013	5.665715	5.686883	5.61313	5.712133	5.58723	5.661529
MAGEB2	ENSG00000099399	-0.27137	5.369172	-3.93075	0.001029	0.002319	-1.5896	7.473496	7.397988	7.410643	7.155682	7.043854	7.043877	7.227193	7.226503	7.141874	3.716784	3.748453	3.658388	3.669424	3.793216	3.540876	3.447271	3.529023	3.650813
CIRBP	ENSG00000099622	-0.25396	6.783287	-4.81101	0.000151	0.000427	-0.05445	7.259109	7.289507	7.151211	6.859189	6.831459	6.789308	6.706074	6.868004	6.861721	6.800302	6.714919	6.826497	6.638802	6.647769	6.726504	6.393148	6.484348	6.49743
ATP5F1D	ENSG00000099624	-0.04558	5.814123	-0.42939	0.672885	0.722114	-7.58568	6.196482	6.343478	6.495858	6.127673	6.354709	5.889947	6.195078	6.207795	6.245172	5.24783	5.203192	5.684119	5.481072	5.593492	5.509353	5.635142	5.574859	5.164438
CBARP	ENSG00000099625	0.3676	1.956304	2.194407	0.041985	0.063582	-4.60939	2.080492	2.09705	2.326135	2.063099	2.57804	2.652511	2.058296	1.988058	2.239236	2.100009	2.011405	2.409144	2.542344	2.517623	2.416453	2.819293	2.618024	1.942153
PRKY	ENSG00000099725	0.427423	3.793894	4.648436	0.000215	0.000581	0.075712	3.936145	3.888531	4.003689	4.199863	4.061165	4.10523	3.988671	3.856799	3.708117	3.744695	3.878373	3.538032	4.309002	4.284065	4.184772	3.374993	3.529023	3.601852
HNRNPM	ENSG00000099783	-0.26182	7.99569	-6.32389	6.70E-06	2.81E-05	3.047048	8.158305	8.238187	8.218749	7.837511	7.916562	7.867074	8.15389	8.198209	8.259927	7.922263	7.98498	8.050332	7.803274	7.776289	7.790116	8.050037	7.949664	7.852822
MARCHF2	ENSG00000099785	0.807277	2.965825	7.251996	1.15E-06	6.18E-06	5.603771	3.476616	3.483793	3.773804	4.254996	4.384626	4.372816	3.586698	3.535768	3.641718	2.282443	2.249583	2.546206	3.251622	3.04352	2.743612	2.247458	2.006592	2.252429
NDUFB7	ENSG00000099795	-0.02688	5.788207	-0.3388	0.738798	0.781486	-7.6493	5.954295	5.881675	6.017577	5.565938	5.949389	5.628736	5.860019	5.695778	5.722741	5.719774	5.65389	5.901803	5.930988	5.936997	5.836971	5.901274	5.893164	5.62033
TECR	ENSG00000099797	0.482123	6.219468	5.256557	5.88E-05	0.000186	1.002183	5.983734	6.022963	6.078628	6.67099	6.821087	6.707287	7.036735	7.001567	6.97662	5.730282	5.599299	5.792059	5.962555	6.015426	5.875427	6.013979	6.023291	6.015662
TIMM13	ENSG00000099800	-0.07198	6.074345	-1.14289	0.268499	0.328457	-7.08032	5.944347	5.985084	6.03501	5.904469	6.039053	6.004722	6.269158	6.173542	6.35286	6.13667	6.145548	6.300969	6.074867	6.049585	6.078955	6.156141	6.066639	6.01753
CDC34	ENSG00000099804	-0.23384	5.724481	-3.06798	0.006798	0.012529	-3.71287	6.273193	6.340481	6.195211	5.830775	5.839171	5.807161	5.907184	5.801241	5.875015	5.46891	5.446069	5.693541	5.597352	5.438844	5.4817	5.621323	5.513525	5.423057
MTAP	ENSG00000099810	-0.84745	5.809622	-8.98942	5.73E-08	4.98E-07	8.200737	6.72525	6.707951	6.695428	5.529135	5.60362	5.438487	6.462596	6.446436	6.344535	5.645844	5.657342	5.63746	5.217888	5.096185	5.168932	5.500074	5.59133	5.612936
MISP	ENSG00000099812	-0.37788	6.864556	-2.49839	0.022707	0.036719	-5.02213	7.334168	7.245326	7.337591	6.149661	6.430738	6.338872	6.640598	6.66765	6.676797	6.786942	6.801707	6.966869	7.055189	6.982892	6.924354	7.185095	7.202345	7.070815
CEP170B	ENSG00000099814	0.438831	5.950301	4.838831	0.000143	0.000404	0.051022	5.034569	4.905754	5.097747	5.072529	5.342823	5.143594	4.737903	4.504423	4.626988	6.569124	6.766977	6.871663	7.343706	7.303247	7.211466	7.148827	7.07271	6.905139
POLR2E	ENSG00000099817	-0.15154	7.099434	-3.34041	0.00376	0.007362	-3.29228	7.390205	7.396545	7.397973	7.186734	7.344154	7.192618	7.537086	7.451865	7.558365	6.938881	6.779703	6.970195	6.79373	6.757756	6.693306	6.913956	6.875001	6.811346
POLRMT	ENSG00000099821	-0.14441	5.743755	-1.46058	0.161875	0.21021	-6.6442	5.879004	5.944211	6.142572	5.587578	5.882565	5.605169	5.665257	5.481041	5.431918	5.678768	5.762057	5.865347	5.848285	5.650249	5.765055	6.033676	5.994168	5.671054
HCN2	ENSG00000099822	0.953913	2.979222	5.989828	1.30E-05	5.00E-05	3.216908	3.85351	3.829904	3.979882	4.93299	5.171467	4.879531	4.225415	4.157125	4.252911	1.814181	1.8028	2.152295	2.371704	2.416542	1.923865	2.135245	1.956613	2.200755
IZUMO4	ENSG00000099840	0.021888	0.152864	0.109992	0.913669	0.929528	-6.4283	1.010037	0.875715	1.256574	1.022291	1.006428	0.657796	0.886508	0.824004	1.171446	1.199504	0.986408	1.219002	1.498836	1.203912	1.08859	1.354562	1.478665	1.370407
RASSF7	ENSG00000099849	0.443995	3.370611	2.857067	0.010693	0.018738	-3.85164	2.629805	2.674627	2.830836	3.51817	3.709312	3.572823	2.26554	1.658879	2.047395	4.009149	4.314187	4.268117	4.502766	4.455227	4.492489	4.374256	4.377068	4.108904
GADD45B	ENSG00000099860	0.275812	5.727084	2.411467	0.027139	0.043012	-5.07018	5.987614	5.678322	5.841623	5.636843	5.78836	5.770552	5.539183	5.623184	5.629879	5.725037	5.631248	5.888972	6.322028	6.331098	6.266577	5.299906	5.356168	5.284099
PALM	ENSG00000099864	0.647972	3.331094	3.524637	0.002511	0.005145	-2.13003	4.302931	4.452056	4.55869	4.640378	4.789085	4.713128	4.552561	4.299455	4.41276	2.100009	2.011405	2.183199	3.353912	3.203781	3.308792	2.35157	2.078458	2.091498
MKNK2	ENSG00000099875	-0.7705	7.565224	-4.32045	0.000438	0.00109	-1.20873	8.06911	8.003043	8.083334	6.860671	6.977361	6.772215	6.844972	6.627726	6.673477	8.00031	8.025613	8.06259	7.678228	7.587201	7.55305	8.262764	8.18626	8.059598
ARVCF	ENSG00000099889	0.945111	3.018599	7.03562	1.71E-06	8.69E-06	4.974891	2.345296	2.308123	2.326135	2.181668	2.398361	1.880533	2.186178	1.988058	2.087859	3.716784	3.936355	3.999574	5.102982	5.000472	4.903135	3.989359	4.106163	3.961444
TRMT2A	ENSG00000099899	0.041953	5.876448	0.805281	0.431477	0.496219	-7.40304	5.400358	5.340148	5.440682	5.612421	5.620805	5.569081	5.578564	5.571508	5.706591	6.26628	6.205726	6.390586	6.283664	6.1991	6.189309	6.319104	6.321123	6.228989
RANBP1	ENSG00000099901	-0.97717	6.950616	-18.0728	9.43E-13	1.08E-10	19.43498	7.373992	7.387862	7.424673	6.367536	6.457769	6.274964	6.883218	6.892077	6.900573	7.361868	7.378888	7.476766	6.445489	6.543758	6.500099	7.313647	7.164319	7.189068
ZDHHC8	ENSG00000099904	0.460046	4.782715	5.5644	3.10E-05	0.000106	1.811324	4.595114	4.553894	4.749122	4.845887	4.782991	4.679672	4.445869	4.247712	4.520155	4.793054	4.836805	4.793777	5.565727	5.347976	5.382653	5.036515	5.069195	4.82371
KLHL22	ENSG00000099910	0.464306	3.45386	6.112278	1.02E-05	4.03E-05	3.234816	3.385444	3.657602	3.698006	3.977507	4.1009	3.888069	3.115825	3.415864	3.421943	3.284659	3.517242	3.426222	3.918659	3.839509	3.799527	3.333216	3.422593	3.352387
MED15	ENSG00000099917	0.307381	6.369651	4.426059	0.000348	0.00089	-0.89053	5.643543	5.671183	5.764758	5.781554	5.957528	5.949645	5.257962	5.268148	5.229787	6.99006	7.035215	7.017584	7.455574	7.274049	7.398959	7.159624	7.095261	7.077993
SERPIND1	ENSG00000099937	-0.1149	1.349687	-0.31664	0.755268	0.796128	-6.27054	5.812748	5.750092	5.676178	5.824713	5.610519	5.622881	7.084024	7.041366	7.127389	0.269074	0.185134	0.34382	0.106501	0.106501	0.263213	0.183756	0.19538	0.214669
SNAP29	ENSG00000099940	0.462118	5.396225	9.780351	1.65E-08	1.80E-07	9.507029	5.288426	5.369848	5.399401	5.941353	5.885412	5.914123	5.539183	5.557409	5.629879	5.066207	5.035583	5.210458	5.497128	5.458046	5.428895	5.184823	5.217154	5.150886
CRKL	ENSG00000099942	-0.31507	6.860046	-8.01032	2.96E-07	1.95E-06	6.357547	7.014834	6.899319	6.879321	6.556783	6.664159	6.649416	6.965736	7.014526	6.906241	7.008164	7.025898	6.901006	6.699734	6.609161	6.673364	7.120248	7.015884	7.108985
LZTR1	ENSG00000099949	0.282747	5.313348	5.217164	6.39E-05	0.000199	0.99142	5.153322	4.99613	5.018167	5.092847	5.399687	5.276352	5.183289	5.088621	5.146036	5.413478	5.487385	5.506132	5.826847	5.754024	5.791038	5.42251	5.365774	5.394592
MMP11	ENSG00000099953	3.031829	0.691072	16.25645	5.44E-12	4.08E-10	16.37648	0.503316	0.410755	0.829201	2.21912	2.333126	2.164723	1.389995	1.605065	1.777424	0.669294	0.748206	0.683459	2.738794	2.344993	2.34809	1.85727	1.581179	1.546329
SMARCB1	ENSG00000099956	-0.30862	6.539986	-4.99412	0.000102	0.000302	0.36086	6.683998	6.528661	6.562826	6.01507	6.108926	6.015936	6.382529	6.377892	6.433574	6.801133	6.753331	6.930334	6.725177	6.683559	6.700179	6.774976	6.770396	6.763173
P2RX6	ENSG00000099957	1.239922	-0.29726	3.752393	0.001523	0.003288	-1.055	2.668993	2.748839	3.013906	4.161901	3.747367	3.75519	3.258446	2.981485	2.892531	0.106501	0.106501	0.230035	0.294634	0.190544	0.263213	0.106501	0.19538	0.214669
DERL3	ENSG00000099958	-0.965	1.434456	-6.54354	4.37E-06	1.94E-05	4.389643	1.755904	1.744817	2.109199	1.519216	1.556428	1.422231	1.648695	1.231675	1.38134	2.722179	2.646894	2.660429	1.733794	1.622273	1.992654	2.509956	2.212266	2.226823
BCL2L13	ENSG00000099968	-0.22455	6.581996	-2.65872	0.016268	0.027246	-4.67466	7.010073	6.872598	6.839086	6.416721	6.389218	6.274964	6.721988	6.685586	6.671815	6.505294	6.577735	6.604754	6.616192	6.588011	6.648708	6.471302	6.471059	6.391939
DDT	ENSG00000099977	0.08522	4.481387	0.719119	0.481573	0.544974	-7.21086	4.726299	4.872944	4.76778	4.236852	4.376555	4.351728	4.402637	4.413424	4.505294	4.408616	4.463628	4.412036	4.8288	4.931925	4.873042	4.552316	4.357943	4.370952
OSM	ENSG00000099985	0.681978	-1.43478	1.992936	0.06212	0.090393	-4.37896	1.475543	1.947501	2.079636	2.457149	2.737798	2.581827	2.513265	2.623806	2.530983	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CABIN1	ENSG00000099991	0.367343	5.589776	5.373121	4.61E-05	0.00015	1.267172	5.019487	5.084762	5.123327	5.510375	5.710229	5.572123	4.877071	4.849227	5.082376	5.964895	6.014403	5.841329	6.291051	6.124944	6.189309	6.031066	5.894824	6.01753
TBC1D10A	ENSG00000099992	-0.23342	3.31801	-2.23468	0.03876	0.059145	-4.97484	2.933205	3.057038	3.044832	3.21869	3.033076	3.152687	2.832807	2.676938	2.440135	3.980092	4.127684	4.307219	3.789021	3.86531	3.799527	4.194605	4.071361	3.976887
SUSD2	ENSG00000099994	0.92451	3.858514	4.029512	0.000828	0.001916	-1.26092	3.65311	3.732673	3.55495	3.647423	3.531716	3.377995	4.321396	4.436718	4.396744	3.216534	3.348126	3.464463	4.846454	4.804359	4.719156	4.078031	4.221756	4.007286
SF3A1	ENSG00000099995	-0.33806	7.692792	-5.55115	3.18E-05	0.000108	1.464385	8.022119	8.025609	8.050376	7.47688	7.45371	7.505873	7.842251	7.780198	7.828409	7.772285	7.664412	7.759712	7.579888	7.570633	7.62343	7.563085	7.513951	7.568056
GGT5	ENSG00000099998	-0.64277	0.473702	-2.70213	0.01485	0.025116	-3.33701	0.667115	0.582935	0.679585	0.635873	0.828511	0.746642	1.867984	1.231675	1.620777	1.940223	1.827525	1.60868	1.420179	1.032323	0.910419	2.400938	2.37332	2.326628
RNF215	ENSG00000099999	-0.06625	4.718633	-0.99318	0.334172	0.397895	-6.91276	5.297832	5.318988	5.538996	5.359221	5.351085	5.316813	5.683433	5.80423	5.680369	4.043261	4.040487	4.171248	3.92342	4.062207	4.007743	4.151986	4.140146	4.177341
SEC14L2	ENSG00000100003	0.190097	4.429852	1.613127	0.124626	0.167649	-6.18149	4.192962	4.354415	4.1812	4.667726	4.825118	4.829562	4.293266	4.194045	4.279358	4.332495	4.47541	4.592658	4.393779	4.480488	4.460466	4.752597	4.943327	4.72199
SPECC1L	ENSG00000100014	0.100246	4.786391	1.26072	0.22398	0.279666	-6.70806	4.702888	4.778666	4.781616	5.137544	5.128856	5.110498	5.038289	5.192623	5.141238	4.779626	4.796672	4.679211	4.662213	4.565575	4.610269	4.640597	4.729324	4.646745
PPIL2	ENSG00000100023	0.802314	5.748144	15.64577	1.02E-11	6.46E-10	17.05636	4.91334	4.738249	4.826803	5.72735	5.687572	5.757249	5.392213	5.439365	5.523269	5.869883	5.887875	5.894818	6.655352	6.614876	6.542779	6.181084	6.183958	6.164701
YPEL1	ENSG00000100027	1.226746	-0.71207	4.038609	0.000812	0.001882	-0.64048	0.318509	0.582935	0.219246	0.395333	0.106501	0.461789	0.106501	0.253663	0.256032	1.028404	1.369793	1.49011	2.591031	2.326537	2.365487	1.354562	1.478665	1.370407
SNRPD3	ENSG00000100028	-0.36753	6.74194	-6.83337	2.51E-06	1.21E-05	4.149104	6.950688	6.938496	6.934035	6.400512	6.373081	6.326315	6.556314	6.612464	6.658443	7.006724	6.96661	7.017048	6.760194	6.840569	6.8067	6.79435	6.802581	6.862127
PES1	ENSG00000100029	-0.12526	7.521475	-2.60231	0.018305	0.030225	-4.87744	7.523797	7.497534	7.526103	7.252557	7.316996	7.257361	7.355162	7.29926	7.294459	7.682245	7.596355	7.688126	7.663009	7.612178	7.615272	7.796205	7.788483	7.768261
MAPK1	ENSG00000100030	0.270293	7.180753	5.415659	4.21E-05	0.000139	1.215794	6.912419	6.975671	6.801098	7.363336	7.219961	7.259249	7.325376	7.39948	7.298775	7.124926	7.125841	7.050953	7.253953	7.305016	7.240632	7.247151	7.28314	7.252303
GGT1	ENSG00000100031	0.165143	5.598917	1.598013	0.127961	0.171388	-6.40628	6.070438	5.873404	5.931247	6.446632	6.499248	6.418777	5.683433	5.581992	5.650287	5.417818	5.340512	5.430875	5.317096	5.178243	5.191054	5.14915	5.106916	5.070394
PRODH	ENSG00000100033	1.477501	1.073504	8.957208	6.03E-08	5.20E-07	8.479367	0.41387	0.106501	0.598525	0.742604	0.828511	0.909432	0.415731	0.509405	0.106501	3.496465	3.486521	3.532043	4.943391	4.847068	4.778803	3.366734	3.698248	3.779675
PPM1F	ENSG00000100034	-0.56864	5.952092	-6.71821	3.12E-06	1.45E-05	4.037521	6.658669	6.641322	6.745705	5.775282	5.95482	5.751893	6.384753	6.254423	6.174129	5.868298	5.726347	5.792059	5.519311	5.528368	5.493616	5.824952	5.733527	5.756303
SLC35E4	ENSG00000100036	0.74508	2.494734	3.112827	0.00617	0.011487	-2.79946	2.933205	2.966631	3.06005	4.112999	4.318753	4.096805	3.490873	3.592179	3.832397	2.01088	2.011405	2.038602	1.897591	1.993753	1.550722	2.192442	2.295039	1.81044
TOP3B	ENSG00000100038	-0.207	4.236072	-3.01529	0.007617	0.013843	-3.59793	4.315334	4.094678	4.288462	3.875646	3.747367	3.733615	3.941119	3.82184	4.207726	4.717605	4.722812	4.692697	4.604095	4.638459	4.670996	4.552316	4.521577	4.531205
CYTH4	ENSG00000100055	-3.40586	-1.17105	-9.02483	5.41E-08	4.74E-07	8.257933	1.18244	1.226787	1.453818	0.258133	0.106501	0.106501	0.415731	0.387194	0.39151	1.158593	1.07167	1.248523	0.294634	0.190544	0.335616	1.177011	1.16325	1.222783
ESS2	ENSG00000100056	-0.25518	4.419164	-4.57594	0.000251	0.000668	-0.23858	4.495082	4.440906	4.351665	4.020568	4.318753	4.162865	4.274204	4.09991	4.288067	4.793054	4.887657	4.890578	4.624704	4.604394	4.642737	4.780845	4.530146	4.582581
CRYBB2P1	ENSG00000100058	-0.33586	3.413953	-3.3222	0.003912	0.007636	-2.68848	3.783815	3.472886	3.668523	3.740513	3.34578	3.472196	3.788265	3.491964	3.832397	3.614613	3.68898	3.81458	3.429485	3.054776	3.308792	3.447271	3.440885	3.487904
CARD10	ENSG00000100065	-0.56214	4.967724	-3.63464	0.001972	0.004155	-2.50708	4.516725	4.372133	4.616447	3.083078	3.295295	3.231764	2.832807	2.801791	3.023464	6.671728	6.582282	6.862742	6.416233	6.359742	6.274656	6.817261	6.683765	6.475853
LRP5L	ENSG00000100068	-0.28164	1.999118	-1.77703	0.092971	0.129403	-5.39423	1.519087	1.883052	2.469799	1.933905	2.117603	2.22781	1.762502	1.809233	1.873138	3.002038	2.912585	2.826234	2.439743	2.307842	2.76998	2.706012	2.799093	2.944608
SLC25A1	ENSG00000100075	0.084144	6.331165	0.694917	0.496242	0.558822	-7.50618	7.028082	7.125956	7.127931	6.873941	6.98932	6.705903	6.546418	6.448347	6.591422	5.560088	5.602884	5.71749	6.071654	6.087072	6.012871	6.007353	5.954929	5.864042
GRK3	ENSG00000100077	0.922517	-0.70479	4.193507	0.000578	0.001396	-0.15647	3.249862	3.494617	3.090013	4.112999	4.310303	4.233737	3.747379	3.646467	3.721038	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GGA1	ENSG00000100083	-0.21519	5.834318	-5.03753	9.33E-05	0.000279	0.537904	5.979843	6.002253	5.935379	5.720837	5.710229	5.581211	5.683433	5.767957	5.693539	6.083021	6.022456	6.057937	5.9855	5.824769	5.917315	5.788317	5.857862	5.874386
HIRA	ENSG00000100084	-0.28517	3.857016	-4.36316	0.000399	0.001004	-0.58297	3.887134	3.888531	3.96379	3.308302	3.630051	3.620621	3.602068	3.761625	3.856018	4.341661	4.242453	4.408771	4.143408	4.132949	4.104162	4.194605	4.156841	4.007286
SH3BP1	ENSG00000100092	-0.66291	2.710632	-7.26466	1.12E-06	6.06E-06	5.411699	1.927307	1.744817	1.853768	1.256461	1.612488	1.250575	1.074544	1.809233	1.674905	4.766072	4.686104	4.69001	4.135224	4.210485	3.922159	4.905811	4.784083	4.771534
LGALS1	ENSG00000100097	0.227508	6.706868	3.882455	0.001144	0.002544	-2.03773	6.997621	6.996764	6.97676	7.260438	7.407913	7.218088	7.697722	7.714215	7.659151	5.703867	5.773236	5.844958	5.930988	5.903146	5.918789	6.679846	6.696192	6.63276
HPS4	ENSG00000100099	-0.27868	5.311853	-5.74441	2.14E-05	7.65E-05	2.109783	5.523064	5.438728	5.497679	5.137544	5.054916	5.055043	4.980658	4.992342	5.015776	5.598832	5.641742	5.690855	5.430131	5.479087	5.491637	5.455985	5.370553	5.434288
PIK3IP1	ENSG00000100100	2.164334	0.715077	9.842643	1.51E-08	1.67E-07	9.957266	0.882475	0.8079	1.028027	1.688986	1.164793	1.055701	0.415731	0.253663	0.256032	1.787595	1.55885	1.696985	3.575762	3.921728	3.72061	1.992244	2.078458	1.877799
SRRD	ENSG00000100104	0.121912	4.727358	2.362498	0.029981	0.046978	-4.97283	4.393455	4.527784	4.470324	4.809518	4.648682	4.622128	4.772276	4.670823	4.726452	4.816256	4.793538	4.925267	4.912595	4.869552	4.914999	5.054624	4.996855	5.171166
PATZ1	ENSG00000100105	0.043724	5.124874	0.590099	0.562677	0.622082	-7.4486	4.730936	4.644161	4.706239	4.281793	4.318753	4.524999	4.932837	4.784126	4.807433	5.58539	5.5776	5.587799	5.786914	5.760913	5.822871	5.775896	5.716735	5.717759
TRIOBP	ENSG00000100106	0.585425	6.02898	7.2838	1.08E-06	5.88E-06	5.071691	5.082524	5.147837	5.148462	5.924447	5.960231	5.986596	5.30568	5.228657	5.342774	6.33674	6.392339	6.390586	6.862276	6.749986	6.797917	6.817261	6.834929	6.665294
TFIP11	ENSG00000100109	0.006031	5.79547	0.104753	0.917765	0.932828	-7.72434	5.786261	5.850414	5.671231	5.487537	5.647884	5.538302	5.473848	5.412203	5.474506	6.081653	5.994071	6.030584	6.255623	6.130274	6.179507	5.935182	5.922751	5.932963
GCAT	ENSG00000100116	-0.10617	2.329934	-0.86035	0.401246	0.466602	-6.50091	2.762544	2.61635	2.865896	2.577385	2.549605	2.455733	2.724622	2.777669	3.162566	2.543041	2.405511	2.592986	2.51737	2.344993	2.703134	2.554269	2.500854	2.200755
ANKRD54	ENSG00000100124	-0.06106	4.206254	-1.46143	0.161645	0.20993	-6.3866	3.903656	3.829904	3.801232	3.791129	3.772191	3.868406	3.976929	3.967564	3.946814	4.637991	4.722812	4.753161	4.667899	4.619633	4.617548	4.790139	4.76606	4.753714
EIF3L	ENSG00000100129	-0.05731	6.84387	-1.45566	0.163213	0.21164	-6.78891	6.680407	6.614281	6.512548	6.580359	6.580549	6.583107	6.625636	6.656119	6.641553	7.204334	7.157876	7.21742	7.107375	7.090035	7.122177	7.02243	6.99978	7.029758
SNU13	ENSG00000100138	-0.40392	7.036854	-7.49536	7.36E-07	4.21E-06	5.382662	6.914458	6.864275	6.859887	6.195008	6.291721	6.252385	6.653564	6.609051	6.61584	7.659516	7.576891	7.640903	7.381823	7.394118	7.391548	7.508293	7.507999	7.562309
MICALL1	ENSG00000100139	-0.19271	4.989847	-1.81239	0.08714	0.122015	-6.02326	5.019487	4.961437	5.11242	4.707799	4.668652	4.330328	4.393833	4.482206	4.189248	5.454194	5.329736	5.381764	5.426782	5.379652	5.283183	5.550168	5.593376	5.425873
CCDC134	ENSG00000100147	-0.23102	1.727405	-1.75548	0.096688	0.133831	-5.27226	1.990546	1.915637	1.921989	1.578054	1.768674	2.064596	2.102195	2.540248	2.127218	2.18395	2.212518	2.422156	2.044674	2.288901	1.923865	2.448672	2.212266	2.528753
DEPDC5	ENSG00000100150	-0.14239	3.64521	-1.71794	0.103471	0.142089	-5.87246	3.223781	3.505362	3.55495	3.503067	3.546181	3.335661	3.490873	3.633086	3.528681	4.285766	4.265255	4.09204	3.899458	4.051009	4.029733	3.830273	3.903444	4.044405

PICK1	ENSG00000100151	-0.14035	4.035945	-1.24484	0.229623	0.285909	-6.74864	3.836399	3.568199	3.726899	2.999448	2.991399	2.980206	2.724622	2.324112	2.723053	5.195703	5.21963	5.346363	5.397996	5.175668	5.250784	5.182472	5.018332	5.119922
TTC28	ENSG00000100154	0.031917	3.742357	0.094965	0.925423	0.938957	-7.07149	4.91334	5.041126	5.105102	5.598277	5.57921	5.775839	5.043928	4.997573	4.973208	3.265521	3.278101	3.043904	1.711947	1.921808	1.667532	3.022222	2.881762	2.706008
CENPM	ENSG00000100162	-1.60977	2.981408	-7.45142	7.97E-07	4.52E-06	6.001824	3.710582	3.472886	3.65856	2.97776	2.948483	2.924168	3.879385	3.605944	3.90213	3.709722	3.591299	3.652879	1.711947	1.793303	1.580823	3.651445	3.422593	3.30423
SEPTIN3	ENSG00000100167	0.769241	2.199505	2.781013	0.01257	0.021659	-3.50591	2.021155	2.308123	1.706811	3.290819	3.643567	3.711713	2.26554	2.511284	2.560038	2.356666	2.249583	2.369387	2.25569	2.148862	2.34809	2.334732	2.354144	2.760563
SLC5A4	ENSG00000100191	0.428931	-1.62615	2.95554	0.008661	0.015508	-2.84075	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.315703	1.588084	1.248523	1.573426	1.681564	1.722572	1.599785	1.737342	2.091498
KDELR3	ENSG00000100196	0.934952	3.835796	12.05585	6.71E-10	1.38E-08	13.00481	4.088441	3.872022	3.93931	4.839889	4.770725	4.740428	4.393833	4.45204	4.444269	2.856146	2.969234	2.920951	3.840269	3.933972	3.754018	3.7814	3.690624	3.753014
DDX17	ENSG00000100201	-0.04334	8.151899	-0.88224	0.38962	0.454716	-7.53581	8.217325	8.189885	8.157281	8.002324	7.933167	8.020269	8.155193	8.270211	8.263796	8.122347	8.146913	8.026565	8.168422	8.22735	8.193793	8.176208	8.253455	8.304169
TCF20	ENSG00000100207	-0.26016	5.535829	-4.49997	0.000296	0.000772	-0.59483	5.684757	5.642269	5.661287	5.272812	5.257491	5.242382	5.262806	5.27247	5.2343	5.80343	5.810921	5.770599	5.658595	5.57015	5.711642	5.811323	5.782762	5.774091
HSCB	ENSG00000100209	-0.14187	3.764591	-1.61271	0.124717	0.167721	-5.97097	3.944154	4.006672	4.138828	4.245952	4.139571	4.096805	4.034706	4.256466	4.22597	3.737768	3.830249	3.7997	3.381853	3.495729	3.437743	3.743628	3.562824	3.631427
CBY1	ENSG00000100211	-0.05492	3.776764	-0.5467	0.591499	0.648755	-7.25627	3.672523	3.786518	3.648527	3.181227	3.426184	3.200652	2.957542	3.102941	2.670735	4.377757	4.51019	4.518865	4.499582	4.525683	4.684921	4.454386	4.432969	4.428245
TOMM22	ENSG00000100216	-0.73307	6.270716	-9.44651	2.77E-08	2.71E-07	8.847837	6.436811	6.319327	6.397451	5.180897	5.371535	5.316813	5.757368	5.79224	5.738712	7.108238	6.95263	7.082544	6.545381	6.55866	6.557991	6.683176	6.712283	6.737337
XBP1	ENSG00000100219	0.439	7.16274	8.809311	7.68E-08	6.35E-07	7.72815	6.965519	6.991042	6.97375	7.581237	7.473711	7.563566	7.111134	7.258446	7.190297	6.91605	6.87988	6.932041	7.202981	7.230043	7.268641	7.18392	7.220989	7.174911
RTCB	ENSG00000100220	-0.32625	6.830307	-5.11186	7.97E-05	0.000243	0.59548	7.192593	7.14755	7.127028	6.543927	6.557529	6.643644	6.892623	6.875126	6.923112	6.886603	6.7876	6.896934	6.713543	6.729938	6.803513	6.858341	6.799927	6.802706
JOSD1	ENSG00000100221	0.478574	5.629425	5.48794	3.63E-05	0.000122	1.565271	5.343965	5.331118	5.194009	6.044055	5.997551	6.131801	6.09814	6.194191	6.106808	5.387157	5.270107	5.327468	5.498724	5.538426	5.553662	5.614363	5.558198	5.692259
FBXO7	ENSG00000100225	0.228407	6.307817	5.4268	4.12E-05	0.000136	1.323381	6.333889	6.367232	6.306268	6.534673	6.47299	6.537145	6.41117	6.48419	6.425703	6.145857	6.101878	6.200701	6.391535	6.426255	6.424306	6.162119	6.072518	6.08143
GTPBP1	ENSG00000100226	-0.27015	4.906599	-4.68157	0.0002	0.000545	-0.14897	4.271448	4.087546	4.174224	3.977507	4.231942	4.027574	3.928981	3.90213	4.112876	5.973766	5.928441	5.984176	5.7445	5.593492	5.60033	5.971038	5.956519	5.904981
POLDIP3	ENSG00000100227	-0.17273	6.736968	-4.08449	0.000734	0.001721	-1.64047	6.882515	6.758225	6.870716	6.601785	6.672424	6.668018	7.000948	6.919894	6.994023	6.790294	6.710772	6.735603	6.592474	6.547747	6.619099	6.738634	6.770396	6.643687
RAB36	ENSG00000100228	0.551464	3.639372	4.333893	0.000425	0.001062	-0.65536	3.465529	3.310847	3.322321	3.827958	3.912781	4.071231	2.696258	2.728183	2.723053	3.864012	3.878373	3.995227	4.424329	4.459468	4.368551	4.254026	4.288934	4.177341
PPP6R2	ENSG00000100239	0.621504	5.471696	7.154459	1.37E-06	7.20E-06	4.939481	5.451823	5.387379	5.431935	6.204376	6.360859	6.322707	5.510962	5.499594	5.667077	4.963066	5.118067	5.133432	5.490727	5.460164	5.371934	5.31071	5.251241	5.174518
SBF1	ENSG00000100241	-0.03605	7.317153	-0.79012	0.440046	0.504514	-7.56025	7.269505	7.262844	7.325835	7.145991	7.266567	7.169705	7.112476	7.03502	7.096735	7.417655	7.459699	7.549356	7.583276	7.44847	7.431845	7.533876	7.450477	7.318197
SUN2	ENSG00000100242	0.372547	5.179564	4.594625	0.000241	0.000644	-0.34698	3.952119	3.920993	3.96379	4.199863	4.455308	4.543715	5.043928	4.866483	5.092354	5.73898	5.739435	5.766779	6.088708	6.097994	6.012871	6.239922	6.206853	6.173105
CYB5R3	ENSG00000100243	0.50069	6.797932	10.72126	4.13E-09	5.79E-08	10.80352	6.904231	6.929549	6.994691	7.551266	7.527555	7.485043	7.379894	7.210825	7.355808	6.085751	6.140623	6.267113	6.60956	6.544756	6.575849	6.411331	6.349239	6.295162
DNAL4	ENSG00000100246	0.607636	3.235805	4.364592	0.000398	0.001001	-0.53824	2.833249	3.222448	2.681399	2.359902	2.460774	2.805104	2.513265	2.596487	2.408535	3.792275	3.715716	3.764372	4.610014	4.529722	4.649854	4.180538	4.059571	4.21038
LMF2	ENSG00000100258	0.377569	5.428736	3.220706	0.004881	0.009308	-3.32636	5.51233	5.572461	5.602736	6.342299	6.397219	6.252385	5.830962	5.650007	5.819027	4.908591	4.989766	5.285361	5.07758	5.009177	5.014844	5.105146	5.033479	4.965925
RHBDD3	ENSG00000100263	-0.11714	4.586133	-1.79513	0.089944	0.125534	-5.89147	4.892796	4.813666	5.134153	4.746789	4.854473	4.839695	4.980658	4.889176	5.07736	4.318634	4.322908	4.515833	4.414217	4.200384	4.25646	4.533992	4.428393	4.45054
PACSIN2	ENSG00000100266	-0.42932	6.894956	-13.8354	7.51E-11	2.69E-09	14.91749	6.520878	6.553462	6.519445	6.030952	6.166236	6.129738	6.288287	6.328935	6.331956	7.718322	7.714981	7.671876	7.326286	7.258312	7.233544	7.519978	7.563315	7.477317
TTLL1	ENSG00000100271	0.959987	1.856337	7.898941	3.59E-07	2.29E-06	6.855265	2.438959	2.55562	2.492412	3.083078	3.295295	3.200652	2.376953	2.184314	2.309357	1.787595	1.529011	1.49011	2.412911	2.381211	2.449456	1.542275	1.2488	1.81044
AP1B1	ENSG00000100280	-0.07819	6.958823	-2.26291	0.036638	0.056262	-5.49336	6.467698	6.506104	6.560152	6.34865	6.42096	6.365418	6.393612	6.377892	6.325625	7.549594	7.50399	7.574706	7.564731	7.465966	7.480558	7.538479	7.559658	7.485438
HMGXB4	ENSG00000100281	-0.55124	5.590608	-8.72642	8.80E-08	7.10E-07	7.767294	5.944347	5.971588	5.992018	5.241304	5.257491	5.359696	6.068018	6.055619	5.923331	5.647693	5.667648	5.694882	5.190502	5.292003	5.250784	5.479156	5.541343	5.617869
TOM1	ENSG00000100284	1.113583	5.125722	6.653078	3.54E-06	1.62E-05	4.046982	4.559062	4.624584	4.662041	6.176088	6.285268	6.140024	5.952856	5.646681	5.788664	4.630531	4.679329	4.66833	5.229468	5.196144	5.222422	4.581158	4.65292	4.399883
BIK	ENSG00000100290	0.062629	0.75472	0.291157	0.774359	0.812643	-6.77182	1.069823	1.118985	0.964748	0.635873	0.828511	0.830331	0.548589	0.622068	0.256032	2.409929	2.23117	2.198406	2.371704	2.344993	2.618601	2.957699	2.726388	2.59029
HMOX1	ENSG00000100292	-1.01487	4.987271	-4.26817	0.000491	0.001207	-0.79823	6.62668	6.746952	6.892132	5.499001	5.667864	5.535187	7.434574	7.194975	7.106615	3.93235	3.890158	3.95997	3.46257	3.591587	3.421201	3.560228	3.297679	3.30423
MCAT	ENSG00000100294	-0.28088	4.391059	-3.84222	0.00125	0.002751	-1.77851	4.901049	4.961437	4.990634	4.681208	4.701332	4.524999	4.6445	4.610649	4.674259	4.156676	4.157244	4.434686	4.050717	4.10073	3.985412	4.386563	4.216457	4.143528
THOC5	ENSG00000100296	-0.30267	5.889008	-2.67532	0.015711	0.026404	-4.5819	6.095825	6.01922	5.914599	5.067404	5.270617	5.068031	5.422829	5.431657	5.435842	6.352697	6.305902	6.321949	6.378593	6.44027	6.34869	6.193979	6.174423	6.233818
MCM5	ENSG00000100297	-1.71604	5.856493	-10.0597	1.09E-08	1.26E-07	9.921855	6.282699	6.370174	6.354895	5.190356	5.321958	5.334836	5.982519	5.891111	5.926124	6.640499	6.537089	6.647626	4.552785	4.476309	4.535391	6.600185	6.684725	6.62543
ARSA	ENSG00000100299	1.448797	4.868648	15.52987	1.15E-11	6.96E-10	17.02377	4.516725	4.614695	4.808898	6.171319	6.256968	6.092086	5.183289	5.023446	5.211591	3.651939	3.958911	4.128223	5.345753	5.141762	5.087406	4.661004	4.477953	4.323421
TSPO	ENSG00000100300	0.014103	6.344272	0.143228	0.887748	0.908087	-7.75167	6.897029	6.987215	7.152098	6.682767	6.85634	6.687786	6.619984	6.577961	6.619295	5.643993	5.785907	5.976478	6.133567	6.100712	6.103786	6.041481	5.945351	5.731481
TTLL12	ENSG00000100304	0.075701	6.412962	1.225987	0.236466	0.29343	-7.01335	6.371495	6.370174	6.336266	6.500859	6.721046	6.572513	6.768706	6.654464	6.7273	6.195997	6.135682	6.275203	6.206666	6.107484	6.09599	6.684007	6.520275	6.506769
CBX7	ENSG00000100307	-0.87926	2.01455	-5.84054	1.76E-05	6.47E-05	2.834948	2.296082	2.258179	2.514675	1.022291	1.164793	1.310092	1.160105	1.367163	1.244857	3.716784	3.431133	3.538032	3.031169	2.913535	2.906973	3.200096	3.404065	3.328509
PDGFB	ENSG00000100311	0.407589	2.078868	1.745817	0.098395	0.135918	-5.95064	1.861169	1.708084	1.818408	0.258133	0.512209	0.2349	0.269385	0.509405	0.39151	4.667452	4.506366	4.77868	5.349295	5.175668	5.183718	5.577264	5.382432	5.311765
RPL3	ENSG00000100316	-0.08424	10.37595	-2.67062	0.015867	0.026631	-4.9116	10.6712	10.64142	10.65085	10.49367	10.56825	10.47195	10.71466	10.72103	10.70742	10.18327	10.11741	10.07872	10.07753	10.11144	10.10698	10.13094	10.13984	10.20104
ZMAT5	ENSG00000100319	0.168332	3.753942	1.984224	0.063161	0.091739	-5.37646	3.936145	3.99909	4.222364	3.999198	4.110665	4.018682	4.185161	4.299455	4.270596	3.560679	3.447177	3.476988	3.87509	3.799921	3.658454	3.530961	3.520448	3.621636
RBFOX2	ENSG00000100320	-0.41038	6.347583	-9.7166	1.82E-08	1.94E-07	9.284332	6.663528	6.69158	6.545359	6.166534	6.071915	6.168443	6.281144	6.308036	6.265158	6.679883	6.564007	6.553934	6.327426	6.250178	6.215927	6.270127	6.294965	6.268742
SYNGR1	ENSG00000100321	0.626856	2.102335	4.323334	0.000435	0.001084	-0.06006	4.029438	3.863696	4.034833	4.54774	4.795153	4.407292	4.606901	4.504423	4.556652	0.982259	0.848253	0.683459	0.945898	1.16289	1.17005	1.058946	1.072305	1.058313
TAB1	ENSG00000100324	-0.25406	4.811721	-3.41163	0.003217	0.006401	-2.83993	5.156772	5.070363	5.214556	4.619522	4.733289	4.662649	4.832157	4.860754	4.889843	4.917814	4.872886	5.076957	4.98725	4.850301	4.782046	4.799373	4.613145	4.617485
ASCC2	ENSG00000100325	0.057854	6.137797	1.206056	0.243869	0.301643	-7.04332	5.752454	5.738755	5.901987	5.762655	5.818465	5.855404	5.657922	5.458458	5.619566	6.589467	6.474868	6.636504	6.708725	6.575365	6.672491	6.540857	6.53525	6.576851
MTMR3	ENSG00000100330	0.195852	5.539	2.774189	0.012753	0.021936	-4.34741	5.053202	5.151261	5.094055	5.112883	5.075006	5.080903	5.093706	5.141559	4.973208	6.060989	6.085314	6.040111	6.372513	6.281656	6.42638	5.750728	5.744615	5.769665
MIEF1	ENSG00000100335	-0.10102	6.725777	-2.63305	0.017166	0.02857	-4.7362	6.849848	6.749213	6.72914	6.650575	6.735318	6.753578	6.973143	6.908832	6.916106	6.73571	6.678008	6.705318	6.585732	6.503249	6.624528	6.806614	6.69238	6.720234
APOL1	ENSG00000100342	0.069046	5.577379	0.696841	0.495067	0.557763	-7.46712	4.811948	4.658672	4.74442	5.232173	5.199191	5.215396	4.544628	4.741115	4.758139	6.273483	6.349235	6.314117	6.151938	6.272043	6.167159	6.520526	6.505142	6.56923
PNPLA3	ENSG00000100344	0.023157	-0.4656	0.0654	0.948598	0.957607	-6.20991	1.681202	1.883052	2.109199	1.791994	1.996426	1.956998	1.240874	1.491012	1.826075	0.483018	0.462741	0.34382	0.46104	0.26996	0.533283	0.257084	0.504542	0.106501
MYH9	ENSG00000100345	-0.14433	9.941497	-1.48633	0.155007	0.202733	-6.97057	9.95386	9.910042	10.0962	9.591299	9.706496	9.703962	9.212216	9.049593	9.116285	10.37641	10.31633	10.26669	10.39395	10.26411	10.31387	10.23002	10.25214	10.22205
CACNA1I	ENSG00000100346	-0.42868	0.273675	-2.43667	0.025777	0.041146	-4.37444	0.318509	0.106501	0.421314	0.106501	0.25478	0.461789	0.106501	0.387194	0.256032	3.772076	3.584062	3.804677	3.181815	3.243672	3.470269	3.374993	3.385297	3.279535
SAMM50	ENSG00000100347	-0.01723	5.348016	-0.34422	0.734788	0.777844	-7.54715	5.779563	5.83559	5.901987	5.794018	5.700562	5.743822	5.80795	5.609584	5.559688	5.006941	4.992502	5.035219	5.075443	5.076992	5.060955	5.062316	4.910886	4.985143
TXN2	ENSG00000100348	0.027934	6.163587	0.531366	0.601854	0.658728	-7.62232	6.147031	6.072572	6.135406	6.075025	6.140251	6.070736	6.028748	6.175851	6.002193	6.376307	6.287085	6.384782	6.466844	6.382256	6.384329	6.067194	6.017209	6.104461
FOXRED2	ENSG00000100350	-0.09033	6.327292	-1.04911	0.30842	0.370891	-7.23164	5.570401	5.706529	5.762434	5.98549	5.932971	6.081451	6.008705	5.848324	6.041352	6.899851	6.956138	6.974066	6.643138	6.556682	6.570234	6.93366	6.897528	6.873516
EIF3D	ENSG00000100353	-0.54661	8.101403	-5.37995	4.54E-05	0.000148	1.068055	8.715953	8.68293	8.694237	7.700235	7.810463	7.757763	7.91174	7.866352	7.904007	8.229006	8.193428	8.209614	8.029879	7.999854	8.044507	8.081604	8.007572	8.085651
TNRC6B	ENSG00000100354	0.220098	4.620957	1.798137	0.089451	0.124906	-5.93415	4.212988	4.164126	4.019345	4.714371	4.825118	4.903882	4.792514	4.866483	4.831463	4.762664	4.959326	4.830842	4.779762	4.66441	4.788509	4.820694	4.576385	4.753714
SGSM3	ENSG00000100359	0.597874	4.753644	5.615299	2.79E-05	9.64E-05	1.977686	4.925527	4.548709	4.85325	5.1079	5.190008	4.951383	5.093706	5.188055	5.220718	4.332495	4.296585	4.205521	5.148423	5.032138	5.025827	4.430811	4.534411	4.488745
IFT27	ENSG00000100360	-0.09542	3.561133	-1.28886	0.214244	0.268853	-6.3799	4.152058	3.928996	4.065319	3.966538	3.945887	3.907468	3.586698	3.698786	3.832397	3.536933	3.619889	3.413246	3.395624	3.576046	3.396027	3.501087	3.385297	3.410407
KIAA0930	ENSG00000100364	0.458859	6.496429	4.130816	0.000663	0.001572	-1.47126	6.875203	6.852753	6.890005	7.737815	7.6681	7.678823	7.438861	7.23317	7.396646	5.735507	5.688044	5.804535	5.780368	5.686883	5.769963	5.777454	5.625718	5.642288
SLC25A17	ENSG00000100372	0.183514	5.523817	2.359911	0.030139	0.047188	-5.08076	5.646	5.736477	5.778624	6.067345	6.089305	6.12353	6.059692	6.168913	6.084485	5.314527	5.087685	5.155027	5.174616	5.198683	5.100452	5.137061	5.003024	5.109451
FAM118A	ENSG00000100376	-0.46041	4.259613	-3.62487	0.002015	0.004236	-2.23679	4.929567	4.95753	4.917323	3.999198	4.071202	4.218286	4.454362	4.644388	4.578115	4.455814	4.487097	4.046548	4.17569	4.148793	4.242405	3.730814	4.023613	3.999746
KCTD17	ENSG00000100379	0.521848	3.52598	5.783884	1.97E-05	7.12E-05	2.513226	3.236881	3.286138	3.431666	3.77864	3.934936	3.91707	3.315502	2.981485	2.915195	3.622156	3.793073	3.652879	4.139322	4.174819	4.093761	3.762638	4.017531	3.725851
ST13	ENSG00000100380	0.186977	8.464992	5.058279	8.93E-05	0.000267	0.361698	8.61296	8.605466	8.628767	8.872814	8.848076	8.893841	8.7171	8.708918	8.753292	8.197165	8.183286	8.228024	8.341364	8.290011	8.3299	8.08884	8.07134	8.076272
RBX1	ENSG00000100387	0.125191	5.229406	2.700619	0.014897	0.025187	-4.39974	5.089762	5.211553	5.041355	5.338099	5.180767	5.187896	5.32896	5.420016	5.247756	5.240498	5.224293	5.153077	5.302552	5.361637	5.319341	5.490603	5.319564	5.380146
EP300	ENSG00000100393	0.152796	6.735563	1.836489	0.083354	0.11729	-6.19497	6.563094	6.579116	6.737446	7.025647	6.95991	7.140287	6.868994	6.692053	6.914701	6.796141	6.877662	6.517263	6.662488	6.57341	6.68813	6.633268	6.647799	6.615597
L3MBTL2	ENSG00000100395	-0.07657	5.903151	-1.9018	0.073811	0.105318	-5.98589	6.022073	6.094084	6.10638	6.017729	5.946666	6.002468	5.919505	6.007169	5.920533	5.819922	5.874589	5.924843	5.810235	5.726134	5.890527	5.901274	5.852747	5.866117
RANGAP1	ENSG00000100401	-0.53434	7.129204	-5.99814	1.28E-05	4.93E-05	2.446868	7.642373	7.669193	7.66072	6.79243	6.815127	6.80232	7.233375	7.167391	7.212198	7.095425	7.074477	7.112454	6.917606	6.81266	6.831167	7.29527	7.209698	7.176583
ZC3H7B	ENSG00000100403	-0.43109	6.996472	-5.20547	6.54E-05	0.000204	0.78524	7.523797	7.528149	7.555259	6.818591	6.798609	6.741468	7.140378	7.03502	7.083039	6.938126	6.934961	6.920051	6.881975	6.773171	6.725662	6.949646	6.935114	6.866279
PHF5A	ENSG00000100410	-0.50327	5.56173	-11.6862	1.09E-09	2.03E-08	12.29033	5.70139	5.720428	5.633581	5.185634	5.176125	5.227023	5.701383	5.650007	5.633301	5.861941	5.693098	5.868916	5.384248	5.292003	5.269387	5.905556	5.898138	5.880558
ACO2	ENSG00000100412	0.134759	6.951923	3.155223	0.005628	0.010576	-3.66776	7.401156	7.40661	7.403204	7.483628	7.492506	7.453222	7.533082	7.473613	7.501464	6.425634	6.386111	6.452146	6.614721	6.612021	6.623624	6.367507	6.352866	6.381823
POLR3H	ENSG00000100413	-0.11814	5.966814	-2.36482	0.029841	0.046798	-5.13503	6.528888	6.473645	6.606236	6.4407	6.589306	6.491278	6.589465	6.515521	6.500674	5.534334	5.500898	5.673276	5.326113	5.32724	5.435088	5.488702	5.377692	5.461988
TRMU	ENSG00000100416	0.083346	4.816952	1.028795	0.317604	0.380809	-6.93622	5.100552	4.999934	5.123327	5.420792	5.431202	5.302231	5.461262	5.503276	5.526952	4.537862	4.369954	4.491347	4.309002	4.200384	4.398437	4.481413	4.592839	4.444998
PMM1	ENSG00000100417	-0.17216	3.977021	-1.61284	0.124688	0.167715	-5.98053	5.0569	4.80064	4.913139	4.43289	4.842803	4.616245	4.737903	4.690335	4.770621	3.659289	3.406729	3.464463	3.640803	3.453829	3.412858	3.307556	3.356678	2.896697
DESI1	ENSG00000100418	0.035368	5.662927	0.457683	0.652819	0.703756	-7.56617	5.819295	5.706529	5.796906	5.901593	5.868245	5.860389	5.712047	5.75257	5.663734	5.447841	5.493191	5.493859	5.50509	5.423729	5.467673	5.922559	5.779172	5.847335
CERK	ENSG00000100422	0.006509	5.818596	0.13874	0.891242	0.91094	-7.63288	6.609156	6.549574	6.628099	6.587536	6.50296	6.626187	6.807343	6.657772	6.772996	4.983707	5.087685	5.01818	5.053895	5.123169	5.036727	5.139487	5.003024	5.09537
BRD1	ENSG00000100425	-0.29189	5.164544	-3.86318	0.001193	0.00264	-1.90679	5.560015	5.482886	5.469462	5.004446	5.013874	4.864722	5.365443	5.368459	5.359397	5.09088	5.181778	5.193482	5.190502	5.029288	4.992623	5.201172	5.304658	5.033946
ZBED4	ENSG00000100426	-0.32795	5.555598	-6.209	8.41E-06	3.42E-05	3.05633	5.970071	5.967708	6.001902	5.608898	5.458224	5.54451	5.687041	5.581992	5.616111	5.656903	5.519985	5.568909	5.408221	5.292003	5.382653	5.544687	5.358575	5.403191
ABHD4	ENSG00000100439	0.512021	6.046053	5.758129	2.08E-05	7.46E-05	2.079562	6.120772	6.074377	6.044605	6.689454	6.623812	6.753578	6.742939	6.6022	6.714435	5.612151	5.54629	5.47681	5.988911	5.857276	5.930525	5.513229	5.433569	5.531613
KHNYN	ENSG00000100441	0.491579	7.107874	11.45629	1.49E-09	2.56E-08	11.81035	6.948699	6.812224	6.823565	7.343335	7.329594	7.320227	6.575907	6.66765	6.544946	7.137482	7.117093	7.202413	7.701974	7.653486	7.617089	7.156034	7.095983	7.09313
FKBP3	ENSG00000100442	0.055833	6.534128	1.033646	0.315393	0.378286	-7.26453	6.234531	6.221723	6.140783	6.477868	6.424879	6.453835	6.318841	6.295349	6.278331	6.815186	6.789961	6.7912	6.619129	6.737816	6.772059	6.853916	6.87416	6.807033
SDR39U1	ENSG00000100445	-0.0011	5.273497	-0.01546	0.987838	0.989853	-7.63314	5.294704	5.346137	5.30675	4.97738	5.190008	5.072334	5.30568	5.155666	5.351109	5.384942	5.434044	5.339521	5.477839	5.605024	5.553662	5.233327	5.287071	5.296461
RBM23	ENSG00000100461	0.012631	6.850858	0.266008	0.793346	0.828175	-7.80637	6.425413	6.461282	6.512548	6.500859	6.510356	6.463697	6.706074	6.67583	6.771444	7.193615	7.179045	7.176249	7.215651	7.152271	7.176165	7.105433	7.131612	7.194858
PRMT5	ENSG00000100462	-0.42638	7.618888	-10.4417	6.18E-09	8.03E-08	10.30021	7.554857	7.536684	7.521987	7.109061	7.033624	7.02513	7.163872	7.19725	7.184478	8.202836	8.09408	8.167735	7.767646	7.797383	7.773514	8.079711	8.007572	8.064123
COCH	ENSG00000100473	0.085827	4.143517	0.51122	0.615595	0.670894	-7.05662	5.266237	5.234335	5.05661	5.517909	5.60362	5.669075	5.646849	5.653324	5.474506	3.284659	3.232543	3.210672	2.504718	2.612083	2.703134	3.281432	3.32748	3.410407
AP4S1	ENSG00000100478	0.320654	3.46684	4.428333	0.000346	0.000886	-0.42816	3.041689	2.853456	2.579475	3.06262	3.170134	2.865864	2.981245	2.848856	2.748518	3.980092	4.296585	4.096105	4.407437	4.476309	4.484549	4.353508	4.395944	4.38838
POLE2	ENSG00000100479	-1.71991	2.695239	-7.24092	1.17E-06	6.28E-06	5.610729	3.056542	3.027527	2.641489	2.577385	2.71237	2.22781	2.667326	3.102941	2.892531	3.751589	3.975599	3.824415	1.733794	1.921808	1.900186	3.651445	3.659719	3.55117
VCPKMT	ENSG00000100483	-0.05607	3.214889	-0.6061	0.552236	0.612006	-6.98213	2.850396	2.9974	3.309643	2.91067	3.207016	3.335661	3.004565	3.318907	3.389938	3.520882	3.554746	3.784665	3.501296	3.528394	3.454098	3.658228	3.68296	3.650813
SOS2	ENSG00000100485	0.572772	4.964316	6.347509	6.40E-06	2.70E-05	3.384812	4.2778	4.164126	4.229112	4.96641	4.758354	4.899045	4.709802	4.690335	4.626988	5.382723	5.473744	5.210458	5.792129	5.8476	5.918789	5.170659	5.048468	5.091828
CDKL1	ENSG00000100490	-0.38151	0.499061	-1.77166	0.093885	0.130485	-5.02045	1.642349	1.420874	1.202741	1.182548	0.92021	1.250575	1.459147	0.824004	0.735084	1.388276	1.644832	1.360915	1.392977	1.16289	1.284217	1.571317	1.513652	1.626848
NIN	ENSG00000100503	0.167312	6.015857	4.100876	0.000708	0.001667	-1.53838	5.973987	5.994648	5.910407	6.190301	6.11136	6.156332	5.850398	5.783182	5.782514	6.059601	6.081465	6.041166	6.256567	6.240353	6.116685	6.060808	6.038386	6.050746
PYGL	ENSG00000100504	-0.65402	7.338762	-15.8768	8.02E-12	5.43E-10	17.21947	7.872774	7.946019	7.839471	7.430734	7.323309	7.311152	7.611118	7.585526	7.60703	7.466136	7.44679	7.493815	6.715603	6.713165	6.692445	7.034863	7.083666	7.095784
TRIM9	ENSG00000100505	-0.09848	-0.08155	-0.36034	0.722911	0.768045	-6.22121	1.561356	1.947501	1.921989	1.519216	1.307481	1.799787	1.317361	1.430416	1.171446	0.54782	0.524532	0.449284	0.745413	0.484926	0.593579	0.576451	0.816175	0.805046
PSMC6	ENSG00000100519	-0.3317	6.73487	-9.28507	3.57E-08	3.35E-07	8.551362	6.756286	6.812224	6.689324	6.462335	6.411116	6.476742	6.534451	6.71922	6.678454	7.061151	7.08156	7.052	6.699734	6.753445	6.689858	6.871535	6.839246	6.891962
GNPNAT1	ENSG00000100522	-0.25009	7.135072	-7.5763	6.36E-07	3.72E-06	5.527966	7.012932	6.950339	6.975757	6.691121	6.670775	6.634942	6.898859	6.872281	6.783812	7.57605	7.535284	7.565572	7.307744	7.379085	7.399487	7.457184	7.427727	7.487461
DDHD1	ENSG00000100523	0.476883	4.7704	7.524679	6.98E-07	4.03E-06	5.723642	4.2778	4.553894	4.406272	5.0571	5.024245	4.992837	4.688362	4.80814	4.66091	4.86157	4.86395	4.654613	5.19838	5.144398	5.087406	4.947942	4.787661	4.832225
CDKN3	ENSG00000100526	-1.62674	3.912115	-7.72667	4.87E-07	2.96E-06	6.397284	4.884496	4.719916	4.498524	3.921807	3.722109	3.838399	5.178171	5.285358	5.136423	4.359822	4.045764	4.310722	2.314863	2.039797	1.900186	4.203908	4.195062	4.223386
CNIH1	ENSG00000100528	-0.4826	7.176604	-9.2672	3.67E-08	3.44E-07	8.497084	7.326529	7.418738	7.285132	6.826196	6.751013	6.786691	7.542075	7.507924	7.403676	7.339736	7.320209	7.330873	6.904423	6.921193	6.914784	7.230179	7.261433	7.296052
CGRRF1	ENSG00000100532	0.088032	3.442473	0.83961	0.412465	0.477543	-6.85249	3.551922	3.608619	3.522358	3.51817	3.207016	3.216292	3.296733	3.749274	3.759121	3.544892	3.486521	3.619375	3.835226	3.858903	3.799527	3.501087	3.698248	3.571657
ATP6V1D	ENSG00000100554	0.279429	6.103626	3.666416	0.001839	0.003908	-2.49939	5.895619	5.83559	5.8172	6.122741	6.064398	6.087841	6.132946	6.150246	6.293548	6.164057	6.133205	6.158558	6.403511	6.453088	6.48625	6.072282	5.916229	6.068874
PLEK2	ENSG00000100558	-0.48267	3.195695	-4.24119	0.000521	0.001273	-0.77498	3.026682	2.853456	2.776595	2.325974	2.366112	2.029614	2.545421	2.324112	2.616448	4.087524	4.186209	4.253631	3.830164	3.921728	3.679472	4.720549	4.668528	4.665927
PIGH	ENSG00000100564	1.155517	3.978045	11.11195	2.38E-09	3.72E-08	11.69875	3.313074	3.310847	3.322321	4.54774	4.158524	4.34463	4.479546	4.519046	4.459769	3.403229	3.633975	3.538032	4.63635	4.608219	4.617548	4.199264	4.07722	4.197255
PSMA3	ENSG00000100567	-0.40352	7.010042	-10.5132	5.57E-09	7.41E-08	10.46307	7.218413	7.214556	7.127931	6.891445	6.774239	6.856972	7.016804	7.207443	7.132234	7.195513	7.121473	7.221147	6.713543	6.706935	6.779379	7.039417	7.078564	7.094015
VTI1B	ENSG00000100568	0.343446	6.051183	8.98797	5.74E-08	4.99E-07	8.129864	5.903856	5.926333	6.015627	6.250324	6.234814	6.333504	6.143489	6.063123	6.054173	5.880929	5.877552	5.950891	6.189971	6.26963	6.299759	5.916914	6.014158	6.000631
TIMM9	ENSG00000100575	-0.35485	5.300351	-5.75272	2.10E-05	7.53E-05	2.141428	5.606174	5.634949	5.37527	5.15214	4.955466	5.097889	5.082792	5.188055	5.146036	5.510146	5.485444	5.606445	5.240955	5.287239	5.323798	5.448178	5.449467	5.494541
GSTZ1	ENSG00000100577	-0.41594	4.325353	-4.21496	0.000551	0.001338	-0.98166	4.992709	4.992316	5.022058	4.3081	4.222966	4.138446	4.302704	4.482206	4.364168	4.412971	4.479316	4.52189	4.309002	4.412116	4.402656	4.01601	3.942484	3.87342
KIAA0586	ENSG00000100578	-0.13337	4.192351	-2.43253	0.025996	0.041449	-4.74293	4.363907	4.336476	4.388298	4.142539	4.376555	4.249025	3.976929	4.147745	3.90213	4.525848	4.562677	4.444286	4.400624	4.303069	4.389961	4.052512	4.065478	4.274271
TMED8	ENSG00000100580	0.483105	5.170053	5.660269	2.54E-05	8.88E-05	1.986473	4.239263	4.12982	4.281987	5.062262	4.894593	5.033133	5.547145	5.447033	5.493457	5.21079	5.267851	5.139353	5.495531	5.495702	5.475705	5.925374	5.802349	5.911023
SAMD15	ENSG00000100583	0.854639	1.391464	7.270995	1.11E-06	6.00E-06	5.72246	1.286899	1.465573	1.088647	2.103714	1.612488	1.840725	1.317361	1.001115	1.38134	2.18395	2.437987	2.152295	2.95881	2.962168	2.895043	1.970607	1.82352	2.033602
AHSA1	ENSG00000100591	-0.22431	7.801513	-5.03831	9.32E-05	0.000278	0.338253	7.360589	7.26995	7.281079	7.040106	7.072867	7.060219	7.078541	7.048944	7.088034	8.566853	8.501627	8.495283	8.328859	8.295063	8.327683	8.588793	8.559465	8.596188
DAAM1	ENSG00000100592	0.214969	4.62455	0.997362	0.332197	0.395841	-7.11681	4.762983	4.724521	4.636889	3.441022	3.426184	3.18484	3.115825	3.102941	3.143496	5.44146	5.597503	5.409798	6.12739	6.240353	6.214728	5.400428	5.26414	5.453733
SPTLC2	ENSG00000100596	0.103448	5.57785	1.536499	0.142321	0.187849	-6.55576	4.95357	4.913842	4.942176	5.190356	5.221894	5.2875	4.6445	4.670823	4.694053	6.286596	6.335294	6.209172	6.250896	6.33341	6.26889	6.32551	6.283608	6.209512
RIN3	ENSG00000100599	0.363188	4.121506	3.782173	0.001426	0.003096	-1.94245	3.936145	3.768792	3.828148	3.605613	4.081169	3.700636	3.571163	3.711575	3.655245	4.332495	4.269773	4.408771	4.933985	4.820936	4.820398	4.865346	4.769683	4.689552
LGMN	ENSG00000100600	-0.37255	6.286955	-9.68302	1.92E-08	2.02E-07	9.226786	5.966143	5.877545	5.893516	5.576799	5.57216	5.547605	5.925627	5.918946	6.025816	6.974675	6.944176	7.00196	6.635904	6.561622	6.569296	6.893979	6.851263	6.791833
ALKBH1	ENSG00000100601	-0.10832	4.575258	-1.9095	0.072752	0.103984	-5.76834	4.199669	4.262405	4.363979	4.333937	4.310303	4.372816	4.512454	4.389749	4.41276	5.099011	4.928229	5.054151	4.785003	4.843827	4.863891	4.908658	4.952919	4.886383
SNW1	ENSG00000100603	-0.24454	6.655423	-4.22419	0.00054	0.001315	-1.33826	6.65135	6.633998	6.659661	6.220625	6.180215	6.213949	6.464699	6.555084	6.519286	6.960612	6.91995	7.030387	6.833478	6.890895	6.913307	6.86715	6.755857	6.796192
CHGA	ENSG00000100604	-0.24853	-1.03277	-1.37636	0.186089	0.237625	-5.32239	3.183753	3.39414	3.190238	3.123142	3.093416	2.805104	3.19904	3.043491	3.199964	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ITPK1	ENSG00000100605	1.622327	6.120219	5.823979	1.82E-05	6.64E-05	2.401514	6.791116	6.804633	6.738629	8.972814	8.930675	8.958913	8.728962	8.607369	8.626837	3.926269	3.913441	3.85832	3.894617	4.062207	3.760608	4.799373	4.798342	4.844905
DHRS7	ENSG00000100612	-0.03376	6.373278	-0.4668	0.646407	0.698224	-7.67523	6.418244	6.448813	6.400443	6.159327	6.161547	6.168443	6.332727	6.438765	6.451128	6.367358	6.44422	6.541317	6.616192	6.614876	6.552305	6.305125	6.330965	6.290535
PPM1A	ENSG00000100614	0.465928	5.473463	11.53257	1.34E-09	2.36E-08	12.08641	5.334855	5.404699	5.258094	5.7878	5.732536	5.801988	5.559008	5.659938	5.629879	5.14686	5.115559	5.292465	5.660022	5.683261	5.620394	5.47532	5.469653	5.494541
SIX4	ENSG00000100625	0.044909	4.176879	0.653806	0.521746	0.58362	-7.29198	3.593253	3.714268	3.586821	3.325575	3.394558	3.292047	3.33403	3.141256	3.181386	5.101711	5.032928	5.052059	5.184566	5.18338	5.264758	5.146741	5.184958	5.19777
GALNT16	ENSG00000100626	2.188572	1.268518	4.937713	0.000115	0.000336	1.348552	4.615318	4.412648	4.547936	6.800173	6.824058	6.703131	5.35187	5.289629	5.408147	0.269074	0.259702	0.230035	0.352262	0.106501	0.263213	0.183756	0.358227	0.214669
CEP128	ENSG00000100629	-1.71594	1.957866	-10.1074	1.01E-08	1.19E-07	10.30892	2.526909	2.448351	2.794903	1.933905	1.666451	1.526279	2.908934	2.777669	2.471058	2.894025	2.727926	2.911754	1.248697	1.393161	1.284217	2.831347	2.741225	3.079476
ERH	ENSG00000100632	-0.46261	7.546812	-11.5373	1.33E-09	2.36E-08	11.90321	7.531127	7.488763	7.555259	6.952482	6.932643	6.937025	7.334607	7.449959	7.413659	8.008967	7.950925	7.917075	7.569675	7.63298	7.590982	7.85717	7.932799	7.93369
HIF1A	ENSG00000100644	0.827496	8.461758	3.813819	0.00133	0.002909	-2.36504	7.593561	7.731719	7.708583	9.319805	9.307285	9.371497	8.597587	8.553781	8.560992	8.080182	8.112431	8.137727	8.188337	8.170924	8.172948	8.896395	8.900378	8.989276
SUSD6	ENSG00000100647	0.087498	5.537376	0.806824	0.430611	0.495531	-7.36422	4.901049	4.999934	5.108765	5.190356	5.217382	5.191857	5.310366	5.339915	5.392079	6.165349	6.085314	6.180741	6.166067	6.130274	6.154705	5.575473	5.560291	5.600528
SRSF5	ENSG00000100650	-0.44095	7.129996	-6.26449	7.54E-06	3.11E-05	2.974392	7.201808	7.202228	7.144087	6.591112	6.289573	6.515184	6.635005	6.782709	6.772996	7.619094	7.648889	7.629027	7.430292	7.345107	7.439566	7.40722	7.397606	7.487461
EIF5	ENSG00000100664	-0.0339	8.572473	-0.43949	0.665693	0.715582	-7.86532	8.070483	8.165114	8.07493	8.407591	8.344548	8.38318	8.689487	8.736555	8.644747	8.841616	8.808408	8.811877	8.501161	8.534739	8.524191	8.973887	8.892508	8.971318
DICER1	ENSG00000100697	0.099832	6.586659	1.44149	0.167124	0.21616	-6.78268	6.413925	6.448813	6.469031	6.667608	6.428788	6.705903	6.217704	6.245657	6.206646	6.782742	6.756554	6.627403	6.725177	6.775724	6.833513	6.831585	6.774008	6.930146
ZFYVE21	ENSG00000100711	0.065044	5.071609	1.131271	0.273225	0.333608	-6.96983	4.595114	4.644161	4.520694	4.464421	4.544465	4.447604	4.666597	4.843429	4.770621	5.47933	5.531317	5.577658	5.654305	5.642809	5.72012	5.794488	5.707321	5.521118
MTHFD1	ENSG00000100714	-0.71964	7.040906	-14.0119	6.12E-11	2.28E-09	15.13026	7.292429	7.367396	7.268852	6.737027	6.703408	6.721057	6.901967	6.906053	6.805205	7.577506	7.457225	7.52619	6.746826	6.696193	6.676852	7.245463	7.115332	7.198979
ZC3H14	ENSG00000100722	-0.42892	6.392178	-9.05132	5.18E-08	4.57E-07	8.209965	6.715925	6.724138	6.663402	6.450574	6.352653	6.445565	6.655407	6.6022	6.61411	6.560316	6.458142	6.521048	5.93217	5.986328	5.977952	6.20676	6.206853	6.308955
TELO2	ENSG00000100726	-0.21756	5.282396	-2.02277	0.05867	0.085865	-5.72023	4.85081	4.921884	5.116065	4.881362	5.235346	4.918297	4.737903	4.637703	4.700591	5.698525	5.789058	6.070389	5.642804	5.434541	5.467673	6.032372	5.981727	5.682873
PCNX1	ENSG00000100731	0.208147	5.88708	3.012911	0.007656	0.013903	-3.88291	5.493352	5.582643	5.552509	5.848808	5.930216	6.115212	5.774426	5.58547	5.556087	6.153685	6.24526	6.005947	6.124292	6.144832	6.270045	5.937972	6.030859	6.072473
GSKIP	ENSG00000100744	0.169644	5.462671	2.89911	0.009775	0.017305	-4.0639	5.180696	5.007511	5.183625	5.137544	5.226392	5.203674	5.257962	5.281075	5.188519	5.783387	5.779586	5.785781	5.992313	6.039705	5.983596	5.628249	5.609638	5.675793

VRK1	ENSG00000100749	-1.98731	4.510684	-18.9215	4.39E-13	5.84E-11	20.27437	4.863535	4.787496	4.777019	3.376187	3.426184	3.620621	4.544628	4.405576	4.380548	5.828099	5.719758	5.838905	3.53901	3.806595	3.62273	5.334197	5.289597	5.391714
PSMC1	ENSG00000100764	-0.145	7.327636	-4.50924	0.00029	0.000759	-0.76727	7.327294	7.361495	7.306026	7.189095	7.051479	7.192618	7.237072	7.236492	7.220183	7.483839	7.470041	7.549356	7.390445	7.36163	7.428228	7.428208	7.392329	7.438803
PAPLN	ENSG00000100767	1.031014	1.020278	4.106057	0.0007	0.00165	-0.71625	1.286899	1.226787	1.028027	0.742604	0.730585	0.909432	1.459147	0.622068	0.629397	2.282443	2.453955	2.055402	3.46257	3.38415	3.629946	1.759719	1.981819	1.942153
RPS6KA5	ENSG00000100784	-0.05011	2.720734	-0.29448	0.771857	0.810615	-7.04422	1.719036	2.125186	2.109199	2.457149	2.520598	2.374422	2.884002	2.801791	2.959482	3.512789	3.824119	3.602326	3.325419	3.622174	3.19663	3.358427	3.317614	3.432977
PPP4R3A	ENSG00000100796	-0.05831	6.527731	-1.57931	0.132191	0.176374	-6.56299	6.583748	6.533918	6.54806	6.498957	6.352653	6.575548	6.827098	6.761343	6.7273	6.437439	6.379856	6.464778	6.376858	6.414288	6.370394	6.677344	6.648783	6.611893
C14orf93	ENSG00000100802	0.541082	2.201306	6.426039	5.49E-06	2.36E-05	4.048111	1.990546	1.744817	1.706811	2.181668	2.333126	2.196611	2.01302	2.184314	2.165532	2.856146	2.792142	2.724859	3.181815	3.233802	3.317756	2.794876	2.827179	2.990979
PSMB5	ENSG00000100804	-0.27092	7.408897	-7.6366	5.71E-07	3.40E-06	5.625536	7.465867	7.482659	7.48088	7.238947	7.326455	7.260193	7.357428	7.355342	7.26939	7.67138	7.589143	7.642294	7.340149	7.241171	7.338028	7.519046	7.439715	7.500208
YY1	ENSG00000100811	0.454648	6.896711	8.177876	2.21E-07	1.52E-06	6.651252	6.284277	6.528661	6.440242	6.924414	7.048942	7.033983	7.074414	6.972641	6.941169	6.747828	6.789961	6.81421	7.085771	7.197406	7.090489	7.208391	7.170498	7.015808
ACIN1	ENSG00000100813	-0.17378	7.656625	-5.30092	5.36E-05	0.000171	0.919067	7.387271	7.309568	7.283513	7.095279	7.057803	7.119644	7.238302	7.194975	7.153836	8.189887	8.189261	8.124851	8.073633	8.006753	8.047204	8.147267	8.1764	8.163212
CCNB1IP1	ENSG00000100814	0.66002	5.342267	7.114801	1.48E-06	7.66E-06	4.866174	4.794334	4.733688	4.739702	4.988267	4.998178	5.028711	5.435754	5.495903	5.416114	5.138995	5.203192	5.193482	6.081272	5.996579	6.072348	5.745959	5.861261	5.923032
TRIP11	ENSG00000100815	-0.03829	6.075886	-0.90307	0.378767	0.443384	-7.35176	5.899743	5.918315	6.013674	5.806374	5.723018	5.835287	5.498697	5.636658	5.59521	6.461816	6.499118	6.468703	6.508628	6.543758	6.503049	6.253425	6.252876	6.354004
APEX1	ENSG00000100823	-0.27152	7.902851	-5.27502	5.65E-05	0.00018	0.849111	7.944396	7.948973	7.877549	7.441667	7.533919	7.461448	7.546053	7.633355	7.629476	8.352895	8.245674	8.29366	8.167168	8.171894	8.17233	7.970515	8.018651	7.955777
PABPN1	ENSG00000100836	-0.28627	6.292221	-5.34656	4.87E-05	0.000158	1.143806	6.344518	6.237919	6.304671	5.812513	5.833285	5.794193	6.192541	5.975709	6.121501	6.629314	6.586815	6.615415	6.441346	6.485682	6.487243	6.531651	6.631964	6.580647
ARHGAP5	ENSG00000100852	0.146628	6.766385	2.56048	0.01997	0.03273	-4.91328	6.02018	5.975457	6.087938	5.90734	5.924691	5.923682	5.958837	6.063123	6.084485	7.466659	7.459204	7.408526	7.708539	7.771606	7.738892	7.477941	7.50311	7.597077
CINP	ENSG00000100865	0.03737	5.652505	0.479589	0.637466	0.689979	-7.57047	5.575566	5.31594	5.533555	5.272812	5.423388	5.30954	5.722633	5.78015	5.825024	5.776643	5.781169	5.779474	5.955599	5.964114	5.869343	5.78212	5.833837	5.778504
DHRS2	ENSG00000100867	-0.70306	5.546023	-11.097	2.43E-09	3.77E-08	11.25891	0.814199	0.661886	0.756332	1.326771	0.625525	0.563119	1.525136	1.430416	1.674905	11.41129	11.35075	11.32142	10.62402	10.66227	10.62907	11.49089	11.47374	11.54959
SRP54	ENSG00000100883	0.030257	6.853491	0.960799	0.349758	0.414029	-7.37693	6.37001	6.352432	6.37481	6.454505	6.327751	6.437247	6.353309	6.328935	6.348704	7.330557	7.322385	7.359481	7.325387	7.412282	7.34736	7.368966	7.366843	7.426202
CHD8	ENSG00000100888	0.039781	7.04004	0.984711	0.338202	0.402054	-7.37181	6.441062	6.46679	6.512548	6.578559	6.506663	6.608517	6.52843	6.588399	6.566582	7.64339	7.678921	7.499198	7.590777	7.591072	7.63558	7.518581	7.476202	7.505542
PCK2	ENSG00000100889	-1.00069	4.819675	-20.443	1.20E-13	2.41E-11	21.57439	4.85081	4.778666	4.835673	3.791129	3.855857	3.75519	4.688362	4.747338	4.534865	5.645844	5.602884	5.728007	4.82626	4.638459	4.698713	5.602102	5.627716	5.575386
PRORP	ENSG00000100890	0.313503	1.259951	1.9047	0.07341	0.10481	-4.8841	2.080492	2.206444	1.853768	2.21912	1.864131	2.098749	2.144798	1.85606	2.165532	1.52331	1.467416	1.126631	1.797417	1.591687	1.801384	1.419885	1.67689	1.416439
DCAF11	ENSG00000100897	0.789877	5.376136	12.3259	4.73E-10	1.04E-08	13.13536	4.381709	4.435299	4.281987	5.087795	4.971631	5.183924	4.792514	4.981823	4.745547	5.764766	5.796904	5.74623	6.601414	6.529709	6.566478	5.847385	5.934095	5.843128
PSMA6	ENSG00000100902	-0.39164	2.972646	-4.01255	0.000859	0.001982	-1.13475	3.300651	3.042358	3.075109	2.393052	2.85862	2.429135	2.806512	3.063581	3.236418	3.437834	3.591299	3.549937	3.251622	3.310934	3.344321	3.415594	3.347011	3.364179
NFKBIA	ENSG00000100906	-1.51541	7.173985	-3.99504	0.000893	0.002049	-1.85308	8.58634	8.654554	8.619808	5.587578	5.539998	5.590242	8.072094	7.936118	8.031357	7.14208	7.139481	7.166617	6.989173	7.05473	7.073387	6.755339	6.77851	6.646104
EMC9	ENSG00000100908	0.095044	4.194586	1.371204	0.187661	0.239311	-6.44698	3.85351	3.863696	3.979882	4.263984	4.1957	4.186878	4.376062	4.576102	4.313883	4.227618	4.301006	4.324649	4.230502	4.250194	4.232958	4.694387	4.592839	4.483349
PSME2	ENSG00000100911	-0.116	7.152106	-3.21871	0.004903	0.009338	-3.58701	6.406698	6.472276	6.470455	6.382055	6.317247	6.158358	6.570057	6.610759	6.528503	7.891383	7.8729	7.887473	7.739577	7.829687	7.838026	7.998181	7.965151	8.01167
BRMS1L	ENSG00000100916	-0.32861	5.073685	-7.72584	4.87E-07	2.96E-06	6.008549	4.758449	4.668265	4.74442	4.218476	4.352066	4.420855	4.402637	4.540708	4.388669	5.90277	5.938407	5.987463	5.607741	5.644673	5.711642	5.689133	5.619709	5.593031
REC8	ENSG00000100918	-0.34293	0.920674	-1.55054	0.138928	0.184053	-5.69015	0.587539	0.410755	0.829201	1.104644	1.006428	1.367251	0.415731	0.824004	0.629397	2.990428	3.26005	2.714318	2.42639	2.269709	2.528806	2.554269	2.770449	2.830235
TM9SF1	ENSG00000100926	0.903935	2.859254	7.234579	1.18E-06	6.34E-06	5.551374	2.296082	2.655462	2.5366	3.342644	2.737798	3.27721	2.957542	3.196885	3.271973	2.47802	2.714733	2.776437	3.436163	3.637228	3.563664	3.691675	3.236163	3.279535
SEC23A	ENSG00000100934	0.015745	7.040183	0.302879	0.765557	0.805305	-7.80262	7.205144	7.184788	7.158299	7.423733	7.333769	7.390843	7.152173	7.085019	7.045009	7.024621	7.000301	7.015439	6.829679	6.839755	6.908864	6.750586	6.780307	6.800538
GMPR2	ENSG00000100938	0.439746	6.449832	5.663235	2.53E-05	8.83E-05	1.778626	5.77508	5.798943	5.648759	5.85774	5.8095	5.870309	5.78793	5.764893	5.779429	6.95166	6.96661	6.938282	7.578756	7.542424	7.62659	6.891823	6.939141	6.910175
PNN	ENSG00000100941	-0.09474	6.828739	-1.09079	0.290174	0.351531	-7.23013	6.568285	6.61304	6.610118	6.860671	6.837352	6.899977	6.618096	6.711283	6.70796	7.10555	7.206403	7.082031	6.735366	6.762912	6.738237	6.946186	7.007471	7.143608
RABGGTA	ENSG00000100949	-0.31336	5.149785	-5.22386	6.30E-05	0.000197	1.040023	5.420591	5.401827	5.446484	5.1079	4.998178	4.894191	5.049544	4.728586	4.978598	5.493793	5.399419	5.380097	5.271149	5.149657	5.188613	5.249139	5.171328	5.119922
NFATC4	ENSG00000100968	1.237728	3.302281	14.24087	4.71E-11	1.87E-09	15.64597	2.548084	2.425906	2.700947	3.851999	3.901574	3.97338	2.480375	2.676938	2.588518	3.437834	3.494263	3.608031	4.624704	4.604394	4.468538	3.560228	3.829005	3.601852
PLTP	ENSG00000100979	-0.27245	3.168103	-1.68979	0.108824	0.148509	-5.67382	3.603403	3.58855	3.717332	2.999448	3.441741	3.216292	3.965091	3.999201	4.279358	3.113269	3.086546	3.218152	3.091636	3.020741	2.98783	2.719047	2.972579	2.960231
PCIF1	ENSG00000100982	0.000669	5.632044	0.015177	0.988063	0.989995	-7.71574	5.474121	5.410426	5.325763	5.367584	5.458224	5.257578	5.213624	5.122533	5.092354	6.114112	5.98997	6.132075	6.155989	6.095271	6.073672	5.964211	5.835567	5.847335
GSS	ENSG00000100983	-0.48546	6.389399	-9.7303	1.79E-08	1.91E-07	9.312899	6.944712	6.901354	6.947395	6.346536	6.3361	6.242871	6.485567	6.553309	6.500674	6.463916	6.368317	6.360483	6.070582	6.048178	6.023869	6.22172	6.24769	6.27031
MMP9	ENSG00000100985	-0.38545	-0.9697	-1.44293	0.166723	0.215719	-5.55794	0.41387	0.106501	0.219246	0.106501	0.25478	0.106501	0.106501	0.253663	0.106501	1.865926	1.8028	1.896649	1.420179	1.681564	1.775589	2.583072	2.169028	2.350536
VSX1	ENSG00000100987	-0.18208	-1.51387	-0.78296	0.444129	0.508458	-6.16798	0.318509	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.239286	1.752042	1.49011	1.27873	1.528499	1.456457	1.948641	1.90484	1.775544
TRPC4AP	ENSG00000100991	0.132817	7.453176	3.674254	0.001808	0.003846	-2.60789	7.649738	7.593173	7.607983	7.716695	7.737496	7.717803	7.475831	7.443265	7.468322	7.303251	7.234408	7.236882	7.44361	7.3869	7.410529	7.337087	7.253693	7.294512
PYGB	ENSG00000100994	-0.38645	9.622219	-2.98021	0.008214	0.0148	-4.21023	10.80516	10.78115	10.82102	10.50828	10.59925	10.50317	10.3565	10.35901	10.36393	8.754642	8.729023	8.769072	8.307621	8.185399	8.205613	9.10504	9.041169	9.0478
ABHD12	ENSG00000100997	0.377458	6.755868	4.722232	0.000183	0.000505	-0.27175	5.633672	5.627592	5.663779	6.436731	6.467301	6.361906	5.900984	5.965067	5.99689	7.558958	7.472493	7.563372	7.655159	7.650706	7.671429	7.440065	7.444256	7.382662
PROCR	ENSG00000101000	-0.33763	5.898929	-5.08847	8.38E-05	0.000253	0.782587	7.401883	7.388588	7.361587	6.951091	6.969333	6.910831	7.479997	7.522513	7.465445	4.355303	4.547875	4.592658	4.390344	4.344933	4.381435	5.015537	4.933671	4.836464
GINS1	ENSG00000101003	-1.80323	5.09698	-12.0365	6.88E-10	1.41E-08	12.83975	5.128936	5.120143	5.094055	4.218476	4.301803	4.210498	5.077304	5.174263	4.90124	6.278265	6.237208	6.317603	4.102013	4.127629	4.124741	6.072282	6.09001	6.070675
NINL	ENSG00000101004	1.269644	3.304518	15.91876	7.68E-12	5.26E-10	17.44452	2.461454	1.780637	2.274882	3.21869	2.948483	2.924168	1.867984	1.988058	2.127218	3.980092	4.205202	4.132188	5.366878	5.381888	5.358964	4.276243	4.508628	4.311289
CD40	ENSG00000101017	0.266886	2.445199	2.56161	0.019923	0.032676	-4.26067	1.861169	1.883052	1.744977	1.256461	1.768674	1.475193	1.389995	1.988058	1.727075	3.584041	3.682218	3.685623	4.085116	3.964133	4.013272	4.083081	3.916575	3.992166
UQCC1	ENSG00000101019	-0.68261	6.596412	-8.37592	1.58E-07	1.14E-06	7.035056	7.193433	7.223531	7.167988	6.241251	6.135476	6.16038	6.797363	6.704901	6.73369	6.729612	6.652289	6.725797	6.326528	6.303053	6.3333	6.562714	6.519199	6.508098
ZMYND8	ENSG00000101040	-0.42752	5.710372	-9.52424	2.45E-08	2.46E-07	9.058624	5.883176	5.954048	6.015627	5.483695	5.49597	5.669075	5.888503	5.943547	5.897954	5.913568	5.892276	5.899478	5.448413	5.44741	5.487671	5.667442	5.64557	5.666299
IFT52	ENSG00000101052	0.2979	4.76266	5.392756	4.42E-05	0.000145	1.476632	4.721647	4.687262	4.606117	5.05192	4.877535	5.114677	4.702691	4.747338	4.889843	4.7455	4.755391	4.776148	5.083973	4.931925	4.97856	4.609434	4.648991	4.775955
MYBL2	ENSG00000101057	-1.68129	5.759707	-7.1811	1.31E-06	6.91E-06	5.020261	6.16256	6.102954	6.172636	5.396478	5.644527	5.510028	6.443525	6.489769	6.456933	6.47333	6.253266	6.547268	3.894617	4.034047	3.86826	6.287732	6.314938	6.252972
NDRG3	ENSG00000101079	0.397134	5.387124	9.341733	3.27E-08	3.11E-07	8.806105	5.482394	5.358041	5.437772	5.884211	5.713437	5.852905	5.578564	5.543171	5.485906	5.12579	4.997958	5.093319	5.466467	5.476997	5.426825	5.286834	5.23036	5.171166
RAB5IF	ENSG00000101084	0.36691	2.778759	1.751042	0.097469	0.13482	-5.48396	3.114469	3.526613	3.500214	3.714523	3.709312	3.419122	3.277716	2.825515	3.572114	1.76051	2.500824	2.724859	2.727949	2.657091	2.906973	3.16242	2.618024	2.252429
NFATC2	ENSG00000101096	0.404335	2.759344	1.312859	0.206208	0.259982	-6.16445	3.623492	3.676739	3.736403	4.181007	4.222966	4.053927	2.144798	2.029503	2.127218	2.37464	2.469748	2.30059	2.626498	2.700737	2.689384	2.866919	3.081525	2.928814
RIMS4	ENSG00000101098	-1.44017	-1.30806	-4.88471	0.000129	0.000371	1.25752	3.633432	3.472886	3.533304	2.063099	2.193078	1.993763	2.545421	2.389238	2.34318	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PABPC1L	ENSG00000101104	0.365084	3.914317	3.42244	0.003142	0.006268	-2.66079	3.944154	3.759847	4.215584	4.525489	4.327153	4.518705	3.440463	3.415864	3.60036	3.907872	4.344483	3.955502	4.35554	4.169652	4.423569	3.552967	3.705831	4.073428
STK4	ENSG00000101109	-0.2629	5.587662	-2.27754	0.035581	0.054792	-5.22412	6.576037	6.611798	6.470455	6.028317	5.876854	6.000211	6.456267	6.471088	6.271759	4.930021	5.006104	4.95243	5.025392	5.115127	5.151487	4.710794	4.79479	4.753714
ADNP	ENSG00000101126	-0.0462	7.502685	-1.06555	0.301126	0.363131	-7.30771	7.544358	7.497534	7.460237	7.54667	7.341046	7.535008	7.703968	7.666573	7.715923	7.488489	7.507341	7.48027	7.38312	7.461744	7.435453	7.482248	7.451605	7.494855
PFDN4	ENSG00000101132	-0.94814	4.772201	-8.95439	6.06E-08	5.21E-07	8.257332	5.606174	5.528369	5.517107	4.122913	4.139571	4.241401	4.702691	4.709588	4.633836	5.24539	5.069663	5.263838	4.598153	4.525683	4.663983	4.762075	4.725598	4.853297
CSTF1	ENSG00000101138	0.365449	5.934756	3.622106	0.002028	0.004258	-2.55683	5.658224	5.634949	5.47515	6.432751	6.348532	6.333504	6.09271	6.128954	6.074452	5.754507	5.800031	5.847371	5.803795	5.876434	5.773225	6.08995	6.041387	6.102702
RAE1	ENSG00000101146	-0.78206	6.606119	-11.4007	1.60E-09	2.71E-08	11.78043	6.925625	6.940477	6.837983	5.872506	5.856685	5.914123	6.290661	6.322697	6.391763	7.121604	7.069951	7.128918	6.491098	6.535747	6.534151	7.009889	6.929457	7.023265
TPD52L2	ENSG00000101150	-0.34954	8.206733	-6.45828	5.15E-06	2.24E-05	3.289296	8.204046	8.140771	8.170487	7.614118	7.730388	7.647439	7.78111	7.751072	7.764318	8.691289	8.593688	8.635611	8.449493	8.405793	8.415384	8.643231	8.590009	8.586783
DNAJC5	ENSG00000101152	-0.11348	7.252775	-1.93448	0.06941	0.099718	-6.0824	7.190069	7.198094	7.198393	6.913032	6.95991	6.891478	7.402016	7.346145	7.306296	7.325945	7.320754	7.413422	7.410506	7.338214	7.370701	7.402178	7.406942	7.332523
NELFCD	ENSG00000101158	0.292365	6.590934	5.365858	4.68E-05	0.000152	1.143119	5.946343	5.854621	5.961952	6.373776	6.409139	6.481604	6.09814	6.001973	6.162335	7.06323	6.985272	7.058786	7.219528	7.125164	7.193315	7.042661	6.94476	7.007373
CTSZ	ENSG00000101160	0.952512	7.35333	21.76908	4.16E-14	1.21E-11	22.61538	7.870149	7.904007	7.885045	8.739015	8.763557	8.778408	8.400167	8.498126	8.534704	5.733768	5.684664	5.793312	6.778045	6.787579	6.762242	6.601945	6.538439	6.523954
PRPF6	ENSG00000101161	-0.42631	7.509386	-4.5708	0.000254	0.000674	-0.65164	7.776817	7.760033	7.806013	6.913032	7.009034	6.909629	7.153477	7.148705	7.166879	7.849021	7.795121	7.846131	7.771282	7.727008	7.736805	7.680189	7.615582	7.655225
PRELID3B	ENSG00000101166	-0.59269	6.635985	-17.007	2.58E-12	2.29E-10	18.42293	7.30103	7.243723	7.218878	6.648861	6.604936	6.778813	6.895745	6.914374	6.992692	6.674452	6.639255	6.681841	6.050049	6.096633	6.057707	6.287732	6.341957	6.298239
MTG2	ENSG00000101181	-0.31844	6.333622	-4.7975	0.000156	0.000437	-0.03289	6.573458	6.565063	6.507006	6.01507	6.046703	5.965928	6.524402	6.547971	6.532173	6.402824	6.376718	6.455315	6.285514	6.242815	6.303148	6.365436	6.296221	6.333156
PSMA7	ENSG00000101182	-0.0906	7.997643	-2.37827	0.029037	0.045699	-5.32822	8.179662	8.16892	8.184876	8.151436	8.208504	8.164301	8.460963	8.507323	8.46537	7.743612	7.686543	7.783856	7.606034	7.560304	7.522842	7.973577	7.853084	7.843902
SLCO4A1	ENSG00000101187	-1.7526	5.174213	-17.0572	2.46E-12	2.20E-10	18.5624	7.321157	7.385683	7.457367	5.720837	5.868245	5.775839	7.703077	7.592457	7.653265	4.232554	4.040487	4.15575	2.162115	2.127698	2.294605	4.515433	4.437531	4.422617
NTSR1	ENSG00000101188	0.032679	-0.55837	0.123676	0.902983	0.920365	-6.26127	3.476616	3.759847	3.931056	3.674639	3.912781	3.807755	4.068294	4.009594	3.90213	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MRGBP	ENSG00000101189	-0.3999	5.218528	-4.56975	0.000255	0.000675	-0.36549	5.554794	5.680694	5.573871	4.809518	5.109506	4.829562	5.310366	5.233099	5.308941	5.242946	5.167323	5.301295	5.123815	5.034983	5.071593	5.459873	5.394214	5.448204
TCFL5	ENSG00000101190	0.410185	4.257327	3.392812	0.003353	0.006636	-2.7225	4.219602	4.383825	4.195052	4.881362	5.162106	4.997371	4.496094	4.547856	4.396744	4.054455	3.824119	3.968865	4.024369	4.13825	3.945482	4.32395	4.247965	4.236277
DIDO1	ENSG00000101191	-0.28161	6.893193	-4.7108	0.000188	0.000515	-0.28023	7.232379	7.156098	7.22817	6.624643	6.815127	6.729256	7.050806	7.036292	7.041151	6.77515	6.949817	6.910849	6.758196	6.753445	6.822533	6.789724	6.814907	6.815647
GID8	ENSG00000101193	-0.70595	6.43872	-6.87717	2.31E-06	1.13E-05	4.261845	6.473243	6.44742	6.337827	5.041505	5.239802	5.341983	6.065248	6.214549	6.131214	7.090675	7.129574	7.203355	6.729941	6.706935	6.814638	7.153036	7.060192	7.060886
SLC17A9	ENSG00000101194	-0.07023	0.468161	-0.29676	0.770145	0.809235	-6.2754	5.847324	5.873404	5.914599	5.622938	5.885412	5.840343	5.750487	5.80423	5.748211	0.106501	0.106501	0.106501	0.106501	0.190544	0.106501	0.106501	0.106501	0.106501
ARFGAP1	ENSG00000101199	-0.38998	6.842337	-4.12603	0.00067	0.001587	-1.56498	7.488634	7.469688	7.495646	6.783082	6.822574	6.776177	6.697156	6.680716	6.644947	6.785263	6.760572	6.859158	6.756196	6.694395	6.629936	6.721734	6.688558	6.644896
EEF1A2	ENSG00000101210	0.463015	8.276385	2.766236	0.01297	0.022272	-4.60305	8.157444	8.187385	8.220867	8.449063	8.62052	8.439235	7.716379	7.685333	7.690693	7.932916	7.886936	8.032411	8.590302	8.556431	8.498057	8.835791	8.792998	8.771629
PTK6	ENSG00000101213	0.292854	2.987717	2.257321	0.037049	0.056827	-5.00151	2.296082	2.232543	2.300736	2.063099	2.078331	1.880533	1.459147	2.029503	1.445026	4.065562	4.205202	4.186581	4.534231	4.525683	4.535391	4.953468	4.847164	4.82371
GMEB2	ENSG00000101216	0.334135	5.082008	6.823951	2.55E-06	1.23E-05	4.348476	4.833667	4.715296	4.908943	5.087795	5.190008	5.114677	5.188389	5.192623	5.18386	5.041104	4.910981	5.081065	5.336859	5.401859	5.292308	5.332078	5.274377	5.177863
C20orf27	ENSG00000101220	-0.23242	5.855089	-3.57397	0.002254	0.004669	-2.66528	6.018285	6.104721	6.015627	5.55133	5.741991	5.581211	5.767627	5.733887	5.848765	5.992802	5.843106	6.104087	5.98094	5.834598	5.882997	6.040183	5.884837	5.927013
CDC25B	ENSG00000101224	-1.19527	7.616957	-8.96916	5.92E-08	5.11E-07	8.014717	9.166108	9.169811	9.204845	8.163494	8.222644	8.163797	8.5812	8.556885	8.517681	7.085228	7.056941	7.147645	5.739109	5.564254	5.708238	7.167966	7.089475	6.991305
RNF24	ENSG00000101236	0.064092	5.076275	0.689513	0.499553	0.562106	-7.38472	4.172655	4.324392	4.131643	4.584077	4.529983	4.844735	4.864381	4.562048	4.687485	5.879356	5.88346	5.694882	5.720082	5.646534	5.715039	5.616106	5.655395	5.722348
ARFRP1	ENSG00000101246	0.06288	4.898882	1.137039	0.270871	0.331046	-6.95511	4.059241	3.928996	4.034833	4.171485	4.158524	4.337497	4.321396	4.405576	4.093134	5.577652	5.629491	5.77441	5.725544	5.616464	5.654408	5.935182	5.927624	5.85153
NDUFAF5	ENSG00000101247	-0.26145	3.877791	-3.09869	0.006361	0.011813	-3.24654	4.206344	4.383825	4.611291	3.999198	4.13	4.079806	4.411387	4.332946	4.436456	3.901688	3.70241	3.769472	3.532792	3.695921	3.629946	3.651445	3.467897	3.679412
TRIB3	ENSG00000101255	-0.72237	6.856865	-4.4493	0.000331	0.000851	-0.77889	8.349463	8.354909	8.375985	7.096538	7.158916	7.073161	8.285851	8.310698	8.319017	5.610256	5.806264	5.748815	5.714599	5.769478	5.696257	6.062088	6.039887	5.954574
RASSF2	ENSG00000101265	1.631369	-1.0104	2.926909	0.00921	0.016395	-2.70112	2.165157	1.915637	2.109199	3.70135	3.878897	4.018682	2.226405	2.069791	2.127218	0.106501	0.259702	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.214669
CSNK2A1	ENSG00000101266	-0.01661	7.565519	-0.29064	0.77475	0.812934	-7.86874	7.001464	7.000566	6.986749	6.869531	6.786476	6.647975	6.937237	6.901874	6.990026	8.120018	8.105182	8.082449	8.246958	8.227972	8.239621	8.394536	8.359429	8.438161
SLC52A3	ENSG00000101276	0.976994	1.605029	5.915327	1.51E-05	5.68E-05	2.854011	1.069823	1.465573	1.202741	0.742604	1.307481	1.123626	0.670238	0.253663	0.515351	3.17611	3.223257	3.312021	4.31626	4.274468	4.25179	3.447271	3.554448	3.716682
CDS2	ENSG00000101290	-0.32146	6.317715	-3.99643	0.00089	0.002044	-1.75754	6.593965	6.590513	6.59191	6.259341	6.283111	6.302701	7.104404	7.191555	7.311645	6.081653	6.072443	6.034826	5.71185	5.748835	5.730227	6.193979	6.127197	6.140906
HM13	ENSG00000101294	0.023946	8.102069	0.761221	0.456674	0.520394	-7.63949	7.819347	7.862303	7.812767	7.842769	7.94686	7.845236	8.016541	7.936799	7.979877	8.285913	8.227791	8.345168	8.280974	8.295359	8.298828	8.428907	8.387993	8.322417
SNPH	ENSG00000101298	0.661787	1.953775	4.021382	0.000843	0.001947	-0.72336	3.541402	3.323044	3.334887	3.955484	4.368438	3.828257	3.761137	3.90213	3.82044	1.028404	1.112482	1.188864	1.365252	1.357245	1.488568	0.974502	1.072305	0.999041
SEC23B	ENSG00000101310	-0.17923	7.609363	-5.08451	8.45E-05	0.000255	0.466238	7.529797	7.539954	7.472374	7.438693	7.330639	7.349776	7.447395	7.521605	7.441249	7.851831	7.789233	7.85065	7.628439	7.621197	7.61981	7.924834	7.862868	7.886431
FERMT1	ENSG00000101311	-0.80767	6.315353	-5.84632	1.74E-05	6.41E-05	2.180182	6.274782	6.197082	6.124589	5.072529	5.008661	4.98829	5.228555	5.088621	5.107194	7.378665	7.326728	7.383796	6.796328	6.777423	6.790692	7.534337	7.507456	7.510193
PLCB4	ENSG00000101333	-0.65085	3.600535	-2.63246	0.017188	0.028601	-3.86983	6.003031	5.998455	6.222519	5.236746	5.099733	5.2875	6.321164	6.090306	6.086983	1.490718	1.8028	1.585733	2.24051	2.169719	2.058312	2.095813	2.030948	1.626848
MYL9	ENSG00000101335	0.835389	2.985055	3.452993	0.002939	0.005913	-2.52483	3.156438	2.966631	2.621113	1.688986	1.718467	1.993763	2.480375	1.760835	2.202855	3.695491	3.478738	3.863099	5.000827	4.856747	4.932613	3.871719	3.72088	3.897964
TM9SF4	ENSG00000101337	0.810478	7.042931	14.82397	2.46E-11	1.18E-09	16.09035	7.05699	7.09961	7.149433	7.999636	7.881343	7.967528	7.77773	7.687762	7.687405	6.198522	6.175951	6.160501	6.97949	6.921961	6.887196	6.539939	6.390999	6.434506
CRNKL1	ENSG00000101343	-0.05135	5.914775	-0.83508	0.414943	0.479983	-7.39275	5.747885	5.761341	5.722344	5.444703	5.379635	5.404757	5.409787	5.412203	5.367637	6.391835	6.311391	6.317603	6.48869	6.499135	6.407608	6.298627	6.288666	6.27344
POFUT1	ENSG00000101346	-0.31707	7.030293	-8.04616	2.78E-07	1.85E-06	6.428032	7.830732	7.793839	7.778677	7.48074	7.484078	7.52012	7.592963	7.55658	7.602674	6.565216	6.576824	6.592576	6.308443	6.268422	6.189309	6.557281	6.54268	6.527891
SAMHD1	ENSG00000101347	-0.00343	5.350557	-0.03976	0.968735	0.974061	-7.67335	3.999005	4.006672	4.145977	4.448742	4.694855	4.473866	4.87074	4.837607	4.613192	6.140615	6.203367	6.123138	5.921501	6.018303	6.008725	6.856867	6.862333	6.898059
KIF3B	ENSG00000101350	0.385509	7.425114	8.324274	1.72E-07	1.23E-06	6.866008	7.270302	7.273097	7.297223	7.734586	7.673875	7.788168	7.35062	7.264968	7.282524	7.233558	7.26923	7.265592	7.607514	7.550895	7.579846	7.449872	7.427727	7.489481
NOP56	ENSG00000101361	-0.21179	8.49316	-2.01276	0.059808	0.087369	-6.03666	8.30623	8.305049	8.25722	8.477352	8.484905	8.48837	8.487068	8.432051	8.450416	8.708885	8.71584	8.731344	8.146957	8.125941	8.188915	8.881074	8.862288	8.90248
MANBAL	ENSG00000101363	0.043368	6.597733	1.301572	0.209958	0.264079	-6.94274	6.964535	6.994859	7.006522	6.998979	7.076608	7.022908	6.892623	6.836241	6.914701	6.26628	6.222136	6.290363	6.375122	6.248953	6.278105	6.227433	6.205516	6.222526
IDH3B	ENSG00000101365	-0.65945	6.980346	-10.5405	5.36E-09	7.22E-08	10.49698	7.341008	7.39438	7.388962	6.392338	6.534135	6.450533	6.695365	6.750539	6.685063	7.442898	7.423665	7.443648	6.995969	6.983628	6.998008	6.959291	7.011301	6.973132
MAPRE1	ENSG00000101367	-0.35573	7.888962	-7.47876	7.59E-07	4.33E-06	5.300567	8.057159	8.103691	7.954384	7.568598	7.531195	7.563566	7.906333	8.030363	7.929975	8.063311	8.042872	8.076288	7.790301	7.834185	7.834907	7.998849	7.91246	7.916774
JAG1	ENSG00000101384	-1.48045	7.588619	-12.2465	5.24E-10	1.13E-08	12.88159	7.852704	7.797122	7.79866	6.36336	6.364945	6.400068	7.392103	7.248608	7.302003	8.406023	8.399944	8.391803	6.927119	6.921961	6.954124	8.751074	8.72675	8.759123
CDK5RAP1	ENSG00000101391	-0.87022	5.268747	-8.90018	6.62E-08	5.61E-07	8.084963	5.872723	5.805478	5.750758	4.54774	4.544465	4.427589	4.99237	5.228657	5.117003	5.75279	5.762057	5.744936	5.252352	5.1936	5.146464	5.522553	5.471879	5.425873
SNTA1	ENSG00000101400	0.777787	2.883393	5.247432	5.99E-05	0.000189	1.60299	3.183753	3.298545	3.533304	3.815786	4.343809	3.926609	2.981245	3.083395	2.670735	2.338465	2.469748	2.422156	3.149671	3.088026	3.075009	2.744769	2.895091	2.528753
TTI1	ENSG00000101407	-0.36172	5.921934	-7.18458	1.30E-06	6.87E-06	4.9126	6.079556	6.117033	5.988045	5.565938	5.700562	5.775839	5.679816	5.650007	5.673738	6.279458	6.22097	6.236132	5.953273	5.898468	5.875427	6.13076	6.170318	6.043431
E2F1	ENSG00000101412	-2.07381	4.995694	-7.73052	4.83E-07	2.94E-06	6.157006	5.479641	5.407565	5.503257	4.525489	4.860273	4.627987	5.038289	4.981823	5.057123	6.005835	5.977596	6.078631	3.288992	3.310934	3.253801	5.811323	5.935709	5.836795
RPRD1B	ENSG00000101413	-0.59496	6.432823	-7.24163	1.17E-06	6.27E-06	4.966476	6.671992	6.671448	6.640807	5.753112	5.600158	5.754573	6.174663	6.221272	6.346621	6.841273	6.822612	6.898681	6.487887	6.571452	6.540866	6.73543	6.730057	6.648516
PXMP4	ENSG00000101417	0.392006	1.980968	3.520006	0.002537	0.005193	-2.28541	0.882475	1.118985	1.202741	1.457877	1.307481	1.367251	0.548589	0.824004	1.674905	3.659289	3.836353	3.722908	3.988472	4.200384	4.083285	3.762638	3.779553	3.840032
CHMP4B	ENSG00000101421	-0.06102	7.285171	-0.61363	0.547365	0.607411	-7.69152	7.265516	7.308802	7.275386	6.745073	6.800118	6.764257	6.817254	6.922647	6.899152	7.547615	7.463154	7.598545	7.810359	7.840296	7.843856	7.463006	7.520954	7.424091
CST3	ENSG00000101439	0.32811	7.856245	8.433857	1.43E-07	1.06E-06	7.031323	7.7712	7.824729	7.871092	8.081986	8.207367	8.036329	7.90401	7.771827	7.951378	7.606315	7.618661	7.637421	7.964111	8.027969	7.966137	7.803872	7.788483	7.696036
ACTR5	ENSG00000101442	-0.31742	4.19406	-4.59326	0.000242	0.000646	-0.12123	4.172655	4.275018	4.382257	4.190466	3.99943	4.154771	4.496094	4.175703	4.380548	4.573314	4.532919	4.441093	4.097807	4.095289	4.150058	4.280646	4.232297	4.299055
WFDC2	ENSG00000101443	1.683912	1.014714	22.80642	1.89E-14	8.18E-12	23.39209	0.106501	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	5.305186	5.440069	5.470561	7.114158	7.037812	7.063428	5.452087	5.570712	5.174518
AHCY	ENSG00000101444	-0.67301	8.159153	-15.515	1.17E-11	7.00E-10	16.78711	8.854396	8.838396	8.821918	8.037473	8.15229	8.03798	8.260043	8.309647	8.302993	8.241915	8.158226	8.272261	7.697812	7.642337	7.588206	7.949238	7.896394	7.900164
FAM83D	ENSG00000101447	-1.15372	5.043793	-4.32765	0.000431	0.001074	-0.79457	4.941618	4.949684	4.826803	5.137544	4.917027	5.059385	5.69064	5.7054	5.623012	5.600742	5.463921	5.692199	3.730461	3.445301	3.502077	5.886907	5.793479	5.778504
DHX35	ENSG00000101452	-0.45482	4.590568	-6.21777	8.26E-06	3.36E-05	3.231008	4.876148	4.765319	4.870617	4.072648	4.040879	4.186878	4.681143	4.603806	4.72003	4.948139	4.878812	4.808717	4.586193	4.653345	4.621173	4.888608	4.758787	4.780362
DNTTIP1	ENSG00000101457	-0.96731	6.051916	-4.45395	0.000327	0.000844	-0.77764	6.619196	6.606818	6.56416	4.584077	4.745876	4.679672	5.060712	5.013152	4.801363	6.846917	6.881357	6.876989	6.405214	6.495009	6.496156	6.957917	6.852118	6.943962
MAP1LC3A	ENSG00000101460	0.395358	-1.02821	1.166435	0.259108	0.318612	-5.4937	1.791852	1.465573	1.853768	2.359902	2.078331	1.956998	1.317361	1.549165	1.38134	0.34397	0.398185	0.16959	0.294634	0.190544	0.263213	0.183756	0.106501	0.106501
PIGU	ENSG00000101464	-0.69101	5.483788	-11.8953	8.27E-10	1.64E-08	12.58498	5.885257	5.841962	5.856953	5.396478	5.317749	5.327654	5.494585	5.458458	5.500968	5.847534	5.78433	5.841329	5.083973	4.982902	5.023089	5.63686	5.52857	5.50523
ACOT8	ENSG00000101473	0.307369	4.426771	6.128679	9.86E-06	3.92E-05	3.032143	4.232739	4.177623	4.042515	4.40878	4.439897	4.256608	3.988671	4.030158	4.032233	4.789709	4.699561	4.793777	5.090337	5.05754	5.146464	4.6711	4.504286	4.577525
APMAP	ENSG00000101474	0.213314	7.898431	5.667052	2.51E-05	8.77E-05	1.687838	7.702038	7.692886	7.698286	7.788524	7.746919	7.853386	7.784482	7.799044	7.783692	7.903428	7.889507	7.906118	8.19991	8.240657	8.185858	8.090409	7.992149	8.027515
ZNF516	ENSG00000101493	0.919763	4.845236	6.096657	1.05E-05	4.14E-05	3.027545	4.892796	4.889442	5.049003	5.913065	5.745129	5.796796	6.076295	6.058125	6.206646	3.844798	3.799336	3.824415	4.731716	4.725555	4.580783	3.917673	4.189664	4.058989
ADNP2	ENSG00000101544	-0.00234	5.498225	-0.04635	0.963559	0.969816	-7.67153	5.256622	5.25994	5.359981	5.420792	5.403664	5.428451	5.401027	5.327507	5.252213	5.700308	5.749173	5.665089	5.592876	5.605024	5.659706	5.766509	5.864653	5.847335
RBFA	ENSG00000101546	-0.16436	2.858864	-1.61533	0.124145	0.167079	-5.76784	3.262728	3.07157	3.24453	2.605941	2.835252	2.980206	3.258446	3.214961	3.00245	2.943032	3.055486	3.210672	3.149671	2.974074	3.116699	2.946659	3.081525	2.990979
USP14	ENSG00000101557	-0.44659	7.545717	-11.3483	1.72E-09	2.86E-08	11.64918	7.916681	7.947989	7.898865	7.517843	7.401961	7.472073	7.885287	7.912774	7.877563	7.614374	7.524455	7.52053	7.072438	7.123828	7.163167	7.366897	7.314481	7.438106
VAPA	ENSG00000101558	-0.27901	7.64643	-3.75031	0.00153	0.0033	-2.45457	7.747369	7.789451	7.714606	7.384094	7.277445	7.374382	7.99778	7.859905	7.90259	7.768042	7.773015	7.698859	7.557859	7.590589	7.582638	7.515782	7.615582	7.620618
METTL4	ENSG00000101574	-0.35565	3.807192	-3.66505	0.001845	0.003918	-2.06106	3.783815	3.494617	3.755225	3.714523	3.48743	3.485165	4.215456	4.175703	3.783962	4.172174	4.301006	4.227925	3.845296	3.68147	3.78667	4.285035	4.023613	4.197255
LPIN2	ENSG00000101577	0.091094	4.925893	0.997763	0.332008	0.395649	-7.09621	4.271448	4.268725	4.138828	4.727426	4.701332	4.78306	4.544628	4.533523	4.549426	5.6347	5.681277	5.542338	5.456648	5.524325	5.491637	5.215041	5.25383	5.271631
SMCHD1	ENSG00000101596	0.061352	6.453186	0.421162	0.67877	0.727279	-7.70971	6.094026	6.07798	6.240999	6.8048	6.703408	6.801024	5.982519	6.100066	6.157591	6.704074	6.796238	6.685219	6.317514	6.357472	6.384329	6.686498	6.734698	6.84013
MYL12A	ENSG00000101608	-0.14826	8.267846	-1.7773	0.092925	0.129352	-6.42784	8.027783	7.990192	7.977109	7.426738	7.503666	7.503485	7.837389	7.894665	7.85576	8.724956	8.679801	8.704634	8.801895	8.876692	8.859782	8.734922	8.72675	8.787589
CEP76	ENSG00000101624	-0.65997	3.646925	-10.321	7.37E-09	9.19E-08	10.55834	3.774862	3.750846	3.698006	3.21869	3.31232	3.27721	3.571163	3.40015	3.513908	4.421642	4.374156	4.289577	3.526548	3.717329	3.81227	4.031767	3.974229	4.101878
CEP192	ENSG00000101639	-0.15269	4.548869	-2.84263	0.011027	0.019247	-4.01843	4.327631	4.418344	4.249168	4.199863	4.293254	4.202668	4.245129	4.459641	4.16108	5.101711	5.115559	4.941174	4.853955	4.8854	4.891173	4.805497	4.946531	4.934632
RNMT	ENSG00000101654	0.715294	6.140666	11.48716	1.43E-09	2.48E-08	11.93327	5.350006	5.297514	5.356903	6.007062	5.794432	6.077174	5.872748	5.848324	5.934468	6.243231	6.302599	6.226892	6.978919	7.000462	7.052729	6.467445	6.522424	6.601968
SMAD7	ENSG00000101665	-0.13573	3.651916	-1.68809	0.109156	0.148833	-6.06788	3.325391	2.90305	2.848472	2.766336	2.57804	2.288255	2.667326	2.623806	2.588518	5.101711	5.038233	5.087205	5.036421	4.974036	5.079521	4.570409	4.538664	4.416967

LIPG	ENSG00000101670	-2.0442	0.694277	-6.76551	2.85E-06	1.35E-05	4.859616	1.959273	1.591918	1.818408	1.022291	1.164793	0.984419	1.160105	1.549165	1.564539	2.243849	1.777644	1.986992	0.656707	0.784432	0.404558	2.173627	2.054898	1.942153
LAMA1	ENSG00000101680	1.006036	2.840086	4.618452	0.000229	0.000615	0.6918	10.14763	10.15007	10.25186	11.17536	11.14773	11.28658	10.79856	10.66543	10.71218	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RNF125	ENSG00000101695	0.02727	1.128842	0.140265	0.890055	0.909858	-6.63431	1.990546	1.465573	2.018628	1.840866	1.556428	1.188496	1.389995	1.367163	1.50602	1.814181	1.752042	1.49011	1.776519	1.970168	1.970087	1.681967	2.078458	1.703111
ANKRD12	ENSG00000101745	0.14815	5.104138	2.1611	0.044836	0.067369	-5.45457	4.635242	4.574447	4.611291	4.681208	4.56592	4.777799	4.591583	4.849227	4.795267	5.643993	5.703153	5.605019	5.784299	5.839488	5.849389	5.424501	5.346497	5.408895
NOL4	ENSG00000101746	-0.16029	-1.2965	-1.00813	0.327147	0.390516	-6.0678	0.216396	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	1.752042	1.896649	1.667235	2.06228	1.826726	1.708352	1.737342	1.775544
POLI	ENSG00000101751	-0.13239	3.601641	-1.30946	0.207333	0.261147	-6.31844	4.381709	4.395423	4.406272	3.910405	3.99943	4.138446	4.19533	4.203129	4.189248	3.206534	3.373534	3.109727	3.288992	3.401888	3.429496	2.968656	3.204393	3.291935
MIB1	ENSG00000101752	0.369558	5.776384	7.12846	1.44E-06	7.50E-06	4.84042	6.05942	6.048899	5.984061	6.266066	6.296007	6.438914	5.961819	5.854103	5.860491	5.393783	5.566627	5.337805	5.94861	5.752296	5.826017	5.224213	5.336761	5.32087
RBBP8	ENSG00000101773	-0.69178	5.31997	-12.1541	5.90E-10	1.24E-08	12.96176	5.948335	5.998455	6.027288	5.236746	5.089893	5.294884	5.506885	5.595854	5.54523	5.319175	5.331897	5.503074	4.74791	4.853528	4.845411	5.163525	5.203826	5.233567
RIOK3	ENSG00000101782	0.217678	6.249028	3.388744	0.003383	0.006691	-3.12589	6.148765	6.104721	6.122779	6.062202	6.089305	6.129738	6.073542	6.147896	6.036192	6.259041	6.398541	6.22318	6.673127	6.741304	6.654027	6.284447	6.351658	6.336153
CSTF2	ENSG00000101811	-0.82202	6.365389	-9.47576	2.65E-08	2.62E-07	8.916923	6.98506	6.858002	6.864229	5.677771	5.779205	5.794193	6.788993	6.687205	6.7273	6.516467	6.449208	6.589695	6.013678	5.941552	6.003179	6.410327	6.436151	6.391939
VSIG1	ENSG00000101842	-0.99424	-0.57676	-3.91004	0.001077	0.002414	-0.93635	0.318509	0.499412	0.323815	0.106501	0.106501	0.2349	0.269385	0.106501	0.256032	1.964162	2.453955	1.986992	1.573426	1.528499	1.390007	2.782512	2.813204	2.760563
PSMD10	ENSG00000101843	-0.244	5.95371	-3.70468	0.001691	0.003615	-2.37294	6.411038	6.472276	6.330002	5.935739	5.949389	5.958972	6.187456	6.265306	6.315012	5.800109	5.736174	5.789551	5.737758	5.766058	5.684176	5.86068	5.619709	5.785098
ATG4A	ENSG00000101844	0.58844	3.760073	7.245861	1.16E-06	6.23E-06	5.443311	3.710582	3.638208	3.466347	4.281793	4.293254	4.241401	4.348988	4.511753	4.216877	3.446357	3.339557	3.432666	3.825085	3.793216	3.898452	3.762638	3.667508	3.779675
STS	ENSG00000101846	-0.37496	5.369578	-2.20546	0.041076	0.062311	-5.4591	3.975752	4.043996	3.773804	4.707799	4.836932	4.71863	3.539581	3.946081	3.90213	6.935101	7.011808	6.936015	6.201776	6.23046	6.286121	6.828581	6.869103	6.848549
TBL1X	ENSG00000101849	-0.16967	5.440709	-0.94722	0.356438	0.420922	-7.05268	6.727572	6.688047	6.654657	6.986816	6.942245	6.922796	6.510216	6.641157	6.580828	4.641707	4.529155	4.687318	3.773284	3.644697	3.629946	4.293774	4.477953	4.499478
PGRMC1	ENSG00000101856	0.36066	7.613148	11.28158	1.89E-09	3.07E-08	11.53506	7.003381	7.079978	6.97676	7.434719	7.418763	7.386529	7.332305	7.50609	7.335997	7.744044	7.742869	7.746193	8.062346	8.08398	8.082151	8.072746	8.07537	8.094084
POLA1	ENSG00000101868	-0.88792	4.824749	-7.12831	1.44E-06	7.50E-06	4.989315	4.749336	4.80064	4.866295	4.448742	4.58706	4.668345	4.857993	4.855002	4.770621	5.60265	5.491258	5.464284	4.211164	4.255082	4.411058	5.275849	5.209172	5.290293
MID1	ENSG00000101871	1.555214	7.26828	15.93029	7.59E-12	5.22E-10	17.286	6.90012	6.998666	6.958604	8.830713	8.823051	8.870555	7.667907	7.540543	7.64142	6.313634	6.336371	6.394718	7.538982	7.455919	7.581243	6.445064	6.360093	6.374554
NKAP	ENSG00000101882	-0.33584	5.147954	-3.92905	0.001033	0.002326	-1.72569	6.189761	6.022963	6.135406	5.626427	5.550798	5.513197	5.539183	5.606164	5.556087	4.634266	4.599033	4.81613	4.624704	4.657043	4.584502	4.623367	4.680124	4.515429
NXT2	ENSG00000101888	-0.64068	4.656214	-8.05164	2.75E-07	1.84E-06	6.796494	5.722499	5.779158	5.717553	5.156973	5.14795	5.199746	5.36994	5.510612	5.470686	4.13047	4.283241	4.194187	3.449427	3.544454	3.644271	4.361843	4.156841	4.190648
MCTS2P	ENSG00000101898	-0.62221	1.281861	-4.61475	0.000231	0.00062	0.541188	1.861169	1.631689	1.744977	1.519216	1.556428	1.714252	1.816207	1.85606	2.005764	2.224158	2.074736	1.986992	1.446877	1.528499	1.423614	2.173627	1.956613	1.910335
ALG13	ENSG00000101901	0.122739	5.493662	2.203711	0.041218	0.062501	-5.35245	5.985675	6.004148	5.955863	6.1997	6.166236	6.204178	6.031589	6.236837	6.174129	4.905504	5.051412	4.95467	4.957386	4.997558	5.009321	4.783949	4.99066	4.918728
PRPS2	ENSG00000101911	0.156548	6.054485	3.369581	0.003527	0.006945	-3.14602	5.443372	5.592753	5.522611	5.833796	5.751385	5.722075	5.801308	5.71813	5.690258	6.324078	6.278143	6.410311	6.406065	6.455213	6.450015	6.655474	6.649766	6.69361
MOSPD1	ENSG00000101928	-0.35973	4.883209	-4.91348	0.000122	0.000351	0.502893	6.035255	6.05805	6.027288	5.633379	5.407631	5.605169	5.498697	5.45466	5.609178	4.217694	4.335892	4.402219	4.046359	4.24529	4.237689	4.047354	3.923096	4.150354
AMMECR1	ENSG00000101935	-0.46303	6.175772	-6.48126	4.93E-06	2.15E-05	3.51945	6.463524	6.556048	6.52494	5.960829	5.839171	6.085714	5.997126	6.182756	6.106808	6.300766	6.346029	6.281465	5.953273	6.005308	5.846294	6.327639	6.32359	6.435904
WDR13	ENSG00000101940	0.638017	5.779766	9.119162	4.65E-08	4.20E-07	8.396337	5.689529	5.772502	5.799175	6.268301	6.59801	6.400068	6.195078	5.986272	6.128792	5.200749	5.294698	5.426038	5.93453	5.871668	5.873908	5.455985	5.453977	5.191165
SUV39H1	ENSG00000101945	-0.99433	4.556174	-8.36658	1.60E-07	1.16E-06	7.307977	4.640181	4.383825	4.526184	4.082842	4.1957	4.113606	4.681143	4.728586	4.66091	5.183009	5.123069	5.212332	3.762697	4.011117	4.01878	5.325701	5.258994	5.290293
SRPX	ENSG00000101955	0.315259	4.290105	1.716727	0.103697	0.142358	-5.44199	7.910563	7.913617	7.889844	8.1808	8.090098	8.118737	7.26992	7.372556	7.314845	0.982259	1.152172	1.333627	2.129525	2.084417	2.121111	1.13872	1.289746	1.416439
XIAP	ENSG00000101966	-0.10636	6.457909	-1.98322	0.063281	0.091896	-5.9269	6.41968	6.332962	6.304671	6.460381	6.342329	6.311829	6.41335	6.510042	6.423728	6.664441	6.757358	6.665519	6.423813	6.499135	6.550405	6.46067	6.44524	6.561569
STAG2	ENSG00000101972	0.155045	6.86587	1.682897	0.110172	0.150117	-6.45067	6.477388	6.446027	6.418267	6.9497	6.81811	6.923987	7.086758	7.060236	7.051418	7.026754	7.040512	6.966869	6.842932	6.956129	6.945474	6.904002	6.932692	6.970241
ATP11C	ENSG00000101974	0.73177	5.060551	9.568773	2.29E-08	2.32E-07	9.230231	4.859306	4.691972	4.772407	5.72735	5.677752	5.799394	5.32896	5.447033	5.482116	4.634266	4.748933	4.557708	5.049546	5.15751	5.183718	4.939614	4.884398	4.969789
ABCD1	ENSG00000101986	-0.17565	4.820818	-2.18028	0.043173	0.065166	-5.21597	5.970071	5.918315	6.177877	5.910205	5.941203	5.711078	5.83747	5.510612	5.640119	3.93235	4.152359	4.104202	3.993008	3.890658	3.805912	3.962207	3.793856	3.68882
CCDC22	ENSG00000101997	-0.34914	5.135535	-5.15826	7.23E-05	0.000222	0.914312	5.588399	5.504468	5.581801	5.020445	4.960875	5.019826	5.120637	5.013152	5.102264	5.24783	5.21026	5.315313	5.148423	5.000472	5.103047	5.165907	5.157568	4.938581
SYP	ENSG00000102003	0.995073	0.139628	4.105815	0.0007	0.001651	-0.37132	1.286899	1.277811	1.256574	2.291228	1.864131	2.374422	1.816207	1.760835	1.0941	0.669294	0.695454	0.683459	0.982856	0.671977	0.957066	0.63264	0.637375	0.497646
PLP2	ENSG00000102007	0.139388	6.821981	2.920904	0.009329	0.016581	-4.1151	7.210134	7.228403	7.236566	7.272735	7.278529	7.312062	7.924787	7.846922	7.90825	5.745902	5.88346	5.824276	6.069508	6.045359	6.010109	6.727389	6.807877	6.732796
PLS3	ENSG00000102024	0.418358	7.982526	4.917012	0.000121	0.000349	0.07071	7.813894	7.830081	7.763069	7.925814	7.851807	7.839566	7.748676	7.736286	7.683285	7.918822	7.948461	7.927949	8.642125	8.622458	8.663005	7.929397	7.956435	7.992329
NAA10	ENSG00000102030	-0.1662	5.209641	-3.27203	0.004365	0.00842	-3.19226	5.541658	5.528369	5.625931	5.363409	5.355198	5.30589	5.374422	5.495903	5.463015	5.170202	5.046155	5.047868	4.943391	5.020703	4.97856	5.02344	4.968764	5.246367
RENBP	ENSG00000102032	0.632537	1.324156	3.461825	0.002882	0.005812	-2.14732	1.755904	1.061904	1.62731	1.256461	1.612488	1.123626	0.782422	0.509405	1.171446	2.18395	2.500824	2.546206	3.213258	3.088026	3.137101	2.479639	2.354144	2.277588
ELF4	ENSG00000102034	-0.81662	5.397607	-7.20436	1.25E-06	6.65E-06	5.101487	6.487014	6.470907	6.470455	5.218368	5.399687	5.359696	6.364618	6.109759	6.140861	4.936085	4.796672	4.992239	4.561973	4.541772	4.444184	5.198848	5.248648	5.119922
SMARCA1	ENSG00000102038	0.258401	4.419489	1.528294	0.144335	0.190207	-6.18783	5.0569	5.198371	5.217952	5.041505	4.971631	5.195807	5.63569	5.666521	5.50844	3.437834	3.554746	3.400153	4.041988	4.274468	4.20424	3.508614	3.579432	3.509302
ASB9	ENSG00000102048	-0.29264	3.39193	-2.63199	0.017205	0.028624	-4.00759	4.740165	4.701347	4.626705	4.142539	4.1957	4.315882	4.31208	4.467202	4.527529	2.763691	2.817048	2.671369	2.717023	2.850343	2.858649	2.494877	2.37332	2.464474
RBBP7	ENSG00000102054	0.485191	7.80443	3.824794	0.001298	0.002847	-2.28182	7.695529	7.764512	7.727173	8.676441	8.521968	8.673258	8.695321	8.685207	8.71182	7.221194	7.25335	7.249713	7.270395	7.320254	7.270951	7.306648	7.259502	7.307548
KCND1	ENSG00000102057	-0.38066	1.183975	-2.19535	0.041906	0.063469	-4.31361	2.548084	2.693541	2.469799	2.143217	2.299368	2.164723	2.637802	2.848856	2.846105	1.239286	1.152172	1.277453	1.088368	0.938214	1.209118	0.884806	0.975239	1.222783
SLC25A14	ENSG00000102078	-0.08958	2.87523	-0.68552	0.502009	0.564122	-6.68957	3.792713	3.786518	3.845818	3.591402	3.410458	3.858473	3.941119	4.128801	3.913431	2.204194	2.500824	2.396013	2.28558	2.50126	2.497588	2.055273	2.535313	2.442395
FMR1	ENSG00000102081	0.418731	5.892382	6.587783	4.01E-06	1.80E-05	3.759004	5.340935	5.120143	5.309937	5.860706	5.845033	6.027064	5.907184	5.827914	5.872122	5.99716	5.966507	5.92141	6.217367	6.205427	6.18319	6.267911	6.312456	6.342128
PIM2	ENSG00000102096	-0.04826	4.285842	-0.327	0.74755	0.789102	-7.32671	4.393455	4.440906	4.470324	5.137544	4.789085	4.864722	4.445869	4.569092	4.490278	4.271447	4.186209	4.352105	3.708564	3.772912	3.843644	4.254026	4.298997	4.242679
SCML2	ENSG00000102098	-1.46026	2.550539	-7.96866	3.18E-07	2.07E-06	6.980875	5.578142	5.471972	5.497679	4.152252	4.177232	4.34463	5.178171	5.164994	4.91817	1.676063	1.699433	1.631268	0.656707	0.784432	0.404558	1.512637	1.329561	1.322858
SLC35A2	ENSG00000102100	0.023673	6.654383	0.513427	0.614082	0.669707	-7.69324	6.371495	6.37604	6.437331	6.252583	6.276619	6.315464	6.269158	6.147896	6.133632	6.958379	6.965218	7.052523	7.131234	7.102292	7.110617	7.023744	7.076371	7.052712
PQBP1	ENSG00000102103	-0.29121	6.095734	-4.26908	0.00049	0.001205	-1.17858	6.155679	6.097639	6.222519	5.558653	5.735694	5.525804	5.928678	5.848324	5.953754	6.410468	6.305902	6.498956	6.365533	6.270837	6.276956	6.311593	6.286139	6.367248
PCSK1N	ENSG00000102109	2.229757	3.531243	11.42639	1.55E-09	2.64E-08	12.08208	1.235614	1.508929	1.921989	3.533117	3.772191	3.335661	1.966276	1.901414	2.047395	3.463254	4.357275	4.654613	6.189971	6.423001	6.318861	5.434414	5.211838	4.416967
EMD	ENSG00000102119	-0.12212	6.338939	-3.22362	0.00485	0.009255	-3.45078	6.915477	6.896261	6.893195	6.735413	6.749451	6.682166	6.778885	6.886449	6.931474	5.905864	5.870134	5.968739	5.854531	5.845981	5.870866	5.869475	5.864653	5.930982
TAZ	ENSG00000102125	0.172984	4.500933	2.375207	0.029218	0.045928	-4.80832	5.2241	4.992316	5.217952	5.171375	5.279302	5.143594	5.405414	5.306587	5.229787	3.744695	3.842432	3.712353	4.131114	3.940055	4.119623	3.956715	3.870083	4.022248
PGK1	ENSG00000102144	-0.12903	9.694618	-2.27624	0.035673	0.0549	-5.62648	9.901735	9.93906	9.831053	9.930042	9.912082	9.908395	10.1555	10.18352	10.1568	9.378762	9.424735	9.309135	9.077971	9.089007	9.10815	9.724741	9.764829	9.74117
MAGT1	ENSG00000102158	0.39627	7.052859	4.300686	0.000457	0.001131	-1.18308	6.841296	6.840077	6.727949	7.568598	7.415812	7.401999	7.610168	7.69422	7.691514	6.70585	6.733845	6.695973	6.854195	6.843005	6.847509	6.853916	6.87416	6.959593
SMS	ENSG00000102172	-0.49882	7.574783	-5.51738	3.41E-05	0.000115	1.420833	8.43649	8.469421	8.383944	7.635052	7.562662	7.596059	8.078976	8.193658	8.154338	7.06669	7.062159	7.16565	6.947128	6.950113	6.950527	7.265592	7.256278	7.321981
PHEX	ENSG00000102174	0.071946	1.322867	0.28815	0.776621	0.814336	-6.51412	2.483604	2.71221	2.492412	2.840308	2.926537	2.741673	1.966276	2.420731	2.127218	1.315703	1.435603	1.027938	1.088368	0.986036	1.17005	1.880661	1.206659	1.273688
UBL4A	ENSG00000102178	0.131119	6.556771	1.436083	0.168636	0.21784	-6.74954	6.508778	6.524706	6.628099	6.969064	7.129199	6.96391	7.202197	7.204053	7.127389	6.284221	6.117	6.247143	6.036929	6.003857	6.004567	6.545438	6.427003	6.394816
CD99L2	ENSG00000102181	0.759885	6.257435	5.474465	3.73E-05	0.000125	1.551461	7.275072	7.287174	7.273755	8.357562	8.428927	8.401681	7.680631	7.71342	7.710264	4.728129	4.799799	4.681918	4.863895	4.767207	4.826692	4.882828	4.798342	4.72199
EEA1	ENSG00000102189	0.093549	4.356836	0.737898	0.470368	0.533779	-7.15338	3.983545	3.855322	3.81026	4.263984	4.416469	4.668345	4.651903	4.547856	4.687485	4.68196	4.686104	4.595532	4.397206	4.513497	4.385705	4.537676	4.482376	4.562249
RP2	ENSG00000102218	0.109065	4.052861	1.715148	0.103992	0.142666	-5.90283	4.548594	4.663476	4.686762	4.694564	4.635214	4.685302	4.330652	4.397684	4.189248	3.968304	3.741965	3.728156	4.002038	4.028349	3.87435	3.439417	3.579432	3.410407
JADE3	ENSG00000102221	-0.40172	5.014574	-5.73653	2.17E-05	7.76E-05	2.163252	5.420591	5.538865	5.423134	4.733909	4.836932	4.942007	4.968851	5.002785	4.91817	5.14686	5.137972	5.143288	4.873768	5.012067	4.903135	4.999601	4.987552	5.098903
CDK16	ENSG00000102225	-0.02176	7.538918	-0.59631	0.558616	0.618162	-7.70201	7.742785	7.767304	7.849359	7.819335	7.804458	7.770399	7.701295	7.74253	7.731172	7.459309	7.25278	7.358212	7.31953	7.254046	7.336374	7.302324	7.289463	7.345965
USP11	ENSG00000102226	0.381279	6.362314	8.604257	1.08E-07	8.40E-07	7.427551	5.691909	5.790183	5.812715	6.318771	6.254768	6.267477	5.964794	5.871301	5.845819	6.746966	6.656607	6.717904	6.992575	6.991704	6.983293	6.616821	6.728196	6.609418
HTATSF1	ENSG00000102241	-0.1314	6.653448	-2.85949	0.010638	0.018657	-4.27182	6.882515	6.902371	6.881464	6.892894	6.815127	6.890259	6.734246	6.85221	6.678454	6.573021	6.654881	6.639292	6.317514	6.413195	6.464215	6.441136	6.53525	6.462202
TIMP1	ENSG00000102265	-0.15151	8.482867	-1.30306	0.20946	0.2635	-6.99938	10.30672	10.28421	10.25423	10.36619	10.31163	10.34964	11.33047	11.18872	11.34793	6.453384	6.499118	6.443397	5.952109	5.927843	5.990621	6.663082	6.649766	6.552579
KLHL4	ENSG00000102271	1.062883	0.82775	2.087949	0.05173	0.076749	-4.31902	4.232739	4.262405	4.16017	5.547654	5.257491	5.380668	3.879385	4.109604	3.979442	0.54782	0.330605	0.288049	0.234608	0.106501	0.335616	0.106501	0.2791	0.497646
GABRE	ENSG00000102287	0.27455	3.257669	1.281766	0.216668	0.271583	-6.43088	2.392887	1.849715	2.514675	3.376187	3.378481	3.608819	2.480375	3.26787	3.181386	4.19764	4.399113	3.848714	4.055062	3.839509	4.072733	3.43152	3.659719	4.143528
PCDH11X	ENSG00000102290	-0.06832	-1.33402	-0.19115	0.850613	0.876585	-6.15351	1.959273	1.915637	2.109199	1.791994	1.817192	1.757653	3.094248	3.043491	3.162566	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.106501	0.106501	0.315289
FGD1	ENSG00000102302	-0.32447	2.615521	-1.23487	0.233222	0.290035	-5.93373	5.104131	5.168263	5.214556	4.851861	5.07001	4.740428	4.716879	4.576102	4.72003	1.158593	0.986408	1.305813	0.869014	0.7293	1.247156	1.734264	1.707432	1.626848
PIN4	ENSG00000102309	-0.21839	4.731042	-2.97039	0.00839	0.015082	-3.73804	5.266237	5.281977	5.148462	4.640378	4.854473	5.155812	4.883375	4.877874	4.945952	4.58494	4.623947	4.69538	4.612964	4.557684	4.435973	4.555953	4.460128	4.587619
PORCN	ENSG00000102312	-0.13376	5.274608	-2.53337	0.021124	0.034405	-4.8088	4.473109	4.639292	4.641955	4.540361	4.1957	4.162865	4.393833	4.341199	4.396744	6.337886	6.282621	6.376449	6.279029	6.20795	6.294092	6.07988	6.084202	6.039759
MAGED2	ENSG00000102316	0.819189	7.36862	19.80451	2.05E-13	3.32E-11	20.98386	7.57111	7.562636	7.482999	8.32304	8.340404	8.254171	7.72956	7.751846	7.691514	6.628378	6.533337	6.61116	7.480016	7.483773	7.3942	6.635848	6.701892	6.636412
RBM3	ENSG00000102317	0.340795	7.777609	5.35375	4.80E-05	0.000156	1.072505	8.514201	8.546543	8.530786	8.680642	8.744084	8.799328	8.777575	8.884002	8.877507	6.604777	6.668631	6.660037	7.053018	7.152271	7.190877	6.738634	6.900009	6.82421
SRPX2	ENSG00000102359	-0.65123	6.002364	-8.80944	7.68E-08	6.35E-07	7.836579	6.429698	6.274494	6.333137	5.772136	5.582723	5.809741	5.760796	5.795247	5.828013	6.356094	6.346029	6.32455	5.678445	5.674166	5.743594	6.302962	6.230705	6.224144
SYTL4	ENSG00000102362	-0.30694	1.652185	-1.20272	0.245126	0.302988	-5.8371	4.179456	4.204245	4.138828	3.840029	3.48743	3.700636	3.115825	3.491964	3.306673	0.781331	1.112482	0.54756	1.054048	1.077171	1.17005	0.686723	1.024588	0.805046
CENPI	ENSG00000102384	-0.90898	2.547945	-2.82171	0.011529	0.020041	-3.34918	3.541402	3.657602	3.443319	3.51817	3.560502	3.321269	4.19533	4.138304	4.339245	2.693825	2.604605	2.546206	1.018891	0.671977	1.247156	2.597261	2.48331	2.464474
PBDC1	ENSG00000102390	-0.02803	5.435147	-0.5908	0.56222	0.621668	-7.46498	5.611213	5.678322	5.607923	5.432797	5.529116	5.663381	5.559008	5.5324	5.408147	5.393783	5.340512	5.421185	5.356354	5.50599	5.367623	5.329955	5.408227	5.302602
GLA	ENSG00000102393	-0.45623	5.68989	-4.25268	0.000508	0.001244	-0.97872	7.1149	7.1058	7.126124	6.932892	6.803133	6.891478	7.612067	7.574192	7.616569	4.607916	4.588222	4.595532	3.640803	3.884362	3.693316	4.434767	4.477953	4.562249
ARMCX3	ENSG00000102401	1.233689	6.312579	13.9829	6.33E-11	2.33E-09	15.20771	6.658669	6.711435	6.604939	8.055702	8.046885	8.041825	7.635597	7.69422	7.732767	4.789709	4.84591	4.69538	5.667135	5.685073	5.766693	5.095182	5.123998	5.243178
BEX4	ENSG00000102409	-0.39137	-1.56322	-1.12945	0.273972	0.334407	-5.55017	2.725848	2.470453	2.492412	2.103714	2.155834	2.258349	1.70672	1.658879	1.564539	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
NALCN	ENSG00000102452	-0.54452	2.475153	-1.82929	0.084469	0.118707	-5.22968	4.467563	4.543506	4.400306	3.255206	3.683372	3.678224	2.576877	3.196885	3.406029	1.787595	1.616737	1.696985	1.99126	2.127698	1.876113	2.368215	1.707432	1.775544
NDFIP2	ENSG00000102471	-0.08772	5.645676	-0.81834	0.42418	0.489278	-7.34864	5.682365	5.610278	5.452263	5.232173	5.226392	5.341983	5.729647	5.824975	5.722741	5.850748	5.918406	5.945268	5.928622	6.026902	5.949395	5.596816	5.605589	5.515842
FNDC3A	ENSG00000102531	1.399546	6.698896	8.392342	1.54E-07	1.12E-06	7.096991	5.838758	5.661609	5.75544	7.647124	7.537544	7.770399	7.913281	7.981702	7.925796	5.761354	5.798468	5.648575	6.532195	6.632825	6.54755	6.668132	6.650749	6.611893
CDADC1	ENSG00000102543	-0.12162	2.64876	-0.97923	0.340829	0.404906	-6.41579	3.373632	3.417081	3.104764	3.619685	2.926537	3.349911	3.647218	3.446787	3.453254	2.444376	2.618839	2.485514	2.28558	2.250257	2.34809	2.448672	2.33471	2.374055
CAB39L	ENSG00000102547	0.385029	3.207289	3.916594	0.001061	0.002383	-1.41508	2.744313	2.950996	2.794903	3.472378	3.207016	3.152687	3.094248	3.196885	3.406029	3.512789	3.562131	3.641797	3.778549	3.981932	3.862146	3.31616	3.467897	3.421736
KLF5	ENSG00000102554	-0.09549	5.534339	-2.17305	0.043793	0.06599	-5.50828	5.067938	4.909804	4.942176	4.778495	4.70778	4.965334	4.832157	4.860754	4.973208	6.33674	6.347099	6.309747	6.252789	6.246501	6.284978	6.117284	6.117279	6.204601
STK24	ENSG00000102572	-0.04818	7.083972	-1.07307	0.297832	0.359524	-7.27822	6.630407	6.64861	6.562826	6.394386	6.362903	6.437247	6.725501	6.820094	6.740051	7.477615	7.475918	7.485316	7.510789	7.618355	7.520903	7.729734	7.782219	7.798452
ACP5	ENSG00000102575	0.923046	1.044641	8.286274	1.84E-07	1.30E-06	7.245652	0.106501	0.215206	0.219246	0.742604	0.389229	0.563119	0.269385	0.106501	0.256032	4.35077	4.357275	4.428251	5.225618	5.253444	5.153992	4.609434	4.576385	4.38838
DNAJC3	ENSG00000102580	0.240014	6.246944	1.730616	0.101136	0.139244	-6.28702	6.014486	6.000355	5.929176	6.829226	6.752573	6.813931	6.691778	6.703301	6.661798	6.007276	6.101878	6.047478	5.772474	5.731404	5.778105	6.365436	6.226757	6.381823
UGGT2	ENSG00000102595	0.36043	5.025335	4.187578	0.000586	0.001409	-1.09762	5.583279	5.612764	5.536278	6.180841	6.069414	6.235215	5.885366	5.839612	5.875015	4.187508	4.265255	4.268117	4.230502	4.274468	4.297823	4.430811	4.2788	4.353311
ARHGEF7	ENSG00000102606	-0.14491	5.716144	-3.06312	0.00687	0.012647	-3.73104	5.797357	5.998455	5.891391	5.71757	5.575689	5.727543	5.875913	5.879824	5.803925	5.763061	5.732906	5.730625	5.675625	5.67599	5.629423	5.6708	5.692129	5.560088
FGF9	ENSG00000102678	0.799427	-0.41997	4.87132	0.000133	0.000381	0.816495	0.318509	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.693825	2.969234	3.125724	3.746669	3.793216	3.886451	2.719047	2.770449	2.81313
PARP4	ENSG00000102699	-0.05321	6.947521	-0.85813	0.402438	0.467721	-7.45065	7.266314	7.210458	7.220572	7.187915	7.043854	7.071012	7.463262	7.397502	7.402674	6.682591	6.744433	6.654534	6.718345	6.706043	6.712977	6.586914	6.550072	6.658128
SUPT20H	ENSG00000102710	0.159041	5.793244	1.661986	0.114345	0.155063	-6.37894	5.440544	5.369848	5.341417	5.232173	4.86605	5.272617	5.605504	5.58894	5.346947	6.108753	6.19032	6.033767	6.507836	6.531724	6.455103	6.233123	6.324822	6.339143
MRPS31	ENSG00000102738	-0.60263	4.382307	-6.17998	8.91E-06	3.59E-05	3.190038	4.846543	4.644161	4.840087	3.966538	3.722109	3.75519	4.215456	4.55497	4.339245	4.786356	4.655361	4.892917	4.441025	4.344933	4.519937	4.570409	4.482376	4.597643
SLC25A15	ENSG00000102743	-0.21643	4.261718	-2.14786	0.046018	0.06897	-5.20815	4.837972	5.073976	4.835673	4.333937	4.408574	4.48682	4.544628	4.877874	4.758139	3.907872	3.896014	4.054926	4.135224	3.981932	3.968435	4.098126	3.896833	4.029672
KPNA3	ENSG00000102753	-0.25277	6.121411	-5.95647	1.39E-05	5.30E-05	2.475013	6.218111	6.319327	6.200371	6.077576	5.962929	6.070736	6.575907	6.572714	6.57728	6.051244	6.04635	6.049576	5.729627	5.727893	5.832286	6.218282	6.139849	6.204601
RGCC	ENSG00000102760	-0.39536	3.090344	-4.00788	0.000868	0.002002	-1.09149	4.117062	3.944869	4.188143	3.591402	3.867423	3.733615	3.617275	3.736817	3.543305	3.196464	3.116952	3.018425	2.842976	2.686334	2.647333	2.192442	2.500854	2.374055
VWA8	ENSG00000102763	0.239585	5.044985	3.54933	0.002379	0.004901	-2.53223	5.210884	5.381559	5.207739	5.547654	5.627623	5.683212	5.740105	5.819078	5.640119	4.604112	4.599033	4.503642	4.701546	4.66441	4.617548	4.793224	4.580516	4.735671
DGKH	ENSG00000102780	-0.66416	4.005712	-6.39807	5.80E-06	2.47E-05	3.614257	3.373632	3.557914	3.500214	3.456785	3.546181	3.472196	3.004565	3.214961	3.357206	5.360348	5.393221	5.131452	4.376523	4.420842	4.543056	4.677792	4.780497	4.784756
KATNAL1	ENSG00000102781	0.812413	2.685452	8.528396	1.22E-07	9.29E-07	7.89199	3.397161	3.347134	3.443319	4.281793	4.167908	4.170914	3.555458	3.724251	3.572114	1.964162	1.967585	1.839597	2.399306	2.48471	2.481722	1.85727	1.981819	2.350536
INTS6	ENSG00000102786	-0.58427	6.422598	-8.65843	9.84E-08	7.78E-07	7.584627	7.529131	7.496188	7.471663	6.814008	6.639075	6.749552	7.338053	7.495037	7.352698	5.808398	5.840072	5.74623	5.414998	5.544428	5.384788	5.803695	5.750126	5.791663
DHRS12	ENSG00000102796	0.627102	2.441912	2.162592	0.044704	0.067215	-4.83271	3.041689	3.027527	3.013906	2.063099	2.078331	2.429135	2.412257	2.451551	2.34318	2.204194	2.590228	2.460504	3.825085	3.652127	3.693316	2.625227	2.48331	2.374055
TSC22D1	ENSG00000102804	-0.11864	8.642294	-1.56801	0.134804	0.17939	-6.7307	9.101556	9.09354	9.096931	9.140795	9.206445	9.201429	9.641164	9.619652	9.622291	8.094826	8.149673	8.10128	7.781479	7.766909	7.777581	8.093853	8.069871	8.077168
CLN5	ENSG00000102805	0.972658	4.386682	13.71003	8.69E-11	2.96E-09	15.00403	4.02189	4.197635	4.201929	5.350809	4.966263	5.167927	4.454362	4.62424	4.640652	4.043261	3.848485	3.964424	4.758606	4.777434	4.860827	4.161567	4.173346	4.058989
MSLN	ENSG00000102854	1.043539	2.248327	6.055552	1.14E-05	4.46E-05	3.508203	4.664623	4.830853	4.904734	5.743505	5.87399	5.643273	4.779054	4.900389	4.831463	0.483018	0.640699	0.499259	1.27873	1.077171	1.390007	0.686723	0.759002	0.580851
MGRN1	ENSG00000102858	0.009461	6.523758	0.147799	0.884193	0.90536	-7.79411	6.701822	6.801367	6.816862	6.772099	6.660839	6.524637	6.402418	6.28255	6.462714	6.371839	6.438213	6.537585	6.60956	6.564578	6.558936	6.456784	6.478826	6.278122
ZNF629	ENSG00000102870	-0.0058	5.379179	-0.11267	0.911576	0.927687	-7.67384	5.064268	5.10962	5.335175	5.062262	5.054916	5.093661	4.792514	4.843429	4.956916	5.89967	5.8294	5.846165	5.93453	5.826412	5.950836	5.629975	5.746454	5.510546
TRADD	ENSG00000102871	0.720717	4.348186	8.874417	6.90E-08	5.83E-07	8.178293	4.339825	4.47956	4.400306	4.999073	5.14795	5.114677	4.13321	3.913244	4.252911	3.93235	4.056262	4.132188	4.761267	4.739573	4.732626	4.293774	4.211138	3.961444
HSF4	ENSG00000102878	0.807483	3.609357	6.994795	1.85E-06	9.31E-06	5.00178	4.006674	3.829904	4.275483	4.971905	4.871804	4.839695	4.057185	4.080322	4.235006	3.058725	3.21391	2.86487	3.557503	3.599295	3.754018	2.384669	2.895091	2.896697
CORO1A	ENSG00000102879	-0.28468	1.753283	-2.68166	0.015503	0.026094	-4.35465	0.216396	0.316291	0.512639	0.52061	0.512209	0.3528	0.106501	0.253663	0.515351	5.651384	5.523772	5.720126	5.370368	5.345687	5.262439	6.038884	6.008036	5.796022
MAPK3	ENSG00000102882	0.410832	5.501897	6.178335	8.94E-06	3.60E-05	2.971926	4.984965	4.905754	4.98267	5.156973	5.248674	5.238557	5.333571	5.335791	5.283036	5.687782	5.752405	5.725385	6.288285	6.156634	6.162191	5.783672	5.771966	5.845233
GDPD3	ENSG00000102886	0.527427	0.839593	3.521473	0.002529	0.005178	-2.38663	0.216396	0.582935	0.106501	0.742604	0.512209	0.3528	0.269385	0.106501	0.106501	4.156676	3.986619	4.314216	4.610014	4.729072	4.527685	4.267397	4.128907	4.163911
ELMO3	ENSG00000102890	0.919965	3.6526	6.09004	1.07E-05	4.19E-05	2.981484	2.884092	2.636038	2.758051	2.325974	2.193078	2.098749	2.637802	2.357042	2.82232	4.615493	4.672521	4.566525	5.74987	5.771185	5.779728	5.02081	4.92395	4.958165
PHKB	ENSG00000102893	0.244351	6.447843	3.932084	0.001026	0.002313	-1.94736	6.384797	6.297857	6.255944	6.70933	6.698559	6.705903	6.679152	6.723961	6.639853	6.305458	6.357747	6.388101	6.474163	6.479431	6.42119	6.306205	6.214848	6.327144
LYRM1	ENSG00000102897	-0.28046	4.353015	-4.22606	0.000538	0.001311	-0.8983	4.876148	4.99613	4.840087	4.416862	4.7142	4.685302	5.071794	5.023446	4.934903	4.03198	4.147458	4.096105	3.918659	3.940055	3.693316	4.175819	4.05364	4.087723
NUTF2	ENSG00000102898	0.022262	7.202268	0.318277	0.754047	0.795017	-7.79594	7.787429	7.800943	7.766552	7.564057	7.58385	7.584807	7.773494	7.646734	7.734361	6.73571	6.578646	6.647626	6.931852	6.924264	6.873582	6.68068	6.608892	6.610656
NUP93	ENSG00000102900	-0.38843	6.437734	-3.98952	0.000904	0.002072	-1.81878	6.805475	6.792622	6.74923	6.728936	6.672424	6.567948	6.369117	6.367829	6.346621	6.580784	6.461107	6.60618	6.005843	5.884342	5.956588	6.417342	6.387466	6.493409
CENPT	ENSG00000102901	0.366144	4.95578	4.72235	0.000183	0.000505	0.007495	5.067938	5.127117	5.130553	5.209091	5.226392	5.195807	5.173034	5.117737	5.021009	4.685565	4.702905	4.623968	5.273015	5.15751	5.243746	4.555953	4.729324	4.827974
NFAT5	ENSG00000102908	-0.01549	5.104673	-0.17111	0.866105	0.889846	-7.60854	4.511345	4.50655	4.835673	4.740363	4.770725	5.046319	4.799197	4.922558	4.849226	5.666054	5.846135	5.45006	5.436806	5.512128	5.507395	5.365622	5.384796	5.531613
LONP2	ENSG00000102910	-0.00085	6.741839	-0.014	0.988987	0.990657	-7.81885	7.012932	7.070966	6.994691	7.178439	7.106197	7.16165	6.865814	6.752088	6.774546	6.626504	6.657469	6.457686	6.47983	6.427338	6.485255	6.537182	6.468832	6.55
N4BP1	ENSG00000102921	0.291466	6.121685	4.692128	0.000195	0.000534	-0.27391	5.694285	5.687786	5.715152	5.684481	5.797458	5.663381	5.356409	5.443204	5.321722	6.471243	6.532397	6.559833	6.971468	6.962866	6.995217	6.586914	6.552177	6.606939
ARL2BP	ENSG00000102931	0.37428	6.136143	4.324484	0.000434	0.001081	-0.96777	7.028082	6.940477	6.898496	7.139902	7.001181	7.118604	7.332305	7.352283	7.248347	4.623032	4.796672	4.737631	5.409919	5.462279	5.389047	5.454038	5.524288	5.475641
PLLP	ENSG00000102934	-0.15944	2.374455	-1.52192	0.145915	0.191988	-6.06006	1.927307	2.009193	1.54317	1.519216	2.03796	1.367251	1.317361	1.301009	1.38134	3.87668	3.848485	3.886761	3.865227	3.629721	3.72061	4.052512	3.999132	3.95366
CCL22	ENSG00000102962	-2.01764	0.893929	-4.78635	0.00016	0.000447	0.950663	1.561356	1.551021	1.256574	1.104644	1.373859	2.064596	1.317361	1.367163	1.445026	2.990428	2.575707	2.735323	0.701742	0.671977	0.651457	1.809319	1.930959	2.003758
DHODH	ENSG00000102967	-0.39783	4.360617	-5.71626	2.27E-05	8.04E-05	2.229142	4.595114	4.354415	4.504099	4.236852	4.158524	4.162865	4.215456	3.988732	4.388669	4.596474	4.833757	4.864598	4.400624	4.344933	4.293286	4.60593	4.625193	4.61255
CTCF	ENSG00000102974	-0.17403	6.872216	-3.68364	0.001771	0.003775	-2.5293	6.977275	6.984337	6.931968	6.993586	6.85779	6.992576	7.184439	7.16623	7.180976	6.843694	6.830279	6.804926	6.504663	6.513484	6.518684	6.849477	6.934307	6.862127
ACD	ENSG00000102977	-0.87495	4.790336	-8.03254	2.84E-07	1.89E-06	6.663144	5.51233	5.438728	5.717553	4.479932	4.42432	4.293939	4.651903	4.630987	4.585199	5.109782	5.113047	5.155027	4.650776	4.363157	4.516048	4.969919	4.917433	4.684858
POLR2C	ENSG00000102978	-0.39499	7.238393	-6.15348	9.39E-06	3.75E-05	2.759886	7.655847	7.625542	7.585153	7.161705	7.007728	6.981178	7.568721	7.645069	7.585996	7.236018	7.120848	7.192004	6.95063	6.897944	7.016021	7.11779	7.069775	7.053622
PARD6A	ENSG00000102981	0.555754	2.336075	4.469894	0.000316	0.000819	-0.00429	2.483604	2.206444	2.326135	2.740812	2.71237	2.064596	2.186178	2.389238	2.34318	2.409929	2.575707	2.473063	3.116795	3.04352	3.206318	2.890155	2.95995	2.896697
ZNF821	ENSG00000102984	1.115603	1.255626	5.204276	6.56E-05	0.000204	1.712576	1.12723	1.465573	0.421314	1.978268	1.612488	1.526279	1.240874	1.430416	1.674905	1.865926	2.174476	1.951531	2.812503	2.700737	2.846311	2.034568	2.124453	2.252429
MMP15	ENSG00000102996	0.293452	5.883648	3.296637	0.004137	0.008026	-3.28587	5.316463	5.24399	5.254791	5.96359	6.036494	5.928437	5.465469	5.506949	5.523269	6.265076	6.183153	6.257162	6.291971	6.229218	6.237346	6.356079	6.157931	6.156248
USB1	ENSG00000103005	0.017429	7.219613	0.474636	0.640923	0.693141	-7.74781	7.317308	7.358535	7.350026	7.363336	7.400966	7.389981	7.299683	7.198386	7.300928	7.162269	7.064111	7.115462	7.134317	7.100935	7.091142	7.110389	7.19899	7.176583
CYB5B	ENSG00000103018	-0.28284	6.642938	-4.24424	0.000517	0.001265	-1.26778	6.897029	6.900337	6.798832	6.879799	6.784952	6.826724	7.068894	7.0887	7.065416	6.583684	6.563087	6.638596	6.05331	6.127612	6.078955	6.533497	6.474393	6.483982
CCDC113	ENSG00000103021	0.212931	3.951292	1.614626	0.124299	0.167255	-6.04723	5.000411	4.945746	4.962565	4.898777	4.65537	4.772519	3.774765	3.868266	3.924645	3.496465	3.532361	3.373604	4.085116	4.095289	4.12984	3.200096	3.058015	3.215882

NME3	ENSG00000103024	0.84025	5.067154	8.036466	2.83E-07	1.88E-06	6.633177	4.984965	4.969219	5.238162	5.491368	5.794432	5.45506	5.178171	5.169636	5.321722	4.252132	4.443776	4.52189	5.542705	5.491566	5.41643	5.119964	4.962447	4.680149
NDRG4	ENSG00000103034	2.404244	2.870175	20.10045	1.59E-13	2.86E-11	20.97253	1.642349	1.81559	1.853768	3.181227	3.329147	3.086148	2.576877	2.184314	2.440135	2.282443	2.687979	2.671369	4.984974	4.944083	4.882136	3.859998	3.903444	3.698167
PSMD7	ENSG00000103035	0.010216	7.325012	0.218496	0.829573	0.85888	-7.85603	7.393865	7.345888	7.318735	7.279398	7.108636	7.351548	7.143007	7.30876	7.266088	7.343163	7.322929	7.405253	7.441537	7.489487	7.471549	7.294181	7.379346	7.354119
SETD6	ENSG00000103037	0.121973	5.115914	2.161432	0.044806	0.067355	-5.43075	4.941618	5.03743	5.176661	5.320976	5.274966	5.211499	4.845133	4.831761	4.872576	5.167627	5.26106	5.342946	5.32071	5.336493	5.292308	5.273642	5.179522	5.167806
SLC38A7	ENSG00000103042	1.462953	5.519756	18.09646	9.23E-13	1.07E-10	19.54312	5.197545	5.17164	5.281005	6.842787	6.918814	6.849469	6.428516	6.409631	6.423728	4.30464	4.411431	4.331562	5.539608	5.419382	5.505435	4.994249	5.069195	4.942519
VAC14	ENSG00000103043	0.103148	5.86586	2.219651	0.039936	0.060737	-5.44769	5.557407	5.485601	5.618241	5.654037	5.697326	5.716587	5.683433	5.602735	5.677057	6.149776	6.165079	6.197867	6.337271	6.191472	6.201469	6.045367	6.098677	5.97009
HAS3	ENSG00000103044	-1.15845	4.153034	-4.40711	0.000363	0.000923	-0.34519	5.876913	5.668796	5.710337	4.555081	4.621619	4.580436	5.152303	5.160337	5.300358	3.322191	3.26005	3.380287	2.385571	2.467968	2.449456	4.473742	4.200441	4.229846
TANGO6	ENSG00000103047	0.124026	4.182291	1.138091	0.270443	0.330552	-6.70269	4.333741	4.569336	4.429894	4.759555	4.854473	4.829562	4.376062	4.373746	4.279358	3.851231	4.013804	4.050743	3.942308	3.78648	3.910354	4.293774	4.05364	4.051715
COG4	ENSG00000103051	0.059339	6.255523	1.311357	0.206704	0.260469	-6.93236	5.770583	5.7433	5.803703	5.98549	5.946666	6.072885	5.63569	5.58894	5.598715	6.855742	6.844734	6.845941	6.820775	6.799338	6.771244	6.666451	6.588526	6.630321
SLC7A6OS	ENSG00000103061	-0.31188	5.143174	-4.99638	0.000102	0.000301	0.584185	5.590951	5.469231	5.437772	5.12773	5.059965	5.063714	5.310366	5.58547	5.534291	5.15208	5.172157	5.103452	4.982695	4.834061	4.95577	5.028684	4.978189	4.950363
SLC7A6	ENSG00000103064	-0.30881	6.791046	-6.45345	5.20E-06	2.25E-05	3.406842	6.980199	6.983377	6.97676	6.54577	6.541374	6.607034	7.225954	7.071441	7.129813	6.820933	6.765378	6.681841	6.591726	6.48776	6.537992	6.862752	6.852118	6.821005
PLA2G15	ENSG00000103066	0.748343	4.0914	11.00852	2.75E-09	4.17E-08	11.52322	3.682132	3.804029	3.783005	4.448742	4.70778	4.518705	4.330652	4.157125	4.296723	3.889238	3.799336	3.951019	4.571104	4.501207	4.472558	3.97856	4.184245	4.136669
ESRP2	ENSG00000103067	0.738232	2.19433	5.097836	8.21E-05	0.000249	0.804277	1.069823	0.8079	0.964748	0.258133	0.25478	0.3528	0.548589	0.509405	0.106501	5.43719	5.498975	5.472126	6.341723	6.275656	6.239706	6.162119	6.173056	6.17478
FA2H	ENSG00000103089	0.36495	2.165604	2.052183	0.05544	0.081599	-4.95721	2.461454	2.09705	2.194417	2.740812	2.398361	2.719893	1.648695	2.069791	1.777424	2.18395	2.674414	2.592986	2.88263	2.837366	2.574402	2.744769	3.138674	2.863849
WDR59	ENSG00000103091	-0.07439	5.063136	-0.968	0.346248	0.410491	-7.10776	5.449012	5.564777	5.402389	5.241304	5.008661	5.131272	4.845133	5.132077	5.112107	5.029806	5.030268	5.016036	5.180594	5.128506	5.200779	4.814634	4.81246	4.836464
MON1B	ENSG00000103111	0.470943	5.96139	8.611577	1.06E-07	8.32E-07	7.491793	5.670345	5.639833	5.643717	6.180841	6.051781	6.087841	5.93476	5.686091	5.909288	6.018751	5.952525	5.952013	6.503073	6.418651	6.396015	5.873853	5.849327	5.97009
CMC2	ENSG00000103121	-0.44612	4.831231	-5.18858	6.78E-05	0.00021	1.051878	5.023273	4.893538	4.817878	4.88719	4.752128	4.777799	5.082792	5.088621	5.067277	5.215784	5.085124	5.074898	4.359059	4.492955	4.523816	4.975361	4.826442	4.958165
AXIN1	ENSG00000103126	-0.08379	5.677024	-1.59833	0.12789	0.171326	-6.43131	5.916123	5.839841	5.929176	5.643745	5.845033	5.694423	5.712047	5.606164	5.62645	5.598832	5.599299	5.738449	5.661447	5.640943	5.611309	5.655626	5.682553	5.706224
HCFC1R1	ENSG00000103145	0.999442	5.118601	15.27173	1.51E-11	8.43E-10	16.72361	5.420591	5.361002	5.378308	6.268301	6.457769	6.198283	5.418495	5.169636	5.424038	4.281009	4.335892	4.379049	5.44345	5.343394	5.299114	4.306784	4.428393	4.080593
NPRL3	ENSG00000103148	-0.46231	5.667523	-9.40614	2.95E-08	2.85E-07	8.881904	6.22141	6.195425	6.230948	5.587578	5.735694	5.770552	5.943836	5.842522	5.839908	5.60265	5.575777	5.724072	5.2599	5.241179	5.227188	5.57368	5.489561	5.489166
MLYCD	ENSG00000103150	0.690463	2.949446	5.897744	1.57E-05	5.86E-05	2.909237	2.688195	2.870177	2.848472	3.376187	3.295295	3.306732	3.027514	3.335526	3.236418	3.08079	2.841532	2.992487	3.501296	3.666873	3.740748	3.073871	2.921385	2.629903
MPG	ENSG00000103152	0.244664	5.679128	2.180988	0.043113	0.065096	-5.43763	6.313939	6.294764	6.421217	6.257092	6.366983	6.133861	6.164346	6.119389	6.185827	4.829349	4.925369	5.147212	5.632665	5.524325	5.572511	5.102661	5.092525	4.708177
NECAB2	ENSG00000103154	-1.26232	-0.22162	-2.49246	0.022987	0.037112	-3.52898	1.336422	1.061904	1.088647	1.326771	0.730585	1.475193	2.058296	1.549165	1.445026	0.669294	0.799097	0.993481	0.171976	0.190544	0.263213	1.627702	1.67689	1.170016
HSDL1	ENSG00000103160	0.645256	5.223067	14.10906	5.48E-11	2.09E-09	15.3985	4.937612	4.852052	4.85325	5.468225	5.503402	5.556848	5.431459	5.462247	5.523269	4.917814	4.956526	4.803754	5.528714	5.483259	5.517157	5.373887	5.26414	5.305663
TAF1C	ENSG00000103168	0.302066	5.372268	5.424161	4.14E-05	0.000137	1.398107	4.71698	4.710662	4.904734	4.815644	4.888929	4.844735	4.87074	4.644388	4.764393	5.888767	5.89374	5.92141	6.327426	6.266003	6.315508	5.83696	5.873097	5.91704
NAGPA	ENSG00000103174	0.27221	4.201181	3.16085	0.00556	0.010462	-3.13766	5.067938	5.120143	4.998554	5.573188	5.399687	5.320436	5.003988	4.922558	5.010523	3.394446	3.330936	3.585074	3.646572	3.348006	3.593499	3.516101	3.182818	3.31642
COTL1	ENSG00000103187	-0.79831	7.272427	-4.1171	0.000683	0.001615	-1.62146	8.087305	8.121259	8.084264	6.344419	6.575269	6.540255	7.079914	7.071441	6.975272	7.348857	7.265842	7.421139	7.247798	7.252825	7.237683	7.480814	7.463397	7.488808
USP10	ENSG00000103194	-0.1883	6.961868	-4.48715	0.000305	0.000792	-0.78735	6.770995	6.813305	6.792012	6.75467	6.591051	6.760261	6.718467	6.725538	6.758969	7.293836	7.277666	7.314391	7.03828	7.010614	7.054741	7.324882	7.311999	7.21941
CRISPLD2	ENSG00000103196	-0.70459	1.736336	-3.90738	0.001083	0.002427	-1.2625	2.609804	1.978677	2.166567	0.742604	1.087782	0.984419	1.317361	1.082132	0.925731	3.50465	3.439177	3.470739	3.125084	3.193633	3.075009	2.652661	2.726388	2.252429
TSC2	ENSG00000103197	0.533939	6.596726	9.842865	1.50E-08	1.67E-07	9.447832	5.812748	5.792378	5.920865	6.517865	6.539568	6.587624	6.122326	6.027768	6.233947	6.890512	6.954735	6.856764	7.367046	7.257095	7.285304	6.931561	7.05129	6.884817
ZNF500	ENSG00000103199	-0.0315	3.569112	-0.35552	0.726452	0.770945	-7.24032	3.373632	3.526613	3.511328	3.472378	3.709312	3.523386	2.957542	2.960209	3.498982	3.914031	4.166964	4.067404	4.024369	3.946112	3.922159	3.97313	4.07722	3.856822
NME4	ENSG00000103202	0.616751	6.923205	13.23591	1.53E-10	4.48E-09	14.22599	7.337212	7.290284	7.385946	7.928642	8.062063	7.909783	7.882143	7.808004	7.940371	5.707417	5.858184	5.85938	6.468473	6.41538	6.307655	6.218282	6.322357	6.176453
ABCC1	ENSG00000103222	0.072892	7.088084	1.109166	0.282387	0.343354	-7.20352	8.028725	8.047368	8.139034	7.868778	7.971854	8.025272	7.613016	7.574192	7.536604	6.326388	6.254406	6.338345	6.688591	6.464738	6.620005	6.13076	6.095794	6.090332
NOMO3	ENSG00000103226	-0.00127	4.488029	-0.01811	0.985754	0.988113	-7.4885	4.186225	4.342481	4.080323	4.448742	4.462952	4.427589	4.321396	4.389749	4.288067	4.933056	4.692848	4.793777	4.739835	4.657043	4.602954	4.891489	4.79479	4.918728
LMF1	ENSG00000103227	0.723535	3.52535	5.325483	5.09E-05	0.000164	1.726914	4.375799	4.533044	4.600923	5.122798	5.054916	5.183924	4.772276	4.670823	4.90124	2.056133	2.727926	2.409144	3.288992	3.065945	3.075009	2.300453	2.169028	2.252429
FOXF1	ENSG00000103241	-0.60705	-0.17476	-3.0571	0.00696	0.012794	-2.5035	4.925527	5.026283	5.014266	4.464421	4.416469	4.233737	5.021241	4.77806	4.700591	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CIAO3	ENSG00000103245	0.245261	4.828506	4.315721	0.000442	0.0011	-0.87299	4.635242	4.457599	4.739702	4.857809	4.842803	4.913508	4.737903	4.765849	4.88411	4.905504	4.796672	4.945687	5.240955	5.063124	4.989822	5.075046	5.054421	4.942519
MTHFSD	ENSG00000103248	-0.03044	4.065768	-0.35044	0.730194	0.774167	-7.29537	4.321496	4.312206	4.332993	4.171485	3.99943	3.982555	4.4712	4.212157	4.141991	3.991785	4.157244	4.087963	4.301707	4.116929	4.228211	4.088113	3.863317	3.969186
CLCN7	ENSG00000103249	0.340632	6.453707	3.550055	0.002375	0.004896	-2.76277	6.707715	6.716067	6.826905	7.270507	7.239007	7.192618	7.16775	6.977944	7.135856	6.017322	5.935567	5.983079	6.291971	6.025473	6.114114	5.747551	5.631703	5.518482
HAGHL	ENSG00000103253	0.085846	3.58979	0.48525	0.633526	0.686601	-7.04987	4.610293	4.553894	4.66702	4.103016	4.258538	4.162865	4.057185	4.040332	3.968647	2.693825	2.817048	2.992487	3.587808	3.410675	3.593499	3.281432	3.204393	2.975687
ANTKMT	ENSG00000103254	0.643453	3.746289	4.176207	0.0006	0.001439	-0.93423	3.691678	3.952741	4.087767	4.245952	4.529983	4.018682	3.388228	3.592179	3.759121	3.134522	3.269103	3.669344	4.118714	4.230476	4.160062	4.208537	3.842828	3.530388
SLC7A5	ENSG00000103257	-0.10283	10.26241	-0.88885	0.386154	0.45093	-7.65666	10.31958	10.29953	10.37105	10.58335	10.67997	10.659	10.43972	10.30781	10.38412	10.22605	10.15963	10.28544	9.793587	9.674501	9.719226	10.34675	10.25376	10.24266
METRN	ENSG00000103260	0.513601	6.035374	2.931076	0.009128	0.016268	-4.06464	6.153953	6.125763	6.260891	6.863631	7.014246	6.714188	5.54317	5.388507	5.420081	5.571821	5.70649	5.860576	6.099266	6.073301	6.086842	6.217134	6.117279	5.845233
FBXO31	ENSG00000103264	0.029283	5.171899	0.598068	0.557466	0.617177	-7.42337	5.1077	5.055819	5.05661	5.161789	5.383668	4.997371	5.162706	5.150979	5.165072	5.326119	5.276856	5.26203	5.297059	5.255884	5.236673	5.317154	5.314612	5.302602
STUB1	ENSG00000103266	0.075335	6.827459	1.154146	0.263978	0.323726	-7.15935	6.802174	6.855904	6.855533	7.044025	7.091479	7.021796	6.638736	6.612464	6.653397	6.77684	6.809485	6.947311	6.851075	6.79515	6.769611	6.897567	6.889226	6.818864
RHBDL1	ENSG00000103269	-0.31215	1.811107	-1.52322	0.145592	0.191652	-5.65206	2.109269	2.068355	2.138168	2.291228	2.398361	2.064596	1.648695	1.760835	2.087859	2.356666	2.285719	2.355887	1.797417	2.06228	1.851631	2.901634	2.784842	2.528753
NUBP1	ENSG00000103274	-0.40477	5.470655	-8.6705	9.65E-08	7.67E-07	7.670467	5.801771	5.816305	5.790077	5.388282	5.199191	5.331249	5.482179	5.58894	5.500968	5.56792	5.636504	5.708223	5.352829	5.372923	5.239034	5.410507	5.412868	5.475641
UBE2I	ENSG00000103275	-0.49298	7.219617	-12.8269	2.52E-10	6.36E-09	13.66333	7.619424	7.643891	7.663837	7.047933	7.149473	7.012868	7.432427	7.511585	7.552052	7.224295	7.199908	7.261073	6.833478	6.815972	6.797917	7.144607	7.169127	7.05635
EEF2K	ENSG00000103319	0.047573	5.082712	0.567665	0.577482	0.635632	-7.39565	5.173901	5.237561	5.134153	5.517909	5.557954	5.522662	5.32896	5.388507	5.37991	5.082702	4.86395	4.92983	4.777135	4.749998	4.677975	4.939614	4.981317	5.041309
CAPN15	ENSG00000103326	-0.21223	6.680892	-1.93185	0.069755	0.100164	-6.03747	6.841296	6.832631	6.992709	6.388234	6.550371	6.415394	6.558286	6.318523	6.466555	6.498138	6.766178	6.954607	6.742118	6.713165	6.717217	7.165588	6.948761	6.649721
PIEZO1	ENSG00000103335	0.572427	7.636746	7.878001	3.73E-07	2.37E-06	6.046589	6.901149	6.940477	7.046228	7.677712	7.781717	7.700531	7.564805	7.430752	7.457747	7.659058	7.771025	7.814404	8.266761	8.101386	8.115628	7.864521	7.841942	7.664791
GSPT1	ENSG00000103342	-0.13917	7.91827	-4.67734	0.000202	0.000549	-0.43445	8.146639	8.109424	8.129148	8.078169	7.984523	8.036879	8.062404	8.002665	8.012431	7.874903	7.851963	7.881597	7.681745	7.676439	7.716188	7.815677	7.774126	7.805496
ZNF174	ENSG00000103343	0.080993	3.795478	0.998751	0.331543	0.395193	-6.75854	4.073915	4.108838	4.087767	3.966538	3.808643	3.97338	4.205428	4.175703	3.979442	3.544892	3.554746	3.71764	3.92342	3.846002	3.849837	3.812139	3.876817	3.698167
CLUAP1	ENSG00000103351	-0.23013	4.215534	-2.66431	0.016078	0.026954	-4.2761	4.859306	4.719916	4.74442	4.281793	4.158524	4.28655	4.122591	4.09991	4.207726	4.156676	4.36574	4.382382	4.264669	4.298341	4.402656	3.900611	4.011424	4.044405
UBFD1	ENSG00000103353	0.203278	7.119266	3.833003	0.001275	0.002803	-2.23237	7.280617	7.305732	7.272939	7.653123	7.642244	7.637309	7.097643	7.114207	7.113981	6.916817	6.953332	6.925773	6.983485	7.005547	6.977648	6.823309	6.781204	6.857963
EARS2	ENSG00000103356	-0.05695	5.987182	-1.40199	0.178428	0.228894	-6.69887	6.718262	6.659473	6.665891	6.664217	6.680642	6.703131	6.772107	6.708095	6.776094	5.335326	5.389075	5.395024	5.274879	5.16532	5.301375	5.42251	5.304658	5.305663
ELOB	ENSG00000103363	-0.11807	7.228692	-2.40722	0.027376	0.043343	-5.21717	7.7243	7.64632	7.717009	7.52907	7.699985	7.521695	7.448458	7.44805	7.48167	6.970249	6.912025	6.978477	6.896576	6.85754	6.74573	6.966824	6.963861	6.792924
GGA2	ENSG00000103365	0.08106	6.341724	1.942061	0.068423	0.09843	-5.96632	6.681605	6.620472	6.531778	6.653998	6.589306	6.660892	6.526418	6.670928	6.706336	6.06929	6.054228	6.018854	6.199815	6.111532	6.220714	6.072282	6.018732	6.079643
CPPED1	ENSG00000103381	-0.24847	4.729083	-3.87794	0.001155	0.002566	-1.7755	5.2241	5.433112	5.41428	5.185634	5.044764	4.937296	5.043928	5.141559	5.015776	4.565511	4.532919	4.654613	4.376523	4.363157	4.496442	4.349322	4.094656	4.286716
USP31	ENSG00000103404	-0.50582	4.276391	-6.72129	3.10E-06	1.44E-05	4.379019	5.049495	5.237561	5.155563	4.540361	4.720591	4.859751	5.026946	5.078784	5.117003	3.798946	3.890158	4.033888	3.288992	3.338827	3.556108	3.97313	3.896833	3.922098
HMOX2	ENSG00000103415	-0.16288	6.257153	-2.70633	0.014719	0.024927	-4.54987	6.208169	6.146502	6.027288	6.112826	6.234814	6.12353	6.153955	5.999368	6.123935	6.579816	6.463081	6.537585	6.228951	6.253845	6.201469	6.559094	6.52992	6.49609
DNAJA3	ENSG00000103423	-0.39961	7.265678	-8.58613	1.11E-07	8.59E-07	7.360841	8.008339	7.961219	8.003916	7.440677	7.51933	7.540454	7.991228	8.020119	8.035888	6.815186	6.824149	6.866317	6.57745	6.476295	6.553254	6.850218	6.781204	6.706405
BFAR	ENSG00000103429	0.331887	6.328926	5.533733	3.30E-05	0.000112	1.550153	6.287428	6.368704	6.339387	6.614138	6.534135	6.63203	6.560254	6.586665	6.51001	6.106066	6.078893	6.100044	6.428844	6.509398	6.49418	5.937972	6.059258	6.109724
SALL1	ENSG00000103449	1.703674	0.504497	6.337326	6.53E-06	2.74E-05	4.054744	5.35902	5.272573	5.325763	7.004352	7.037469	7.116522	5.801308	5.789227	5.806958	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TOX3	ENSG00000103460	1.156096	-0.4698	3.428182	0.003103	0.006201	-1.9208	0.41387	0.661886	0.106501	0.635873	0.625525	0.2349	0.106501	0.622068	0.256032	1.388276	1.369793	1.219002	2.385571	2.06228	2.036756	1.970607	1.82352	1.504318
RBL2	ENSG00000103479	-0.22055	6.118927	-1.62219	0.122661	0.165269	-6.45392	6.787781	6.692755	6.701506	6.075025	5.919145	5.986596	6.309508	6.429119	6.308606	5.986972	5.981732	5.881925	6.170079	6.211726	6.196617	5.513229	5.661257	5.722348
XYLT1	ENSG00000103489	1.714916	1.293349	6.423569	5.51E-06	2.37E-05	4.215124	6.54214	6.664275	6.612701	8.316036	8.299365	8.437568	7.966948	7.833822	7.891203	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RPGRIP1L	ENSG00000103494	0.173095	4.351283	2.034071	0.05741	0.084263	-5.50011	4.473109	4.569336	4.574673	4.833866	4.782991	4.894191	4.068294	4.050434	3.968647	4.359822	4.322908	4.463295	4.441025	4.412116	4.539229	4.21775	4.227036	4.428245
MAZ	ENSG00000103495	0.074077	7.382882	0.919835	0.37018	0.434987	-7.43241	7.650962	7.628616	7.734306	7.94829	8.093796	8.018598	7.73915	7.601073	7.713501	7.087273	7.034551	7.119961	6.906829	6.862353	6.869777	7.045251	7.06536	6.940028
STX4	ENSG00000103496	0.039677	5.702682	0.34928	0.731052	0.774903	-7.63242	5.926267	5.969649	5.941555	5.499001	5.48099	5.438487	5.722633	5.743259	5.754509	5.514206	5.52188	5.63746	6.050049	6.003857	5.921732	5.70232	5.657352	5.678157
CDIPT	ENSG00000103502	0.615561	6.2627	12.56024	3.51E-10	8.22E-09	13.39384	6.157402	6.127503	6.190033	6.821637	6.98932	6.836877	6.573959	6.535438	6.537661	5.759646	5.835508	5.751395	6.346162	6.225488	6.260778	6.151341	5.984847	6.002519
BCKDK	ENSG00000103507	0.416498	5.575284	8.192799	2.16E-07	1.49E-06	6.845873	5.684757	5.666404	5.741349	5.990913	6.130685	5.942611	6.068018	5.938116	6.054173	5.104407	5.014203	5.000938	5.520882	5.481175	5.566882	5.412514	5.251241	5.362617
KAT8	ENSG00000103510	-0.11935	4.99414	-2.8202	0.011566	0.020088	-4.12447	5.160214	5.059469	5.060398	4.869634	4.998178	4.889321	4.864381	4.917048	5.041756	5.149472	5.097884	5.180139	5.045184	5.107039	5.060955	5.085149	5.054421	5.084719
NOMO1	ENSG00000103512	-0.08451	7.489772	-2.01599	0.059439	0.086892	-5.93975	8.104381	8.112941	8.109168	7.913729	7.910286	7.976166	8.091281	7.995494	8.124865	6.957634	6.844734	6.94111	6.987469	6.89168	6.896949	7.023744	6.99978	7.0949
SYT17	ENSG00000103528	1.02027	2.06176	6.24519	7.83E-06	3.21E-05	3.534604	1.286899	0.875715	0.756332	2.425456	2.155834	2.196611	0.782422	0.824004	0.629397	3.349712	3.431133	3.513924	4.25337	4.1851	4.342433	3.859998	3.910024	3.805852
TMC5	ENSG00000103534	-0.57747	2.507991	-5.28844	5.50E-05	0.000175	1.271237	1.602421	0.661886	1.30847	0.934951	0.92021	1.422231	0.548589	0.387194	0.735084	5.645844	5.551865	5.681416	5.04081	5.10974	4.972896	5.231053	5.363378	5.428683
CCP110	ENSG00000103540	-0.42937	4.823577	-8.27093	1.89E-07	1.33E-06	7.052539	4.880328	4.687262	4.840087	4.392481	4.249727	4.241401	4.591583	4.734864	4.490278	5.305186	5.419887	5.381764	4.931624	5.009177	5.082154	5.18717	5.149249	5.21089
VPS35L	ENSG00000103544	0.392203	6.194932	10.23523	8.36E-09	1.03E-07	10.12714	6.492486	6.528661	6.47472	6.928659	6.744756	6.87802	6.600985	6.520981	6.596689	5.636563	5.662504	5.624853	6.061972	6.087072	6.036143	5.6708	5.707321	5.639864
RNF40	ENSG00000103549	0.219769	7.415284	4.267359	0.000492	0.001208	-1.30317	7.083519	7.07728	7.074604	7.397428	7.470871	7.378732	7.554966	7.466086	7.543895	7.478135	7.398101	7.457145	7.577624	7.551888	7.547345	7.535258	7.543348	7.496865
KNOP1	ENSG00000103550	0.0284	6.437291	0.529916	0.602838	0.659514	-7.65283	6.506075	6.448813	6.493057	6.281638	6.317247	6.420466	6.304819	6.18505	6.211233	6.482683	6.44222	6.512708	6.648898	6.639382	6.640693	6.502735	6.545853	6.596979
AAGAB	ENSG00000103591	0.106064	6.738828	1.997196	0.061616	0.089752	-5.92721	6.813148	6.833697	6.742171	6.757855	6.644126	6.737409	6.797363	6.784223	6.751116	6.564237	6.558479	6.599036	6.811174	6.820101	6.890955	6.784308	6.834065	6.826343
IQCH	ENSG00000103599	-0.49083	2.101098	-4.05414	0.000784	0.001827	-0.99968	2.461454	2.425906	2.194417	1.688986	1.718467	1.526279	1.240874	1.082132	1.50602	3.536933	3.414909	3.360144	3.031169	3.109775	3.206318	2.968656	3.046116	2.990979
LACTB	ENSG00000103642	1.032656	4.287586	6.458846	5.15E-06	2.23E-05	3.745722	4.073915	4.12286	3.979882	4.316764	4.149079	4.264152	4.023335	4.175703	4.189248	4.054455	3.942027	4.046548	5.47622	5.412836	5.453507	4.302461	4.313961	4.286716
CSK	ENSG00000103653	0.026881	6.828358	0.333897	0.74243	0.784512	-7.78744	6.40089	6.335974	6.456147	6.414705	6.654177	6.455483	6.288287	6.308036	6.220361	7.190448	7.112699	7.256086	7.192173	7.167257	7.12856	7.562181	7.507999	7.506208
HERC1	ENSG00000103657	0.286878	5.606994	3.253784	0.004542	0.008722	-3.34956	4.965424	5.003727	4.986657	5.26388	5.465853	5.677574	5.213624	5.164994	5.247756	6.076172	6.346029	5.893651	6.219304	6.220499	6.317744	5.862149	5.733527	5.84102
TRIP4	ENSG00000103671	-0.2619	5.379388	-2.8631	0.010556	0.018526	-4.11283	5.638616	5.592753	5.511583	4.790984	4.960875	5.010886	5.208612	5.323347	5.252213	5.718015	5.638252	5.603592	5.631211	5.694099	5.652638	5.378002	5.401238	5.470195
MTFMT	ENSG00000103707	-0.37107	4.33624	-5.14396	7.45E-05	0.000228	1.01423	4.574623	4.742796	4.686762	4.263984	4.408574	4.079806	4.023335	3.946081	4.17992	4.573314	4.780934	4.750584	4.427684	4.463697	4.306856	4.410866	4.247965	4.499478
RAB11A	ENSG00000103769	0.1274	6.711244	2.281569	0.035295	0.054423	-5.42649	6.712412	6.567628	6.608825	6.538381	6.573505	6.515184	6.479338	6.450256	6.559406	6.753849	6.802487	6.794956	7.051388	7.103648	7.082621	6.885333	6.806114	6.774264
CTSH	ENSG00000103811	1.178587	4.281038	13.53743	1.07E-10	3.42E-09	14.72551	3.011517	2.636038	3.044832	3.392671	3.560502	3.419122	2.752438	3.083395	3.00245	5.230663	5.179378	5.393373	6.518101	6.625295	6.481271	5.297735	5.25383	5.157678
TTC23	ENSG00000103852	0.480433	3.297267	7.036584	1.71E-06	8.68E-06	5.056986	3.262728	3.169391	3.270929	3.533117	3.394558	3.498018	2.957542	3.160038	3.199964	3.536933	3.431133	3.451828	4.024369	4.062207	3.962731	3.439417	3.32748	3.31642
CD276	ENSG00000103855	0.335139	7.01816	4.985226	0.000104	0.000307	0.287677	6.247534	6.310164	6.280513	6.50655	6.613547	6.370669	6.456267	6.286829	6.421751	7.279597	7.340214	7.384627	7.779839	7.728766	7.736387	7.958886	7.952058	7.90067
FAH	ENSG00000103876	-0.44719	5.104167	-5.84412	1.75E-05	6.43E-05	2.368439	5.420591	5.369848	5.446484	4.681208	4.900234	4.616245	5.043928	4.922558	5.057123	5.323808	5.221963	5.46271	5.115518	5.107039	5.009321	5.373887	5.289597	5.29338
CEMIP	ENSG00000103888	-1.45991	5.500384	-4.13808	0.000653	0.001549	-1.2089	5.163648	5.164879	5.344527	3.633621	3.844198	3.991672	7.816952	7.767241	7.787535	5.855556	5.858184	5.792059	4.272153	4.390067	4.27038	6.359205	6.270882	6.264029
RPAP1	ENSG00000103932	-0.39601	5.781011	-5.44374	3.98E-05	0.000132	1.441627	6.371495	6.347962	6.401937	5.821673	5.830334	5.596232	6.127646	6.040494	5.994232	5.709189	5.667648	5.670552	5.57332	5.430226	5.517157	5.537346	5.377692	5.539435
HOMER2	ENSG00000103942	0.458559	3.326863	4.655373	0.000212	0.000573	-0.00476	2.568952	2.356396	2.681399	2.393052	2.155834	2.098749	2.102195	2.108984	2.047395	4.404248	4.483212	4.434686	4.975836	5.01783	5.068941	4.84468	4.891066	4.882289
EHD4	ENSG00000103966	-0.28783	5.800514	-5.05935	8.91E-05	0.000267	0.592975	5.689529	5.727328	5.638658	5.375899	5.561519	5.428451	5.760796	5.633301	5.534291	6.063762	6.087875	6.143905	5.842013	5.794873	5.726866	6.363362	6.279802	6.243427
TMEM87A	ENSG00000103978	0.265564	7.227693	4.31652	0.000442	0.001098	-1.18277	6.968467	6.94443	6.931968	7.055717	7.018142	7.033983	7.227193	7.237598	7.300928	7.211227	7.173631	7.226257	7.614891	7.598783	7.617089	7.344466	7.340291	7.433916
ZNF106	ENSG00000103994	-0.27831	6.62847	-3.89947	0.001102	0.002464	-2.04383	6.805475	6.867402	6.860974	6.238973	6.315137	6.491278	6.697156	6.720802	6.603683	6.820933	6.821843	6.646934	6.616927	6.605339	6.763063	6.634128	6.519199	6.555153
CEP152	ENSG00000103995	-0.79095	3.303813	-4.52424	0.000281	0.000737	-0.06256	3.325391	3.335139	2.933559	3.162124	3.295295	3.459109	3.258446	3.431409	3.421943	3.962373	4.087306	4.046548	2.791825	2.811056	3.042931	3.951202	3.948889	3.906054
ATP8B4	ENSG00000104043	-0.2089	0.482537	-0.73297	0.473295	0.53663	-5.99937	3.128595	3.027527	3.133821	3.041869	3.012388	2.980206	3.941119	3.868266	4.021828	0.415169	0.398185	0.34382	0.171976	0.484926	0.186984	0.326864	0.637375	0.315289
DTWD1	ENSG00000104047	0.385598	4.898529	4.191615	0.00058	0.0014	-0.99254	5.812748	5.936292	5.778624	6.331652	6.145011	6.286123	6.522384	6.510042	6.453066	3.688323	3.569479	3.567612	3.735884	3.987816	3.933868	3.749992	3.698248	3.716682
GABPB1	ENSG00000104064	-0.13706	5.552693	-2.71753	0.014376	0.024413	-4.41516	5.45743	5.520446	5.576519	5.416768	5.47722	5.461637	5.774426	5.746369	5.770134	5.625347	5.590297	5.760389	5.50509	5.399654	5.505435	5.664076	5.647541	5.617869
TJP1	ENSG00000104067	-0.15982	7.560792	-1.26594	0.222148	0.277646	-7.10197	7.694936	7.67158	7.732526	6.959414	6.943612	6.980033	7.154781	7.050203	7.137062	7.862219	7.853092	7.832793	8.134179	8.147458	8.179725	7.596137	7.620606	7.691363
BMF	ENSG00000104081	1.87898	3.48283	6.233182	8.02E-06	3.28E-05	3.290301	2.996191	2.935191	3.133821	2.688367	2.811499	2.374422	2.226405	2.540248	2.530983	4.261822	4.097507	4.029643	6.533753	6.468951	6.514791	3.324713	3.116085	3.228839
DMXL2	ENSG00000104093	0.172027	5.458236	2.499175	0.022671	0.036668	-4.78502	6.040867	6.002253	6.156798	6.434742	6.223609	6.443905	6.106247	6.194191	6.089476	4.839091	5.038233	4.776148	4.883573	4.894826	4.860827	4.647431	4.660745	4.637057
DNAJC17	ENSG00000104129	-0.02242	3.655872	-0.24548	0.808943	0.841436	-7.26781	3.944154	3.838426	3.863273	3.472378	3.588725	3.523386	3.258446	3.724251	3.323715	3.805587	3.890158	3.896118	4.041988	4.084346	3.979775	3.854102	3.942484	3.848451
EIF3J	ENSG00000104131	-0.49579	7.674969	-9.62305	2.11E-08	2.18E-07	9.047957	8.268854	8.213419	8.225092	7.637647	7.500884	7.626375	8.241147	8.27291	8.194845	7.493124	7.383585	7.481824	7.104757	7.134477	7.091142	7.484635	7.444823	7.486787
SPG11	ENSG00000104133	0.613966	5.850132	13.09084	1.82E-10	5.06E-09	14.11632	6.193126	6.104721	6.1372	6.677732	6.657512	6.655165	6.207692	6.219034	6.176476	5.131086	5.231258	5.062485	5.857021	5.832965	5.799062	5.338427	5.152027	5.365554
RHOV	ENSG00000104140	0.04334	4.64295	0.517182	0.611513	0.667518	-7.41255	4.059241	3.944869	3.955676	4.367681	4.470555	4.531264	4.023335	4.238905	4.093134	5.180457	5.247382	5.313568	5.134119	5.101623	5.071593	5.306398	5.329416	5.332922
VPS18	ENSG00000104142	0.032469	5.845068	0.754245	0.460744	0.524277	-7.41664	5.910002	5.91429	5.970031	6.004384	6.084358	5.894815	5.891633	5.929932	6.059269	5.863533	5.732906	5.846165	5.817926	5.811559	5.832286	5.70396	5.695942	5.713156
OIP5	ENSG00000104147	-1.10342	1.976762	-3.34458	0.003726	0.007302	-2.19785	2.392887	1.947501	2.138168	1.933905	2.366112	2.581827	3.258446	3.141256	3.254305	2.392392	2.485369	2.796562	1.054048	0.784432	1.355599	2.924322	3.104657	2.944608
SLC30A4	ENSG00000104154	1.562414	1.782778	10.56579	5.16E-09	7.02E-08	10.93734	1.959273	1.978677	1.888281	3.54791	3.560502	3.321269	2.637802	2.290412	2.274723	1.199504	1.672391	1.333627	2.24051	2.307842	2.23906	1.759719	1.82352	1.665483
BLOC1S6	ENSG00000104164	-0.04585	5.94176	-1.12312	0.276578	0.337096	-7.05693	6.403797	6.322368	6.356437	6.316613	6.243717	6.34422	6.318841	6.438765	6.419771	5.473087	5.617135	5.613553	5.485908	5.538426	5.596651	5.70232	5.595419	5.615405
MYEF2	ENSG00000104177	-0.18117	4.78462	-2.81603	0.011669	0.020252	-4.02744	5.35902	5.597782	5.369174	5.424805	5.235346	5.30954	5.36994	5.335791	5.500968	4.425958	4.540416	4.421787	4.195506	4.24529	4.228211	4.285035	4.123255	4.190648
SGK3	ENSG00000104205	-0.12652	1.993857	-0.89352	0.383717	0.448451	-6.5218	2.021155	2.283367	2.423483	2.143217	2.078331	2.196611	1.648695	1.367163	1.674905	2.790717	2.753956	2.671369	2.591031	2.549802	2.76998	2.479639	2.868308	2.912845
PDGFRL	ENSG00000104213	1.778048	1.912956	8.530131	1.22E-07	9.28E-07	7.905259	2.483604	2.448351	2.641489	4.440838	4.110665	4.420855	3.238915	3.351955	3.124172	1.158593	0.748206	1.094478	1.498836	1.970168	1.667532	1.387593	1.67689	1.504318
CSPP1	ENSG00000104218	0.223939	4.580928	2.956713	0.00864	0.015473	-3.77089	4.158957	4.281283	4.326715	4.350907	4.284653	4.499659	4.6145	4.690335	4.633836	4.799721	4.692848	4.806238	5.003078	4.997558	5.071593	4.829736	4.870969	4.661156
ZDHHC2	ENSG00000104219	0.627232	3.792961	5.945324	1.42E-05	5.40E-05	2.903783	3.810347	3.829904	3.698006	4.59836	4.607895	4.604407	4.445869	4.644388	4.613192	3.42926	3.126946	3.393562	3.669424	3.614588	3.615478	3.366734	3.537548	3.660409
BRF2	ENSG00000104221	-0.2373	4.315844	-4.11428	0.000688	0.001624	-1.2014	4.516725	4.649014	4.429894	4.325376	4.071202	4.210498	4.235306	4.421231	4.388669	4.485065	4.467566	4.503642	4.376523	4.255082	4.351192	4.473742	4.473517	4.370952
TRIM35	ENSG00000104228	-0.19458	4.658964	-2.97804	0.008253	0.014866	-3.71041	4.867751	4.897622	5.033667	4.540361	4.668652	4.713128	4.681143	4.837607	4.849226	4.557665	4.591835	4.714017	4.595172	4.407733	4.543056	4.805497	4.829917	4.775955
ZFAND1	ENSG00000104231	-0.38371	6.083952	-4.86304	0.000135	0.000387	0.119023	5.866415	5.891946	5.869964	5.245847	5.138434	5.127141	5.701383	5.856983	5.88653	6.716459	6.70578	6.676421	6.454562	6.530717	6.546597	6.581571	6.642869	6.493409
CA2	ENSG00000104267	1.50716	1.469209	5.540295	3.25E-05	0.000111	2.545322	6.127821	6.177063	6.078628	7.641963	7.631262	7.668911	7.278316	7.209698	7.291214	0.106501	0.106501	0.16959	0.171976	0.106501	0.186984	0.257084	0.19538	0.106501
FZD3	ENSG00000104290	1.243992	4.429041	4.443201	0.000335	0.000861	-0.47106	3.041689	3.428416	3.39613	5.775282	5.654575	5.825123	4.512454	4.474723	4.380548	4.399867	4.353024	4.205521	4.470601	4.645922	4.681452	4.630284	4.747809	4.488745
INTS9	ENSG00000104299	0.324032	4.342955	2.972649	0.008349	0.015016	-3.72872	4.006674	3.872022	4.153091	3.605613	3.820593	3.91707	3.976929	3.89093	4.235006	4.607916	4.793538	4.732417	5.227545	5.238714	5.290032	4.694387	4.699246	4.784756
RIPK2	ENSG00000104312	0.172299	5.611378	0.93916	0.360447	0.425163	-7.24252	5.761547	5.729621	5.636121	5.286108	4.960875	4.960699	5.578564	5.58894	5.693539	5.573767	5.60646	5.613553	6.333699	6.292394	6.329981	5.591509	5.605589	5.423057
EYA1	ENSG00000104313	1.545248	0.176228	16.22625	5.61E-12	4.14E-10	17.75349	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	4.065562	4.147458	4.059098	5.582379	5.65765	5.553662	3.818209	3.948889	3.734962
NBN	ENSG00000104320	-0.1104	7.12097	-1.25499	0.226004	0.281872	-7.05929	7.306476	7.290284	7.290787	6.857706	6.869341	6.925177	7.323059	7.463253	7.408676	6.938881	7.014503	7.069163	7.139953	7.162062	7.184765	7.055565	6.987387	7.084245
CPQ	ENSG00000104324	0.704469	3.49559	5.087368	8.40E-05	0.000253	1.069595	2.949211	2.90305	2.794903	4.199863	4.020303	4.202668	3.19904	3.083395	3.271973	3.622156	3.647924	3.769472	4.006532	4.005327	4.035179	3.762638	4.065478	3.788453
DECR1	ENSG00000104325	0.541806	5.559528	7.423464	8.39E-07	4.72E-06	5.496642	6.526223	6.475012	6.450384	6.892894	6.860687	6.860709	6.443525	6.567448	6.456933	4.271447	4.274276	4.478947	5.051722	5.082502	5.136365	4.406844	4.288934	4.280507
BPNT2	ENSG00000104331	1.010039	7.862305	7.060303	1.64E-06	8.36E-06	4.530332	7.442027	7.38641	7.409901	9.023971	8.924114	9.02673	8.571473	8.571866	8.56189	7.074271	7.122722	7.035688	7.459677	7.497243	7.524295	7.665955	7.641023	7.709965
LAPTM4B	ENSG00000104341	0.527137	8.327756	8.222115	2.05E-07	1.43E-06	6.628442	7.86752	7.865434	7.844423	8.703532	8.574954	8.649693	8.356654	8.404749	8.35883	8.223128	8.19075	8.180714	8.472009	8.505555	8.500766	8.461752	8.395633	8.428365
UBE2W	ENSG00000104343	-0.18774	5.41888	-2.14576	0.046208	0.069227	-5.50606	5.060589	5.178369	5.284248	4.892995	4.900234	4.913508	5.360933	5.420016	5.605699	5.898118	5.798468	5.844958	5.74853	5.710205	5.647313	5.548343	5.655395	5.708538
POP1	ENSG00000104356	-0.984	5.654422	-16.2084	5.71E-12	4.19E-10	17.67278	5.849458	5.969649	5.935379	4.701197	4.7142	4.894191	5.913358	5.71813	5.643517	6.261458	6.11449	6.249882	5.375589	5.277664	5.420597	6.118515	6.059258	6.125399
NIPAL2	ENSG00000104361	0.675243	3.96931	11.25997	1.94E-09	3.15E-08	11.82242	3.300651	3.209365	3.322321	3.921807	3.747367	3.878271	3.238915	2.871824	2.937508	4.545816	4.525382	4.518865	5.113436	5.238714	5.246096	4.496632	4.584635	4.661156
IKBKB	ENSG00000104365	0.204435	5.559968	3.763148	0.001487	0.003219	-2.23826	5.37392	5.224615	5.217952	5.657452	5.661235	5.628736	5.038289	5.164994	4.90124	5.907408	5.929869	5.968739	6.05331	6.018303	5.994819	5.566486	5.716735	5.635005

PLAT	ENSG00000104368	0.459938	5.201708	2.789003	0.012359	0.021331	-4.27466	4.165822	4.043996	3.979882	5.299283	5.458224	5.37022	4.235306	4.040332	4.261781	5.824834	5.835508	5.907597	5.891445	5.941552	5.952276	6.087439	6.08129	6.109724
JPH1	ENSG00000104369	-0.45942	2.169784	-4.68746	0.000197	0.000539	0.119123	1.286899	1.465573	1.202741	1.022291	1.373859	0.461789	1.074544	0.622068	0.629397	4.905504	4.784095	4.806238	4.359059	4.472117	4.444184	4.345124	4.25315	4.249053
STK3	ENSG00000104375	-0.3442	5.632217	-5.38599	4.48E-05	0.000147	1.313443	5.533718	5.523092	5.477985	5.122798	5.003429	4.979151	5.668911	5.599299	5.537947	6.097974	6.029133	6.111135	5.79473	5.823124	5.854018	5.932386	5.851038	5.991156
GDAP1	ENSG00000104381	0.240869	4.539743	2.75933	0.013161	0.022549	-4.30003	3.385444	3.494617	3.148134	3.988393	3.967543	3.907468	2.752438	2.960209	2.798137	5.845924	5.911195	5.846165	6.010325	5.956632	6.064381	5.760217	5.811165	5.767446
RAB2A	ENSG00000104388	0.364475	7.138571	10.22209	8.53E-09	1.04E-07	10.00611	6.901149	6.969865	6.913236	7.354948	7.261097	7.372638	7.022527	7.145174	7.156216	6.981288	7.037203	7.085614	7.333905	7.353107	7.401597	7.117174	7.099586	7.179089
EIF3E	ENSG00000104408	-0.14694	9.084829	-2.01067	0.060048	0.087683	-6.0815	9.349909	9.375044	9.341896	9.000637	8.886951	8.927189	9.011382	9.117833	9.068746	9.119224	9.093626	9.096675	9.167728	9.226002	9.216525	8.830358	8.834884	8.912051
EMC2	ENSG00000104412	0.031216	5.928199	0.574441	0.572989	0.631859	-7.56853	5.797357	5.963819	5.8172	5.930104	6.015855	5.867836	5.539183	5.839612	5.605699	6.028718	6.135682	6.129102	6.050049	6.111532	6.139617	5.988637	6.060737	6.127131
ESRP1	ENSG00000104413	-0.04326	2.518014	-0.43263	0.670578	0.720202	-7.63273	0.814199	0.316291	0.598525	0.106501	0.25478	0.461789	0.106501	0.106501	0.256032	7.485391	7.504948	7.53894	7.511975	7.539923	7.434938	7.626721	7.5407	7.650417
NDRG1	ENSG00000104419	-1.03373	5.141029	-7.60443	6.05E-07	3.56E-06	5.902711	6.570874	6.51011	6.453268	5.294904	5.367468	5.302231	5.891633	5.737018	5.773239	4.525848	5.05665	4.586891	3.974777	3.964133	3.939687	4.814634	4.949728	4.708177
ZC2HC1A	ENSG00000104427	-0.11236	3.415446	-1.43779	0.168157	0.217279	-6.27279	3.041689	2.870177	3.013906	3.142765	2.926537	3.216292	2.957542	3.102941	3.104585	4.368817	4.247042	4.205521	4.015478	4.13825	4.067427	3.7814	3.923096	3.922098
IL7	ENSG00000104432	-0.57738	0.77499	-3.52864	0.002489	0.005104	-1.80669	1.430644	1.226787	1.028027	1.022291	0.512209	0.657796	1.074544	0.824004	0.833554	2.37464	2.267764	2.038602	2.009285	1.921808	1.775589	2.283004	2.212266	2.326628
ARMC1	ENSG00000104442	-0.65763	6.121456	-14.0822	5.65E-11	2.14E-09	15.28613	6.39067	6.480468	6.409383	5.724097	5.732536	5.738416	6.341911	6.284691	6.262951	6.391835	6.426122	6.508901	5.857021	5.796551	5.829155	6.092456	6.101554	6.207877
TRPS1	ENSG00000104447	0.251149	1.430093	2.729807	0.014008	0.023849	-4.28677	0.318509	0.316291	0.106501	0.52061	0.25478	0.461789	0.106501	0.253663	0.106501	5.691372	5.763659	5.702902	5.878019	5.910909	6.027972	5.365622	5.289597	5.243178
SPAG1	ENSG00000104450	-0.10736	5.558469	-0.89495	0.382971	0.447617	-7.23221	5.665509	5.680694	5.618241	5.5623	5.342823	5.578188	6.257073	6.227963	6.157591	5.481405	5.423946	5.539356	5.441792	5.334185	5.44535	5.184823	5.360979	5.326909
CHRAC1	ENSG00000104472	-0.01858	5.466804	-0.42037	0.679335	0.727775	-7.6075	4.846543	4.715296	4.879222	4.881362	4.7142	4.756563	4.998191	4.843429	4.758139	6.239558	6.134444	6.213856	6.128422	6.229218	6.192968	6.116053	6.241181	6.18146
NCALD	ENSG00000104490	0.404961	2.087914	1.905317	0.073325	0.10472	-5.53473	0.318509	0.736739	0.598525	2.103714	2.193078	1.956998	0.548589	0.915275	0.629397	4.261822	4.256177	4.096105	4.444342	4.390067	4.242405	4.552316	4.580516	4.597643
SNX16	ENSG00000104497	0.043993	3.625728	0.726153	0.477358	0.540978	-7.17788	2.762544	2.61635	2.848472	2.714828	2.71237	2.924168	2.480375	2.777669	2.616448	5.057888	4.890593	4.976888	4.975836	4.979952	5.079521	4.426844	4.563921	4.557121
UBR5	ENSG00000104517	0.120604	7.433541	1.723205	0.102496	0.140871	-6.44783	6.929665	7.007196	7.052899	7.297019	7.233432	7.464726	7.215998	7.23317	7.273781	7.770165	7.906287	7.612803	7.701627	7.669592	7.735133	7.639204	7.621107	7.597701
GSDMD	ENSG00000104518	0.686743	3.925213	11.51331	1.38E-09	2.42E-08	12.08645	2.296082	1.81559	2.018628	2.291228	2.366112	2.132113	2.303642	2.029503	1.962896	5.740714	5.76526	5.90644	6.575939	6.507352	6.479275	6.114821	6.091458	5.944791
GFUS	ENSG00000104522	0.649153	6.78796	9.728348	1.79E-08	1.91E-07	9.242367	5.628712	5.523092	5.46661	6.402548	6.618689	6.388035	5.850398	5.755661	5.813006	7.464038	7.387228	7.479881	7.935822	7.917856	7.907963	7.665955	7.662129	7.610134
PYCR3	ENSG00000104524	0.32521	5.093817	3.364296	0.003568	0.007019	-3.06544	4.102823	4.12286	3.947516	4.765896	5.049849	4.72957	3.928981	4.080322	3.990155	5.81005	5.931296	6.036943	6.087648	6.046769	6.067042	5.966946	6.039887	5.91904
EEF1D	ENSG00000104529	-0.19735	8.71484	-4.1525	0.000632	0.001506	-1.64918	8.783909	8.765691	8.820243	8.411135	8.560331	8.347673	8.55083	8.54443	8.560094	8.859476	8.861375	8.902151	8.862026	8.791787	8.784786	8.843996	8.867791	8.813624
SQLE	ENSG00000104549	0.04401	6.225825	0.553902	0.586663	0.644144	-7.62394	5.845187	5.90823	5.808216	6.286057	6.230343	6.217839	5.943836	5.78015	5.748211	6.603825	6.668631	6.634409	6.486279	6.417562	6.40235	6.477068	6.506228	6.464943
SH2D4A	ENSG00000104611	0.146518	6.389253	1.283955	0.215918	0.270691	-6.92568	6.662315	6.65224	6.628099	6.894342	6.730577	6.756255	7.215998	7.184693	7.211053	6.030136	5.948304	5.927126	6.160029	6.103425	6.029337	5.715389	5.740928	5.756303
INTS10	ENSG00000104613	-0.07383	5.420666	-0.78229	0.444516	0.508819	-7.30152	6.003031	5.981241	5.86564	6.100335	6.064398	6.029279	5.578564	5.730749	5.515873	5.112462	5.097884	5.147212	4.876225	4.882244	4.851597	5.18717	5.101177	5.098903
ERI1	ENSG00000104626	-0.93035	4.926136	-19.2088	3.41E-13	5.01E-11	20.53985	5.397444	5.413282	5.452263	4.584077	4.392653	4.480358	4.998191	5.183472	5.021009	5.283944	5.355466	5.324005	4.369563	4.509412	4.496442	5.069967	5.140881	5.098903
SLC39A14	ENSG00000104635	-0.18907	6.947308	-5.57929	3.00E-05	0.000103	1.595283	7.293213	7.326328	7.281079	7.05183	7.034907	7.093417	7.324218	7.365493	7.335997	6.709395	6.619923	6.727764	6.56912	6.575365	6.502067	6.86422	6.780307	6.818864
MTMR9	ENSG00000104643	-0.36825	4.462114	-3.91683	0.001061	0.002382	-1.54574	5.696657	5.76358	5.69823	5.16659	5.029402	5.276352	5.515028	5.606164	5.392079	3.536933	3.668598	3.707046	3.623353	3.583837	3.6725	3.530961	3.659719	3.650813
LEPROTL1	ENSG00000104660	0.471422	5.83551	6.869703	2.34E-06	1.14E-05	4.330272	5.310279	5.396065	5.350729	6.01507	5.913577	6.009218	6.073542	6.128954	5.991568	5.669698	5.807818	5.733237	6.02701	6.062189	6.125647	5.909826	6.001889	5.987349
DCTN6	ENSG00000104671	-0.31773	4.622044	-5.62685	2.72E-05	9.43E-05	2.024396	5.064268	4.913842	4.831244	4.694564	4.641964	4.639633	4.889651	4.80814	4.989319	4.674725	4.679329	4.750584	4.480326	4.385617	4.247105	4.492842	4.584635	4.510131
R3HCC1	ENSG00000104679	-0.04804	5.092896	-0.99244	0.334526	0.398249	-7.09897	4.929567	5.007511	4.892035	4.88719	4.86605	4.956049	4.825625	4.976535	4.940438	5.35583	5.240494	5.339521	5.242861	5.301484	5.253122	5.546516	5.469653	5.425873
GSR	ENSG00000104687	0.319133	7.546197	3.861846	0.001197	0.002647	-2.18797	7.237276	7.323296	7.223109	7.87539	7.940714	7.813454	8.204486	8.205008	8.192527	7.198669	7.10766	7.228573	7.214681	7.19804	7.222249	7.57568	7.59071	7.628584
TNFRSF10/	ENSG00000104689	-1.07736	5.780587	-14.687	2.86E-11	1.31E-09	16.02361	6.364052	6.403582	6.389943	5.185634	5.296516	5.179942	5.973684	5.913422	5.819027	6.106066	6.159004	6.122141	5.304378	4.944083	5.236673	6.088695	6.091458	5.983532
UBXN8	ENSG00000104691	-0.38805	4.599509	-7.24768	1.16E-06	6.22E-06	5.284917	5.233934	5.214829	5.217952	4.803367	4.877535	4.979151	5.032629	5.132077	5.005251	4.451587	4.51019	4.554757	4.080861	4.116929	4.088533	4.258497	4.065478	4.305185
PPP2CB	ENSG00000104695	0.003997	7.132252	0.126314	0.900925	0.918626	-7.85782	7.03466	6.965008	6.970733	6.996285	6.949065	6.99711	7.008177	6.948536	6.953539	7.265217	7.277666	7.251081	7.27785	7.286635	7.276709	7.402683	7.328058	7.383386
ERICH1	ENSG00000104714	0.202943	3.4044	1.892705	0.075079	0.106913	-5.47426	3.919992	3.838426	3.854572	3.633621	3.6964	3.926609	3.617275	3.550079	3.628063	3.155466	3.348126	3.290894	3.675081	3.576046	3.824901	3.073871	3.287607	2.863849
TUSC3	ENSG00000104723	0.655184	7.271776	5.013118	9.83E-05	0.000292	0.354154	7.062519	7.10315	7.079279	8.246889	8.241655	8.303053	7.595845	7.594184	7.589523	6.884252	6.852284	6.885235	6.988037	6.972543	7.026312	6.898284	6.885891	6.866279
ARHGEF10	ENSG00000104728	0.53742	4.885831	6.848078	2.44E-06	1.18E-05	4.531538	5.391599	5.361002	5.372225	5.941353	5.859584	5.956646	6.132946	6.171229	6.236199	3.838337	3.780465	3.794706	4.290695	4.200384	4.284167	4.226905	4.211138	3.984547
KLHDC4	ENSG00000104731	-0.23342	5.60715	-3.74587	0.001545	0.003331	-2.26504	5.779563	5.651972	5.656289	5.092847	5.244245	5.401341	5.356409	5.435516	5.367637	5.855556	5.98997	5.880747	5.876792	5.752296	5.838529	5.809801	5.722354	5.769665
MCM4	ENSG00000104738	-1.46213	7.473628	-6.389	5.90E-06	2.51E-05	3.212523	7.08985	7.017553	7.081145	6.569526	6.603208	6.694781	6.828732	6.934968	6.838194	8.78415	8.755235	8.791652	6.630092	6.722017	6.731544	8.893524	8.88939	8.850245
KCTD9	ENSG00000104756	-0.43733	5.588437	-6.91279	2.16E-06	1.06E-05	4.495228	6.099415	6.305561	6.232628	5.85774	6.010649	5.840343	6.182352	6.4233	6.371418	5.223242	5.329736	5.310072	4.670733	4.770624	4.775553	5.353134	5.193075	5.243178
FGL1	ENSG00000104760	0.577229	-0.90534	0.896352	0.382245	0.446914	-5.78281	1.719036	2.068355	1.744977	2.97776	2.835252	3.292047	1.588238	2.069791	1.918715	0.415169	0.330605	0.230035	0.106501	0.106501	0.106501	0.106501	0.19538	0.315289
ASAH1	ENSG00000104763	0.434818	7.72874	2.895229	0.009856	0.017439	-4.2957	7.24378	7.210458	7.137826	8.115888	7.949583	7.997821	8.044233	7.97906	8.026161	7.892943	7.811481	7.823934	7.896413	7.954	7.908704	7.35755	7.449348	7.447836
BNIP3L	ENSG00000104765	1.239741	5.589006	11.67888	1.10E-09	2.04E-08	12.26956	4.309146	4.108838	4.1812	5.768983	5.690831	5.637476	5.218618	5.164994	5.131593	5.29814	5.638252	5.359952	6.48869	6.500165	6.485255	6.755339	6.803465	6.721381
MAN2B1	ENSG00000104774	1.044118	5.037833	14.2121	4.87E-11	1.92E-09	15.55241	4.892796	4.826575	4.974661	5.969096	6.142633	5.944959	5.63569	5.6164	5.636714	4.281009	4.228596	4.264509	5.121745	5.093459	5.222422	4.720549	4.600995	4.38838
KCNN4	ENSG00000104783	0.422301	6.139336	3.476922	0.002789	0.005642	-2.91972	6.287428	6.172014	6.330002	6.34865	6.559313	6.252385	5.697811	5.679597	5.822029	5.745902	5.8294	5.905282	6.572912	6.450959	6.436704	6.217134	6.357688	6.228989
NUCB1	ENSG00000104805	0.815956	7.821181	14.39715	3.95E-11	1.66E-09	15.53859	7.422812	7.41233	7.505407	8.180207	8.305224	8.202593	7.91559	7.780198	7.88404	7.524154	7.441294	7.521286	8.376074	8.331962	8.289459	7.59702	7.649404	7.564227
GYS1	ENSG00000104812	0.251548	5.629155	3.151306	0.005676	0.010654	-3.53926	5.689529	5.701866	5.592306	5.904469	5.960231	5.982028	5.444307	5.388507	5.519576	5.430762	5.415817	5.558634	5.679852	5.755749	5.643753	5.83696	5.697845	5.663916
CGB2	ENSG00000104818	0.459099	-1.4331	1.540231	0.141413	0.18685	-5.24245	0.216396	0.215206	0.106501	0.106501	0.389229	0.106501	0.269385	0.106501	0.256032	1.073118	1.152172	0.993481	1.446877	1.495836	1.247156	1.177011	1.289746	1.504318
ECH1	ENSG00000104823	-0.04999	2.550761	-0.19161	0.850257	0.876345	-6.44924	6.619196	6.690403	6.721982	6.551287	6.618689	6.589126	6.575907	6.526419	6.589661	0.415169	0.583785	0.449284	0.656707	1.032323	0.651457	0.326864	0.433238	0.214669
HNRNPL	ENSG00000104824	-0.148	6.976177	-2.43328	0.025957	0.041395	-5.15801	6.832694	6.778297	6.811251	6.554953	6.52686	6.58612	6.995138	7.129773	7.045009	7.23171	7.125841	7.230886	7.13329	7.148336	7.098314	7.138555	7.236125	7.183255
NFKBIB	ENSG00000104825	0.643433	4.6874	5.875995	1.64E-05	6.09E-05	2.552107	4.880328	4.774231	4.950366	5.213737	5.36339	4.983728	5.066264	5.160337	5.193163	3.812196	3.824119	4.167389	4.838914	4.801021	4.920894	4.619897	4.584635	4.299055
TUBB4A	ENSG00000104833	3.788734	0.33493	7.277204	1.10E-06	5.94E-06	5.684369	2.245129	2.283367	2.300736	6.168929	6.010649	5.961294	3.814892	3.578282	3.844255	0.190076	0.185134	0.106501	0.234608	0.190544	0.263213	0.183756	0.433238	0.315289
SARS2	ENSG00000104835	0.132028	1.030293	0.647842	0.525506	0.58695	-6.36921	1.336422	1.420874	1.256574	1.791994	1.817192	1.475193	1.966276	1.85606	1.620777	1.91588	1.827525	1.538714	1.336984	1.681564	1.923865	1.571317	1.645686	1.370407
SNRNP70	ENSG00000104852	-0.15209	7.032765	-3.20742	0.005024	0.009539	-3.59273	7.182472	7.172201	7.24158	6.884177	6.982688	6.928742	6.718467	6.714463	6.76989	7.12559	7.294945	7.24743	7.183765	7.143072	7.18599	7.001911	7.077103	6.941013
CLPTM1	ENSG00000104853	0.363645	7.19889	5.670676	2.49E-05	8.72E-05	1.748	6.819693	6.784926	6.863145	7.430734	7.421707	7.379601	7.150867	7.100902	7.165698	7.185365	7.159703	7.363281	7.465809	7.39301	7.356633	7.291457	7.263362	7.1682
RELB	ENSG00000104856	-0.01605	4.878736	-0.07833	0.938457	0.949591	-7.52354	5.51233	5.622666	5.693359	4.540361	5.008661	4.690911	5.136557	5.108097	5.238799	4.30932	4.394983	4.32811	5.102982	5.020703	5.087406	4.739863	4.641102	4.577525
CLASRP	ENSG00000104859	-0.1827	4.94275	-2.27233	0.035954	0.055296	-5.19807	4.969353	4.796272	5.176661	4.359318	4.58706	4.67402	4.765467	4.771967	4.849226	5.172773	5.224293	5.408164	5.265535	5.206274	5.264758	5.141909	5.187669	5.022829
LIN7B	ENSG00000104863	-0.37563	2.025894	-3.20202	0.005084	0.009644	-2.66317	2.461454	2.513665	2.514675	1.933905	2.193078	1.714252	2.01302	2.069791	2.408535	2.749986	2.531245	2.745712	2.504718	2.467968	2.589286	2.448672	2.37332	2.226823
PPP1R37	ENSG00000104866	0.443	5.025719	6.669012	3.43E-06	1.58E-05	3.996595	4.333741	4.299916	4.363979	4.647264	4.860273	4.849758	4.552561	4.175703	4.032233	5.43719	5.568461	5.728007	6.02922	6.008206	5.970866	5.62479	5.554003	5.326909
FCGRT	ENSG00000104870	1.093455	2.99247	13.31068	1.40E-10	4.20E-09	14.52611	1.336422	1.374745	1.358564	2.063099	1.953662	1.367251	1.966276	1.605065	1.777424	4.517783	4.521599	4.497508	5.610696	5.552391	5.677227	4.847651	4.843731	4.793504
PIH1D1	ENSG00000104872	0.005479	6.11193	0.149071	0.883204	0.904543	-7.77395	5.316463	5.263109	5.194009	5.294904	5.399687	5.280077	5.310366	5.420016	5.321722	6.998053	6.953332	6.997076	6.976057	6.925798	6.966291	6.982449	6.983493	6.880718
ARHGEF18	ENSG00000104880	0.056484	1.910818	0.457918	0.652653	0.70369	-6.84599	1.561356	2.039077	1.744977	1.182548	1.953662	2.098749	1.648695	1.605065	1.564539	2.943032	3.002186	2.86487	3.074617	2.962168	2.98783	2.831347	2.770449	2.570068
PPP1R13L	ENSG00000104881	0.383493	4.255538	2.827079	0.011398	0.01983	-4.13955	3.562366	3.439663	3.511328	2.791417	2.660129	2.904994	2.637802	2.451551	2.440135	5.491736	5.544427	5.720126	6.280885	6.116912	6.12437	5.814363	5.8459	5.470195
PEX11G	ENSG00000104883	0.168918	0.956184	0.577077	0.571247	0.63023	-6.47592	2.109269	1.947501	2.109199	1.182548	1.164793	1.123626	1.074544	1.15884	1.314712	1.388276	1.529011	1.631268	2.28558	2.169719	2.416453	1.599785	1.289746	1.370407
ERCC2	ENSG00000104884	0.364657	5.507332	3.854239	0.001217	0.002688	-2.00844	5.197545	5.275715	5.277754	5.320976	5.407631	5.191857	5.559008	5.492201	5.541593	5.43719	5.4757	5.606445	6.112876	6.011098	6.073672	5.643712	5.487362	5.612936
DOT1L	ENSG00000104885	-0.4619	5.866883	-6.74168	2.98E-06	1.40E-05	4.046883	5.655787	5.649552	5.899874	5.396478	5.49597	5.349094	5.356409	5.117737	5.363523	6.476454	6.595838	6.675742	6.090826	6.018303	6.059045	6.403278	6.319888	6.159635
PLEKHJ1	ENSG00000104886	0.162205	5.219903	2.272196	0.035964	0.0553	-5.25914	5.350006	5.234335	5.234814	5.082724	5.274966	5.151751	4.751751	4.765849	4.825493	5.33073	5.351209	5.365015	5.741807	5.67599	5.627622	5.367692	5.322033	5.227124
RNASEH2A	ENSG00000104889	-1.52265	4.620544	-21.0841	7.14E-14	1.64E-11	22.02673	5.523064	5.460976	5.573871	4.132759	4.310303	4.210498	5.152303	5.233099	5.121883	4.977839	4.953722	5.216073	3.482063	3.503965	3.454098	4.743057	4.714363	4.617485
KLC3	ENSG00000104892	0.598268	2.330943	4.001667	0.00088	0.002025	-1.23078	1.384302	1.277811	1.499186	1.182548	1.307481	1.367251	1.966276	1.945386	1.50602	3.528929	3.805572	3.91004	4.509114	4.367677	4.372859	3.768919	3.870083	3.387478
SF3A2	ENSG00000104897	-0.50695	5.881902	-5.24329	6.04E-05	0.00019	0.968382	6.033379	5.963819	6.130008	5.112883	5.185395	5.076625	5.574674	5.495903	5.54523	6.232183	6.312486	6.533843	6.138693	6.174803	6.084218	6.324444	6.333415	6.095646
AMH	ENSG00000104899	-0.25044	1.26441	-1.43544	0.168818	0.218039	-5.53246	2.609804	2.37994	2.830836	2.325974	2.686486	2.164723	2.480375	2.220554	2.588518	1.278001	1.265082	1.248523	1.218025	1.16289	1.046067	1.017342	1.16325	1.58715
LYL1	ENSG00000104903	0.279169	-0.32999	0.972946	0.343854	0.408092	-5.76972	1.286899	1.173893	1.744977	1.933905	1.768674	1.422231	1.160105	1.367163	1.445026	0.415169	0.524532	0.499259	0.46104	0.550009	0.404558	0.789161	0.637375	0.315289
OAZ1	ENSG00000104904	0.22989	7.657369	3.082507	0.006588	0.012193	-3.89002	7.494782	7.523532	7.48088	7.990866	8.06834	7.988743	7.984647	8.029086	8.013088	7.456674	7.400678	7.537072	7.444024	7.429679	7.398431	7.5855	7.577336	7.564227
TRMT1	ENSG00000104907	-0.92041	5.380825	-7.88198	3.70E-07	2.35E-06	6.321646	6.574748	6.526025	6.565494	5.156973	5.287935	5.324049	5.643139	5.553863	5.489686	5.380501	5.203192	5.421185	4.922141	4.824228	4.72927	4.980783	5.063304	4.890466
STX10	ENSG00000104915	0.228486	5.585227	4.407335	0.000362	0.000923	-0.78683	5.423458	5.493717	5.463752	5.452586	5.657909	5.614052	5.860019	5.646681	5.763904	5.46891	5.329736	5.510708	5.757889	5.703069	5.761774	5.736375	5.735381	5.710849
DMPK	ENSG00000104936	0.352076	4.715027	6.505523	4.70E-06	2.07E-05	3.76596	4.433832	4.401188	4.553323	4.667726	4.825118	4.772519	4.528631	4.397684	4.687485	4.64911	4.839847	4.835713	5.117597	5.093459	5.227188	4.999601	4.930438	4.926702
TBC1D17	ENSG00000104946	0.708667	4.929738	11.69385	1.08E-09	2.01E-08	12.36277	4.726299	4.774231	4.725456	5.355021	5.510796	5.366721	4.765467	4.59002	4.855099	4.641707	4.644965	4.727183	5.413307	5.445273	5.267074	4.991566	4.83684	4.985143
TLE6	ENSG00000104953	-0.15958	2.149687	-1.09404	0.288788	0.35012	-6.18176	3.183753	3.057038	3.359697	2.999448	2.835252	3.016392	2.480375	3.023117	2.748518	2.01088	1.899254	1.986992	2.129525	1.897007	1.851631	1.903678	2.33471	1.844513
CCDC130	ENSG00000104957	0.041213	3.519143	0.492247	0.628671	0.682267	-7.06079	3.756787	3.732673	3.906009	3.619685	3.912781	4.000731	3.953155	4.060466	3.771595	3.528929	3.447177	3.332842	3.501296	3.320292	3.509921	3.272618	3.520448	3.477085
PTOV1	ENSG00000104960	0.602459	6.225853	6.900685	2.21E-06	1.08E-05	4.354212	6.34754	6.397828	6.415312	6.725687	6.832934	6.758927	6.713169	6.607341	6.634741	5.625347	5.624209	5.594999	6.452917	6.390053	6.380055	5.612618	5.768349	5.560088
TLE5	ENSG00000104964	0.534282	7.138991	11.75921	9.90E-10	1.90E-08	12.25033	7.221711	7.158653	7.232374	7.601764	7.691063	7.533448	7.420556	7.366504	7.462563	6.505294	6.557555	6.556886	7.183765	7.204372	7.189657	6.957229	6.971746	6.882769
SGTA	ENSG00000104969	-0.41114	6.746625	-7.1284	1.44E-06	7.50E-06	4.736957	7.110458	7.07728	7.136032	6.487492	6.727407	6.473492	7.086758	7.000265	7.187972	6.587542	6.658331	6.806788	6.418764	6.413195	6.378985	6.737834	6.688558	6.715639
MED25	ENSG00000104973	0.062555	5.155882	0.485725	0.633196	0.686347	-7.51082	5.250176	5.340148	5.350729	4.605448	4.905853	4.819357	4.908318	4.59693	4.967798	5.281564	5.242793	5.454817	5.741807	5.831329	5.723497	5.306398	5.238226	5.004109
SNAPC2	ENSG00000104976	0.209922	3.712432	2.713483	0.014499	0.024599	-4.00332	4.12413	3.96057	4.065319	4.272916	4.376555	4.226032	4.111894	4.119235	3.879258	3.340597	3.348126	3.555853	3.488503	3.67419	3.600863	3.530961	3.713375	3.466183
C19orf53	ENSG00000104979	-0.16367	6.311549	-3.00457	0.007795	0.014128	-3.94077	6.548721	6.570189	6.529047	6.218315	6.41703	6.229446	6.276361	6.157275	6.293548	6.514442	6.216297	6.365544	6.334592	6.257503	6.267734	6.286638	6.225439	6.237028
TIMM44	ENSG00000104980	-0.35373	5.570795	-3.54541	0.002399	0.004937	-2.6314	6.374462	6.276063	6.342502	5.740289	5.707014	5.643273	6.389189	6.337211	6.31288	5.112462	5.043519	5.219804	5.121745	5.02357	5.121083	5.02081	5.021374	5.070394
CCDC61	ENSG00000104983	0.480661	1.886527	3.116536	0.00612	0.011402	-2.86963	1.861169	1.591918	1.888281	1.578054	1.817192	1.475193	1.966276	1.901414	1.826075	2.47802	2.267764	2.786535	3.125084	3.193633	3.126936	2.719047	2.784842	2.48622
IL27RA	ENSG00000104998	0.74963	3.831719	11.37762	1.65E-09	2.78E-08	12.04456	2.568952	2.730641	2.469799	3.21869	3.426184	2.998412	3.965091	3.685883	3.708117	4.146251	4.008408	4.09204	4.833866	4.756906	4.810905	5.338427	5.203826	5.230349
ASF1B	ENSG00000105011	-2.1295	4.325619	-8.14131	2.36E-07	1.61E-06	7.018418	4.933595	4.826575	4.749122	3.944346	4.061165	4.000731	4.520565	4.651042	4.235006	5.353567	5.34694	5.478369	2.738794	2.671787	2.589286	5.146741	5.163088	5.119922
TNNT1	ENSG00000105048	0.264985	4.869053	2.511103	0.022119	0.035858	-4.81951	3.911847	3.976101	4.042515	3.255206	3.602632	3.306732	3.539581	3.592179	3.733845	5.957461	5.955333	6.035885	6.432188	6.515522	6.432583	6.229712	6.277259	6.146038
VRK3	ENSG00000105053	0.160951	5.047732	2.818401	0.011611	0.02016	-4.16849	4.973272	4.860445	4.826803	4.845887	4.745876	5.019826	4.504297	4.722281	4.687485	5.406943	5.256515	5.395024	5.665715	5.556356	5.594809	5.203493	5.193075	5.220652
FAM32A	ENSG00000105058	0.691327	6.160184	19.97718	1.77E-13	3.07E-11	21.16786	5.423458	5.520446	5.530827	6.132588	6.182532	6.237133	6.011586	6.065615	6.002193	6.060989	6.122005	6.082734	6.81886	6.739561	6.71891	6.537182	6.550072	6.534429
PPP6R1	ENSG00000105063	-0.09178	7.394396	-2.03152	0.057693	0.0846	-5.93128	7.198464	7.178928	7.343822	7.112797	7.287166	7.169705	7.300861	7.206314	7.331791	7.553051	7.519247	7.666418	7.49808	7.425891	7.44469	7.761975	7.666994	7.593324
C19orf44	ENSG00000105072	0.39467	2.77058	4.97754	0.000106	0.000311	1.020502	2.744313	2.9974	2.681399	3.123142	3.012388	3.103073	2.908934	2.848856	3.023464	2.930935	2.687979	2.957162	3.281595	3.282491	3.177059	2.968656	2.921385	2.912845
MED26	ENSG00000105085	-0.50246	2.670817	-6.29268	7.13E-06	2.97E-05	3.772492	3.114469	3.142112	3.133821	2.661411	2.660129	2.605775	3.004565	2.960209	2.959482	3.113269	3.175905	3.018425	2.683738	2.657091	2.756856	2.946659	2.841019	2.59029
OLFM2	ENSG00000105088	1.776853	1.627436	9.464653	2.69E-08	2.66E-07	9.314572	2.392887	2.655462	2.399755	4.112999	4.167908	4.10523	2.884002	2.938616	3.143496	0.781331	0.640699	0.921995	1.776519	1.681564	1.355599	1.419885	1.406038	0.872651
AKAP8	ENSG00000105127	-0.37392	5.495935	-7.72147	4.91E-07	2.98E-06	6.010903	6.117234	5.975457	5.986055	5.587578	5.833285	5.628736	5.850398	5.851216	5.99689	5.288691	5.401479	5.399966	5.023176	4.976997	4.935528	5.235596	5.209172	5.239981
EPHX3	ENSG00000105131	1.60702	-0.38409	8.417808	1.47E-07	1.09E-06	7.728882	0.106501	0.106501	0.219246	0.258133	0.25478	0.106501	0.415731	0.253663	0.256032	1.865926	1.55885	1.780195	3.004458	3.141796	3.157218	3.063688	3.149837	3.162857
ILVBL	ENSG00000105135	-0.03947	5.092361	-0.55267	0.587488	0.644901	-7.40696	5.590951	5.531	5.65879	5.329563	5.465853	5.313181	5.342749	5.564476	5.37174	4.735102	4.815334	4.888235	5.045184	4.856747	4.94134	4.700972	4.714363	4.597643
ZNF419	ENSG00000105136	0.213474	3.525693	2.993637	0.00798	0.014428	-3.54859	3.156438	3.085957	2.758051	2.999448	3.053471	2.845893	3.137083	2.801791	2.846105	4.242376	4.340194	4.15185	4.483553	4.525683	4.543056	4.386563	4.242761	4.376785
SYDE1	ENSG00000105137	-0.06202	1.295746	-0.19578	0.847044	0.873476	-6.37734	3.836399	4.058659	4.188143	4.122913	4.462952	3.991672	4.31208	4.230044	4.216877	0.781331	0.848253	0.54756	0.294634	0.26996	0.263213	0.576451	0.572487	0.659518
POP4	ENSG00000105171	-0.24514	5.200439	-4.21309	0.000554	0.001342	-1.16392	5.423458	5.546688	5.549817	4.982834	5.180767	5.246196	5.131269	5.210752	5.087374	5.316853	5.401479	5.429264	5.291546	5.322591	5.100452	5.080106	5.009167	5.022829
CCNE1	ENSG00000105173	-1.69416	3.641232	-9.10632	4.75E-08	4.27E-07	8.75251	4.543331	4.543506	4.58523	3.487804	3.546181	3.510758	4.045989	4.050434	4.042563	4.182415	4.066685	4.216766	2.24051	2.307842	2.200805	4.175819	4.041704	4.229846
URI1	ENSG00000105176	0.075627	6.228997	1.85184	0.081018	0.114319	-6.12709	6.266821	6.291664	6.202087	6.359172	6.283111	6.328116	5.897874	6.00976	5.931692	6.300766	6.327731	6.355404	6.411158	6.413195	6.405507	6.224008	6.268324	6.20296
PDCD5	ENSG00000105185	-0.47376	6.061678	-6.34297	6.46E-06	2.72E-05	3.252708	6.518198	6.532605	6.535866	5.824713	5.735694	5.880161	5.952856	5.938116	6.004837	6.144548	6.124502	6.28414	5.870643	6.005308	5.901004	6.072282	6.139849	6.048921
ANKRD27	ENSG00000105186	0.83638	4.950918	13.57347	1.02E-10	3.30E-09	14.76569	4.327631	4.318312	4.44736	4.87551	4.928114	4.951383	4.487843	4.657666	4.505294	4.845549	4.989766	4.864598	5.874336	5.798226	5.857096	5.473398	5.447207	5.371408
RPS16	ENSG00000105193	-0.13954	9.543457	-1.9546	0.066818	0.096384	-6.18446	9.919235	9.878622	9.892515	9.88433	9.88175	9.819509	10.35522	10.30294	10.39184	9.250646	9.139395	9.102496	8.871449	8.928857	8.942889	9.058206	9.059413	9.141354
TIMM50	ENSG00000105197	-0.5747	6.227966	-13.7999	7.83E-11	2.78E-09	14.9383	6.629166	6.562493	6.674569	6.082665	6.018451	5.937902	6.273964	6.286829	6.1928	6.503253	6.381944	6.559833	6.018135	5.923245	5.911405	6.171633	6.205516	6.130587
FBL	ENSG00000105202	-0.74453	6.920046	-12.3648	4.50E-10	9.93E-09	13.07442	7.210964	7.277021	7.177613	6.23212	6.225857	6.289823	6.836875	6.748989	6.808235	7.295606	7.316939	7.389605	6.816303	6.779969	6.747389	7.244336	7.182778	7.208822
DYRK1B	ENSG00000105204	2.271619	2.247204	8.392873	1.53E-07	1.12E-06	7.537243	1.519087	1.780637	1.853768	1.182548	1.612488	1.250575	1.588238	1.301009	1.244857	2.589954	2.877496	2.806521	5.373851	5.284851	5.234307	3.501087	3.651889	3.162857
GPI	ENSG00000105220	0.159625	8.011415	2.248777	0.037686	0.057729	-5.55971	8.243522	8.28726	8.278519	8.658661	8.69584	8.60769	8.706029	8.702927	8.776299	7.335154	7.376272	7.350149	7.332563	7.299704	7.206045	7.829265	7.818961	7.813582
AKT2	ENSG00000105221	0.506383	6.790191	7.868255	3.79E-07	2.39E-06	6.097655	5.781799	5.76358	5.872121	6.510332	6.568199	6.58612	6.741204	6.562162	6.688357	6.962099	6.990071	7.044656	7.40243	7.32491	7.258783	7.484635	7.462278	7.480706
PLD3	ENSG00000105223	0.569856	7.14836	12.27414	5.06E-10	1.10E-08	12.92933	6.838076	6.745819	6.805619	7.270507	7.434399	7.296512	6.846586	6.632777	6.860262	7.079075	7.063461	7.189628	7.759349	7.693193	7.652066	7.260029	7.287569	7.14873
PRX	ENSG00000105227	-0.1196	1.46848	-0.61453	0.546781	0.606858	-6.53867	2.051128	2.206444	2.166567	1.256461	1.373859	1.757653	1.762502	1.945386	1.564539	2.100009	1.899254	2.088428	2.439743	2.326537	2.121111	2.173627	1.930959	1.739782
PIAS4	ENSG00000105229	-0.46023	4.383514	-5.48637	3.64E-05	0.000122	1.791731	5.015692	5.073976	5.214556	4.479932	4.558804	4.447604	4.8959	4.497055	4.620106	4.192583	4.265255	4.431472	3.937609	4.148793	3.996621	4.185243	4.227036	4.014786
NUMBL	ENSG00000105245	0.13972	4.636188	2.174856	0.043637	0.06577	-5.3441	4.579773	4.589672	4.804386	4.759555	4.877535	4.656929	4.034706	3.967564	4.122646	4.886838	4.942447	4.994418	5.158554	5.104334	5.036727	4.727016	4.729324	4.567359
YJU2	ENSG00000105248	0.012312	4.07208	0.12134	0.904806	0.921828	-7.37017	4.165822	4.006672	4.301326	3.77864	3.901574	3.643939	4.164604	4.060466	4.322386	4.161861	4.122698	4.213027	4.424329	4.450973	4.355551	4.345124	4.343431	4.101878
TBCB	ENSG00000105254	-0.05333	6.211438	-0.75468	0.460492	0.524032	-7.4462	6.831615	6.798094	6.80223	6.686114	6.780371	6.607034	6.426359	6.531837	6.456933	5.694953	5.70649	5.883102	5.753885	5.83786	5.77648	5.976476	5.857862	5.776299
FSD1	ENSG00000105255	0.347237	1.237575	1.809213	0.087651	0.122622	-5.27573	1.18244	1.226787	1.406977	1.519216	1.666451	2.029614	0.548589	0.824004	0.833554	2.392392	2.267764	2.25768	2.491955	2.433888	2.559363	2.448672	2.552239	2.610232
POLR2I	ENSG00000105258	-0.3111	5.105717	-4.28585	0.000472	0.001164	-0.9469	5.71081	5.720428	5.681107	5.20443	5.411586	5.195807	5.535185	5.388507	5.537947	4.914746	4.742447	4.98129	4.739835	4.722029	4.663983	5.062316	4.676269	4.810842
ZFR2	ENSG00000105278	0.402695	-1.01349	3.48373	0.002747	0.005571	-1.97722	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.14259	2.469748	2.473063	2.67247	2.756951	2.675503	2.448672	2.770449	2.277588
SLC1A5	ENSG00000105281	-0.6787	8.215798	-14.3761	4.05E-11	1.68E-09	15.50593	8.448857	8.431195	8.480773	7.868778	7.964469	7.842089	8.789371	8.731855	8.749355	8.34437	8.233295	8.375171	7.615258	7.485854	7.499887	8.385877	8.367819	8.36412
PRKD2	ENSG00000105287	0.260006	4.722225	2.115772	0.049001	0.073066	-5.53951	3.361722	3.428416	3.454879	4.245952	4.13	4.096805	3.094248	2.894433	3.389938	5.89345	5.742688	5.97758	6.020359	6.012542	5.980777	6.266802	6.32359	6.134035
TJP3	ENSG00000105289	0.330886	3.536478	1.777532	0.092885	0.129321	-6.02667	3.325391	3.382531	3.075109	1.393812	2.078331	1.757653	1.459147	1.367163	1.50602	5.309864	5.283572	5.435695	6.02147	5.904702	5.882997	5.087664	4.965609	4.902646
APLP1	ENSG00000105290	1.933013	3.230166	5.309777	5.26E-05	0.000169	1.800286	3.84498	3.829904	4.034833	6.171319	6.422921	6.206137	4.504297	4.533523	4.45204	1.676063	2.074736	1.969371	1.99126	1.846087	2.161508	2.26534	2.101639	2.442395
CACTIN	ENSG00000105298	0.124262	4.67879	1.688686	0.10904	0.148708	-6.13166	4.271448	4.548709	4.647003	4.681208	4.836932	4.639633	4.504297	4.467202	4.626988	4.703453	4.821501	4.95243	4.931624	4.866361	4.860827	5.064871	5.042491	4.789136
CCDC9	ENSG00000105321	0.033933	4.426844	0.586039	0.565341	0.624682	-7.33103	4.145127	4.108838	4.050156	4.254996	4.158524	4.018682	4.011872	4.050434	3.746538	4.835851	4.872886	5.066635	4.968945	4.971068	4.952895	4.953468	4.843731	4.950363
HNRNPUL1	ENSG00000105323	-0.24124	7.96581	-7.24259	1.17E-06	6.26E-06	4.844173	7.65035	7.686999	7.687915	7.35179	7.432454	7.364766	7.815305	7.750298	7.907544	8.339231	8.290547	8.377261	8.168672	8.132264	8.109511	8.491019	8.49855	8.440947
FZR1	ENSG00000105325	0.050068	5.386585	0.742079	0.467895	0.531353	-7.37816	5.034569	5.041126	5.22134	4.714371	5.075006	5.041937	5.248226	5.219733	5.155586	5.636563	5.686355	5.725385	5.927438	5.831329	5.773225	5.805224	5.805882	5.668679
BBC3	ENSG00000105327	-0.12358	2.955952	-0.38028	0.708321	0.755362	-6.95568	4.232739	4.446492	4.37619	3.142765	3.47236	3.432575	3.602068	3.506713	3.641718	2.204194	2.469748	2.627101	3.456014	3.357127	3.540876	2.095813	1.851139	1.665483
TGFB1	ENSG00000105329	1.798975	5.060628	11.51044	1.38E-09	2.42E-08	12.17571	4.302931	4.527784	4.429894	6.732178	6.722639	6.557242	6.124988	6.058125	6.245172	3.666603	3.830249	3.968865	4.973543	4.9104	4.814076	4.752597	4.805418	4.651565
DENND3	ENSG00000105339	0.236793	5.054349	0.918159	0.371033	0.435737	-7.05003	6.44671	6.416447	6.469031	6.069909	6.051781	6.040305	6.068018	6.119389	6.119063	3.77884	3.830249	3.596598	4.978126	4.997558	4.989822	3.423579	3.2466	3.477085
DMAC2	ENSG00000105341	0.033965	5.643966	0.711025	0.48645	0.549577	-7.42846	5.528401	5.587707	5.369174	5.580401	5.732536	5.587238	5.609312	5.514266	5.680369	5.785068	5.76526	5.81197	5.760552	5.743628	5.731905	5.845901	5.748292	5.742817
PLIN3	ENSG00000105355	-0.43145	6.765618	-3.29774	0.004127	0.008014	-3.34186	7.975013	7.897394	7.983609	7.058302	7.241232	7.000501	7.096287	7.051461	7.085539	6.157584	6.117	6.273409	6.217367	6.211726	6.233798	6.219429	6.189378	6.043431

MYH14	ENSG00000105357	0.712417	5.913845	4.203456	0.000566	0.001368	-1.35974	4.992709	4.715296	5.071705	4.448742	4.614773	4.473866	4.302704	4.405576	4.270596	7.033133	7.088609	7.139297	8.280742	8.171571	8.151171	6.702994	6.768586	6.485333
MRPL4	ENSG00000105364	-0.34986	6.045103	-4.35027	0.00041	0.001028	-0.97055	6.553964	6.532605	6.670856	5.924447	6.079394	5.90932	6.217704	6.124179	6.344535	5.955969	5.856683	5.965409	5.84578	5.865289	5.760131	6.004695	5.871412	5.740557
RPS19	ENSG00000105372	-0.12175	9.33545	-2.98244	0.008175	0.014742	-4.21153	9.64914	9.568357	9.603785	9.533706	9.649858	9.446973	9.53756	9.587709	9.545378	9.256867	9.107888	9.117824	8.964755	9.009165	8.979716	9.153405	9.155655	9.212591
NOP53	ENSG00000105373	0.300433	7.137091	2.451691	0.024996	0.040033	-5.14195	7.238905	7.31263	7.360051	7.150845	7.285011	7.047161	7.003844	7.055228	7.047576	6.742647	6.928547	7.1309	7.613418	7.666843	7.596978	6.966824	6.905782	6.608179
ICAM5	ENSG00000105376	0.838344	1.554102	3.254448	0.004535	0.008713	-2.56318	1.12723	1.277811	1.921989	0.934951	0.730585	1.123626	1.648695	1.710758	1.564539	2.37464	2.500824	2.286428	3.488503	3.503965	3.494191	2.666185	2.649824	2.464474
ETFB	ENSG00000105379	-0.13613	5.009279	-2.01754	0.059262	0.086642	-5.63672	5.023273	5.055819	5.11242	4.921675	5.162106	4.956049	5.043928	5.043815	5.087374	5.063439	4.973242	5.064562	4.761267	4.92887	4.885155	5.375946	5.227729	5.305663
CEACAM5	ENSG00000105388	-1.58423	4.577182	-6.61981	3.77E-06	1.71E-05	3.830169	2.744313	2.513665	2.916938	3.487804	3.683372	3.643939	1.588238	1.001115	1.727075	7.751801	7.70834	7.767698	5.910753	5.933952	5.861701	7.094847	7.228906	7.224271
BABAM1	ENSG00000105393	-0.19579	3.963026	-2.48705	0.023244	0.037493	-4.60477	4.296689	4.14364	4.02711	3.80351	3.643567	3.666886	3.440463	3.672864	3.771595	4.391063	4.369954	4.392334	4.287006	4.372183	4.381435	4.293774	4.047684	4.037057
TYK2	ENSG00000105397	0.128369	5.230652	2.001586	0.061101	0.089049	-5.7327	4.884496	4.809337	4.917323	5.072529	5.089893	5.015363	5.198536	5.063901	5.243285	5.462622	5.572124	5.55716	5.623918	5.591562	5.61495	5.430457	5.370553	5.350812
CDC37	ENSG00000105401	-0.41525	7.476365	-4.61143	0.000233	0.000624	-0.55576	7.786315	7.78615	7.915694	6.958031	7.126795	7.079588	7.271123	7.184693	7.289046	7.668195	7.623964	7.698859	7.581018	7.592038	7.50382	7.610199	7.584038	7.467785
NAPA	ENSG00000105402	0.210264	5.00061	2.750194	0.013418	0.022947	-4.26673	4.758449	4.817982	4.781616	5.082724	5.355198	5.2875	5.071794	4.860754	5.005251	5.195703	4.916753	5.143288	5.140267	5.10974	5.076884	5.012893	5.176796	5.048636
RABAC1	ENSG00000105404	1.152014	4.971215	15.72891	9.35E-12	6.08E-10	17.22415	4.71698	4.999934	4.913139	6.0017	6.039053	5.90932	5.228555	5.136826	5.363523	4.060019	4.040487	4.32811	5.306202	5.185942	5.339289	4.730238	4.718118	4.382594
ATP1A3	ENSG00000105409	-0.50823	-0.00868	-1.67116	0.112499	0.152791	-4.96839	1.719036	1.591918	1.406977	1.578054	1.718467	1.669505	1.160105	1.658879	1.727075	0.834246	0.695454	0.921995	0.407676	0.345231	0.404558	0.63264	0.816175	0.999041
MEIS3	ENSG00000105419	1.067327	2.385536	4.465354	0.000319	0.000826	0.093856	3.361722	3.323044	3.217639	3.863871	3.722109	3.608819	3.277716	2.938616	3.124172	1.028404	1.435603	1.439812	2.88263	2.714997	2.795875	2.154563	2.146913	1.739782
PTPRS	ENSG00000105426	0.582804	5.583384	4.449071	0.000331	0.000852	-0.67507	5.954295	5.975457	6.110041	6.100335	6.161547	6.059941	5.985453	5.929932	5.967373	4.748949	4.696209	4.878827	5.830653	5.884342	5.784586	5.102661	4.981317	4.946447
CNFN	ENSG00000105427	0.387955	1.414097	1.690327	0.108721	0.148391	-5.33869	1.861169	2.308123	2.109199	2.143217	1.953662	1.575618	1.588238	1.901414	1.727075	1.423238	1.827525	2.104662	2.542344	2.398985	2.365487	1.419885	1.82352	1.222783
MEGF8	ENSG00000105429	0.97469	5.689632	7.926341	3.42E-07	2.21E-06	6.327865	5.049495	5.055819	5.144898	6.464286	6.616977	6.496091	5.519082	5.360361	5.455304	5.419984	5.491258	5.478369	6.107656	5.992195	6.033424	5.842927	5.768349	5.659138
KDELR1	ENSG00000105438	0.010754	7.907331	0.198542	0.844912	0.871656	-7.89267	8.040446	8.027008	8.094462	8.207251	8.283265	8.103574	8.136183	8.120626	8.112047	7.700174	7.602188	7.769927	7.580641	7.564248	7.590982	7.868182	7.85052	7.793555
CYTH2	ENSG00000105443	0.302216	5.372587	6.234243	8.00E-06	3.27E-05	3.098616	5.263039	5.221361	5.183625	5.483695	5.654575	5.547605	4.926746	4.992342	4.91817	5.610256	5.553718	5.590683	5.84578	5.697694	6.005955	5.308556	5.297147	5.259054
GRWD1	ENSG00000105447	-0.40212	6.941707	-8.77926	8.06E-08	6.61E-07	7.689365	6.838076	6.852753	6.872872	6.292659	6.56997	6.413699	6.815607	6.708095	6.86609	7.30149	7.250496	7.45754	7.012819	6.944829	6.930942	7.37567	7.374001	7.296052
GRIN2D	ENSG00000105464	0.842635	3.297034	8.42866	1.44E-07	1.07E-06	7.401009	1.430644	1.277811	1.499186	2.325974	2.787348	2.402038	1.816207	1.430416	1.777424	4.637991	4.824575	4.89991	5.626839	5.491566	5.501506	5.628249	5.633692	5.425873
CLEC11A	ENSG00000105472	0.540707	3.463737	1.927864	0.070282	0.100777	-5.32544	3.643304	3.461896	3.906009	4.333937	4.43213	4.337497	5.136557	4.741115	4.989319	2.881509	2.969234	3.276636	3.318207	3.109775	3.137101	2.819293	2.568968	2.06284
CARD8	ENSG00000105483	0.218678	4.285723	3.567355	0.002287	0.004731	-2.37591	4.393455	4.262405	4.255791	4.43289	4.416469	4.440963	4.659269	4.526303	4.420702	4.192583	4.260723	4.046548	4.470601	4.476309	4.311352	4.340914	4.273707	4.311289
LIG1	ENSG00000105486	-0.86684	5.410028	-5.19708	6.66E-05	0.000207	1.028159	6.155679	6.037841	6.18657	5.772136	5.899563	5.870309	6.15656	6.053109	6.038775	5.387157	5.444072	5.478369	3.988472	4.067774	3.856005	5.14915	5.326959	5.246367
ZNF175	ENSG00000105497	0.565136	3.114707	6.321367	6.74E-06	2.82E-05	3.696716	2.744313	2.870177	2.621113	2.955742	2.991399	3.168853	3.137083	3.122225	2.915195	3.17611	3.455132	3.470739	3.970183	3.903166	4.056758	3.470581	3.529023	3.55117
PLA2G4C	ENSG00000105499	0.008786	2.138023	0.030619	0.975921	0.979911	-6.79387	3.562366	3.439663	3.466347	2.714828	2.686486	2.94309	2.884002	2.777669	2.723053	1.239286	2.032826	1.759838	2.67247	2.148862	2.633039	1.833493	1.613793	1.58715
RAB3D	ENSG00000105514	0.93229	3.593666	6.554409	4.28E-06	1.90E-05	4.15564	3.300651	3.235413	3.24453	4.569652	4.688349	4.512384	3.928981	4.166444	3.935772	3.091698	3.126946	3.141546	3.513977	3.738425	3.486261	3.824254	3.757829	3.68882
DBP	ENSG00000105516	0.873686	2.603939	5.492616	3.59E-05	0.000121	2.033077	2.165157	2.308123	2.492412	2.103714	2.549605	2.22781	2.144798	1.901414	2.376228	3.123934	2.829342	3.373604	4.068019	4.250194	4.247105	3.200096	2.985098	3.093712
TMEM205	ENSG00000105518	0.070989	5.430061	0.993477	0.334034	0.397763	-7.07123	5.907956	6.022963	6.056036	6.220625	6.225857	6.284269	6.335028	6.267473	6.413815	4.75239	4.84591	4.823505	4.667899	4.660731	4.610269	4.752597	4.83684	4.75819
CAPS	ENSG00000105519	1.408047	1.853988	13.00455	2.02E-10	5.48E-09	14.19676	0.947665	0.8079	1.585853	1.519216	1.909591	1.526279	0.983587	1.15884	0.925731	2.918737	2.841532	2.87437	4.249584	4.225504	4.20424	3.16242	3.347011	3.340497
PLPPR2	ENSG00000105520	1.244689	4.548879	7.620638	5.88E-07	3.49E-06	6.033701	4.206344	4.080378	4.382257	5.918767	5.882565	5.796796	5.601686	5.546744	5.667077	3.528929	3.68898	3.93295	4.31626	4.312477	4.324754	4.005409	4.100421	3.889829
FAM83E	ENSG00000105523	0.705581	0.363871	2.937085	0.009011	0.016072	-3.03673	0.587539	0.8079	1.146821	1.022291	0.389229	0.563119	0.269385	0.824004	0.629397	1.646779	1.8028	1.60868	2.439743	2.549802	2.399663	2.034568	2.006592	1.942153
BCAT2	ENSG00000105552	0.305056	4.971534	3.895167	0.001112	0.002483	-1.83995	4.721647	4.47956	4.763138	4.517996	4.745876	4.568299	4.80585	4.664259	4.819498	5.141621	5.043519	5.153077	5.551958	5.603108	5.629423	5.452087	5.302159	5.394592
MIER2	ENSG00000105556	-0.15474	5.007885	-2.01047	0.060071	0.087708	-5.63741	5.259834	5.384472	5.530827	5.312338	5.557954	5.377194	5.223595	5.093515	5.169792	4.92393	4.839847	5.01818	4.653644	4.596713	4.635585	4.832737	4.860815	4.712796
PLEKHA4	ENSG00000105559	-0.2421	1.457356	-0.79729	0.435982	0.500499	-6.39172	0.814199	1.277811	1.146821	1.688986	1.953662	2.029614	1.648695	2.069791	2.274723	2.18395	2.546219	2.883807	1.597456	2.016959	1.801384	2.464239	2.447571	2.442395
PPP2R1A	ENSG00000105568	0.14229	8.465507	4.365733	0.000397	0.000999	-1.16638	8.206129	8.15278	8.160373	8.218275	8.277858	8.219183	8.273905	8.197641	8.270403	8.637176	8.562499	8.637705	8.847539	8.798917	8.809823	8.769987	8.733026	8.6829
TNPO2	ENSG00000105576	-0.38662	6.585398	-10.4471	6.13E-09	7.98E-08	10.39329	6.686388	6.60182	6.735078	6.320926	6.424879	6.372415	6.532447	6.574465	6.52298	6.899075	6.882095	6.901587	6.495101	6.396703	6.442863	6.711172	6.644843	6.672425
WDR83OS	ENSG00000105583	0.153394	5.465686	3.294543	0.004156	0.008055	-3.20822	5.379837	5.430295	5.420189	5.730596	5.687572	5.602196	5.597858	5.372491	5.408147	5.46891	5.452044	5.489229	5.506677	5.57015	5.530714	5.41852	5.504857	5.414576
GCDH	ENSG00000105607	0.382587	2.927339	4.695458	0.000194	0.000531	0.388023	2.884092	2.950996	3.090013	3.325575	3.394558	3.247073	3.027514	3.178579	2.959482	2.918737	2.991286	2.920951	3.449427	3.292034	3.053703	3.073871	3.093137	3.176297
DNASE2	ENSG00000105612	0.364606	5.644069	5.380017	4.54E-05	0.000148	1.316778	5.708461	5.546688	5.633581	6.268301	6.152121	6.190386	5.740105	5.689327	5.809985	5.516232	5.316696	5.46271	5.619524	5.637204	5.542234	5.488702	5.467424	5.344873
MAST1	ENSG00000105613	0.799016	0.843089	4.26394	0.000495	0.001216	-0.20063	1.336422	0.875715	1.028027	0.934951	1.307481	1.123626	1.160105	1.15884	1.564539	1.490718	1.498542	1.60868	2.225168	2.50126	2.294605	2.075685	1.82352	1.703111
LENG1	ENSG00000105617	0.481902	3.196978	7.008806	1.80E-06	9.09E-06	5.048058	2.933205	3.027527	3.044832	3.20008	3.362223	3.26222	3.258446	3.214961	3.357206	3.303547	3.204502	3.240362	3.840269	3.659519	3.78667	3.545669	3.644015	3.477085
PRPF31	ENSG00000105618	-0.44716	6.229272	-6.09874	1.05E-05	4.13E-05	2.720759	6.304638	6.302485	6.35026	5.506594	5.620805	5.562977	5.913358	5.783182	5.880784	6.706737	6.623457	6.839893	6.537639	6.520605	6.42845	6.544523	6.586473	6.483982
TFPT	ENSG00000105619	-0.17963	4.018077	-1.71099	0.104772	0.143529	-6.01122	3.895419	3.786518	3.931056	3.123142	3.278066	3.051692	3.676552	3.351955	3.759121	4.696324	4.641483	4.850228	4.726277	4.907298	4.688381	4.581158	4.633169	4.515429
JAK3	ENSG00000105639	0.070688	1.384828	0.416242	0.6823	0.730511	-6.72411	2.021155	1.81559	2.079636	1.393812	1.307481	1.526279	1.074544	1.15884	1.244857	2.47802	2.032826	2.272125	2.591031	2.581279	2.647333	1.833493	1.981819	2.174206
RPL18A	ENSG00000105640	-0.10523	8.833144	-2.88988	0.00997	0.017602	-4.37162	9.127944	9.136722	9.159423	8.95211	9.039159	8.888055	9.164487	9.089944	9.12208	8.65934	8.522362	8.591296	8.54854	8.589459	8.542948	8.598304	8.672873	8.651367
ARRDC2	ENSG00000105643	0.413264	5.910226	6.15525	9.36E-06	3.74E-05	2.962919	6.710065	6.647398	6.772513	7.064746	7.137581	7.088114	7.015369	6.985861	6.97662	4.864753	4.80914	4.842989	5.286012	5.246098	5.250784	4.752597	4.829917	4.665927
RAB3A	ENSG00000105649	0.02698	1.549911	0.087712	0.931103	0.943557	-6.74457	1.384302	1.277811	1.088647	2.325974	2.57804	2.22781	1.459147	1.901414	1.620777	2.574485	2.267764	2.34226	2.044674	1.871771	1.51998	2.597261	2.741225	2.549558
ISYNA1	ENSG00000105655	0.553648	3.019554	6.172224	9.04E-06	3.63E-05	3.129911	1.069823	1.277811	1.256574	1.022291	1.087782	0.984419	1.966276	1.658879	1.445026	5.14686	5.245089	5.37006	5.887795	5.86369	5.810222	5.638576	5.651473	5.528997
ELL	ENSG00000105656	-0.23775	4.079341	-3.65714	0.001877	0.003979	-2.16692	4.02189	3.704977	3.971859	3.425084	3.616407	3.655458	4.164604	4.080322	4.103038	4.517783	4.463628	4.527922	4.319876	4.367677	4.293286	4.687772	4.605057	4.494122
CRTC1	ENSG00000105662	0.619114	4.3142	9.458886	2.72E-08	2.67E-07	9.158454	4.239263	4.354415	4.504099	5.009799	4.97698	4.913508	4.6445	4.459641	4.322386	3.825326	4.040487	4.021115	4.647902	4.433832	4.539229	4.108069	4.011424	3.961444
COPE	ENSG00000105669	0.097406	5.891882	1.774679	0.093369	0.129911	-6.19477	5.912046	5.846194	5.927103	5.988204	6.207773	5.926062	5.967764	5.771015	5.860491	5.783387	5.840072	5.911063	5.914344	5.826412	5.980777	6.01794	5.917862	5.904981
DDX49	ENSG00000105671	-0.31177	5.903585	-5.2215	6.33E-05	0.000198	0.912865	5.934331	6.165255	6.059826	5.598277	5.600158	5.562977	5.531176	5.45466	5.392079	6.292517	6.242964	6.405405	6.146858	6.124944	6.09599	6.13076	6.01263	5.96816
ARMC6	ENSG00000105676	-0.22146	5.464179	-3.35396	0.00365	0.007164	-3.09354	5.539016	5.512479	5.525355	5.077635	5.194607	5.015363	5.473848	5.122533	5.238799	5.744175	5.726347	5.827947	5.756555	5.593492	5.72012	5.684156	5.686391	5.526375
TMEM147	ENSG00000105677	0.125889	6.736959	2.251219	0.037503	0.057474	-5.45978	7.094355	7.133768	7.16711	7.394362	7.315941	7.299269	7.056395	6.996351	7.000662	6.322921	6.201003	6.361328	6.353236	6.36201	6.316627	6.459699	6.344388	6.348078
TMEM59L	ENSG00000105696	1.83771	3.234821	4.405134	0.000364	0.000926	-0.29653	2.320899	2.332462	2.492412	5.350809	5.529116	5.421721	2.637802	2.290412	2.560038	2.804042	2.829342	3.125724	3.799417	3.68147	3.525482	3.630901	3.476789	3.753014
USF2	ENSG00000105698	-0.36655	6.100067	-7.64961	5.58E-07	3.34E-06	5.773804	6.171116	6.250746	6.255944	5.878371	5.946666	5.947304	6.202659	6.043026	6.143263	6.235875	6.281503	6.476521	5.908353	5.889066	5.985004	6.280056	6.166201	6.130587
LSR	ENSG00000105699	0.383933	5.13473	4.430603	0.000344	0.000882	-0.85629	2.137484	2.61635	1.954926	2.791417	3.170134	2.581827	1.917967	1.760835	1.674905	8.068152	8.046826	8.254865	8.496776	8.459715	8.484686	8.494102	8.506714	8.342675
KXD1	ENSG00000105700	-0.00584	6.256856	-0.14507	0.886318	0.907015	-7.74566	6.629166	6.544374	6.608825	6.523489	6.566426	6.51202	6.577851	6.401762	6.61411	5.98989	5.941242	6.047478	6.045689	6.026902	6.045617	5.957352	6.01263	5.934941
FKBP8	ENSG00000105701	0.335813	7.312657	5.59021	2.94E-05	0.000101	1.576925	7.314222	7.328599	7.423938	7.676871	7.823139	7.597553	7.347203	7.309811	7.354772	6.931311	6.936383	7.068129	7.384846	7.277055	7.259365	7.306108	7.309512	7.149582
SUGP1	ENSG00000105705	-0.31782	5.268933	-3.97455	0.000934	0.002135	-1.70108	5.429176	5.337144	5.429007	4.857809	4.635214	4.72957	5.228555	5.241941	5.229787	5.548259	5.495122	5.592123	5.503501	5.432385	5.426825	5.42251	5.554003	5.448204
HPN	ENSG00000105707	2.050485	-0.36441	7.792857	4.33E-07	2.68E-06	6.675952	0.106501	0.215206	0.106501	0.106501	0.25478	0.2349	0.269385	0.509405	0.256032	1.840286	1.875739	1.915176	3.658044	3.710228	3.707028	2.192442	2.649824	2.252429
ZNF14	ENSG00000105708	-0.05282	2.978766	-0.45823	0.652434	0.703507	-6.99119	3.210562	3.209365	3.489013	2.688367	3.260629	2.865864	2.884002	3.178579	2.937508	3.134522	3.086546	3.297971	3.346841	3.462307	3.177059	3.094024	3.236163	3.291935
SCN1B	ENSG00000105711	1.756243	1.898568	9.159773	4.36E-08	3.98E-07	8.90588	2.589523	2.534795	2.600444	4.359318	4.470555	4.420855	2.724622	2.596487	2.82232	1.388276	1.190799	1.219002	1.99126	1.871771	2.141451	0.789161	1.547811	1.273688
PBX4	ENSG00000105717	-1.16627	-0.19335	-2.99841	0.007899	0.014299	-2.67497	1.791852	1.465573	1.921989	0.395333	0.512209	0.657796	0.886508	0.622068	0.39151	1.315703	0.986408	0.884879	0.982856	0.7293	1.002253	1.017342	1.289746	1.115245
ERF	ENSG00000105722	-0.05507	5.795637	-0.78078	0.445381	0.509604	-7.38017	6.010678	5.996553	6.196933	5.815573	5.932971	5.892383	6.045709	5.807211	6.076967	5.417818	5.667648	5.766779	5.732343	5.67599	5.640184	5.779011	5.770158	5.580449
GSK3A	ENSG00000105723	-0.29948	6.114599	-6.82429	2.55E-06	1.23E-05	4.198434	6.196482	6.088736	6.177877	5.697807	5.907988	5.832753	6.048517	5.986272	6.02321	6.30194	6.348167	6.423313	6.102418	6.015426	6.180736	6.371641	6.360093	6.387612
ATP13A1	ENSG00000105726	0.464246	6.543909	6.004883	1.26E-05	4.86E-05	2.509835	6.266821	6.311696	6.471878	7.05701	7.198373	6.990303	6.635005	6.58319	6.610642	6.30194	6.333137	6.457686	6.658924	6.505302	6.58516	6.426311	6.403878	6.284342
ZNF574	ENSG00000105732	-0.38422	4.925199	-7.64721	5.61E-07	3.35E-06	5.923206	5.019487	4.984658	5.045184	4.576883	4.600983	4.55606	4.825625	4.715948	4.73921	5.319175	5.181778	5.409798	5.027605	4.968095	4.935528	5.280253	5.211838	5.137206
SIPA1L3	ENSG00000105738	0.660031	5.091371	11.06508	2.55E-09	3.92E-08	11.40949	4.09565	4.094678	4.351665	4.43289	4.789085	4.696497	4.143751	3.833587	4.132351	5.745902	5.818649	5.808257	6.562268	6.460513	6.49022	5.797564	5.726088	5.600528
ZNF85	ENSG00000105750	-0.68264	-0.24097	-5.41688	4.20E-05	0.000139	1.951868	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.87036	3.884278	3.647349	2.986372	3.243672	3.19663	3.737235	3.698248	3.753014
ETHE1	ENSG00000105755	0.217129	4.418775	2.725736	0.014129	0.024028	-4.1097	5.008072	5.073976	5.029808	4.999073	5.157403	5.102104	5.286782	5.164994	5.238799	3.666603	3.754913	3.696374	4.163669	4.154036	3.979775	3.889124	3.779553	3.753014
CADM4	ENSG00000105767	0.655026	3.656272	4.920208	0.00012	0.000347	0.780286	4.044416	3.888531	3.576275	4.790984	4.900234	4.610338	4.520565	4.299455	4.3476	3.17611	3.106888	3.247691	3.53901	3.282491	3.335521	3.073871	3.081525	3.241681
SMG9	ENSG00000105771	-0.5818	5.50781	-7.30217	1.05E-06	5.70E-06	5.231258	6.27001	6.195425	6.250979	5.436777	5.637789	5.35617	5.997126	5.929932	6.061811	5.435051	5.310132	5.527363	5.123815	5.043483	4.95577	5.08263	5.123998	5.01537
AVL9	ENSG00000105778	-0.019	7.214301	-0.28616	0.778118	0.815626	-7.80331	7.723719	7.720236	7.719407	7.630715	7.542061	7.590819	7.874252	7.934755	7.884758	6.712048	6.768574	6.652465	6.800863	6.806847	6.812261	6.594891	6.599763	6.681879
CFAP69	ENSG00000105792	1.039718	0.103185	4.393928	0.000373	0.000947	0.136021	0.882475	1.226787	1.028027	1.022291	1.087782	1.188496	0.415731	0.622068	0.39151	0.834246	1.228418	1.126631	2.129525	1.871771	1.970087	1.320757	1.16325	1.058313
GTPBP10	ENSG00000105793	-0.43109	4.572999	-4.58539	0.000246	0.000656	-0.21916	5.004246	4.945746	4.781616	4.092964	4.120365	4.271657	4.709802	4.603806	4.819498	4.826087	4.80914	4.821051	4.633447	4.746531	4.472558	4.661004	4.455636	4.661156
CDK6	ENSG00000105810	-0.49638	7.625371	-5.63561	2.67E-05	9.28E-05	1.691271	8.760572	8.777374	8.868041	8.287121	8.179221	8.310814	8.968295	8.920949	8.945143	6.902951	6.957538	6.739507	6.446316	6.38002	6.45916	6.51119	6.475502	6.542236
PMPCB	ENSG00000105819	-0.12233	6.533967	-1.6089	0.125552	0.16859	-6.51318	7.162874	7.146693	7.027963	6.773673	6.708239	6.815216	7.002396	6.953928	6.873342	6.161471	6.238361	6.19313	6.280885	6.311289	6.303148	6.103682	5.888174	5.96816
DNAJC2	ENSG00000105821	0.147372	6.03923	2.915755	0.009433	0.016745	-4.08787	5.806172	5.83559	5.997956	6.077576	6.133083	6.287974	6.132946	6.114582	6.091965	6.044242	6.033125	6.045377	6.095052	6.038288	6.073672	6.120972	6.111581	6.072473
TFPI2	ENSG00000105825	-1.21703	6.699325	-4.52361	0.000281	0.000737	-0.36085	10.03367	9.99433	10.00761	8.672649	8.597266	8.626834	10.45051	10.29539	10.35605	4.192583	4.107636	4.37236	3.830164	3.813238	3.892464	3.245848	3.72088	3.410407
BET1	ENSG00000105829	-0.08554	4.635822	-1.13637	0.271142	0.331321	-6.77457	5.285277	5.237561	5.180147	5.009799	4.831037	5.033133	5.338168	5.331655	5.392079	4.087524	4.171799	4.104202	4.118714	4.312477	4.320301	4.298124	4.25315	4.268007
NAMPT	ENSG00000105835	0.012777	8.68609	0.142875	0.888023	0.908246	-7.92638	9.465014	9.518347	9.490055	9.777373	9.743449	9.741434	9.911528	10.00105	9.89629	7.799984	7.784111	7.80977	7.402856	7.56769	7.572375	7.5371	7.684851	7.73004
POLR1F	ENSG00000105849	-0.95711	6.407977	-9.12441	4.61E-08	4.17E-07	8.376455	7.853768	7.895354	7.855368	6.583952	6.51404	6.60555	7.220985	7.37758	7.320162	5.849142	5.818649	5.765503	5.324314	5.29912	5.283183	5.710502	5.699745	5.745073
PON3	ENSG00000105852	0.750799	2.668742	5.664905	2.52E-05	8.80E-05	2.38162	1.959273	1.883052	1.888281	3.181227	3.151334	3.216292	1.966276	2.147141	1.727075	3.446357	3.517242	3.254982	3.870167	3.933972	3.713835	3.307556	3.193646	3.215882
PON2	ENSG00000105854	0.278944	7.694056	5.523988	3.37E-05	0.000114	1.401161	7.591651	7.654186	7.598242	8.108423	7.989824	8.00965	7.58525	7.720555	7.523757	7.704621	7.699577	7.63288	7.753011	7.890632	7.836078	7.470734	7.431163	7.423387
ITGB8	ENSG00000105855	0.304483	6.411563	5.577978	3.01E-05	0.000103	1.64002	6.880429	6.933532	6.989732	7.171291	7.082823	7.149482	6.417699	6.607341	6.517435	5.93946	5.999521	5.816905	6.27717	6.288824	6.400242	5.669122	5.826899	5.774091
HBP1	ENSG00000105856	1.722204	4.423214	13.77519	8.06E-11	2.85E-09	15.06441	3.041689	3.568199	3.148134	4.778495	4.84865	4.745826	4.154215	4.247712	4.3476	4.19764	4.423646	4.171248	5.955599	5.974523	5.970866	4.438712	4.521577	4.510131
DUS4L	ENSG00000105865	0.124974	3.423242	1.111561	0.281384	0.34225	-6.56119	3.572735	3.944869	3.828148	3.51817	3.502343	3.584921	3.440463	3.749274	3.586306	3.50465	3.26005	3.133657	3.669424	3.644697	3.65138	3.560228	3.413359	3.466183
SP4	ENSG00000105866	0.321778	2.670717	3.255815	0.004522	0.008697	-2.75534	2.27083	2.206444	2.079636	2.766336	2.811499	2.805104	2.186178	2.540248	2.274723	3.265521	3.223257	3.406715	3.436163	3.599295	3.326666	3.298901	3.256961	3.498643
WDR91	ENSG00000105875	0.038084	3.443564	0.488856	0.631021	0.684355	-7.11394	3.633432	3.273623	3.443319	3.325575	3.630051	3.655458	3.315502	3.141256	3.614278	3.730807	3.70241	3.829308	3.762697	3.738425	3.773698	3.623987	3.659719	3.509302
DNAH11	ENSG00000105877	-0.08348	1.608456	-0.27819	0.784129	0.820479	-7.22436	2.392887	2.258179	2.166567	0.841981	0.828511	0.909432	0.269385	0.253663	0.106501	3.666603	3.936355	3.439082	3.870167	3.806595	3.679472	3.818209	4.059571	3.914098
CBLL1	ENSG00000105879	-0.05169	5.691573	-0.57364	0.573517	0.632343	-7.51263	5.85584	5.718121	5.760107	5.591153	5.33034	5.359696	6.020192	5.965067	5.926124	5.685984	5.625972	5.577658	5.816647	5.760913	5.833849	5.679162	5.724222	5.736026
MTPN	ENSG00000105887	0.182507	7.906223	3.171107	0.005437	0.010257	-3.71882	7.92176	7.96463	7.932329	8.299194	8.31687	8.318533	8.336695	8.311749	8.338013	7.620977	7.645416	7.612448	7.594513	7.594933	7.676229	7.6362	7.668935	7.637114
STEAP1B	ENSG00000105889	-0.09581	-0.18135	-0.29238	0.77344	0.811919	-6.16826	2.649532	2.748839	2.621113	2.766336	2.926537	2.675323	2.779728	2.801791	2.892531	0.190076	0.330605	0.397516	0.294634	0.190544	0.106501	0.257084	0.2791	0.315289
MPP6	ENSG00000105926	0.276436	4.018924	2.067617	0.053811	0.079463	-5.24121	4.495082	4.55906	4.388298	5.218368	4.933626	4.927828	4.751751	4.68386	4.6676	3.275122	3.356645	3.513924	3.221013	3.436722	3.299771	3.883346	3.786722	3.734962
GSDME	ENSG00000105928	0.720402	2.931769	5.349938	4.83E-05	0.000157	1.854017	3.509372	3.382531	3.443319	4.263984	4.368438	4.467345	3.33403	3.578282	3.557782	2.356666	2.469748	2.25768	2.626498	2.565626	2.689384	2.479639	2.585506	2.549558
ATP6V0A4	ENSG00000105929	0.177716	0.756112	0.941359	0.359351	0.424046	-6.08943	1.475543	1.670392	1.499186	1.022291	1.612488	1.310092	1.317361	1.491012	1.564539	1.315703	1.265082	1.439812	1.818016	1.766169	1.550722	1.286141	1.478665	1.273688
ZC3HAV1	ENSG00000105939	-0.26537	7.414822	-1.36585	0.189304	0.241168	-6.93465	7.198464	7.234066	7.33681	7.806321	7.656481	7.842089	7.667907	7.731585	7.643118	7.546128	7.563155	7.462272	6.561505	6.560636	6.537992	7.736962	7.762355	7.784259
TTC26	ENSG00000105948	0.075301	4.08193	1.011497	0.325577	0.388928	-6.88055	4.006674	4.014214	3.914407	3.605613	3.734793	3.776446	3.891945	4.050434	4.00079	4.261822	4.386688	4.307219	4.577158	4.53375	4.56581	4.46216	4.512957	4.444998
OGDH	ENSG00000105953	0.0819	6.801367	0.762749	0.455785	0.519589	-7.51556	7.507674	7.476529	7.514412	7.153265	7.278529	7.148463	6.977569	7.068959	6.967161	6.167928	6.173542	6.219458	6.727221	6.595738	6.661969	6.359205	6.358891	6.321106
ADAP1	ENSG00000105963	-0.54702	2.191233	-3.03741	0.007262	0.013288	-3.41848	1.069823	0.940485	1.453818	1.256461	1.909591	1.188496	0.548589	0.726566	0.925731	4.19764	4.353024	4.783729	3.970183	3.766081	3.824901	5.015537	4.798342	4.510131
H2AZ2	ENSG00000105968	-0.35929	6.519127	-4.28198	0.000476	0.001174	-1.1612	6.909354	6.888074	6.796562	6.860671	6.751013	6.820342	7.000948	7.143995	7.000662	6.402824	6.340672	6.383951	5.696635	5.727893	5.758486	6.307284	6.378004	6.483982
CAV2	ENSG00000105971	0.271681	6.465472	2.656343	0.016349	0.02736	-4.69109	6.439646	6.413598	6.41235	6.327371	6.434631	6.289823	5.774426	5.737018	5.657027	6.572048	6.559401	6.605467	7.060061	7.114446	7.129833	6.734628	6.699995	6.731658
CAV1	ENSG00000105974	0.156346	7.436849	0.57059	0.57554	0.633947	-7.72731	8.329729	8.397707	8.326896	7.830722	7.798429	7.796646	6.389189	6.590132	6.481819	6.889731	6.861292	6.976273	7.72124	7.688233	7.74472	7.423238	7.416794	7.369558
MET	ENSG00000105976	0.879318	7.733506	6.259809	7.61E-06	3.13E-05	2.931988	7.458197	7.464191	7.436382	8.714228	8.612381	8.743753	7.453763	7.531556	7.434401	7.285547	7.286053	7.24377	7.791929	7.805319	7.846956	7.728929	7.719448	7.778211
RNF32	ENSG00000105982	-0.09048	0.97704	-0.47346	0.641743	0.693837	-6.48578	1.791852	2.009193	1.853768	1.182548	1.307481	1.575618	1.240874	1.367163	1.38134	1.423238	1.644832	1.49011	1.733794	1.846087	1.722572	1.571317	1.766644	1.81044
LMBR1	ENSG00000105983	0.581643	5.821638	7.16709	1.34E-06	7.06E-06	4.931804	5.636146	5.690142	5.715152	6.497053	6.564651	6.548001	6.337326	6.469207	6.346621	5.281564	5.368161	5.318796	5.626839	5.593492	5.603999	5.591509	5.58723	5.507891
DNAJB6	ENSG00000105993	0.506104	7.054489	5.574736	3.03E-05	0.000104	1.551554	6.343004	6.323886	6.202087	7.224056	7.14235	7.174717	6.593315	6.700097	6.671815	7.239087	7.277666	7.28709	7.482841	7.456979	7.496437	7.557653	7.478971	7.540389
HOXA3	ENSG00000105997	-0.73533	0.881047	-2.38055	0.028903	0.045517	-3.82005	4.416666	4.495815	4.611291	3.910405	3.901574	3.926609	4.011872	3.999201	3.979442	0.483018	0.462741	0.54756	0.407676	0.106501	0.263213	0.257084	0.433238	0.315289
LFNG	ENSG00000106003	2.087375	1.278056	10.69079	4.32E-09	6.00E-08	11.17676	0.503316	1.173893	0.829201	0.635873	1.087782	0.830331	0.782422	0.509405	0.515351	2.494552	2.575707	2.766268	4.876225	4.736081	4.602954	2.990321	2.680939	2.742606
HOXA5	ENSG00000106004	0.156296	1.165612	0.711447	0.486195	0.549375	-6.24969	2.245129	2.258179	2.194417	2.518519	2.71237	2.5075	2.696258	2.389238	2.530983	1.158593	1.029669	1.305813	0.745413	0.938214	1.488568	1.419885	0.975239	1.222783
HOXA6	ENSG00000106006	-0.38885	0.691313	-1.70193	0.106487	0.145711	-5.02905	1.755904	1.780637	2.018628	1.978268	1.864131	1.840725	2.26554	2.420731	2.309357	0.934589	1.029669	1.360915	0.610222	0.784432	0.593579	0.884806	1.118494	1.322858
BRAT1	ENSG00000106009	0.236458	5.473033	2.28941	0.034744	0.053684	-5.22927	5.85584	5.869251	6.080495	5.833796	5.970993	5.751893	5.63569	5.564476	5.716303	4.864753	5.030268	5.27464	5.626839	5.57015	5.581843	5.112574	5.003024	4.793504
IQCE	ENSG00000106012	0.334588	5.518627	2.239583	0.038384	0.058658	-5.29172	6.393597	6.371643	6.344057	6.197356	6.256968	6.180453	6.257073	6.097632	6.051618	4.545816	4.529155	4.592658	5.536504	5.493636	5.376231	4.522885	4.695442	4.562249
VIPR2	ENSG00000106018	2.476643	-0.82544	6.448392	5.25E-06	2.27E-05	4.225544	1.894617	2.332462	2.37563	4.479932	4.621619	4.713128	3.178682	3.160038	3.104585	0.106501	0.106501	0.106501	0.106501	0.26996	0.106501	0.106501	0.106501	0.106501
TSPAN12	ENSG00000106025	0.713964	3.526456	7.890947	3.64E-07	2.32E-06	6.542177	2.90065	2.730641	2.720234	3.487804	3.457132	3.335661	3.027514	3.122225	3.023464	4.227618	4.10258	4.144017	4.769223	4.90419	4.810905	3.730814	3.772348	3.68882
SSBP1	ENSG00000106028	-0.28293	7.177528	-6.69434	3.27E-06	1.51E-05	3.847442	7.449783	7.449663	7.408415	7.07244	6.936766	7.092358	7.325376	7.385582	7.313779	7.153186	7.179045	7.178648	6.9634	6.970316	7.05742	7.159624	7.121015	7.164833
HOXA13	ENSG00000106031	1.000337	-1.52858	4.029529	0.000828	0.001916	-0.46529	1.861169	1.849715	2.018628	2.955742	2.71237	3.03415	2.01302	2.108984	2.309357	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CPED1	ENSG00000106034	1.555444	3.501282	7.23039	1.19E-06	6.37E-06	5.642403	5.567812	5.407565	5.426074	7.143558	7.139968	7.142336	6.000029	5.988901	5.931692	1.199504	1.725977	1.46518	1.776519	1.495836	1.610309	1.354562	1.645686	1.273688
HIBADH	ENSG00000106049	-0.19475	6.455804	-2.65053	0.01655	0.027637	-4.65614	7.306476	7.335389	7.283513	6.897233	6.768082	6.925177	6.822184	6.877965	6.909066	6.027299	5.958134	6.02633	6.064129	6.081579	6.093383	5.721879	5.755617	5.680517
TAX1BP1	ENSG00000106052	0.315916	7.609354	7.273965	1.10E-06	5.97E-06	4.921427	7.474879	7.565847	7.501232	7.686931	7.677986	7.690768	7.169041	7.263883	7.219045	7.698837	7.706258	7.668126	8.08669	8.160216	8.135095	7.40722	7.49766	7.498203
CPVL	ENSG00000106066	0.611242	0.129556	3.278901	0.0043	0.008312	-2.06476	4.859306	5.091908	4.998554	5.502803	5.593209	5.708315	5.356409	5.427787	5.342774	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CHN2	ENSG00000106069	1.299119	-1.556	4.379074	0.000385	0.000974	0.245686	1.861169	1.465573	1.78216	2.864145	3.207016	2.885561	2.303642	1.945386	2.274723	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GRB10	ENSG00000106070	-0.88407	6.1818	-18.5463	6.13E-13	7.87E-11	19.90625	6.140075	6.127503	6.095343	5.299283	5.326156	5.384134	5.943836	5.851216	5.773239	6.998778	6.965218	6.94956	6.082337	6.046769	6.030701	6.888221	6.8306	6.935095
ABHD11	ENSG00000106077	0.382084	5.01761	3.515653	0.002561	0.005237	-2.73866	4.450796	4.527784	4.526184	4.218476	4.267295	4.162865	3.676552	3.84524	3.82044	5.676959	5.674479	5.797063	6.37599	6.298326	6.327764	5.884016	5.914593	5.872323
COBL	ENSG00000106078	1.233097	5.470604	5.876638	1.64E-05	6.09E-05	2.398203	5.160214	5.127117	5.176661	5.691159	5.624218	5.506852	5.93476	5.905096	5.906462	4.581075	4.682721	4.708717	6.473351	6.453088	6.456118	5.253625	5.251241	5.227124
FKBP14	ENSG00000106080	-0.00452	4.0912	-0.0395	0.968943	0.974141	-7.16301	5.310279	5.26627	5.231457	5.299283	5.157403	5.238557	6.005819	5.957035	5.961941	2.790717	2.958081	2.845681	2.921223	2.875953	2.965187	2.866919	3.267249	2.944608
PLEKHA8	ENSG00000106086	-0.55481	5.034138	-8.78294	8.02E-08	6.58E-07	7.928596	5.443372	5.585177	5.530827	4.803367	4.688349	4.908703	5.026946	5.127313	5.067277	5.200749	5.294698	5.183964	4.771865	4.834061	4.869998	5.146741	4.984438	4.965925
STX1A	ENSG00000106089	-0.19126	5.338566	-2.37832	0.029034	0.045699	-5.02193	5.560015	5.509814	5.743707	5.636843	5.741991	5.559916	5.605504	5.629937	5.677057	5.218274	5.27461	5.155027	4.836392	4.746531	4.90611	5.312861	5.358575	5.29338
NOD1	ENSG00000106100	0.003442	3.185967	0.032816	0.974193	0.978521	-7.16844	3.27548	3.07157	3.25779	2.688367	2.57804	2.904994	3.158032	3.26787	3.271973	3.488234	3.431133	3.476988	3.746669	3.752319	3.586098	3.737235	3.815048	3.725851
GARS1	ENSG00000106105	-0.67892	8.399153	-9.0439	5.25E-08	4.61E-07	8.055517	9.170808	9.218166	9.161409	8.320889	8.248305	8.358725	9.046213	9.065247	9.055737	8.241609	8.160052	8.263025	7.722265	7.749263	7.756307	7.926942	7.885166	7.919774
NSUN5P2	ENSG00000106133	0.247595	3.588144	2.774811	0.012736	0.021917	-3.89332	4.029438	3.759847	4.065319	4.041626	4.091068	3.91707	3.617275	3.506713	3.879258	3.437834	3.715716	3.380287	3.835226	3.813238	3.939687	3.209363	3.297679	3.241681
CASP2	ENSG00000106144	-0.48081	5.995766	-11.6361	1.17E-09	2.12E-08	12.17698	6.372979	6.365759	6.394453	5.878371	5.830334	5.860389	6.239981	6.131335	6.254089	6.140615	6.101878	6.067286	5.648566	5.690495	5.668493	5.859209	5.814676	6.028687
CHCHD2	ENSG00000106153	-0.94315	6.981911	-12.0126	7.09E-10	1.44E-08	12.60515	6.973367	7.004358	7.117967	5.629907	5.913577	5.786355	7.071657	6.972641	7.105384	7.50235	7.55947	7.60105	6.806028	6.920424	6.801117	7.808072	7.718511	7.616926

HSPB1	ENSG00000106211	0.986239	8.323649	7.287021	1.08E-06	5.85E-06	4.897254	7.179083	7.184788	7.352346	8.772859	8.918913	8.680324	7.788686	7.561003	7.78907	8.498573	8.447575	8.550769	9.000254	9.057179	9.021297	8.806703	8.760368	8.54886
NPTX2	ENSG00000106236	0.592042	-0.60458	2.23938	0.038399	0.05867	-4.02746	3.397161	3.298545	3.678418	4.031135	4.139571	4.018682	3.976929	3.564249	3.681923	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
PDAP1	ENSG00000106244	-0.24426	7.710153	-6.42131	5.54E-06	2.38E-05	3.256076	7.743932	7.710983	7.735491	7.35705	7.398975	7.387393	7.669732	7.732369	7.665013	7.892163	7.878457	7.949456	7.757017	7.745795	7.757131	7.845701	7.859473	7.82536
BUD31	ENSG00000106245	-0.39329	6.655666	-6.69	3.29E-06	1.52E-05	3.886296	7.083519	7.023171	7.005539	6.436731	6.422921	6.45713	6.876914	6.800775	6.768335	6.698733	6.584097	6.707313	6.418764	6.454151	6.497142	6.589578	6.546909	6.698276
PTCD1	ENSG00000106246	-0.18306	2.887969	-1.91046	0.072621	0.103829	-5.22637	3.476616	3.7953	3.607684	3.533117	3.410458	3.432575	3.841036	3.724251	3.832397	2.589954	2.66072	2.714318	2.51737	2.433888	2.544166	2.524879	2.649824	2.374055
ZKSCAN1	ENSG00000106261	0.547804	6.803295	6.842518	2.46E-06	1.19E-05	4.152027	6.435391	6.274494	6.410867	6.622897	6.482423	6.623257	6.479338	6.391864	6.306464	6.80859	6.951927	6.741455	7.630988	7.624506	7.613908	7.06708	7.160184	7.083354
EIF3B	ENSG00000106263	-0.30652	8.578871	-9.45625	2.73E-08	2.68E-07	8.717942	9.075588	9.102634	9.089534	8.761798	8.777034	8.759184	8.862986	8.875504	8.853138	8.348923	8.361309	8.410288	8.081641	8.084323	8.094918	8.361665	8.302421	8.28917
SNX8	ENSG00000106266	-0.61198	6.325896	-5.82892	1.80E-05	6.58E-05	2.187011	7.114013	7.15012	7.182836	6.092789	6.225857	6.135919	6.657248	6.714463	6.746384	6.108753	6.113234	6.279679	6.069508	5.921708	5.818141	6.010007	6.009569	5.864042
NUDT1	ENSG00000106268	-0.89664	3.808945	-8.50254	1.28E-07	9.63E-07	7.707431	4.461995	4.435299	4.458888	3.921807	3.643567	3.510758	4.606901	4.603806	4.570996	4.009149	3.735447	4.124247	3.048706	3.301515	2.895043	3.830273	3.829005	3.56145
PTPRZ1	ENSG00000106278	-0.48477	0.223366	-5.73318	2.19E-05	7.81E-05	2.432863	0.216396	0.316291	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.545816	4.609763	4.412036	4.01993	4.148793	4.169997	3.724364	3.999132	3.969186
TAF6	ENSG00000106290	-0.16647	6.096044	-3.16465	0.005514	0.010387	-3.57069	6.250766	6.218461	6.306268	6.122741	6.163893	6.200251	6.205178	6.012346	6.176476	6.144548	6.03578	6.212921	5.971777	5.962621	5.80545	6.182261	6.056295	6.092105
WASL	ENSG00000106299	0.170881	6.503775	1.594995	0.128636	0.172211	-6.52912	6.842368	6.830496	6.866394	6.655706	6.670775	6.733338	7.045194	7.013235	7.065416	6.015891	5.967898	6.050624	6.48869	6.496042	6.500099	5.961472	6.108723	6.06165
AIMP2	ENSG00000106305	-0.16649	5.726001	-2.40652	0.027415	0.043395	-5.03378	6.536854	6.644971	6.585352	6.227533	6.187154	6.221718	5.964794	5.983638	6.01011	5.353567	5.240494	5.351474	5.384248	5.31559	5.44535	5.102661	4.971913	5.081151
TFR2	ENSG00000106327	-0.62525	1.50162	-3.61733	0.002049	0.004297	-1.66014	1.990546	2.125186	1.954926	1.840866	1.864131	1.475193	1.389995	1.491012	2.005764	2.078238	2.355385	2.422156	1.667235	1.622273	1.992654	2.334732	2.465551	2.277588
MOSPD3	ENSG00000106330	0.821505	3.698016	9.076138	4.98E-08	4.42E-07	8.609705	3.520128	3.676739	3.419917	4.190466	4.222966	3.897801	3.617275	3.672864	3.655245	3.622156	3.554746	3.590847	4.49639	4.497087	4.456413	3.630901	3.356678	3.540816
PCOLCE	ENSG00000106333	0.326918	1.152154	1.981662	0.06347	0.092123	-4.74849	1.519087	1.631689	1.921989	1.791994	1.953662	1.880533	1.966276	1.945386	2.087859	1.586365	1.616737	1.305813	1.858352	1.738515	1.550722	1.320757	1.795362	1.370407
RBM28	ENSG00000106344	-0.65042	5.972653	-11.8391	8.91E-10	1.75E-08	12.4551	6.43397	6.380424	6.406409	5.540275	5.547207	5.677574	6.01446	6.100066	6.11662	6.28065	6.117	6.273409	5.7445	5.699488	5.721809	5.925374	5.945351	6.015662
USP42	ENSG00000106346	-0.05521	4.58933	-0.95639	0.351919	0.416311	-7.02506	4.803168	4.673038	4.857612	4.54774	4.500575	4.598452	4.622059	4.569092	4.620106	4.656475	4.682721	4.649089	4.662213	4.794321	4.735974	4.591826	4.486784	4.651565
IMPDH1	ENSG00000106348	0.340116	6.345822	6.522695	4.55E-06	2.01E-05	3.595881	6.301524	6.269775	6.337827	6.674365	6.800118	6.737409	6.664586	6.656119	6.665144	5.907408	5.855181	6.010262	6.217367	6.179952	6.12437	6.473226	6.361294	6.324128
AGFG2	ENSG00000106351	-0.24942	3.024848	-3.03972	0.007226	0.013232	-3.26699	2.815895	2.819419	2.99819	3.041869	2.787348	3.016392	2.724622	2.871824	2.798137	3.637124	3.715716	3.7997	3.395624	3.393046	3.290693	3.538334	3.579432	3.421736
LSM5	ENSG00000106355	-0.69945	5.498562	-13.5921	9.99E-11	3.27E-09	14.76969	5.883176	5.963819	5.808216	5.268353	5.305047	5.283793	5.900984	5.996758	5.923331	5.719774	5.684664	5.603592	4.853955	5.006281	4.882136	5.55381	5.462956	5.481066
SERPINE1	ENSG00000106366	-0.88965	5.848972	-2.74354	0.013608	0.023239	-4.31217	8.086401	8.041382	8.094	6.517865	6.45968	6.504077	6.470991	6.522796	6.393781	4.421642	4.498689	4.415294	4.858933	4.541772	4.527685	5.215041	5.198461	5.154286
AP1S1	ENSG00000106367	-0.34742	6.634052	-3.70649	0.001684	0.003602	-2.46511	7.225824	7.206349	7.274571	6.470122	6.584058	6.496091	6.595237	6.639485	6.571941	6.595228	6.497192	6.598319	6.514162	6.612974	6.543734	6.377818	6.469946	6.41338
C1GALT1	ENSG00000106392	-0.47621	5.357529	-6.32556	6.68E-06	2.80E-05	3.363645	6.044597	6.095863	6.130008	5.687824	5.859584	5.862876	5.866398	5.879824	5.872122	5.077225	5.191334	5.151125	4.489986	4.381153	4.584502	4.902958	4.946531	5.11644
PLOD3	ENSG00000106397	-0.47486	7.570015	-8.1078	2.50E-07	1.69E-06	6.509943	8.631368	8.600464	8.654999	8.094005	8.155241	8.070612	8.488619	8.439277	8.514437	6.841273	6.782867	6.836252	6.466844	6.430582	6.325543	7.133696	7.005936	6.956675
RPA3	ENSG00000106399	-0.59062	4.871485	-11.6538	1.14E-09	2.09E-08	12.33878	5.214199	5.234335	5.190556	4.612502	4.65537	4.562192	5.193472	5.255104	5.256657	5.136363	4.987026	5.054151	4.518584	4.446707	4.562043	4.931237	4.956102	4.840691
ZNHIT1	ENSG00000106400	0.310344	6.023349	7.081314	1.57E-06	8.08E-06	4.698393	5.838758	5.99083	5.918779	6.125209	6.207773	6.027064	5.747035	5.859858	5.757647	6.041432	5.969287	6.072454	6.418764	6.43274	6.389653	6.031066	6.029348	5.975866
CLDN15	ENSG00000106404	0.851688	2.624773	8.195831	2.15E-07	1.48E-06	7.336405	2.949211	3.248262	3.334887	3.966538	3.956756	4.138446	3.676552	3.619579	3.557782	1.891119	2.011405	1.915176	2.479079	2.627242	2.365487	1.992244	2.124453	2.091498
GLCCI1	ENSG00000106415	0.72414	3.766939	3.223712	0.004849	0.009254	-2.97391	3.85351	4.058659	3.979882	4.456603	4.081169	4.130213	4.6145	4.357565	4.33084	3.349712	3.204502	3.464463	4.32708	4.438137	4.448272	2.831347	2.985098	2.975687
PHF14	ENSG00000106443	-0.50127	5.413063	-10.178	9.10E-09	1.10E-07	10.16826	6.632887	6.596806	6.539942	6.077576	6.125878	6.208094	6.177231	6.128954	6.128792	5.057888	4.887657	4.936647	4.397206	4.354074	4.504317	4.466031	4.584635	4.376785
NRF1	ENSG00000106459	-0.14775	4.271466	-2.19386	0.04203	0.06363	-5.16807	4.679091	4.223893	4.370098	4.190466	4.167908	4.330328	4.479546	4.316298	4.482711	4.399867	4.327249	4.32118	4.260913	4.317159	4.14503	4.454386	4.386537	4.394143
TMEM106I	ENSG00000106460	0.92634	6.689894	8.447759	1.40E-07	1.04E-06	7.182763	6.857289	6.837953	6.848977	8.028271	7.864848	7.950095	7.654148	7.613903	7.638869	5.737245	5.716452	5.750105	6.402659	6.420828	6.431551	5.542855	5.722354	5.708538
EZH2	ENSG00000106462	-1.08362	4.838293	-8.5207	1.24E-07	9.39E-07	7.537475	5.379837	5.25994	5.228093	4.765896	4.825118	4.702062	4.944941	4.933517	4.989319	5.358091	5.355466	5.349772	3.913883	3.964133	3.939687	4.953468	5.138081	5.070394
CEP41	ENSG00000106477	-0.24188	4.689487	-4.00562	0.000873	0.00201	-1.52864	4.925527	4.774231	4.98267	4.797189	4.801196	4.803913	4.576101	4.540708	4.475104	4.99537	4.919631	4.945687	4.707079	4.608219	4.550681	4.577584	4.725598	4.731125
ZNF862	ENSG00000106479	0.497503	3.023934	5.098075	8.21E-05	0.000248	1.289223	3.944154	3.768792	3.736403	4.333937	4.1957	4.249025	3.676552	3.462004	3.557782	2.635389	2.437987	2.409144	2.88263	2.913535	3.010124	2.013561	2.146913	2.629903
MEST	ENSG00000106484	0.509761	7.591535	6.420848	5.54E-06	2.38E-05	3.306343	8.112843	8.142493	8.109168	8.955928	8.884819	8.850963	8.605711	8.65159	8.616934	6.557369	6.456161	6.495113	6.680177	6.74912	6.636221	6.787406	6.731915	6.796192
ANKMY2	ENSG00000106524	0.288399	3.876281	3.599563	0.00213	0.004449	-2.20833	4.387594	4.051346	4.16017	4.245952	4.240862	4.407292	4.143751	3.946081	4.021828	3.792275	3.532361	3.585074	4.046359	4.045377	4.01878	3.762638	3.537548	3.650813
ACTR3C	ENSG00000106526	0.365686	-0.92455	3.235112	0.004731	0.009049	-2.55681	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.620402	2.804649	2.581432	3.074617	2.938056	2.870883	2.211015	2.500854	2.419973
POU6F2	ENSG00000106536	0.13315	-1.25196	0.745283	0.466006	0.529418	-6.31845	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	1.891119	2.155072	2.038602	2.044674	2.084417	2.121111	1.784732	2.124453	1.844513
TSPAN13	ENSG00000106537	0.326583	6.163023	4.141	0.000648	0.001541	-1.45134	5.853716	5.846194	5.743707	6.430757	6.461589	6.48967	6.362363	6.367829	6.383659	6.123444	6.029133	6.084781	6.133567	6.1514	6.112827	6.262357	6.174423	6.299774
AGR2	ENSG00000106541	0.255756	8.030048	2.611928	0.017941	0.02971	-4.87122	8.41648	8.386854	8.349522	8.452507	8.329469	8.360046	8.463069	8.590592	8.486806	7.185365	7.260178	7.112454	7.646907	7.718186	7.744305	8.000184	8.041307	8.105545
AHR	ENSG00000106546	-0.26288	7.050606	-3.93568	0.001018	0.002299	-1.99041	7.727204	7.751033	7.785559	7.313345	7.172965	7.328346	7.372071	7.273617	7.296619	6.731357	6.778911	6.654534	6.678066	6.706935	6.658445	6.582463	6.661514	6.648516
CHCHD3	ENSG00000106554	-0.47664	6.035086	-12.7911	2.63E-10	6.60E-09	13.71341	6.519538	6.516763	6.454708	5.969096	6.049244	6.094204	6.344198	6.232407	6.308606	6.10741	6.04635	6.039056	5.568769	5.661337	5.526854	5.906981	5.879817	5.821907
GLI3	ENSG00000106571	1.517553	2.545316	4.058501	0.000777	0.001811	-0.72455	3.509372	3.863696	3.93931	5.468225	5.48099	5.566032	3.841036	4.009594	3.968647	1.315703	1.265082	0.958181	1.446877	1.120667	1.390007	1.970607	2.030948	1.877799
PSMA2	ENSG00000106588	0.154024	1.326114	0.795227	0.437148	0.501757	-6.23412	2.218961	2.068355	2.399755	2.548252	2.193078	2.455733	2.607661	2.676938	2.77354	1.315703	1.335727	1.360915	1.336984	1.282615	1.456457	0.884806	1.442809	1.461048
MRPL32	ENSG00000106591	-0.36261	5.933625	-8.95028	6.10E-08	5.24E-07	8.103791	6.374462	6.334469	6.315808	5.980046	5.949389	5.970546	6.389189	6.385893	6.439449	5.781704	5.821729	5.878389	5.50191	5.483259	5.473701	5.731559	5.714857	5.726921
COA1	ENSG00000106603	-0.3245	6.368017	-4.2075	0.000561	0.001356	-1.30614	6.844509	6.862187	6.845688	6.866584	6.711452	6.829269	6.915871	6.918516	6.864635	6.137986	6.169921	6.238893	5.503501	5.644673	5.611309	5.981894	6.004966	6.01753
BLVRA	ENSG00000106605	0.090457	5.513232	1.458698	0.162386	0.210758	-6.51525	6.602846	6.624173	6.505617	6.536528	6.562874	6.639299	6.443525	6.513697	6.546761	4.425958	4.447768	4.665597	4.726277	4.627193	4.848508	4.386563	4.437531	4.433851
URGCP	ENSG00000106608	-0.07359	5.706402	-1.43629	0.168579	0.217804	-6.63633	6.097621	6.030421	6.071137	5.872506	5.924691	5.822571	6.207692	6.175851	6.215804	5.456306	5.361828	5.332646	5.479457	5.363901	5.414342	5.496293	5.440404	5.475641
TMEM248	ENSG00000106609	0.219371	6.848706	4.679708	0.000201	0.000547	-0.33516	6.961579	7.05277	7.054799	7.41569	7.329594	7.393425	7.171619	7.196113	7.151451	6.47333	6.427133	6.511948	6.547695	6.533737	6.579581	6.594007	6.538439	6.583172
STAG3L4	ENSG00000106610	-0.18026	3.304166	-1.78078	0.092336	0.128645	-5.4725	4.532747	4.599733	4.464617	4.384261	4.368438	4.407292	4.695544	4.664259	4.726452	2.589954	2.485369	2.510098	2.178139	2.288901	2.528806	2.192442	2.755911	2.48622
RHEB	ENSG00000106615	-0.05986	6.785847	-1.45999	0.162035	0.210361	-6.74645	7.200137	7.206349	7.116148	7.05701	7.067863	7.037288	7.378779	7.3056	7.353735	6.36061	6.355624	6.426546	6.317514	6.420828	6.412847	6.434237	6.472171	6.474494
PRKAG2	ENSG00000106617	-0.94005	5.315918	-3.5354	0.002453	0.005039	-2.59915	6.841296	6.802456	6.821334	4.881362	4.84865	4.983728	6.034424	5.935393	6.06688	4.674725	4.709571	4.864598	4.973543	4.897954	4.970056	4.691084	4.691628	4.753714
POLD2	ENSG00000106628	0.40589	6.745674	4.819169	0.000149	0.00042	-0.0247	6.377422	6.432017	6.438788	7.08644	7.24012	7.112348	7.049405	6.983227	6.91751	6.526551	6.440218	6.573019	6.657496	6.601506	6.624528	6.959977	6.850408	6.804871
BCL7B	ENSG00000106635	-0.55429	6.216091	-10.1594	9.36E-09	1.12E-07	10.00975	6.560491	6.570189	6.675804	5.996317	6.041607	6.04688	6.753301	6.506377	6.7273	6.307799	6.195078	6.294791	5.698025	5.78983	5.735254	6.140482	6.171688	6.047093
YKT6	ENSG00000106636	0.449953	7.304836	13.61812	9.69E-11	3.19E-09	14.64059	6.89806	7.009084	6.855533	7.378932	7.40494	7.342668	7.457992	7.331721	7.357877	7.134188	7.098166	7.147645	7.563207	7.573571	7.565335	7.505944	7.534858	7.498872
TBL2	ENSG00000106638	-0.01524	6.219911	-0.21891	0.82926	0.858743	-7.71263	6.54082	6.589251	6.493057	6.701082	6.730577	6.723795	6.680963	6.577961	6.617569	5.783387	5.876072	5.91452	5.669971	5.67599	5.627622	6.040183	6.036884	6.052569
CLIP2	ENSG00000106665	-0.17753	5.174829	-1.57694	0.132736	0.176985	-6.36417	5.689529	5.80765	5.884996	5.209091	5.166794	5.187896	5.440037	5.364416	5.530627	4.974897	4.91387	4.972471	5.202303	5.136474	5.156493	4.799373	4.73304	4.731125
EIF4H	ENSG00000106682	0.18083	9.128877	2.136429	0.047061	0.070364	-5.84573	9.38398	9.386894	9.334483	9.883601	9.878717	9.866729	9.652742	9.666381	9.649791	8.75978	8.675339	8.741274	8.57431	8.551473	8.578814	8.573623	8.583591	8.629548
LIMK1	ENSG00000106683	0.600584	6.70224	8.669009	9.67E-08	7.68E-07	7.510316	5.429176	5.531	5.581801	6.408639	6.45968	6.38976	6.212706	6.104921	6.208941	7.164208	7.076412	7.202413	7.659446	7.48845	7.501855	7.542609	7.487246	7.484763
SPATA6L	ENSG00000106686	0.56445	-0.16175	2.849782	0.01086	0.018996	-3.28742	0.318509	0.316291	0.421314	0.635873	0.625525	0.461789	0.106501	0.387194	0.106501	1.840286	2.249583	2.183199	2.491955	2.533802	2.497588	1.85727	1.981819	2.226823
SLC1A1	ENSG00000106688	0.074247	2.522693	0.300675	0.767209	0.806864	-7.1478	0.742531	0.661886	0.756332	2.577385	2.299368	2.629332	1.70672	2.029503	1.620777	4.156676	4.269773	4.194187	3.757374	3.903166	4.002193	4.555953	4.568087	4.428245
LHX2	ENSG00000106689	0.691807	-0.85794	3.24423	0.004638	0.00889	-2.09684	2.90065	3.114308	3.044832	3.753334	3.988879	3.459109	3.586698	3.578282	3.655245	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
FKTN	ENSG00000106692	0.186484	5.924501	2.884078	0.010094	0.017804	-4.0903	6.4453	6.359851	6.447493	6.489409	6.397219	6.640749	6.739468	6.739655	6.698191	5.21079	5.265591	5.193482	5.461566	5.487419	5.555558	5.28245	5.302159	5.406045
FSD1L	ENSG00000106701	0.609293	1.954732	2.436714	0.025775	0.041146	-4.10622	2.707144	2.784561	2.794903	2.81607	2.299368	2.784269	2.144798	2.960209	2.376228	1.616888	1.875739	1.248523	2.626498	2.549802	2.544166	1.926335	1.956613	1.775544
CNTNAP3	ENSG00000106714	0.39696	3.590532	3.249383	0.004586	0.008799	-2.86594	3.420312	3.370829	3.322321	3.591402	3.796595	3.655458	4.264577	4.290959	4.296723	3.358771	3.517242	3.451828	3.840269	3.793216	3.837423	3.685048	3.537548	3.788453
SPIN1	ENSG00000106723	-0.02428	7.198341	-0.60689	0.551724	0.611534	-7.67211	7.270302	7.246127	7.232374	7.321977	7.239007	7.376124	7.281899	7.370541	7.234897	7.195513	7.231516	7.138312	7.064378	7.08318	7.106097	7.060694	7.111768	7.188239
NMRK1	ENSG00000106733	1.41387	3.973006	9.159613	4.36E-08	3.98E-07	8.784041	4.138162	4.366251	4.174224	5.892928	5.836231	5.842864	4.376062	4.59693	4.512744	2.843296	3.106888	2.638296	3.840269	3.793216	3.563664	3.333216	3.422593	3.267027
TMEM245	ENSG00000106771	0.622151	8.253511	3.123588	0.006027	0.011247	-3.82297	8.393267	8.418106	8.389602	9.825596	9.704684	9.793516	9.18281	9.210561	9.168805	7.539173	7.511639	7.489958	7.254425	7.280056	7.281872	7.428208	7.372215	7.425499
MEGF9	ENSG00000106780	0.810474	4.794166	6.283872	7.25E-06	3.01E-05	3.347663	4.014302	4.342481	4.034833	5.487537	5.525471	5.327654	5.055139	5.201716	5.107194	4.592639	4.623947	4.566525	4.959705	5.006281	4.938437	4.888608	4.740443	4.878182
TRIM14	ENSG00000106785	0.724661	5.268544	14.8523	2.38E-11	1.16E-09	16.1988	3.465529	3.628412	3.586821	4.062381	4.384626	4.186878	3.988671	4.256466	4.073118	6.135353	6.307002	6.181698	6.876462	6.918885	6.996613	6.983799	6.927837	6.917196
CORO2A	ENSG00000106789	0.190001	3.474047	3.270397	0.004381	0.008446	-3.19063	1.384302	1.420874	1.585853	1.74141	1.612488	2.064596	1.588238	1.367163	1.445026	5.860347	5.95393	5.824276	6.075937	6.095271	5.952276	6.082404	6.051838	6.18645
TGFBR1	ENSG00000106799	0.86957	7.537917	11.00421	2.77E-09	4.19E-08	11.27274	9.055627	9.027059	9.038348	10.11184	9.975414	10.07889	10.16313	10.18653	10.13192	4.914746	5.087685	4.911491	5.440132	5.605024	5.493616	5.6708	5.637662	5.510546
SEC61B	ENSG00000106803	-0.21207	6.629317	-6.1185	1.01E-05	3.99E-05	2.749421	6.946707	6.877775	6.944323	6.660819	6.722639	6.659462	7.018237	7.052718	7.09177	6.423477	6.337447	6.456896	6.215427	6.205427	6.261939	6.623769	6.512728	6.591974
C5	ENSG00000106804	0.544749	2.174772	1.711933	0.104594	0.143382	-5.44032	2.707144	3.012542	2.794903	3.910405	3.560502	3.678224	1.966276	2.255906	1.445026	2.14259	1.752042	2.120715	2.225168	2.169719	1.970087	2.417026	2.410923	2.528753
TLE4	ENSG00000106829	-0.80906	4.332996	-2.79568	0.012185	0.021062	-4.04307	5.601118	5.575013	5.597531	3.456785	3.242978	3.321269	4.185161	4.070428	4.05282	4.623032	4.620414	4.569452	4.737134	4.843827	4.708971	3.883346	4.111883	4.249053
LHX6	ENSG00000106852	-0.53937	1.68919	-3.20784	0.00502	0.009532	-3.05883	1.235614	1.061904	0.679585	0.841981	1.087782	0.746642	0.548589	0.106501	0.735084	4.408616	4.322908	4.488257	3.904282	3.871689	3.862146	4.46216	4.414575	4.488745
PTGR1	ENSG00000106853	-0.34819	6.284936	-1.52661	0.144752	0.190687	-6.52863	7.731838	7.779527	7.697678	6.821637	6.821087	6.893911	7.80538	7.922432	7.772874	5.038288	5.046155	5.149169	5.50509	5.614563	5.534564	4.84468	4.751478	4.874064
SUSD1	ENSG00000106868	-0.26533	3.64142	-2.41251	0.027082	0.04293	-4.65096	3.85351	3.920993	3.854572	3.487804	3.683372	3.608819	3.370387	3.462004	3.064594	3.991785	3.878373	4.046548	3.870167	3.852467	3.548512	4.147172	3.923096	4.087723
AKNA	ENSG00000106948	0.677556	3.101215	4.731328	0.00018	0.000496	0.248414	2.392887	2.125186	1.853768	2.91067	3.295295	3.445903	2.376953	1.491012	1.826075	3.962373	4.082178	3.946523	4.604095	4.412116	4.460466	4.249541	4.237539	4.058989
DNM1	ENSG00000106976	0.737131	2.420888	6.511757	4.65E-06	2.04E-05	4.264752	2.668993	2.870177	2.966237	3.472378	3.683372	3.535905	2.696258	2.801791	2.892531	2.100009	2.267764	1.951531	2.694919	2.627242	2.497588	2.368215	2.354144	2.003758
ENG	ENSG00000106991	0.477279	2.043966	1.035314	0.314635	0.377504	-5.84628	5.910002	5.873404	5.935379	6.44268	6.552164	6.437247	6.103549	6.078014	6.084485	0.483018	0.462741	0.397516	0.352262	0.190544	0.106501	1.058946	0.572487	0.409347
AK1	ENSG00000106992	0.33737	1.877685	2.710865	0.014579	0.024717	-3.51484	2.392887	2.37994	2.423483	2.933382	2.762786	2.719893	2.607661	2.801791	2.981126	1.52331	1.699433	1.839597	1.689764	1.970168	1.801384	2.173627	1.930959	2.003758
CDC37L1	ENSG00000106993	0.28825	4.948235	4.993312	0.000103	0.000303	0.532837	4.467563	4.330447	4.363979	4.3081	4.368438	4.386706	4.245129	4.184903	4.33084	5.481405	5.516188	5.53037	5.91554	5.893775	5.955152	5.566486	5.574859	5.598033
RLN2	ENSG00000107014	0.479593	-1.60773	2.610216	0.018006	0.029802	-3.51738	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.158593	1.529011	1.562415	1.446877	1.738515	1.775589	1.512637	1.368306	1.626848
PLGRKT	ENSG00000107020	-0.49028	4.530403	-10.1741	9.15E-09	1.10E-07	10.24206	4.905158	4.826575	4.831244	4.209199	4.43213	4.271657	4.772276	4.741115	4.700591	4.782995	4.702905	4.69001	4.279599	4.367677	4.293286	4.63373	4.596923	4.661156
TBC1D13	ENSG00000107021	0.073546	5.933469	1.073479	0.297654	0.35934	-7.14258	5.93634	5.858816	5.986055	5.866618	5.994917	5.852905	6.000029	5.994144	6.136045	5.988432	5.914084	6.02633	6.153965	6.074684	6.125647	5.800633	5.821673	5.708538
RIC1	ENSG00000107036	0.188167	5.835323	3.346128	0.003713	0.007279	-3.15245	5.734094	5.659206	5.64119	5.863665	5.613956	5.778475	5.93476	5.916187	5.994232	5.791772	5.87162	5.735845	6.04241	6.076066	6.069697	5.878217	5.958108	5.944791
KDM4C	ENSG00000107077	0.451165	2.4099	3.864748	0.001189	0.002632	-1.3152	2.649532	2.71221	2.739267	2.887595	2.633282	2.924168	2.340763	2.702788	2.588518	2.444376	2.590228	2.447834	2.842976	3.193633	3.157218	2.524879	2.465551	2.226823
DOCK8	ENSG00000107099	0.869913	-1.19253	2.918593	0.009376	0.016657	-2.72801	2.725848	2.655462	2.916938	3.51817	3.683372	3.75519	2.340763	2.029503	2.274723	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
KANK1	ENSG00000107104	0.052944	5.160228	0.456756	0.653472	0.704253	-7.31968	6.442476	6.574021	6.552102	6.790876	6.679002	6.711432	6.524402	6.530034	6.472298	3.765279	3.793073	3.999574	3.513977	3.703092	3.600863	4.254026	4.094656	4.007286
ELAVL2	ENSG00000107105	2.115766	2.2262	10.23392	8.38E-09	1.03E-07	10.50234	2.19231	2.332462	2.558197	4.647264	4.600983	4.651187	3.19904	3.122225	3.4839	1.423238	1.265082	1.360915	2.439743	2.016959	2.276326	1.734264	1.90484	1.546329
NCS1	ENSG00000107130	0.041826	6.667665	0.747197	0.464879	0.528433	-7.4522	7.680626	7.793291	7.771183	7.687766	7.822397	7.734871	7.939986	7.764942	7.731172	5.447841	5.434044	5.549768	5.580873	5.566222	5.591116	5.863618	5.770158	5.63257
TESK1	ENSG00000107140	0.054883	4.994371	0.823875	0.421111	0.48621	-7.23398	4.905158	4.877086	4.954444	5.241304	5.119213	5.110498	4.851577	4.696781	4.940438	5.149472	5.128054	5.212332	5.144351	5.054739	5.066284	5.224213	4.946531	5.109451
CA9	ENSG00000107159	-1.59267	0.408565	-5.60403	2.85E-05	9.82E-05	2.6695	1.642349	1.849715	1.499186	0.52061	0.512209	0.830331	2.186178	2.702788	2.005764	1.028404	1.112482	0.921995	0.701742	0.550009	0.470356	1.784732	2.48331	1.910335
FUBP3	ENSG00000107164	-0.31817	7.43974	-7.5726	6.41E-07	3.74E-06	5.501469	7.47626	7.520225	7.473795	6.966314	7.089011	7.041684	7.213499	7.302434	7.294459	7.729714	7.702921	7.76419	7.547102	7.531386	7.518961	7.603624	7.631099	7.664791
TYRP1	ENSG00000107165	1.391795	-0.09653	9.086686	4.90E-08	4.36E-07	8.743777	0.216396	0.106501	0.219246	0.106501	0.106501	0.2349	0.106501	0.106501	0.256032	3.002038	3.034402	2.957162	4.369563	4.407733	4.359898	3.200096	3.058015	3.189613
CREB3	ENSG00000107175	0.061895	5.86825	1.675412	0.11165	0.151856	-6.37645	5.253402	5.404699	5.335175	5.346585	5.3917	5.408166	5.360933	5.289629	5.317474	6.366236	6.389229	6.49742	6.419607	6.541759	6.500099	6.453863	6.425856	6.414798
RGP1	ENSG00000107185	0.02551	6.520552	0.311502	0.759104	0.799698	-7.7665	6.037128	6.07618	6.080495	5.890028	5.707014	5.801988	6.309508	6.250046	6.084485	7.036665	6.984585	6.927485	7.228211	7.149649	7.18599	7.009226	6.929457	6.992255
MPDZ	ENSG00000107186	0.590338	4.947697	9.125566	4.60E-08	4.16E-07	8.566467	5.51233	5.480165	5.446484	5.938549	5.965622	6.015936	5.794634	5.656635	5.709835	4.037631	4.117695	3.764372	4.618846	4.513497	4.749288	4.23146	4.25315	4.242679
DDX58	ENSG00000107201	-0.8796	4.957238	-12.2327	5.33E-10	1.14E-08	13.08196	4.679091	4.80064	4.848876	3.647423	3.441741	3.722706	4.688362	4.759705	4.855099	5.766469	5.876072	5.886627	5.083973	5.149657	5.128745	5.838454	6.053325	6.000631
EDF1	ENSG00000107223	0.038891	7.832706	0.71465	0.484262	0.547712	-7.65291	7.875918	7.887162	7.924035	7.939201	8.040513	7.895282	7.683343	7.599354	7.733565	7.838537	7.722004	7.857551	7.829191	7.810723	7.841527	7.899651	7.891415	7.837571
PIP5K1B	ENSG00000107242	2.418432	-1.39259	5.950607	1.41E-05	5.36E-05	3.301574	1.384302	1.374745	1.358564	3.80351	3.670226	3.797394	2.752438	2.568641	2.723053	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GLIS3	ENSG00000107249	0.484617	5.061823	7.509224	7.18E-07	4.12E-06	5.664786	5.266237	5.234335	5.303557	5.598277	5.681033	5.686023	5.272444	5.241941	5.220718	4.592639	4.869913	4.698057	5.306202	5.23377	5.243746	4.563199	4.572242	4.353311
BAG1	ENSG00000107262	0.506291	6.117124	7.559065	6.56E-07	3.83E-06	5.643332	6.683998	6.700957	6.752747	7.233238	7.347254	7.263019	6.655407	6.581449	6.596689	5.200749	5.176975	5.241989	5.571804	5.703069	5.618582	5.398403	5.487362	5.335919
RAPGEF1	ENSG00000107263	0.562525	6.11211	5.378375	4.56E-05	0.000149	1.270666	6.372979	6.280761	6.357977	6.491324	6.599745	6.442243	6.636872	6.506377	6.544946	5.149472	5.288033	5.260219	6.218336	6.102069	6.157205	6.060808	6.062215	5.894855
NPDC1	ENSG00000107281	1.294274	4.69735	11.22158	2.05E-09	3.29E-08	11.79548	4.749336	5.091908	5.183625	6.416721	6.432686	6.217839	5.277239	5.088621	5.220718	3.294134	3.431133	3.630629	4.621778	4.557684	4.56581	4.171084	4.100421	3.744016
APBA1	ENSG00000107282	0.456437	0.147917	2.655252	0.016387	0.027416	-3.87884	0.41387	0.215206	0.421314	0.395333	0.25478	0.3528	0.106501	0.106501	0.256032	2.708071	2.714733	2.745712	3.100071	3.152313	3.234995	3.423579	3.366281	3.241681
SETX	ENSG00000107290	0.20543	6.81935	2.886488	0.010042	0.017724	-4.25294	6.550034	6.531292	6.558814	6.827712	6.711452	6.921604	6.222684	6.373876	6.164702	7.108238	7.112699	6.929765	7.193159	7.184013	7.225825	7.123928	7.098866	7.152985
PTGDS	ENSG00000107317	1.245388	-0.50307	3.279945	0.00429	0.008295	-2.25997	0.41387	0.215206	0.219246	0.258133	0.106501	0.106501	0.670238	0.253663	0.515351	1.52331	1.369793	1.653508	2.968056	2.743101	2.870883	1.734264	1.930959	1.58715
ABCA2	ENSG00000107331	0.829987	7.053386	8.968533	5.92E-08	5.12E-07	7.998749	6.555272	6.576571	6.807875	7.164108	7.371825	7.263019	7.09085	6.897684	7.09177	6.74524	6.852284	6.757586	7.883033	7.680078	7.765755	6.955854	6.900009	6.810269
SHB	ENSG00000107338	-0.32955	4.06736	-3.99753	0.000888	0.002041	-1.47311	3.801557	3.863696	3.93931	3.123142	3.31232	3.216292	3.586698	3.564249	3.543305	4.799721	4.836805	4.881185	4.595172	4.67539	4.70214	4.950708	4.971913	4.567359
UBE2R2	ENSG00000107341	-0.05924	6.655525	-1.20201	0.245392	0.303237	-7.07667	6.98506	7.072773	7.059539	6.869531	6.81662	6.868153	6.707851	6.785736	6.867543	6.483718	6.353497	6.464778	6.528294	6.458395	6.500099	6.399235	6.468832	6.37892
ABHD17B	ENSG00000107362	0.085639	4.484741	1.065236	0.301264	0.363267	-6.84449	4.664623	4.673038	4.76778	4.97738	4.911451	4.899045	4.980658	5.018308	5.082376	4.399867	4.251617	4.268117	4.230502	4.235431	4.247105	4.240529	4.083055	4.007286
EXOSC3	ENSG00000107371	-0.48897	4.776275	-5.4266	4.12E-05	0.000136	1.516581	4.957532	4.83937	4.813395	3.910405	4.020303	4.062605	4.122591	4.265167	4.444269	5.295783	5.434044	5.478369	5.049546	5.221337	5.126195	5.371825	5.248648	5.341895
ZFAND5	ENSG00000107372	0.000858	7.622037	0.030892	0.975706	0.979827	-7.89621	7.891016	7.800943	7.820048	7.852484	7.767127	7.845864	7.753846	7.7308	7.765097	7.477096	7.477383	7.454772	7.4784	7.5111	7.467526	7.426222	7.40636	7.407804
DVL1	ENSG00000107404	-0.30172	6.586679	-2.39122	0.028283	0.04463	-5.21435	6.466308	6.455753	6.624265	5.999011	6.228101	6.018168	5.913358	5.848324	5.800886	6.815186	7.047764	7.211342	6.883198	6.80101	6.829601	7.431181	7.308267	7.174073
PDLIM1	ENSG00000107438	0.045704	6.403916	0.292517	0.773336	0.811919	-7.76293	6.528888	6.590513	6.527679	5.910205	5.927456	5.757249	5.952856	5.991525	6.19974	6.598099	6.47291	6.594732	7.12866	7.101614	7.163789	6.338238	6.380376	6.433107
CCNJ	ENSG00000107443	-0.17453	4.467073	-2.45488	0.024833	0.039806	-4.65861	4.91334	4.973094	4.908943	4.790984	4.789085	4.71863	5.310366	5.314991	5.243285	3.938405	4.242453	4.16352	3.960951	3.832986	4.040604	4.161567	4.162364	4.203832
GATA3	ENSG00000107485	-0.81828	-0.9498	-1.74565	0.098424	0.135945	-4.75525	2.867343	2.674627	2.641489	1.791994	1.768674	1.714252	1.966276	1.809233	1.873138	0.106501	0.185134	0.16959	0.234608	0.106501	0.335616	0.326864	0.106501	0.214669
ATRNL1	ENSG00000107518	0.164234	-0.99894	0.943108	0.35848	0.423089	-5.79799	3.27548	3.012542	3.013906	3.181227	3.31232	3.292047	3.277716	3.063581	3.340558	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
HPS1	ENSG00000107521	0.44038	5.159393	9.068209	5.04E-08	4.47E-07	8.445684	6.131333	6.070765	6.108212	6.475936	6.546779	6.590627	5.946849	5.813157	5.791729	4.187508	4.077032	4.197974	4.580176	4.627193	4.519937	4.005409	4.047684	4.080593
PHYH	ENSG00000107537	0.140667	3.859939	1.45308	0.16392	0.21246	-6.11577	5.269428	5.435922	5.396406	5.59472	5.375591	5.384134	4.812472	4.715948	4.84333	2.763691	2.632935	2.983737	3.108457	3.120528	2.930541	2.639009	2.726388	2.277588
RASSF4	ENSG00000107551	0.871186	2.056378	5.411357	4.25E-05	0.00014	2.105647	2.609804	2.71221	2.700947	3.142765	3.132285	3.086148	2.908934	2.728183	2.047395	1.787595	1.616737	1.73919	2.760241	2.657091	2.604018	1.65509	1.581179	1.844513
DNMBP	ENSG00000107554	-0.09652	5.806461	-0.82982	0.417832	0.482933	-7.30864	6.027737	5.965765	6.104547	6.375851	6.30028	6.393204	6.44991	6.546187	6.515583	5.56792	5.669359	5.527363	4.984974	5.090728	5.084783	5.44622	5.456227	5.518482
RAB11FIP2	ENSG00000107560	-0.23411	4.614062	-2.94176	0.008921	0.015945	-3.67686	5.862195	5.785783	5.869964	5.59472	5.465853	5.822571	5.510962	5.595854	5.427983	4.020609	3.824119	3.829308	3.513977	3.819851	3.586098	3.730814	3.698248	3.444131
ERLIN1	ENSG00000107566	-0.35999	6.432578	-5.53768	3.27E-05	0.000111	1.583694	6.979225	6.955246	6.905885	6.751478	6.700177	6.829269	7.266307	7.278997	7.255025	6.162765	6.077605	6.105096	5.556562	5.595421	5.572511	6.125874	5.964444	6.041596
EIF3A	ENSG00000107581	0.008162	9.041302	0.243007	0.810829	0.842905	-7.9479	9.540583	9.503854	9.558124	9.571526	9.608027	9.656204	9.661709	9.641745	9.607363	8.559997	8.5393	8.49663	8.485754	8.462359	8.448667	8.444197	8.528527	8.483803
CUBN	ENSG00000107611	1.108237	0.44613	4.418648	0.000354	0.000903	0.194448	1.010037	0.875715	1.028027	1.519216	1.087782	1.422231	0.983587	1.549165	1.0941	1.239286	1.265082	1.126631	2.178139	2.016959	2.036756	0.974502	0.69947	1.273688
TRDMT1	ENSG00000107614	-0.32968	2.447236	-2.06971	0.053593	0.079166	-4.90049	2.884092	3.042358	2.900124	2.425456	2.633282	2.581827	3.33403	3.063581	3.064594	2.955028	2.727926	2.569785	2.412911	2.642244	2.574402	2.075685	2.37332	2.419973
DDX50	ENSG00000107625	-0.00231	5.502515	-0.04672	0.963263	0.969701	-7.65448	5.759279	5.647129	5.525355	5.753112	5.507103	5.754573	5.570773	5.643348	5.653661	5.36934	5.481554	5.504604	5.403118	5.40626	5.469685	5.408497	5.396559	5.380146
MAPK8	ENSG00000107643	-0.20779	4.586429	-2.33038	0.031994	0.049829	-4.95932	5.167074	5.151261	5.152017	4.753186	4.628433	4.918297	5.043928	5.07384	5.072328	4.468423	4.353024	4.355501	4.234338	4.488812	4.377153	3.962207	4.200441	4.292899
SEC23IP	ENSG00000107651	0.03099	6.185386	0.739092	0.469661	0.533146	-7.42805	7.009119	7.022236	6.978763	6.980014	6.935393	6.975445	6.928119	6.921271	6.925905	5.376047	5.417853	5.527363	5.592876	5.552391	5.526854	5.434414	5.35134	5.302602
ATE1	ENSG00000107669	-0.20203	5.427574	-2.81437	0.011711	0.020311	-4.15932	5.738706	5.82919	5.901987	5.650615	5.677752	5.646163	6.119658	6.227963	6.178819	5.141621	5.113047	5.193482	4.856446	4.959137	4.932613	5.100173	4.993761	5.084719
NSMCE4A	ENSG00000107672	-0.24138	4.418496	-3.32313	0.003904	0.007624	-2.92217	4.863535	4.881217	4.974661	4.40878	4.478119	4.598452	4.544628	4.741115	4.831463	4.404248	4.278766	4.421787	4.312636	4.274468	4.25646	4.083081	4.123255	4.305185

PLEKHA1	ENSG00000107679	-0.43805	5.260701	-3.60743	0.002094	0.004382	-2.42317	6.746015	6.733307	6.742171	6.038828	5.899563	5.935541	5.919505	5.975709	5.866318	4.541844	4.517806	4.472706	4.598153	4.649638	4.519937	3.962207	4.293974	4.129778
PALD1	ENSG00000107719	-0.03059	-0.18775	-0.07062	0.944502	0.954284	-6.23054	3.041689	3.182839	3.296854	3.181227	3.656958	3.548316	2.858632	2.777669	2.670735	0.269074	0.330605	0.230035	0.106501	0.106501	0.186984	0.257084	0.19538	0.315289
UNC5B	ENSG00000107731	0.32745	0.511061	1.390728	0.181763	0.232621	-5.42514	1.826927	2.206444	2.079636	2.21912	2.762786	2.196611	2.26554	2.184314	2.376228	0.88529	0.640699	0.54756	0.5125	0.938214	0.707101	0.837776	0.572487	0.580851
VSIR	ENSG00000107738	-0.02779	4.955744	-0.1133	0.911084	0.927362	-7.48464	6.052028	6.12924	6.120966	5.307999	5.438974	5.2875	5.856819	5.824975	5.875015	3.991785	3.780465	4.12026	5.012045	4.869552	4.832959	3.854102	3.955266	3.914098
SPOCK2	ENSG00000107742	-0.03464	-0.4598	-0.10151	0.920302	0.934807	-6.1906	2.021155	1.849715	2.274882	1.933905	1.437317	1.919272	1.648695	1.809233	1.445026	0.34397	0.330605	0.230035	0.294634	0.484926	0.707101	0.257084	0.19538	0.409347
MICU1	ENSG00000107745	0.09871	5.943647	1.868869	0.078494	0.11121	-5.99543	6.826208	6.845372	6.816862	6.866584	6.853435	6.768241	6.686381	6.679089	6.660121	5.170202	5.137972	5.160861	5.35987	5.306201	5.461619	4.936827	4.884398	5.073988
PPP3CB	ENSG00000107758	-0.51032	5.223401	-5.24108	6.07E-05	0.000191	1.14898	6.298404	6.290111	6.219134	6.095309	6.023629	5.923682	5.860019	5.807211	5.813006	4.877414	4.842882	4.941174	4.110387	4.10615	4.040604	4.654234	4.460128	4.494122
CCSER2	ENSG00000107771	0.334087	4.992556	4.58411	0.000247	0.000657	-0.27638	5.460225	5.416131	5.458019	5.525403	5.554381	5.705548	5.435754	5.484771	5.220718	4.509673	4.407337	4.478947	4.931624	4.947106	5.009321	4.410866	4.517274	4.274271
BMPR1A	ENSG00000107779	0.562636	4.920095	5.829902	1.80E-05	6.57E-05	2.459937	5.237197	5.231103	5.194009	6.004384	5.716638	6.053425	5.946849	6.060626	6.031013	4.14101	4.008408	4.067404	4.376523	4.354074	4.389961	4.311095	4.167865	4.280507
MINPP1	ENSG00000107789	0.627873	5.834011	7.067656	1.61E-06	8.27E-06	4.753701	5.956277	6.026697	5.916691	6.966314	6.768082	6.807492	6.483493	6.577961	6.62102	4.974897	5.191334	5.202938	5.468097	5.438844	5.403856	5.235596	5.193075	5.296461
ACTA2	ENSG00000107796	0.35188	2.646893	1.846171	0.081874	0.115424	-5.1433	4.48962	4.634406	4.706239	4.99368	5.064996	5.080903	4.057185	4.166444	4.011347	1.457372	1.672391	1.305813	1.597456	1.203912	1.390007	1.627702	1.442809	1.546329
LIPA	ENSG00000107798	0.470292	6.427945	9.350043	3.22E-08	3.07E-07	8.715628	6.914458	6.881904	6.8761	7.469129	7.276361	7.383935	6.897303	6.899082	6.867543	5.694953	5.691415	5.542338	5.994577	6.116912	6.144664	5.808277	5.716735	5.870258
TWNK	ENSG00000107815	-0.28745	6.354528	-3.72741	0.001609	0.003456	-2.36995	6.990871	7.010971	6.929899	6.392338	6.461589	6.372415	6.815607	6.762879	6.7289	6.088476	5.9886	6.043273	6.0834	5.995119	6.012871	5.983245	5.983288	6.076062
LZTS2	ENSG00000107816	0.640952	5.481495	9.017659	5.47E-08	4.78E-07	8.268489	5.533718	5.639833	5.602736	6.154502	6.350594	6.049065	5.726144	5.5324	5.616111	4.806358	4.854958	4.950186	5.622454	5.458046	5.530714	5.319295	5.276925	5.262209
SFXN3	ENSG00000107819	0.085109	5.482991	1.203592	0.244796	0.302659	-6.91975	5.474121	5.520446	5.426074	5.156973	5.411586	5.2875	5.61311	5.682848	5.591697	5.272006	5.413777	5.403251	5.650003	5.659495	5.625819	5.623057	5.748292	5.731481
KAZALD1	ENSG00000107821	0.882226	3.204177	3.77584	0.001446	0.003137	-1.57178	3.476616	3.608619	3.431666	5.087795	4.86605	4.788301	4.293266	4.203129	3.90213	2.620402	2.531245	2.957162	2.591031	2.50126	2.618601	2.432936	2.634012	2.442395
FBXW4	ENSG00000107829	-0.22808	4.563329	-1.76576	0.094898	0.131674	-5.908	5.747885	5.708855	5.812715	5.359221	5.407631	5.280077	4.659269	4.866483	4.929347	4.076585	3.913441	3.848714	3.904282	4.056619	3.979775	3.951202	4.047684	3.848451
NPM3	ENSG00000107833	-0.6921	5.591216	-6.02784	1.21E-05	4.68E-05	2.705058	6.481521	6.566346	6.491655	5.268353	5.565074	5.363212	6.048517	5.871301	6.061811	5.419984	5.386997	5.453233	5.202303	5.068687	5.208029	5.280253	5.232987	5.252725
TNKS2	ENSG00000107854	0.453311	6.162767	6.407293	5.69E-06	2.43E-05	3.37885	6.232898	6.245949	6.215741	6.913032	6.847607	6.928742	6.386973	6.32478	6.470386	5.957461	5.895203	5.775677	6.095052	6.092543	6.125647	5.6708	5.541343	5.598033
GBF1	ENSG00000107862	0.363195	6.677963	5.943644	1.43E-05	5.42E-05	2.381505	6.828373	6.754852	6.840189	7.311179	7.352408	7.444948	7.013934	7.022245	6.949428	6.26628	6.326647	6.202588	6.486279	6.395597	6.377914	6.320173	6.296221	6.285892
ARHGAP21	ENSG00000107863	0.720926	6.08525	3.880308	0.001149	0.002554	-1.95171	6.229625	6.277631	6.252636	7.496077	7.548362	7.662503	7.129812	7.108174	7.198405	5.295783	5.323231	5.256592	5.273015	5.104334	5.161481	5.332078	5.269267	5.09537
CPEB3	ENSG00000107864	0.018027	1.656542	0.106656	0.916277	0.931715	-6.82151	1.286899	1.508929	1.667608	1.933905	1.996426	1.919272	1.588238	1.988058	1.777424	2.763691	2.714733	2.558044	2.357702	2.700737	2.276326	2.034568	2.354144	2.119598
FBXL15	ENSG00000107872	0.769778	2.862764	5.036715	9.35E-05	0.000279	1.172964	3.114469	3.450822	3.698006	4.132759	4.293254	3.878271	3.219115	2.801791	3.124172	2.18395	2.303453	2.460504	3.02232	2.950162	3.075009	2.666185	2.770449	2.174206
CUEDC2	ENSG00000107874	0.073075	5.571756	1.125882	0.275438	0.335886	-6.98046	6.289001	6.253935	6.160332	6.095309	6.147385	6.182445	6.259498	6.225736	6.106808	4.936085	4.84591	4.970258	5.088219	5.277664	5.168932	4.891489	4.987552	5.01537
SUFU	ENSG00000107882	0.495709	3.909131	4.742562	0.000175	0.000486	0.309812	3.783815	3.704977	3.88052	4.43289	4.56592	4.580436	4.504297	4.55497	4.404775	3.77884	3.640966	3.613714	3.946991	3.839509	3.831176	3.651445	3.675254	3.761956
ANKRD26	ENSG00000107890	-0.43198	2.556131	-4.13872	0.000652	0.001548	-0.6786	3.183753	3.235413	3.454879	2.577385	2.881616	2.924168	3.258446	3.302095	3.218306	2.574485	2.66072	2.581432	2.399306	2.363215	2.276326	2.625227	2.274787	2.59029
ACBD5	ENSG00000107897	-0.11594	5.841188	-2.52271	0.021595	0.035116	-4.85654	6.129578	6.12924	6.163858	5.92161	5.902377	6.033699	5.824425	5.927193	5.650287	5.852352	5.902494	5.954255	5.853284	5.882764	5.813395	5.501961	5.566553	5.600528
LHPP	ENSG00000107902	1.210823	2.969852	12.87639	2.37E-10	6.09E-09	14.04769	1.791852	1.708084	1.888281	3.20008	3.033076	3.152687	2.696258	2.728183	3.044176	3.165825	3.204502	3.325935	4.275881	4.169652	4.169997	4.026533	3.876817	3.823043
LARP4B	ENSG00000107929	-0.24993	6.262123	-4.71274	0.000187	0.000513	-0.19883	6.622943	6.579116	6.628099	6.220625	6.278786	6.215895	6.623754	6.666008	6.601937	6.091196	6.171129	6.106104	6.014793	5.941552	6.000398	6.067194	5.997261	6.245022
GTPBP4	ENSG00000107937	-0.59603	7.421091	-8.7755	8.11E-08	6.64E-07	7.660154	8.040446	8.072421	7.988091	7.167704	7.197228	7.230656	7.81283	7.782473	7.774424	7.403499	7.331598	7.399508	7.002732	7.019258	7.020146	7.153636	7.142829	7.201446
EDRF1	ENSG00000107938	-0.26884	5.301325	-4.59579	0.000241	0.000643	-0.31185	5.754732	5.557053	5.594921	5.487537	5.57921	5.490866	5.559008	5.592401	5.512161	5.233128	5.299125	5.267448	4.99179	4.824228	4.810905	5.17303	5.187669	5.194471
BCCIP	ENSG00000107949	-0.67919	6.484318	-11.3705	1.67E-09	2.80E-08	11.77485	7.322694	7.397267	7.258994	6.454505	6.452019	6.497692	7.066126	7.029924	7.067947	6.29959	6.252125	6.328875	5.826847	5.733157	5.872388	6.067194	6.068111	6.041596
MTPAP	ENSG00000107951	0.560136	4.440759	8.865516	7.00E-08	5.90E-07	8.17616	4.059241	4.101775	4.124423	4.833866	4.668652	4.685302	4.864381	4.765849	4.855099	4.026306	4.162112	4.271716	4.673561	4.561635	4.610269	4.62683	4.542904	4.735671
SH3PXD2A	ENSG00000107957	-0.16438	4.319443	-0.99645	0.332626	0.396252	-6.91556	3.810347	3.863696	3.947516	4.424898	4.507984	4.499659	4.245129	4.389749	4.189248	4.652797	4.732663	4.488257	4.046359	3.993677	4.114488	5.137061	5.048468	5.019105
PITRM1	ENSG00000107959	-0.38877	6.828723	-5.96586	1.37E-05	5.22E-05	2.426865	7.409134	7.419448	7.403949	7.191452	7.181098	7.196566	7.566764	7.530654	7.505203	6.616154	6.582282	6.615415	6.080206	6.00095	6.046965	6.332948	6.265761	6.227376
STN1	ENSG00000107960	-1.0609	4.15861	-6.36473	6.19E-06	2.62E-05	3.707656	5.801771	5.585177	5.707924	4.209199	4.186495	4.138446	4.998191	5.063901	4.923769	3.851231	3.682218	3.602326	3.416036	3.320292	3.445943	3.552967	3.529023	3.540816
MAP3K8	ENSG00000107968	0.320585	3.273655	2.049349	0.055744	0.082021	-5.01791	4.357924	4.354415	4.145977	4.694564	4.836932	4.622128	4.87074	4.911516	4.758139	2.409929	2.604605	2.409144	2.399306	2.549802	2.365487	2.075685	2.146913	2.033602
DKK1	ENSG00000107984	-0.33226	5.741209	-2.40474	0.027514	0.043543	-5.04096	6.786668	6.624173	6.675804	5.765822	5.888253	5.875244	6.042896	6.00976	6.185827	5.328427	5.338363	5.37006	5.597352	5.464391	5.596651	5.069967	5.132464	5.119922
GLRX3	ENSG00000108010	-0.71715	6.625537	-20.1071	1.59E-13	2.86E-11	21.27648	7.644832	7.607579	7.591712	6.845783	6.807642	6.848215	7.302038	7.29926	7.311645	6.300766	6.279264	6.325416	5.682663	5.708425	5.625819	6.098704	6.12437	6.157942
TASOR2	ENSG00000108021	-0.1228	7.343141	-3.47276	0.002814	0.005686	-3.04024	7.406238	7.341398	7.412126	7.244634	7.322258	7.335525	7.400917	7.353303	7.289046	7.436495	7.521143	7.344607	7.269928	7.287828	7.277284	7.348666	7.340291	7.409939
XPNPEP1	ENSG00000108039	-0.19143	5.982503	-2.69847	0.014965	0.025284	-4.49805	6.685193	6.722987	6.542653	6.316613	6.196355	6.225588	6.247331	6.383897	6.413815	5.542307	5.584869	5.643029	5.650003	5.574066	5.64197	5.677494	5.572787	5.50523
SMC3	ENSG00000108055	-0.21571	6.102002	-5.63324	2.69E-05	9.32E-05	1.813257	6.396519	6.480468	6.40492	6.340176	6.239272	6.19434	6.619984	6.646162	6.660121	5.834606	5.877552	5.748815	5.574833	5.518239	5.607658	6.02583	6.023291	6.045263
SHOC2	ENSG00000108061	0.659443	5.028469	5.945596	1.42E-05	5.40E-05	2.65397	5.089762	5.022548	4.990634	6.020383	5.87112	5.902086	5.83747	5.896721	6.002193	4.35077	4.498689	4.348702	4.701546	4.686287	4.778803	4.434767	4.508628	4.461559
TFAM	ENSG00000108064	-0.50327	6.462078	-10.7613	3.90E-09	5.58E-08	10.88339	6.767614	6.884992	6.787448	6.238973	6.319354	6.259951	6.700729	6.775114	6.815784	6.564237	6.552929	6.609028	6.138693	6.059398	6.137087	6.336125	6.376817	6.301309
CCDC6	ENSG00000108091	-0.01545	6.878108	-0.24931	0.806026	0.83883	-7.7995	7.160298	7.119852	7.127028	7.171291	7.042579	7.047161	7.12583	7.15691	7.200713	6.738315	6.798584	6.740157	6.732656	6.777423	6.805904	6.400247	6.398038	6.49475
CUL2	ENSG00000108094	-0.12429	5.594288	-2.22346	0.039635	0.06037	-5.35057	5.86008	5.844079	5.856953	5.775282	5.745129	5.654797	6.15656	6.161941	6.049058	5.283944	5.421918	5.429264	5.326113	5.221337	5.234307	5.465685	5.487362	5.2872
CCNY	ENSG00000108100	1.208395	5.761312	18.50976	6.34E-13	8.06E-11	19.9042	5.000411	5.113136	5.116065	6.13993	6.094235	6.172458	6.337326	6.288964	6.206646	5.043915	4.997958	4.925267	6.331014	6.225488	6.227866	6.007353	6.075448	5.930982
UBE2S	ENSG00000108106	-1.03723	6.717293	-12.5428	3.59E-10	8.32E-09	13.34589	6.722924	6.832631	6.880393	6.05704	6.142633	6.059941	7.29378	7.223157	7.256136	7.021059	7.079632	7.246516	5.874336	5.858882	5.821296	7.423238	7.279333	7.114232
RPL28	ENSG00000108107	0.211319	9.092308	5.288961	5.49E-05	0.000175	0.810146	8.801099	8.758692	8.817447	8.950719	9.122362	8.880099	9.102346	8.976641	9.007444	9.186113	9.090756	9.049759	9.279172	9.3816	9.348688	9.267322	9.327104	9.363782
ZMIZ1	ENSG00000108175	-0.07302	7.07986	-2.10819	0.049731	0.074053	-5.73521	7.788541	7.829012	7.855913	7.714238	7.818678	7.807012	7.810351	7.710238	7.776747	6.394039	6.497192	6.411127	6.332804	6.341475	6.316627	6.430279	6.409694	6.416214
DNAJC12	ENSG00000108176	-0.03385	4.196391	-0.34582	0.733604	0.776973	-7.20428	5.799565	5.779158	5.678645	5.910205	5.806499	5.935541	4.819063	4.922558	4.929347	3.411958	3.463043	3.641797	3.116795	3.213858	3.085545	2.679583	2.696248	2.687355
PPIF	ENSG00000108179	-1.39158	7.660864	-22.8068	1.89E-14	8.18E-12	23.41079	9.297536	9.298736	9.317369	7.885617	7.956368	7.93008	9.563309	9.521847	9.512544	6.970249	6.786813	6.983973	5.558094	5.528368	5.528785	6.90186	6.73655	6.825277
PBLD	ENSG00000108187	1.246211	2.491757	11.68141	1.10E-09	2.04E-08	12.50272	2.707144	2.71221	2.739267	4.142539	3.832443	3.744443	2.981245	2.894433	3.124172	1.865926	1.827525	2.038602	2.738794	2.997596	2.795875	2.055273	2.169028	2.350536
TSPAN14	ENSG00000108219	-0.2208	6.357334	-1.91387	0.072157	0.103206	-5.8894	8.208209	8.120822	8.161696	7.605305	7.709655	7.68305	8.014389	7.969775	7.996578	4.581075	4.555295	4.626781	4.98725	4.774033	4.873042	5.039116	4.975054	5.09537
TBC1D12	ENSG00000108239	-0.1836	3.558547	-2.09329	0.051196	0.076012	-5.08167	4.252223	4.236845	4.382257	4.299384	3.844198	4.088331	4.367093	4.467202	4.313883	3.102524	3.136872	3.141546	3.039964	2.974074	3.021143	3.043104	3.458949	3.267027
NUFIP2	ENSG00000108256	-0.32266	7.991567	-9.07558	4.99E-08	4.42E-07	8.12872	8.481555	8.435766	8.4712	8.15446	8.138633	8.217241	8.344141	8.399325	8.316359	7.835295	7.835297	7.728952	7.398161	7.482732	7.470042	7.704969	7.716636	7.826426
GIT1	ENSG00000108262	0.006494	6.769339	0.070462	0.944626	0.954341	-7.82743	7.036534	7.002463	7.030862	6.910172	7.100083	6.952282	6.55434	6.461656	6.51187	6.667178	6.634884	6.657976	6.736042	6.720251	6.656679	6.811947	6.872476	6.777574
RPL19	ENSG00000108298	-0.19373	10.12586	-6.21915	8.24E-06	3.36E-05	2.710217	10.59353	10.59062	10.58169	10.34808	10.42114	10.31454	10.44519	10.44934	10.46879	9.942051	9.813072	9.819629	9.673413	9.717078	9.704776	9.744597	9.800241	9.862529
FBXL20	ENSG00000108306	0.523213	3.545996	6.855719	2.40E-06	1.17E-05	4.659932	3.349713	3.196163	3.371944	3.661095	3.31232	3.689474	3.238915	3.302095	3.4839	3.805587	3.741965	3.602326	4.287006	4.317159	4.315833	3.799922	3.793856	3.823043
UBTF	ENSG00000108312	0.177174	7.613394	4.715908	0.000186	0.000511	-0.32011	7.558775	7.608825	7.612505	7.799383	7.891291	7.791435	8.108872	8.041801	8.061512	7.258577	7.309279	7.276381	7.409234	7.420463	7.375539	7.572991	7.532194	7.551391
PSMD3	ENSG00000108344	-0.01056	7.603649	-0.26884	0.791199	0.826265	-7.84767	7.920746	7.965116	7.904672	7.832233	7.823881	7.794043	8.053347	8.036094	8.046834	7.209976	7.167592	7.266945	7.286652	7.305605	7.325304	7.406213	7.366843	7.295282
CASC3	ENSG00000108349	-0.4411	7.285392	-12.5452	3.58E-10	8.32E-09	13.29279	7.639909	7.599454	7.606688	7.107814	7.03234	7.090237	7.478957	7.536955	7.518216	7.316097	7.294945	7.312645	6.943031	6.971059	6.967715	7.283801	7.279333	7.331773
RAPGEFL1	ENSG00000108352	-0.98021	3.730031	-7.2435	1.17E-06	6.26E-06	5.443588	4.172655	4.065935	4.351665	2.81607	2.948483	2.741673	4.274204	4.212157	4.428601	4.182415	4.200477	4.132188	3.520276	3.583837	3.509921	4.194605	4.011424	3.897964
RNF43	ENSG00000108375	-0.24182	3.195693	-2.62224	0.017559	0.029153	-4.46991	1.755904	1.465573	1.499186	1.933905	2.229385	2.064596	1.317361	1.15884	1.244857	5.575711	5.613586	5.509184	5.26928	5.191052	5.280893	5.416521	5.462956	5.365554
WNT3	ENSG00000108379	-0.67795	2.161362	-4.67674	0.000202	0.00055	0.564942	3.454357	3.273623	2.900124	2.48816	2.429905	2.865864	2.806512	2.753138	2.748518	2.320032	2.032826	2.546206	1.733794	1.819936	1.947161	2.154563	2.212266	2.14716
RAD51C	ENSG00000108384	-0.87498	4.75517	-7.51789	7.07E-07	4.07E-06	5.730296	5.350006	5.343146	5.214556	4.619522	4.522687	4.72411	4.479546	4.569092	4.3476	5.175339	5.167323	5.229089	4.163669	4.354074	4.284167	5.08263	4.956102	5.022829
MTMR4	ENSG00000108389	0.900661	5.145407	5.022603	9.63E-05	0.000287	0.561477	3.738482	3.676739	3.678418	5.529135	5.454395	5.541409	3.879385	3.924273	3.783962	5.719774	5.779586	5.75397	6.336378	6.253845	6.160946	6.117284	6.084202	6.18645
TRIM37	ENSG00000108395	0.188359	5.840903	3.31563	0.003969	0.007734	-3.23134	5.388667	5.538865	5.378308	5.598277	5.518152	5.66623	5.715585	5.851216	5.719525	6.024455	6.042395	6.108119	6.279029	6.179952	6.307655	6.091204	6.130018	6.072473
DHX40	ENSG00000108406	0.233224	6.661891	5.849808	1.73E-05	6.37E-05	2.157817	6.464917	6.461282	6.395953	6.580359	6.561094	6.521493	6.153955	6.214549	6.188155	6.858938	6.898961	6.884647	7.19857	7.206897	7.199391	6.823309	6.716982	6.854832
TUBD1	ENSG00000108423	0.009368	3.665497	0.104356	0.918075	0.933011	-7.2851	3.19722	2.966631	3.133821	3.54791	3.47236	3.27721	3.586698	3.798055	3.879258	4.167027	4.056262	4.083875	3.913883	4.034047	3.933868	4.353508	4.49118	4.216898
KPNB1	ENSG00000108424	0.053404	9.060773	0.620829	0.542724	0.603295	-7.78603	8.900402	8.899998	8.891094	9.326256	9.257059	9.333458	9.486714	9.486939	9.453526	8.957019	8.938236	8.897208	8.643207	8.649623	8.648866	9.112314	9.107621	9.155631
GOSR2	ENSG00000108433	0.329964	5.312939	5.728682	2.21E-05	7.86E-05	2.091937	5.180696	5.201677	5.1197	5.333837	5.317749	5.345543	5.262806	5.155666	5.427983	5.093595	5.240494	5.204822	5.652873	5.503938	5.680705	5.526265	5.554003	5.502565
PNPO	ENSG00000108439	-0.21984	4.708902	-2.41932	0.026708	0.042436	-4.8669	5.118357	5.10962	5.049003	4.927344	4.860273	4.97456	4.367093	4.365678	4.428601	4.839091	4.827642	4.850228	4.555854	4.553723	4.72927	4.787047	4.687803	4.749225
RPS6KB1	ENSG00000108443	0.928878	6.167246	14.70188	2.81E-11	1.29E-09	16.00005	5.20423	5.041126	5.060398	6.305774	6.147385	6.333504	6.309508	6.230187	6.315012	5.918171	5.972062	5.899478	6.673834	6.667151	6.687266	6.926654	6.792823	6.931137
TRIM16L	ENSG00000108448	-0.42966	6.586411	-3.50505	0.002622	0.005347	-2.84566	7.496144	7.50692	7.463102	6.90874	6.85634	6.811359	7.863133	7.740972	7.78523	6.000057	5.852172	6.012415	5.761881	5.722609	5.840085	5.811323	5.707321	5.740557
CDK5RAP3	ENSG00000108465	0.242899	5.719745	3.805548	0.001355	0.002956	-2.13915	5.999192	5.839841	5.929176	6.007062	6.015855	6.033699	5.781194	5.730749	5.719525	5.598832	5.681277	5.451648	5.914344	5.86369	6.012871	5.203493	5.387157	5.299535
CBX1	ENSG00000108468	-0.22267	6.516778	-4.45687	0.000325	0.00084	-0.79431	6.801072	6.89524	6.733892	6.497053	6.41309	6.410303	6.742939	6.831855	6.803687	6.389627	6.411886	6.428159	6.306622	6.369917	6.291819	6.434237	6.43044	6.404842
RECQL5	ENSG00000108469	-0.26621	5.140439	-3.11368	0.006158	0.011469	-3.59598	4.855064	4.843609	5.082923	4.367681	4.110665	4.186878	4.496094	4.238905	4.444269	6.093911	6.003595	6.008106	5.979798	5.90936	6.007341	5.564682	5.627716	5.554952
PIGL	ENSG00000108474	-0.79394	3.245226	-6.54636	4.34E-06	1.93E-05	4.155976	3.819083	3.863696	3.971859	2.577385	2.605925	3.335661	3.352323	3.232814	3.357206	3.901688	3.919204	3.602326	3.165832	3.272884	3.370406	3.281432	3.287607	3.291935
GALK1	ENSG00000108479	0.34358	4.637731	3.230496	0.004778	0.00913	-3.16516	4.884496	4.945746	5.155563	5.041505	5.119213	4.942007	5.066264	4.77806	4.99996	4.087524	3.986619	4.415294	4.795429	4.743056	4.778803	4.311095	4.40994	4.115895
INTS2	ENSG00000108506	-0.70383	5.589474	-12.0527	6.73E-10	1.38E-08	12.78945	6.023964	5.860909	6.021469	5.388282	5.387689	5.474701	5.83422	5.78015	5.813006	5.973766	5.939825	5.888972	5.113436	5.046305	5.217641	5.522553	5.449467	5.43987
CAMTA2	ENSG00000108509	-0.34824	5.032234	-3.21735	0.004917	0.009362	-3.24245	5.658224	5.59527	5.712747	4.955356	5.034541	4.960699	5.78793	5.682848	5.842866	4.685565	4.722812	4.649089	4.790225	4.545767	4.653399	4.694387	4.784083	4.675424
MED13	ENSG00000108510	0.0442	7.316868	0.920803	0.369689	0.434553	-7.44291	7.0726	7.108445	7.208672	7.302482	7.212045	7.372638	7.328845	7.243113	7.255025	7.514053	7.508775	7.331304	7.359161	7.405703	7.398959	7.40722	7.426006	7.417033
HOXB6	ENSG00000108511	0.41317	-1.56044	1.503374	0.150597	0.197564	-5.11015	2.245129	2.513665	2.049454	2.714828	2.398361	2.924168	2.058296	1.809233	1.674905	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ENO3	ENSG00000108515	-0.69952	1.887072	-4.24388	0.000518	0.001266	-0.28022	3.385444	3.310847	3.565652	2.359902	2.737798	2.629332	2.832807	2.894433	3.044176	1.423238	1.875739	1.73919	1.644349	1.560439	1.320349	1.734264	1.67689	1.58715
PFN1	ENSG00000108518	-0.23555	9.083348	-3.75467	0.001515	0.003273	-2.52623	9.712934	9.742496	9.762501	9.423966	9.539191	9.415351	9.554201	9.447109	9.572588	8.578289	8.556734	8.624044	8.379759	8.405519	8.418252	8.831109	8.798994	8.79005
RNF167	ENSG00000108523	-0.34508	6.86713	-9.26433	3.69E-08	3.45E-07	8.518643	7.574984	7.567129	7.544479	7.122712	7.162441	7.179712	7.171619	7.001567	7.053973	6.764112	6.667775	6.762711	6.489493	6.441343	6.42845	6.347711	6.302487	6.265602
SLC25A11	ENSG00000108528	0.034894	5.944523	0.436995	0.667466	0.717326	-7.58856	6.219762	6.211917	6.245997	6.54945	6.530503	6.44058	6.732502	6.60563	6.52298	5.627223	5.535075	5.571831	5.336859	5.384121	5.330457	5.587961	5.603561	5.425873
RASD1	ENSG00000108551	-2.32124	0.951944	-15.3869	1.34E-11	7.73E-10	16.57226	1.12723	0.875715	0.756332	0.395333	0.25478	0.2349	0.548589	0.622068	0.735084	3.818776	3.774119	4.083875	1.954519	1.819936	1.876113	4.052512	4.184245	4.051715
RAI1	ENSG00000108557	0.368328	6.477137	6.087297	1.07E-05	4.21E-05	2.66743	5.876913	5.841962	5.899874	6.183212	6.493661	6.354858	6.056907	5.871301	5.961941	6.623688	6.800927	6.853766	7.077252	7.035684	7.050042	7.058131	6.97096	6.89298
NUP88	ENSG00000108559	0.096974	6.04472	2.026406	0.058262	0.085322	-5.78684	5.970071	6.125763	6.108212	6.290462	6.28095	6.284269	6.217704	6.227963	6.256309	5.829728	5.901039	5.945268	5.946273	5.885918	5.821296	6.053108	5.989515	6.077854
C1QBP	ENSG00000108561	-0.52425	8.020509	-10.5054	5.63E-09	7.46E-08	10.39281	8.670815	8.694419	8.662808	8.029589	7.957045	7.985894	8.437594	8.479554	8.49294	7.853834	7.794337	7.865909	7.48405	7.445801	7.499887	7.777635	7.642999	7.701856
BLMH	ENSG00000108578	-0.05215	0.767446	-0.20442	0.840385	0.867866	-6.30107	5.954295	6.043381	5.972044	5.952514	5.976344	6.033699	6.200136	6.201009	6.133632	0.190076	0.185134	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CPD	ENSG00000108582	0.190103	8.148564	0.915555	0.37236	0.437044	-7.49633	7.969137	8.010604	8.045605	9.034186	8.975119	9.116983	8.506596	8.532317	8.547001	8.180977	8.235606	8.119868	7.498878	7.518741	7.553525	7.640917	7.600405	7.688435
GOSR1	ENSG00000108587	-0.47023	6.842389	-11.1639	2.22E-09	3.50E-08	11.43266	7.157717	7.153539	7.162711	6.591112	6.577031	6.590627	7.104404	7.024809	7.03081	6.965068	6.920669	6.981777	6.548466	6.576342	6.616376	6.766369	6.779408	6.851694
CCDC47	ENSG00000108588	-0.01452	7.842921	-0.25507	0.801645	0.834881	-7.8873	7.453996	7.556837	7.494246	7.676871	7.559992	7.737583	7.781953	7.830895	7.80963	8.099224	8.112745	8.144613	7.97447	7.951743	7.947848	8.047133	8.016747	8.094084
MED31	ENSG00000108590	-0.03109	3.909418	-0.44576	0.66124	0.711494	-7.24564	3.936145	4.014214	3.863273	3.840029	3.747367	4.000731	3.953155	3.736817	3.771595	4.281009	4.045764	4.100159	4.15964	4.127629	4.109334	3.98397	4.328771	4.108904
DRG2	ENSG00000108591	-0.36349	5.753257	-5.25183	5.94E-05	0.000187	1.043144	6.466308	6.475012	6.41679	5.836811	5.907988	5.875244	6.09814	6.104921	6.109268	5.619706	5.393221	5.582013	5.43514	5.423729	5.31263	5.297735	5.294635	5.423057
FTSJ3	ENSG00000108592	0.172157	7.759251	2.624216	0.017487	0.029055	-4.87311	6.543459	6.492668	6.471878	6.964937	7.016845	7.017339	6.753301	6.79177	6.841156	8.754428	8.779593	8.770027	8.740667	8.690113	8.760334	8.825658	8.815079	8.792507
AKAP10	ENSG00000108599	-0.18412	5.40327	-3.03921	0.007234	0.013243	-3.7285	5.979843	5.969649	5.931247	5.583994	5.617385	5.562977	5.502797	5.339915	5.54523	5.309864	5.22894	5.29777	5.271149	5.255884	5.292308	5.100173	5.072132	5.037632
ALDH3A1	ENSG00000108602	-1.70017	5.661635	-8.82601	7.47E-08	6.21E-07	8.13265	8.851738	8.849243	8.867231	6.73864	7.038748	6.859464	8.060319	8.251177	8.105903	3.64455	3.774119	3.986493	3.288992	3.338827	3.234995	3.455083	3.404065	3.487904
SMARCD2	ENSG00000108604	-0.06295	6.969269	-1.39863	0.179419	0.229952	-6.87979	6.435391	6.415023	6.435874	6.384118	6.4654	6.365418	6.508178	6.506377	6.483715	7.479693	7.391898	7.477156	7.327634	7.369539	7.40107	7.791199	7.714288	7.723188
ICAM2	ENSG00000108622	-0.63475	-0.56992	-1.27783	0.21802	0.27311	-5.72239	1.069823	1.002471	1.202741	0.106501	0.106501	0.2349	0.106501	0.106501	0.515351	1.239286	1.616737	1.585733	1.524131	1.766169	1.639204	1.85727	1.851139	1.844513
SYNGR2	ENSG00000108639	0.295451	7.664416	2.695162	0.015069	0.025442	-4.7091	7.456098	7.543868	7.551899	7.614996	7.774824	7.606483	7.082655	7.03502	7.12131	7.660432	7.587335	7.657505	8.099893	8.054845	8.009663	8.146363	8.062137	8.02983
B9D1	ENSG00000108641	0.800783	3.702111	8.028135	2.87E-07	1.90E-06	6.874957	3.551922	3.936954	3.586821	4.052041	4.258538	4.226032	4.225415	3.967564	4.270596	3.036317	3.166245	3.109727	4.006532	4.164465	3.968435	3.630901	3.772348	3.779675
UTP6	ENSG00000108651	-0.54687	6.556984	-9.31778	3.39E-08	3.21E-07	8.61457	6.583748	6.669061	6.545359	5.812513	5.735694	5.870309	6.220196	6.227963	6.19743	7.154487	7.088609	7.184387	6.753525	6.79179	6.779379	6.891823	6.901661	6.915194
DDX5	ENSG00000108654	-0.10806	9.899149	-2.63333	0.017157	0.028557	-4.96879	9.806925	9.779066	9.747745	9.617832	9.56938	9.63181	9.860119	9.931866	9.909931	10.09395	10.08413	9.997104	9.954795	10.01299	10.04642	10.00489	10.0334	10.13062
C17orf75	ENSG00000108666	-0.52337	4.754821	-9.31419	3.41E-08	3.22E-07	8.878734	5.616234	5.617724	5.517107	4.99368	4.905853	4.97456	5.243334	5.150979	5.179186	4.626786	4.57368	4.671058	4.147483	4.250194	4.351192	4.280646	4.211138	4.311289
CYTH1	ENSG00000108669	-0.34491	6.933365	-10.6634	4.49E-09	6.21E-08	10.69351	7.136904	7.133768	7.16711	6.853246	6.771164	6.845703	7.143007	7.028647	7.081787	7.050708	7.011134	7.075869	6.680177	6.716712	6.661089	6.924545	6.87416	6.865242
PSMD11	ENSG00000108671	-0.29346	7.762157	-7.04848	1.67E-06	8.52E-06	4.509484	8.20904	8.272398	8.218326	8.049868	8.058283	8.036329	8.40784	8.36331	8.377822	7.49261	7.45772	7.481047	7.105805	7.034973	7.083935	7.43316	7.348792	7.418447
LGALS3BP	ENSG00000108679	0.385571	10.41359	6.275235	7.38E-06	3.06E-05	2.790631	10.01751	10.003	10.10529	10.56722	10.62907	10.52717	10.04913	9.959101	10.05236	10.49329	10.42986	10.49465	10.75432	10.72752	10.71354	10.6286	10.67153	10.64159
CCL2	ENSG00000108691	-1.43735	-1.65299	-3.29241	0.004175	0.00809	-1.95228	3.026682	3.142112	3.133821	1.634586	1.817192	1.250575	1.389995	1.491012	1.445026	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
PEX12	ENSG00000108733	-0.16704	4.031994	-1.88469	0.076213	0.108344	-5.59496	4.712298	4.729112	4.55869	4.375995	4.149079	4.28655	4.723921	4.644388	4.475104	3.695491	3.640966	3.779618	3.809739	3.772912	3.773698	3.743628	3.728346	3.641153
DHX58	ENSG00000108771	-0.67475	3.279088	-5.63286	2.69E-05	9.32E-05	2.282036	3.710582	3.804029	3.914407	2.766336	2.970101	2.784269	2.981245	3.196885	3.00245	4.048869	3.748453	3.625013	3.429485	3.38415	3.308792	3.698273	3.698248	3.679412
KAT2A	ENSG00000108773	0.104976	6.23949	2.460645	0.024541	0.03938	-5.0035	6.284277	6.291664	6.428564	6.523489	6.512199	6.370669	6.760168	6.652807	6.656763	5.8825	5.981732	5.798311	5.990046	5.926312	5.966597	6.218282	6.201498	6.225761
RAB5C	ENSG00000108774	0.012844	5.653297	0.288999	0.775982	0.81377	-7.64223	5.85584	5.81846	5.787794	5.707722	5.726197	5.791585	5.719113	5.578506	5.653661	5.575711	5.54815	5.658231	5.645688	5.699488	5.706532	5.533662	5.647541	5.635005
NAGLU	ENSG00000108784	1.353939	4.635231	15.25557	1.54E-11	8.54E-10	16.735	4.138162	4.318312	4.16017	5.733834	5.905185	5.711078	4.723921	4.715948	4.436456	3.97421	4.045764	4.144017	5.188526	5.10974	5.084783	4.37837	4.395944	4.416967
MLX	ENSG00000108788	-0.03786	6.578134	-0.71632	0.483257	0.546788	-7.53467	6.485643	6.565063	6.437331	6.601785	6.580549	6.549545	6.820543	6.785736	6.820294	6.634917	6.469968	6.662095	6.462761	6.466846	6.422229	6.557281	6.623981	6.740733
CNTNAP1	ENSG00000108797	1.679023	4.109937	12.94165	2.19E-10	5.75E-09	14.12729	5.173901	5.297514	5.372225	6.719166	6.786476	6.810071	5.590171	5.546744	5.591697	1.76051	1.945166	2.104662	3.845296	3.793216	3.928025	2.432936	2.233409	2.091498
EZH1	ENSG00000108799	-0.3069	4.286662	-2.21234	0.04052	0.061547	-5.15992	5.045778	4.835117	5.05661	4.072648	4.030628	4.121933	4.358069	3.956862	4.243986	4.35077	4.374156	4.358889	4.512278	4.488812	4.500385	3.951202	4.145732	4.129778
DLX4	ENSG00000108813	0.263683	1.296131	1.147108	0.266798	0.326573	-5.97909	2.021155	1.508929	2.109199	1.978268	2.549605	1.880533	2.303642	1.367163	2.274723	1.646779	1.899254	1.67541	1.878105	1.793303	1.900186	1.214313	1.16325	1.665483
PPP1R9B	ENSG00000108819	0.252643	6.395035	2.639649	0.016931	0.028228	-4.67952	6.298404	6.377503	6.41235	6.884177	7.071617	6.942912	6.655407	6.656119	6.594935	6.139301	6.076316	6.226892	6.115998	6.082954	6.017005	6.349808	6.268324	6.265602
COL1A1	ENSG00000108821	0.542422	4.44975	5.937416	1.45E-05	5.48E-05	2.604534	4.158957	3.855322	4.345467	4.367681	4.301803	4.454215	3.507292	3.3682	3.572114	4.803043	4.86395	4.828401	5.576346	5.301484	5.52492	4.902958	4.881053	4.806527
MRPL27	ENSG00000108826	-0.22296	5.849467	-4.56413	0.000258	0.000683	-0.47541	6.326249	6.381882	6.304671	6.041444	5.984333	6.009218	5.943836	5.962395	6.028417	5.747627	5.629491	5.788295	5.600328	5.614563	5.596651	5.59858	5.670976	5.531613
VAT1	ENSG00000108828	-0.17801	7.851825	-0.88094	0.390306	0.45533	-7.50807	8.960369	8.933449	8.965968	7.9455	8.02575	7.915783	8.010074	8.01819	7.997906	7.176427	7.137629	7.222542	7.850282	7.815281	7.826688	7.236425	7.185493	7.234746
LRRC59	ENSG00000108829	0.016943	8.277069	0.364011	0.720216	0.76564	-7.86349	8.676836	8.67105	8.628129	8.644106	8.693405	8.64645	8.644732	8.660274	8.659924	7.809099	7.75097	7.828829	7.836782	7.822296	7.830999	8.093853	8.080484	8.098944
HDAC5	ENSG00000108840	0.150515	4.684118	0.918975	0.370618	0.435357	-7.15432	4.605251	4.569336	4.574673	3.633621	3.923901	3.523386	4.057185	3.988732	4.021828	5.264796	5.329736	5.285361	5.926252	5.804908	5.836971	5.069967	5.104049	4.958165
ABCC3	ENSG00000108846	-0.09583	6.462029	-0.80246	0.433065	0.497672	-7.38893	7.613787	7.654789	7.785559	7.536507	7.655647	7.722602	7.237072	7.205184	7.3191	5.424305	5.452044	5.334367	5.295224	5.162721	5.269387	5.548343	5.722354	5.769665
LUC7L3	ENSG00000108848	-0.36469	6.902031	-8.46806	1.35E-07	1.01E-06	7.162081	7.291644	7.317973	7.289981	6.807876	6.755688	6.864436	6.867405	7.000265	6.901992	6.997329	6.965218	6.934313	6.696261	6.714939	6.742404	6.764798	6.762236	6.787461
MPP2	ENSG00000108852	-0.88958	2.139046	-6.38303	5.97E-06	2.53E-05	4.040909	2.744313	2.90305	2.758051	2.325974	1.817192	1.714252	2.058296	2.568641	2.616448	2.635389	2.66072	2.735323	2.062048	2.084417	2.07955	2.855159	2.895091	2.687355
SMURF2	ENSG00000108854	-0.06408	5.786488	-1.16673	0.258993	0.318499	-7.06416	4.896929	4.715296	4.777019	4.701197	4.573001	4.543715	4.716879	4.547856	4.700591	6.906044	6.898961	6.819138	6.884419	6.859146	6.849829	7.116559	7.093817	7.194858
DUSP3	ENSG00000108861	0.541215	7.401032	7.139775	1.41E-06	7.37E-06	4.705523	7.679427	7.64632	7.645037	7.975902	7.874194	7.915184	7.81283	7.784744	7.863065	6.672637	6.632255	6.639989	7.462133	7.468072	7.44469	6.987844	6.860635	7.021404
EFTUD2	ENSG00000108883	-0.36138	7.859828	-7.16544	1.35E-06	7.08E-06	4.712506	8.363715	8.32338	8.301911	7.786187	7.838646	7.854636	7.880568	7.896066	7.913888	7.851831	7.796296	7.835835	7.654443	7.549901	7.602032	7.711506	7.675226	7.757683
HLF	ENSG00000108924	0.47829	0.621492	2.494557	0.022887	0.036972	-3.93768	0.667115	0.582935	0.598525	0.934951	1.307481	1.250575	1.074544	0.387194	0.629397	1.787595	2.135404	2.243088	2.28558	2.148862	2.34809	2.283004	2.101639	2.119598
SLC16A6	ENSG00000108932	1.103045	5.503799	3.47977	0.002771	0.005614	-2.25428	8.332782	8.244213	8.349522	9.684199	9.531487	9.667626	9.48127	9.498285	9.546059	2.763691	2.485369	2.460504	1.573426	1.681564	1.801384	2.300453	2.518186	2.629903

PRKAR1A	ENSG00000108946	0.330064	8.722594	2.691972	0.015171	0.025589	-4.75632	8.801925	8.832808	8.805645	9.602413	9.581061	9.584011	9.489041	9.467044	9.522035	8.27728	8.228951	8.218266	8.072829	8.112875	8.113056	8.094166	8.146409	8.126468
EFNB3	ENSG00000108947	2.434369	1.713322	12.91179	2.27E-10	5.91E-09	14.00301	0.587539	0.316291	0.421314	2.325974	2.605925	2.581827	1.074544	1.549165	1.171446	2.37464	2.437987	2.558044	4.334248	4.354074	4.284167	3.171932	3.009816	3.065099
YWHAE	ENSG00000108953	-0.17792	9.231812	-6.10819	1.03E-05	4.06E-05	2.538833	9.757502	9.733386	9.711913	9.569489	9.520541	9.538661	9.717681	9.692621	9.706113	8.951229	8.870141	8.891226	8.715154	8.760548	8.7438	8.747103	8.791663	8.800665
MMD	ENSG00000108960	-1.02164	4.049273	-6.16064	9.26E-06	3.71E-05	3.099007	3.878801	4.12286	4.117166	3.619685	3.656958	3.432575	2.480375	2.420731	2.376228	5.501993	5.467858	5.465856	4.290695	4.450973	4.406863	5.018176	5.063304	5.157678
RANGRF	ENSG00000108961	0.424614	4.58719	6.14108	9.62E-06	3.84E-05	3.14464	4.846543	4.80064	4.892035	5.156973	5.305047	5.242382	5.547145	5.323347	5.427983	3.914031	3.66174	4.016833	4.32708	4.230476	4.297823	4.280646	4.205799	4.280507
DPH1	ENSG00000108963	0.285364	4.480829	3.475986	0.002794	0.005652	-2.58804	5.118357	4.921884	4.95851	4.99368	5.128856	4.997371	4.914487	4.944392	4.878354	3.895476	3.884278	4.003908	4.470601	4.416485	4.448272	4.057652	3.876817	3.992166
MAP2K6	ENSG00000108984	1.342576	3.049814	5.111731	7.98E-05	0.000243	1.417407	3.100204	3.310847	3.431666	4.746789	4.641964	4.662649	5.324334	5.447033	5.404147	1.964162	1.8028	1.780195	2.357702	2.565626	2.528806	2.115663	2.101639	2.003758
DHRS7B	ENSG00000109016	-0.27235	4.084325	-3.0561	0.006975	0.01282	-3.45648	3.801557	3.904854	3.845818	3.875646	4.158524	3.828257	3.841036	4.09991	4.16108	4.600298	4.558991	4.60982	4.187612	4.240369	3.996621	4.530299	4.386537	4.45606
WSB1	ENSG00000109046	0.3787	6.649122	2.447583	0.025207	0.040331	-5.06845	6.912419	6.804633	6.886808	7.897938	7.682904	7.857755	7.133784	7.129773	7.179806	6.176918	6.264627	6.148806	5.879245	5.968584	5.985004	5.936577	6.092904	6.041596
SLC9A3R1	ENSG00000109062	0.11125	6.417583	1.660034	0.114741	0.155472	-6.47506	5.446195	5.381559	5.378308	5.015132	5.14795	5.199746	5.315037	5.255104	5.265504	7.449803	7.440292	7.483765	7.729758	7.762195	7.737222	7.707833	7.629107	7.592698
NAT9	ENSG00000109065	-0.03212	6.022073	-0.71193	0.485906	0.549179	-7.49261	5.82147	5.770277	5.736621	5.626427	5.690831	5.860389	5.781194	5.862728	5.785592	6.445965	6.290423	6.352008	6.365533	6.268422	6.375769	6.272339	6.232019	6.276563
TMEM104	ENSG00000109066	0.543461	5.422454	6.011585	1.25E-05	4.81E-05	2.653287	4.740165	4.747329	4.777019	5.536571	5.803491	5.66623	5.422829	5.127313	5.150819	5.512178	5.523772	5.524349	5.870643	5.715534	5.818141	5.863618	5.737233	5.708538
VTN	ENSG00000109072	1.863195	0.196411	4.161322	0.00062	0.001482	-0.24212	4.744758	4.992316	4.95851	6.730558	6.889334	6.841927	4.068294	4.357565	4.021828	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TNFAIP1	ENSG00000109079	0.591836	7.125407	8.323204	1.73E-07	1.23E-06	6.9015	7.382858	7.259675	7.280267	7.645406	7.631262	7.660361	7.526049	7.497809	7.576252	6.347019	6.366209	6.438602	7.285266	7.165311	7.201209	6.716056	6.767681	6.712183
IFT20	ENSG00000109083	0.28193	4.969916	5.572198	3.05E-05	0.000104	1.803417	4.758449	4.751848	4.749122	5.087795	5.26188	5.110498	4.681143	4.610649	4.770621	5.131086	5.113047	5.085161	5.32071	5.284851	5.299114	5.077578	5.16584	5.052285
TMEM97	ENSG00000109084	-0.85497	5.747077	-5.3123	5.23E-05	0.000168	1.186737	5.838758	5.877545	5.918779	5.674404	5.694082	5.796796	6.034424	6.124179	6.059269	6.126099	6.030465	6.11013	4.750591	4.732581	4.653399	6.197476	6.178517	6.183125
CDR2L	ENSG00000109089	0.423322	4.511861	2.806145	0.011917	0.020632	-4.10397	3.84498	3.777682	3.931056	4.910272	4.987618	4.992837	3.828023	3.833587	3.681923	4.848768	4.978771	4.95467	5.060393	4.959137	4.935528	5.105146	4.870969	4.95427
PMP22	ENSG00000109099	0.908747	4.11758	4.341721	0.000418	0.001045	-0.36176	5.598583	5.685425	5.602736	6.714257	6.698559	6.765586	6.644315	6.6022	6.61411	2.444376	2.249583	2.546206	2.399306	2.326537	1.876113	2.211015	2.190809	2.302316
UNC119	ENSG00000109103	0.043824	4.611617	0.774929	0.448739	0.51287	-7.1635	4.973272	4.925889	5.037516	5.0571	5.138434	4.903882	4.765467	4.819999	4.825493	4.313985	4.529155	4.482057	4.571104	4.51757	4.342433	4.336692	4.313961	4.255399
ALDOC	ENSG00000109107	-0.38179	5.412458	-2.73216	0.013939	0.02375	-4.34867	5.606174	5.647129	5.576519	4.784753	4.439897	4.633822	5.81126	5.761822	5.983548	5.364851	5.471785	5.413061	5.49233	5.451674	5.426825	5.669122	5.830372	5.710849
SUPT6H	ENSG00000109111	0.409072	8.081459	8.668562	9.68E-08	7.68E-07	7.427673	7.899793	7.899941	8.008826	8.405054	8.432824	8.468509	8.381361	8.336728	8.284616	7.814048	7.858726	7.726659	8.132895	8.090831	8.129378	7.888156	7.900118	7.908241
RAB34	ENSG00000109113	0.565899	6.710993	6.278338	7.33E-06	3.04E-05	3.077875	6.661101	6.695103	6.740992	7.622004	7.625313	7.548199	7.336905	7.358395	7.327573	6.02018	6.11449	6.123138	6.289208	6.298326	6.284978	6.389076	6.333415	6.304372
PHF12	ENSG00000109118	0.095098	5.503522	1.224632	0.236964	0.293971	-6.91392	5.353017	5.218099	5.49208	5.833796	5.610519	5.617001	5.418495	5.423907	5.136423	5.6347	5.677882	5.63327	5.544252	5.666849	5.507395	5.63686	5.603561	5.644707
TMEM33	ENSG00000109133	-0.34631	7.571445	-10.7658	3.88E-09	5.55E-08	10.7968	7.740487	7.72369	7.745527	7.527205	7.400966	7.442457	7.610168	7.559236	7.612241	7.804549	7.782136	7.740036	7.346367	7.389124	7.384633	7.559013	7.51287	7.546871
SLAIN2	ENSG00000109171	1.481914	6.21264	23.58743	1.07E-14	5.65E-12	23.98639	4.961483	4.99613	5.033667	6.571337	6.625516	6.624723	6.861031	6.79628	6.758969	5.464721	5.423946	5.432483	6.79503	6.738689	6.805107	6.797426	6.780307	6.776472
OCIAD1	ENSG00000109180	0.0549	8.008733	1.478077	0.157182	0.205015	-6.83103	8.281947	8.275148	8.223403	8.428226	8.310529	8.388367	8.361178	8.430118	8.400589	7.67365	7.667839	7.718441	7.617463	7.749696	7.680145	7.624558	7.708165	7.724904
DCUN1D4	ENSG00000109184	0.288872	5.539602	4.359264	0.000402	0.001011	-0.87509	5.523064	5.363957	5.443586	5.918767	5.896744	5.820014	5.83422	5.9217	5.900795	5.481405	5.316696	5.229089	5.448413	5.483259	5.52492	5.340537	5.394214	5.450971
USP46	ENSG00000109189	-0.09103	5.102332	-1.44719	0.165542	0.214327	-6.52939	5.253402	5.384472	5.325763	5.0571	5.075006	5.261353	5.535185	5.535999	5.325957	5.052315	5.003394	4.945687	4.950405	4.965115	5.039439	5.012893	4.962447	4.934632
SULT1E1	ENSG00000109193	1.455516	-1.39234	5.212145	6.45E-05	0.000201	1.823212	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	1.457372	1.369793	1.718241	2.902055	2.686334	2.689384	1.320757	1.368306	1.222783
CHIC2	ENSG00000109220	0.105774	2.399017	0.863945	0.39932	0.464666	-6.62742	2.438959	2.356396	2.37563	2.21912	2.03796	2.258349	2.513265	2.220554	2.376228	2.930935	2.969234	3.172678	3.108457	3.357127	3.353069	2.901634	2.921385	2.507643
NMU	ENSG00000109255	0.587692	1.072728	2.121573	0.048449	0.072288	-4.73995	0.742531	0.940485	0.829201	0.635873	0.625525	0.461789	1.074544	1.658879	1.38134	2.510897	2.485369	2.735323	3.353912	3.38415	3.234995	2.055273	2.233409	2.419973
CRACD	ENSG00000109265	0.738788	2.699917	2.837231	0.011155	0.019451	-3.48875	3.114469	3.027527	3.190238	4.245952	4.65537	4.351728	2.637802	3.063581	2.846105	2.47802	2.303453	2.510098	2.343563	2.451029	2.276326	2.539649	2.48331	2.350536
LAMTOR3	ENSG00000109270	0.303343	5.463931	2.553949	0.020242	0.033128	-4.74246	4.917414	4.860445	4.804386	5.363409	5.279302	5.265117	5.661594	5.686091	5.660384	5.744175	5.75079	5.634668	5.853284	5.926312	5.914363	5.546516	5.572787	5.528997
NFKB1	ENSG00000109320	-0.3266	6.287427	-5.01983	9.69E-05	0.000288	0.454497	6.557884	6.576571	6.549409	5.996317	5.986987	5.958972	6.452032	6.31224	6.468472	6.377422	6.316858	6.339202	6.237578	6.244045	6.208716	6.308363	6.339522	6.287442
AREG	ENSG00000109321	-1.25812	5.434263	-11.0444	2.62E-09	4.01E-08	11.34453	4.794334	4.877086	4.696533	3.999198	3.945887	3.786958	3.904396	3.535768	3.879258	7.313187	7.232095	7.419518	6.041316	5.999495	6.042916	7.086698	7.160874	7.039902
MANBA	ENSG00000109323	0.927482	4.612023	12.70166	2.94E-10	7.18E-09	13.7202	4.206344	4.065935	4.011539	5.329563	5.089893	5.114677	4.011872	4.221128	4.252911	4.600298	4.419586	4.63239	5.340423	5.310903	5.350253	4.768358	4.706825	4.7174
UBE2D3	ENSG00000109332	0.505063	8.187622	9.179671	4.22E-08	3.88E-07	8.280868	7.655847	7.669791	7.631731	8.36802	8.257125	8.301679	8.400716	8.374913	8.436774	7.998138	8.007808	8.054255	8.368893	8.404419	8.389044	8.401375	8.335185	8.415318
ELF2	ENSG00000109381	-0.26789	4.476873	-3.48412	0.002745	0.005569	-2.59931	4.538049	4.429669	4.339244	4.416862	4.158524	4.121933	4.772276	4.759705	4.866774	4.789709	4.732663	4.643544	4.427684	4.472117	4.364231	4.60593	4.656838	4.680149
NDUFC1	ENSG00000109390	-0.20205	5.65121	-3.93119	0.001028	0.002317	-1.81945	5.891483	5.975457	5.854773	5.7563	5.63102	5.663381	6.15916	6.219034	6.190479	5.373815	5.500898	5.524349	5.297059	5.265605	5.310386	5.62479	5.519992	5.50523
TBC1D9	ENSG00000109436	0.780678	5.210305	15.62876	1.04E-11	6.54E-10	17.06725	5.197545	5.250391	5.303557	5.821673	5.882565	5.897242	4.454362	4.482206	4.41276	5.230663	5.155166	5.252955	6.077005	6.015426	6.168399	4.63373	4.683969	4.641909
ZNF330	ENSG00000109445	-0.34193	5.549209	-3.44148	0.003014	0.006046	-2.89903	5.757007	5.71581	5.623372	5.1079	5.013874	5.167927	5.821145	5.876989	5.703339	5.718015	5.758847	5.810733	5.564203	5.665014	5.609485	5.467617	5.504857	5.575386
INPP4B	ENSG00000109452	0.201811	4.786008	1.217546	0.23958	0.296802	-6.92129	4.158957	4.287521	4.242513	3.06262	2.881616	2.961768	3.523527	3.232814	2.892531	6.202301	6.242964	6.130093	6.675246	6.733445	6.78262	5.909826	5.883166	5.888745
GAB1	ENSG00000109458	1.146674	3.387741	8.724892	8.82E-08	7.11E-07	8.061119	2.392887	2.674627	2.492412	4.072648	4.040879	4.071231	3.094248	3.083395	3.104585	3.552807	3.848485	3.413246	4.344933	4.394504	4.464508	3.272618	3.829005	3.540816
KLHL2	ENSG00000109466	0.317365	5.45094	3.260016	0.004481	0.008623	-3.27922	5.432027	5.349122	5.300357	5.833796	5.561519	5.759919	5.67619	5.510612	5.760779	5.548259	5.399419	5.365015	5.652873	5.777993	5.659706	5.077578	5.027439	5.041309
CPE	ENSG00000109472	0.991613	4.879844	19.03617	3.97E-13	5.43E-11	20.37407	3.026682	3.310847	3.371944	4.031135	3.832443	3.838399	3.178682	3.318907	3.453254	5.964895	6.119505	5.980882	7.050844	7.050519	7.069412	6.247814	6.238569	6.198027
RPL34	ENSG00000109475	-0.07405	8.082561	-1.61312	0.124627	0.167649	-6.65949	8.194006	8.136458	8.033128	7.900102	7.905385	7.882473	7.894679	7.89256	7.928583	8.257135	8.23069	8.17616	8.226879	8.287926	8.322403	8.094478	8.078295	8.144102
WFS1	ENSG00000109501	0.542596	4.586024	3.384795	0.003412	0.006743	-2.72933	5.443372	5.401827	5.528093	5.491368	5.700562	5.587238	5.847177	5.606164	5.673738	3.145032	3.330936	3.149392	4.404034	4.288839	4.329194	3.768919	3.713375	3.540816
GRPEL1	ENSG00000109519	-0.87398	7.077541	-13.6541	9.28E-11	3.10E-09	14.70759	7.735304	7.67753	7.678701	6.583952	6.741617	6.572513	7.240759	7.258446	7.259461	7.238474	7.190408	7.252448	6.553081	6.571452	6.495168	7.213005	7.192257	7.147025
GAR1	ENSG00000109534	-0.41587	5.779362	-4.90003	0.000125	0.00036	0.239699	5.768329	5.898074	5.757775	4.944216	5.059965	5.006395	5.609312	5.447033	5.556087	6.29959	6.219803	6.333187	6.084464	6.132932	6.128197	6.127097	6.107292	6.056209
FRG1	ENSG00000109536	-0.53632	4.817584	-4.1806	0.000595	0.001427	-1.12852	5.613726	5.673567	5.452263	4.59836	4.544465	4.55606	5.125963	5.127313	5.313214	4.75239	4.644965	4.788762	4.601127	4.612034	4.70214	4.406844	4.525868	4.646745
CLCN3	ENSG00000109572	0.246028	7.000969	2.518005	0.021806	0.035423	-4.97604	7.121095	7.159503	7.050044	7.701889	7.58034	7.726703	7.591038	7.642567	7.536604	6.642355	6.673753	6.663466	6.557682	6.624351	6.551355	6.436212	6.468832	6.510753
AADAT	ENSG00000109576	-0.21588	4.17566	-3.38971	0.003376	0.006677	-2.71278	4.548594	4.418344	4.458888	4.227693	4.1957	4.315882	4.528631	4.444399	4.41276	4.151473	4.14254	3.999574	3.884887	3.915568	3.939687	4.422866	4.258317	4.359215
GALNT7	ENSG00000109586	1.497401	6.990468	7.526806	6.96E-07	4.02E-06	5.462114	5.752454	5.83559	5.710337	8.170083	8.038596	8.160769	6.833623	6.781193	6.768335	6.713814	6.661772	6.650393	7.391304	7.410092	7.522358	7.276104	7.166381	7.225079
DHX15	ENSG00000109606	-0.23805	8.45101	-5.58481	2.97E-05	0.000102	1.486096	8.444276	8.411339	8.412385	8.365935	8.266437	8.301221	8.642411	8.629438	8.632404	8.613956	8.589403	8.557603	8.249804	8.214861	8.238441	8.55557	8.519949	8.549829
SEPSECS	ENSG00000109618	-0.20942	4.026345	-1.84683	0.081774	0.115295	-5.70704	4.339825	4.184325	4.339244	3.898911	3.426184	3.700636	4.321396	4.413424	4.17992	4.119853	4.228596	4.025385	4.155599	4.195307	4.20424	4.072963	4.195062	4.094818
TRIM2	ENSG00000109654	0.705754	6.495014	5.178304	6.93E-05	0.000214	0.766875	5.944347	5.938276	5.904096	7.235524	7.201803	7.200503	6.534451	6.493476	6.403833	6.483718	6.551075	6.460843	6.723813	6.68989	6.669867	6.188132	6.268324	6.325637
FBXW7	ENSG00000109670	-0.13423	4.727443	-2.09444	0.051081	0.075889	-5.44182	4.762983	4.961437	4.739702	4.687901	4.360275	4.656929	4.744844	4.976535	4.994649	4.735102	4.709571	4.69538	4.673561	4.671739	4.663983	5.039116	5.018332	5.004109
NEIL3	ENSG00000109674	-1.84195	3.404498	-7.79841	4.29E-07	2.66E-06	6.640594	5.411954	5.482886	5.390399	3.977507	4.249727	3.858473	5.93476	5.981	5.791729	3.0698	3.076267	3.164958	0.907968	1.032323	0.910419	2.866919	2.500854	2.830235
TBC1D19	ENSG00000109680	0.275995	3.982736	3.458513	0.002903	0.005846	-2.42076	4.905158	4.872944	4.946277	5.161789	5.039662	5.227023	5.193472	5.160337	5.174497	2.881509	3.044983	3.149392	3.360948	3.282491	3.308792	3.001034	2.934355	3.121769
NSD2	ENSG00000109685	-1.08463	6.829784	-8.80549	7.73E-08	6.38E-07	7.787426	7.587822	7.588128	7.590403	6.872472	6.98932	6.854475	7.41295	7.499653	7.473103	6.893632	6.856795	6.808647	5.354592	5.375169	5.435088	6.877361	6.916443	6.823142
SH3D19	ENSG00000109686	0.323358	5.840751	5.721455	2.24E-05	7.97E-05	1.974124	5.784032	5.685425	5.703085	5.842822	5.865364	6.051247	5.253102	5.263813	5.247756	5.958951	5.970675	6.051671	6.418764	6.393382	6.384329	5.936577	5.862958	5.936917
STIM2	ENSG00000109689	0.652478	5.322788	2.763273	0.013051	0.022391	-4.27659	4.640181	4.813666	4.758481	6.398473	6.375108	6.393204	5.444307	5.376512	5.342774	5.193173	5.329736	5.267448	5.083973	5.065909	4.989822	5.315009	5.412868	5.311765
MFSD10	ENSG00000109736	-0.26674	6.750634	-1.55694	0.137406	0.182307	-6.62577	7.401156	7.480619	7.559281	6.508442	6.700177	6.4069	6.76188	6.631095	6.817288	6.313634	6.521073	6.614707	6.934213	6.80851	6.765522	6.668972	6.604842	6.268742
GLRB	ENSG00000109738	0.231141	3.479431	2.078887	0.052648	0.077916	-5.20115	3.774862	3.741788	3.688245	3.740513	3.441741	3.722706	3.440463	3.462004	3.844255	3.488234	3.447177	3.608031	3.928165	3.933972	3.962731	3.227721	3.093137	3.421736
BST1	ENSG00000109743	2.434878	1.573521	5.767074	2.04E-05	7.33E-05	2.98244	4.131163	4.354415	3.931056	6.653998	6.557529	6.659462	4.445869	4.428995	4.3476	0.34397	0.259702	0.288049	0.407676	0.345231	0.470356	0.686723	0.504542	0.497646
RAPGEF2	ENSG00000109756	-0.41953	6.527077	-2.15274	0.045579	0.068364	-5.56107	7.910563	7.803121	7.802624	6.94132	6.794071	6.95578	7.869497	7.912082	7.963661	5.487612	5.540693	5.456399	5.812803	5.809899	5.721809	5.43836	5.299655	5.33891
SNX25	ENSG00000109762	0.280231	3.889722	2.884807	0.010078	0.017783	-3.69164	4.179456	3.838426	3.914407	4.540361	4.447623	4.460795	4.367093	4.497055	4.372382	3.599408	3.66174	3.722908	3.730461	3.637228	3.72061	3.552967	3.659719	3.922098
UFSP2	ENSG00000109775	0.137256	4.802383	1.835488	0.083508	0.117461	-5.89541	4.992709	5.055819	4.946277	4.892995	4.789085	4.908703	5.009762	5.053893	5.03142	4.581075	4.570022	4.512795	4.782385	4.875912	5.028559	4.736662	4.76606	4.86164
KLF3	ENSG00000109787	-0.00131	6.172008	-0.01852	0.985432	0.98786	-7.7474	6.350557	6.355404	6.280513	6.430757	6.381172	6.497692	6.57201	6.487911	6.555805	6.093911	6.096801	6.0621	5.962555	6.008206	5.953715	5.717014	5.750126	5.91704
KLHL5	ENSG00000109790	-0.0543	7.26644	-0.76101	0.456798	0.520494	-7.59003	7.002423	7.050938	6.957588	6.660819	6.618689	6.645089	6.532447	6.758264	6.665144	7.73233	7.737579	7.723049	7.941114	7.827227	7.936252	7.711506	7.726922	7.753766
NCAPG	ENSG00000109805	-1.50744	4.458357	-4.95846	0.00011	0.000323	0.772825	5.294704	5.201677	5.176661	4.971905	4.668652	4.819357	5.452809	5.5324	5.400136	4.886838	4.910981	4.895252	2.178139	2.381211	2.382676	4.654234	4.473517	4.72199
UGDH	ENSG00000109814	-0.80693	8.461263	-13.2541	1.49E-10	4.43E-09	14.15121	9.6496	9.67436	9.66665	8.719546	8.80324	8.691557	9.448432	9.504039	9.458357	8.009326	7.949517	8.0247	7.334352	7.337638	7.304597	7.581045	7.592245	7.64499
PPARGC1A	ENSG00000109819	2.259033	2.037358	14.18786	5.01E-11	1.95E-09	15.258	2.296082	2.283367	2.248556	4.562385	4.343809	4.610338	2.832807	2.916694	2.798137	1.676063	1.112482	1.158083	2.51737	2.756951	2.433049	1.286141	1.329561	1.170016
HTATIP2	ENSG00000109854	0.088059	6.1166	1.803342	0.088601	0.123841	-6.12159	7.027139	6.945416	6.899554	7.013707	6.999867	7.011748	6.977569	6.975295	6.910477	5.257549	5.256515	5.383428	5.404821	5.417203	5.477706	5.284643	5.054421	5.255893
CTSC	ENSG00000109861	0.55494	9.506892	10.50752	5.62E-09	7.45E-08	10.31223	9.550125	9.584122	9.583359	10.31926	10.28586	10.34887	9.951075	9.942754	9.942532	8.928785	8.905951	8.916878	9.257537	9.288273	9.284405	8.983709	9.044911	9.044826
CCDC34	ENSG00000109881	-0.53391	3.060878	-6.31936	6.76E-06	2.83E-05	3.768783	3.593253	3.59862	3.576275	3.123142	3.207016	3.321269	3.33403	3.335526	3.181386	3.196464	3.287042	3.445469	2.683738	2.811056	2.846311	3.254827	3.171908	3.215882
ELP4	ENSG00000109911	0.009309	2.610998	0.083487	0.934413	0.946171	-6.93695	2.629805	2.802095	2.700947	3.142765	2.991399	2.924168	2.933443	3.178579	3.181386	2.620402	2.877496	2.693003	2.542344	2.533802	2.481722	2.819293	2.972579	3.093712
ZPR1	ENSG00000109917	0.107788	6.83614	2.945921	0.008842	0.015815	-4.12845	6.416805	6.419291	6.314222	6.424759	6.428788	6.435578	6.434968	6.487911	6.554	7.20056	7.103238	7.213215	7.319078	7.266807	7.380895	7.346043	7.287569	7.260213
MTCH2	ENSG00000109919	-0.10669	6.574831	-2.83682	0.011164	0.019461	-4.29546	7.08714	7.082671	7.072729	6.969064	6.902042	7.066704	7.006734	6.93633	7.023006	6.262665	6.178356	6.282357	6.051137	6.20921	6.138353	6.145318	6.101554	6.125399
FNBP4	ENSG00000109920	0.105184	5.579951	1.851596	0.081055	0.114356	-6.00593	5.808367	5.809819	5.889263	6.147234	5.95482	6.133861	5.750487	5.885479	5.819027	5.477252	5.285805	5.327468	5.293386	5.401859	5.303633	5.244639	5.211838	5.265357
SC5D	ENSG00000109929	-0.08936	5.921731	-1.01214	0.325279	0.388605	-7.22526	5.517707	5.592753	5.688471	5.384166	5.217382	5.352637	5.679816	5.669801	5.738712	6.467061	6.456161	6.461631	6.52046	6.485682	6.436704	6.109881	6.218828	6.052569
JHY	ENSG00000109944	-0.16649	1.428755	-0.65825	0.518957	0.581048	-6.40476	2.996191	3.012542	2.848472	2.577385	2.078331	2.258349	2.186178	2.147141	1.674905	1.315703	1.435603	1.219002	1.916818	1.622273	1.639204	1.65509	1.289746	1.115245
HSPA8	ENSG00000109971	0.116036	11.67871	1.470981	0.159071	0.20723	-7.06795	11.59362	11.60326	11.59038	12.02817	11.97346	11.99094	11.83929	11.79836	11.82367	11.61111	11.52544	11.47704	11.34949	11.39173	11.4097	11.70621	11.72403	11.7891
VWA5A	ENSG00000110002	0.278927	4.27485	2.031787	0.057663	0.084573	-4.98994	7.233196	7.242118	7.202685	7.441667	7.418763	7.434121	7.356296	7.367514	7.378412	1.423238	1.644832	1.46518	2.178139	2.269709	2.161508	1.571317	1.737342	1.461048
DNAJC4	ENSG00000110011	0.678592	4.278218	11.95336	7.67E-10	1.53E-08	12.78509	3.983545	4.17089	4.102541	4.640378	4.628433	4.67402	4.185161	3.935218	4.198517	4.212707	4.087306	4.289577	4.933985	4.9104	4.851597	4.21775	4.123255	4.242679
SIAE	ENSG00000110013	1.265448	5.536827	20.10156	1.59E-13	2.86E-11	21.29761	5.677569	5.651972	5.519862	6.862152	6.850524	6.864436	6.054115	6.109759	6.155213	4.513734	4.51019	4.478947	5.729627	5.726134	5.709941	4.598895	4.572242	4.749225
LPXN	ENSG00000110031	-0.10951	1.436745	-0.49641	0.625788	0.67987	-6.60957	1.861169	1.780637	2.166567	1.840866	1.768674	1.123626	1.648695	1.945386	1.38134	2.204194	2.469748	1.718241	2.027088	2.50126	2.10048	2.229352	2.124453	1.665483
DTX4	ENSG00000110042	0.459065	3.880746	9.352694	3.21E-08	3.06E-07	8.85856	1.990546	2.068355	1.921989	2.791417	2.429905	2.719893	2.01302	2.255906	2.165532	5.80177	5.770051	5.71749	6.198834	6.165747	6.147181	5.679162	5.720484	5.742817
ATG2A	ENSG00000110046	0.635001	5.198579	3.721093	0.001631	0.003499	-2.28318	4.674285	4.614695	4.848876	6.069909	6.051781	5.97515	4.420085	4.175703	4.216877	5.473087	5.54629	5.507659	5.735053	5.722609	5.579982	5.319295	5.314612	5.11644
EHD1	ENSG00000110047	-0.55443	7.505181	-3.81209	0.001335	0.002919	-2.32631	7.820436	7.876339	7.916739	6.617648	6.752573	6.624723	6.962762	6.866575	6.971222	7.921499	7.877347	8.120118	7.978193	7.882364	7.947848	7.822487	7.72319	7.568693
OSBP	ENSG00000110048	0.197046	6.754824	4.978631	0.000106	0.000311	0.29683	6.171116	6.350944	6.259244	6.487492	6.329843	6.466969	6.360105	6.363784	6.229433	7.104877	7.159703	7.059306	7.327184	7.330131	7.305724	7.246589	7.108196	7.184919
UNC93B1	ENSG00000110057	0.42209	6.446156	3.928998	0.001033	0.002326	-1.9996	5.768329	5.656799	5.750758	6.038828	6.173243	5.870309	4.938902	4.905964	5.097318	7.04721	7.120848	7.306957	7.640777	7.661331	7.643624	7.431181	7.258213	7.100198
PUS3	ENSG00000110060	0.130914	4.778762	2.669663	0.015899	0.026678	-4.41594	4.186225	4.318312	4.195052	4.236852	4.327153	4.337497	4.528631	4.644388	4.396744	5.286319	5.160041	5.195378	5.368624	5.338797	5.378375	5.430457	5.384796	5.32087
DCPS	ENSG00000110063	-0.8152	5.467418	-8.08564	2.59E-07	1.74E-06	6.645983	6.003031	6.004148	5.914599	4.790984	4.758354	4.662649	5.277239	5.197177	5.308941	5.913568	5.814017	5.933956	5.394571	5.390798	5.376231	5.734772	5.798808	5.767446
KMT5B	ENSG00000110066	0.625916	5.757841	12.45659	4.01E-10	9.04E-09	13.29102	5.180696	5.063109	5.141325	5.612421	5.77614	5.754573	5.679816	5.689327	5.872122	5.709189	5.714797	5.647191	6.282738	6.332254	6.341015	6.108643	6.065166	6.179793
FOXRED1	ENSG00000110074	-0.40107	4.396163	-3.71087	0.001668	0.003571	-2.0638	4.574623	4.511888	4.537101	4.487626	4.515354	4.420855	4.779054	5.07384	4.801363	4.671093	4.679329	4.472706	4.037603	3.958151	3.87435	4.349322	4.211138	4.45054
PPP6R3	ENSG00000110075	0.44632	6.7836	9.754237	1.72E-08	1.86E-07	9.31171	6.295276	6.277631	6.275633	6.850266	6.700177	6.764257	7.026804	7.055228	6.961728	6.625566	6.654881	6.518021	6.982345	7.075602	6.944751	7.072803	7.0902	7.18159
ST3GAL4	ENSG00000110080	-0.28217	6.362165	-1.93599	0.069212	0.099454	-5.99649	6.861524	6.815465	6.805619	5.887123	5.905185	5.880161	6.335028	6.116987	6.145661	6.366236	6.260093	6.382287	6.532195	6.612974	6.597176	6.449959	6.424707	6.471771
CPT1A	ENSG00000110090	0.375046	6.769604	3.497024	0.002668	0.005431	-2.9344	6.518198	6.543071	6.478973	7.302482	7.282854	7.40797	6.812307	6.808236	6.766778	6.686194	6.674605	6.700653	6.640972	6.673554	6.674237	6.705452	6.697144	6.728241
CCND1	ENSG00000110092	-1.06871	9.085263	-5.00684	9.96E-05	0.000295	0.187368	9.56416	9.576181	9.611875	7.984084	8.134451	8.032468	7.899352	7.928607	7.97786	9.819871	9.782772	9.884163	9.160814	9.098556	9.163588	10.02208	9.966018	9.98584
CCDC86	ENSG00000110104	-0.46934	6.343349	-6.44259	5.31E-06	2.30E-05	3.424379	6.524888	6.459902	6.61399	5.866618	6.046703	5.875244	6.625636	6.373876	6.528503	6.63957	6.348167	6.709305	6.248053	6.200368	6.181963	6.402268	6.48545	6.383273
PRPF19	ENSG00000110107	-0.08097	7.688832	-1.93661	0.069131	0.099358	-6.12604	7.145613	7.05734	7.054799	6.901559	6.938138	6.931113	7.272324	7.307707	7.326517	8.288878	8.203793	8.296755	8.255479	8.24004	8.224208	8.424189	8.373186	8.298419
TMEM109	ENSG00000110108	-0.30102	6.189681	-5.15481	7.28E-05	0.000224	0.75803	5.893553	5.858816	5.81496	5.737065	5.87399	5.724812	6.366869	6.271797	6.37551	6.508349	6.466037	6.569369	6.123258	6.062189	6.003179	6.69064	6.729127	6.720234
TRIM3	ENSG00000110171	0.684516	2.531313	6.176187	8.97E-06	3.61E-05	3.569741	2.707144	2.886707	2.758051	3.20008	3.278066	3.136338	2.858632	2.596487	2.981126	2.243849	2.561038	2.152295	2.862939	3.088026	3.126936	2.524879	2.37332	2.629903
CHORDC1	ENSG00000110172	0.295132	6.653034	2.539157	0.020873	0.03403	-4.94003	5.520388	5.585177	5.384366	6.44268	6.362903	6.4069	6.062473	6.017505	5.937239	7.406778	7.379411	7.332596	7.327184	7.246703	7.296684	7.448894	7.419679	7.481383
FOLR1	ENSG00000110195	0.309987	-1.27633	1.088867	0.290999	0.352411	-5.95414	0.106501	0.106501	0.106501	0.106501	0.512209	0.106501	0.106501	0.106501	0.256032	2.100009	1.777644	1.696985	1.711947	2.016959	1.900186	1.627702	1.513652	1.461048
ANAPC15	ENSG00000110200	-0.12677	4.883678	-2.48482	0.023351	0.037653	-4.78403	4.740165	4.760843	4.866295	4.674482	4.900234	4.761901	4.799197	4.784126	4.647437	5.274401	5.207908	5.276432	5.086097	5.071461	5.009321	4.978075	5.003024	4.965925
PANX1	ENSG00000110218	-0.1401	5.169787	-2.89427	0.009876	0.017464	-4.03764	4.833667	4.864623	4.86196	4.555081	4.400635	4.616245	4.723921	4.61746	4.687485	5.754507	5.723056	5.808257	5.696635	5.740146	5.725182	5.760217	5.764723	5.708538
ARHGEF17	ENSG00000110237	0.751008	4.93313	5.11663	7.89E-05	0.000241	0.817318	4.605251	4.604738	4.520694	4.54774	4.628433	4.393601	4.454362	4.547856	4.578115	5.085433	5.054034	4.850228	6.203734	6.03687	6.112827	5.141909	5.184958	5.167806
CEP164	ENSG00000110274	-0.01637	4.969897	-0.27865	0.783787	0.820181	-7.581	4.600191	4.668265	4.671981	4.759555	4.836932	4.819357	4.264577	4.273815	4.216877	5.629096	5.56479	5.524349	5.477839	5.50599	5.426825	5.353134	5.387157	5.368484
RNF141	ENSG00000110315	-0.39042	5.789592	-9.78723	1.64E-08	1.78E-07	9.431496	5.525735	5.642269	5.525355	5.227586	5.287935	5.215396	5.071794	5.233099	5.252213	6.583684	6.619923	6.607605	6.098213	6.222995	6.233798	6.092456	6.12437	6.159635
CEP126	ENSG00000110318	0.750075	2.957866	6.722576	3.10E-06	1.44E-05	4.558187	2.965042	2.982098	3.104764	3.840029	3.901574	3.907468	2.752438	3.141256	2.82232	2.894025	2.753956	2.7037	3.332595	3.213858	3.335521	2.819293	3.093137	3.035906
EIF4G2	ENSG00000110321	-0.23465	9.764197	-5.48806	3.63E-05	0.000122	1.201408	9.6496	9.663909	9.629037	9.578072	9.556487	9.572474	9.928011	9.935618	9.885929	9.919654	9.898509	9.858141	9.488212	9.549899	9.516129	10.02142	10.03772	10.09789
GALNT18	ENSG00000110328	0.447322	2.333444	4.102983	0.000705	0.00166	-0.92868	1.681202	2.152784	1.78216	2.143217	2.333126	2.064596	1.588238	1.367163	1.727075	3.196464	3.096753	3.240362	3.629193	3.520297	3.637126	3.603046	3.511821	3.477085
BIRC2	ENSG00000110330	-0.18049	6.351813	-1.67898	0.110944	0.15104	-6.41578	6.593965	6.625405	6.56149	5.935739	5.882565	5.942611	5.940817	6.100066	6.051618	6.511399	6.503919	6.473399	6.686492	6.695294	6.685536	6.483766	6.536314	6.455328
UBE4A	ENSG00000110344	0.303959	6.629848	8.0157	2.93E-07	1.94E-06	6.367086	6.014486	5.96187	6.038856	6.36336	6.23258	6.338872	6.207692	6.219034	5.970082	7.012475	7.037203	7.001418	7.312742	7.291995	7.333615	7.127599	7.053521	7.106355
DDX6	ENSG00000110367	0.117223	7.14649	2.351079	0.030683	0.047971	-5.3359	6.93168	7.004358	6.97375	6.932892	6.944977	6.971994	7.009618	7.087474	6.796075	7.305595	7.278227	7.233195	7.503257	7.491042	7.496437	7.302865	7.230878	7.333273
UPK2	ENSG00000110375	1.193376	0.74637	3.254021	0.00454	0.008719	-2.32846	1.755904	1.947501	1.406977	1.393812	1.373859	1.310092	1.074544	0.915275	1.0941	1.352446	0.941811	0.993481	2.602951	2.533802	2.76998	1.286141	0.759002	1.461048
CBL	ENSG00000110395	-0.00566	5.572983	-0.12627	0.90096	0.918626	-7.67434	5.259834	5.37864	5.350729	5.190356	5.208315	5.30589	5.535185	5.557409	5.485906	5.8117	5.844621	5.667823	5.858265	5.77289	5.822871	5.926779	5.93732	5.966227
NECTIN1	ENSG00000110400	-0.59699	5.347003	-2.33597	0.031635	0.049342	-5.18771	3.756787	3.547555	3.39613	4.687901	4.745876	4.899045	3.976929	4.166444	4.252911	6.770915	6.720706	6.736255	5.681258	5.681447	5.647313	7.577918	7.503654	7.47528
HIPK3	ENSG00000110422	0.55039	5.780445	5.417925	4.19E-05	0.000138	1.388637	5.603648	5.602793	5.656289	6.553121	6.564651	6.596615	6.056907	6.104921	6.038775	5.477252	5.498975	5.424422	5.628298	5.597346	5.629423	5.529969	5.489561	5.497221
FBXO3	ENSG00000110429	0.28154	4.51411	3.61233	0.002072	0.004341	-2.35078	4.265068	4.268725	4.332993	4.626508	4.573001	4.524999	4.716879	4.59002	4.674259	4.671093	4.54415	4.621149	4.813494	4.879081	4.900154	4.40281	4.547132	4.461559
PDHX	ENSG00000110435	-0.81894	5.56447	-9.97242	1.24E-08	1.42E-07	9.840182	6.976299	6.997716	6.979764	6.0017	5.824412	6.018168	6.346481	6.472967	6.483715	5.09088	4.992502	5.022459	4.592186	4.529722	4.523816	4.654234	4.740443	4.59264
COMMD9	ENSG00000110442	0.327754	4.285002	4.315868	0.000442	0.001099	-0.70043	4.712298	4.564207	4.520694	4.982834	5.013874	5.175948	4.723921	4.765849	4.91817	3.962373	3.878373	3.848714	4.139322	3.981932	3.968435	3.70484	3.870083	3.823043
ACCS	ENSG00000110455	-0.094	2.573868	-0.65365	0.521845	0.583639	-6.74291	3.765853	3.732673	3.828148	3.21869	3.188693	3.405543	2.667326	2.825515	2.616448	2.37464	2.500824	2.53427	2.921223	2.784257	2.743612	1.85727	2.078458	1.844513
MDK	ENSG00000110492	2.981579	6.230511	11.78592	9.56E-10	1.85E-08	12.42557	2.021155	1.81559	2.166567	6.809411	6.910452	6.83054	6.344198	6.230187	6.359073	5.958951	6.055536	6.160501	8.440596	8.493456	8.490644	8.183867	8.246647	8.126468
AMBRA1	ENSG00000110497	0.482606	4.901	7.222529	1.21E-06	6.45E-06	5.159061	4.688657	4.783088	4.799861	5.250376	5.469652	5.316813	5.272444	4.992342	5.121883	4.762664	4.506366	4.623968	5.029814	4.850301	5.097852	4.905811	4.829917	4.815144
MADD	ENSG00000110514	-0.28957	5.111873	-5.50795	3.48E-05	0.000117	1.677706	5.269428	5.410426	5.452263	5.05192	5.190008	5.167927	5.347317	5.335791	5.325957	5.190639	5.184173	5.223525	4.841432	4.953134	4.857757	4.969919	4.881053	5.133766
PTPMT1	ENSG00000110536	-0.12245	2.563444	-1.05494	0.305819	0.368228	-6.34956	2.850396	3.310847	3.176339	2.955742	2.787348	2.865864	3.238915	3.351955	3.162566	2.510897	2.531245	2.592986	2.649667	2.627242	2.382676	2.611312	2.354144	2.48622
NAA40	ENSG00000110583	0.119411	5.111337	1.821446	0.0857	0.120247	-6.04035	4.179456	4.293732	4.370098	4.654117	4.352066	4.440963	4.751751	4.790167	4.505294	5.861941	5.826337	5.770599	5.914344	5.841114	5.918789	5.766509	5.811165	5.811178
CARS1	ENSG00000110619	-0.29922	6.829503	-1.94123	0.068531	0.098555	-6.01523	7.500903	7.439895	7.420994	6.603556	6.665816	6.584614	7.472699	7.386579	7.469279	6.508349	6.44222	6.471835	6.703199	6.690792	6.68813	6.30944	6.415487	6.403414
SLC22A18	ENSG00000110628	0.255854	4.245064	1.461915	0.161512	0.209816	-6.3145	3.991296	3.976101	4.087767	4.982834	4.97698	4.918297	4.339849	4.519046	4.444269	4.13047	4.10258	4.275306	3.884887	3.858903	3.910354	4.577584	4.464605	4.394143
CD81	ENSG00000110651	0.381381	7.933127	9.089779	4.87E-08	4.35E-07	8.153336	7.981351	8.008717	8.035536	8.32787	8.406805	8.34989	8.176525	8.147934	8.230862	7.401857	7.405818	7.466204	7.879057	7.790666	7.824724	7.897503	7.760536	7.816804
SLC35F2	ENSG00000110660	0.446398	6.053327	9.77932	1.66E-08	1.80E-07	9.409639	5.243701	5.278849	5.197454	5.800209	5.859584	5.754573	5.967764	5.902309	6.02321	6.167928	6.257821	6.198812	6.605122	6.559648	6.537033	6.707089	6.674133	6.649721
C11orf58	ENSG00000110696	-0.15585	6.926047	-3.41464	0.003196	0.006365	-3.11514	7.438488	7.360755	7.32426	7.259314	7.233432	7.296512	7.237072	7.34101	7.184478	6.71028	6.559401	6.697981	6.407764	6.462627	6.513816	6.549092	6.604842	6.715639

PITPNM1	ENSG00000110697	1.207624	6.279645	6.925983	2.10E-06	1.04E-05	4.40366	5.667929	5.668796	5.826129	7.574028	7.738284	7.499496	6.589465	6.482325	6.534004	5.630966	5.796904	5.856986	6.365533	6.293583	6.179507	5.984595	5.922751	5.798197
RPS13	ENSG00000110700	-0.10299	8.257473	-3.22639	0.004821	0.009204	-3.62981	8.575747	8.537412	8.512234	8.424724	8.403333	8.406376	8.426845	8.512357	8.531957	8.135912	8.124017	8.058689	7.992705	8.022246	8.072252	7.971536	7.974599	8.040434
AIP	ENSG00000110711	-0.01531	5.659449	-0.2881	0.776658	0.814336	-7.65547	5.4988	5.349122	5.483639	5.420792	5.575689	5.384134	5.665257	5.581992	5.54523	5.90277	5.884933	5.972061	5.92269	5.918631	5.80226	5.916914	5.835567	5.740557
NUP98	ENSG00000110713	-0.1271	7.135926	-3.93634	0.001016	0.002296	-2.00389	7.356844	7.362234	7.332117	7.136235	7.216574	7.235461	7.275922	7.352283	7.283613	7.067381	7.103238	7.009523	6.961665	6.94936	6.961293	7.072168	6.951155	7.011128
NDUFS8	ENSG00000110717	0.034527	6.209119	0.469898	0.644238	0.696092	-7.63423	6.504722	6.600568	6.628099	6.617648	6.693695	6.567948	6.351036	6.301706	6.391763	5.798445	5.80937	6.015638	5.929806	5.932427	5.855558	6.165694	6.036884	5.932963
TCIRG1	ENSG00000110719	0.565753	6.177622	5.727927	2.21E-05	7.87E-05	1.99246	6.411038	6.389152	6.577441	7.27607	7.425624	7.177716	6.489704	6.191911	6.521134	5.542307	5.624209	5.792059	5.976366	5.857276	5.931986	5.555628	5.554003	5.305663
CHKA	ENSG00000110721	0.164467	5.373764	1.941286	0.068524	0.098554	-5.89659	4.445163	4.230384	4.357835	4.915985	4.758354	4.874612	4.751751	4.696781	4.758139	6.375191	6.213955	6.283249	6.332804	6.304233	6.24559	5.968311	5.966024	5.989254
EXPH5	ENSG00000110723	-0.81559	2.079985	-6.73098	3.05E-06	1.42E-05	4.463932	1.519087	1.744817	1.453818	0.841981	0.389229	0.657796	0.886508	1.367163	1.01237	4.68916	4.784095	4.545867	4.011012	4.016884	3.991027	3.877544	3.929587	4.129778
HPS5	ENSG00000110756	-0.50792	5.211022	-3.94019	0.001008	0.002279	-1.69892	6.389204	6.328431	6.325286	5.367584	5.521816	5.391041	5.847177	6.004573	5.923331	4.61171	4.719513	4.703397	4.647902	4.729072	4.715769	4.442647	4.486784	4.444998
GTF2H1	ENSG00000110768	0.250043	5.558167	5.552979	3.17E-05	0.000108	1.701889	5.562619	5.666404	5.625931	5.890028	5.785315	5.926062	5.791286	5.882654	5.845819	5.22572	5.318878	5.361641	5.509846	5.508039	5.609485	5.404468	5.341637	5.362617
VWF	ENSG00000110799	0.622285	-1.17367	2.001716	0.061086	0.089044	-4.7917	0.318509	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.14259	2.285719	2.055402	2.872818	2.729118	2.821313	1.058946	1.072305	1.058313
PSMD9	ENSG00000110801	-0.02024	2.11252	-0.15974	0.874914	0.897786	-6.76064	3.056542	2.71221	2.99819	2.740812	2.85862	2.998412	2.981245	2.702788	2.892531	1.940223	2.053933	1.933468	2.096181	1.738515	2.121111	1.880661	2.295039	1.942153
P3H3	ENSG00000110811	1.400818	4.37591	3.914882	0.001065	0.00239	-1.41287	5.167074	5.044814	5.064177	6.958031	7.019439	7.043877	6.124988	6.043026	6.202046	2.856146	2.766797	2.766268	2.452975	2.50126	2.294605	3.574643	3.595851	3.571657
PPFIBP1	ENSG00000110841	-0.30485	6.260416	-2.24149	0.038238	0.058468	-5.4104	7.05699	7.130301	7.102433	6.236693	6.243717	6.304531	6.827098	6.800775	6.820294	5.740714	5.71148	5.666457	5.889013	5.933952	6.027972	5.823444	5.903094	5.838909
PRPF40B	ENSG00000110844	0.100204	4.271034	1.803561	0.088565	0.123804	-5.88213	3.911847	3.838426	3.995797	4.152252	4.177232	3.954853	4.068294	3.988732	4.032233	4.545816	4.675929	4.569452	4.684821	4.557684	4.715769	4.733454	4.81246	4.857474
PRDM4	ENSG00000110851	-0.1866	5.885941	-3.44836	0.002969	0.005967	-2.9329	6.333889	6.35837	6.26418	6.05704	5.853781	5.988874	5.997126	5.986272	5.980865	5.887203	5.806264	5.788295	5.802503	5.755749	5.807042	5.557443	5.558198	5.62033
COQ5	ENSG00000110871	-0.39404	5.022313	-7.78012	4.43E-07	2.73E-06	6.215567	5.83014	5.873404	5.904096	5.55133	5.435093	5.487647	5.609312	5.711779	5.722741	4.75239	4.54415	4.729802	4.230502	4.354074	4.297823	4.481413	4.333674	4.45054
SELPLG	ENSG00000110876	-1.42547	0.550546	-7.08054	1.58E-06	8.09E-06	5.421507	2.021155	1.780637	1.706811	1.022291	1.2379	1.055701	1.648695	1.301009	1.314712	1.52331	1.588084	1.780195	0.828978	1.032323	0.533283	1.387593	1.513652	1.222783
CORO1C	ENSG00000110880	-0.56388	7.847397	-11.6573	1.13E-09	2.08E-08	12.05959	8.007384	8.020469	7.957943	7.27607	7.340009	7.25547	8.051949	8.06441	8.043623	8.062965	8.0346	8.124354	7.645107	7.619303	7.642732	8.08255	8.079025	8.064123
ASIC1	ENSG00000110881	0.535559	3.948344	6.155983	9.34E-06	3.74E-05	3.286508	4.296689	3.991467	4.153091	4.40878	4.600983	4.358792	4.402637	4.576102	4.549426	3.186323	3.373534	3.439082	4.072312	3.915568	4.056758	3.848182	3.808018	3.797179
CAPRIN2	ENSG00000110888	0.192544	4.229563	1.329223	0.200865	0.253943	-6.47789	4.650007	4.543506	4.606117	5.342348	5.244245	5.135391	4.321396	4.436718	4.563842	3.968304	4.190981	3.942013	3.617489	3.86531	3.767168	3.775173	3.793856	3.856822
KCTD10	ENSG00000110906	-0.42219	6.352387	-8.24335	1.98E-07	1.39E-06	6.818751	6.457941	6.454368	6.451827	5.96359	5.943937	5.944959	6.428516	6.476718	6.500674	6.637711	6.615493	6.640685	6.334592	6.248953	6.240885	6.434237	6.387466	6.510753
SLC11A2	ENSG00000110911	0.466081	6.389265	7.238064	1.18E-06	6.30E-06	4.989074	6.585029	6.405017	6.432954	7.127644	7.070367	7.141312	6.89106	6.866575	6.835226	5.92581	5.874589	5.912216	6.141761	6.163149	6.236164	5.898412	5.8459	5.989254
MLEC	ENSG00000110917	1.330761	7.985904	10.20642	8.73E-09	1.06E-07	9.940659	6.831615	6.792622	6.801098	8.713408	8.651791	8.7397	8.439734	8.437353	8.356244	7.418738	7.429229	7.357365	8.238864	8.208576	8.209833	8.471894	8.366922	8.400363
MVK	ENSG00000110921	-0.55955	4.029627	-7.39692	8.80E-07	4.91E-06	5.591048	3.633432	3.439663	3.717332	3.456785	3.207016	3.152687	3.853933	3.724251	3.90213	5.001167	4.836805	4.938912	4.467344	4.279275	4.179864	4.808549	4.776901	4.902646
CSRNP2	ENSG00000110925	-0.11077	5.40601	-1.46689	0.160168	0.208393	-6.56113	5.82147	5.759098	5.86564	5.608898	5.4273	5.363212	5.683433	5.643348	5.745052	5.240498	5.200828	5.267448	5.333285	5.359369	5.328241	5.129758	5.086727	5.081151
CAMKK2	ENSG00000110931	-0.08111	5.957994	-0.88052	0.390524	0.455547	-7.34402	6.191444	6.13617	6.120966	5.969096	6.015855	5.954316	5.473848	5.5324	5.636714	6.037207	5.984483	6.077603	5.999094	6.095271	6.008725	6.165694	6.210856	6.067072
ATP5F1B	ENSG00000110955	-0.14114	9.791723	-5.93692	1.45E-05	5.48E-05	2.158847	10.42268	10.44484	10.39262	10.29508	10.3022	10.27937	10.47745	10.50492	10.46999	9.239961	9.189432	9.258002	9.065103	9.094812	9.064712	9.286467	9.251717	9.244841
PTGES3	ENSG00000110958	-0.28877	8.997751	-6.4882	4.86E-06	2.13E-05	3.31891	9.173366	9.190347	9.103372	8.991197	8.981453	8.948708	9.251733	9.277403	9.211777	8.979216	8.916253	8.937416	8.51916	8.592842	8.564528	9.12308	9.091248	9.159655
SYT10	ENSG00000110975	-0.89232	-0.89124	-6.4496	5.24E-06	2.27E-05	4.179391	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.236329	3.241771	2.992487	2.329284	2.269709	2.141451	2.692858	2.726388	2.944608
BCL7A	ENSG00000110987	0.024248	4.639377	0.411942	0.68539	0.733434	-7.39317	4.744758	4.538284	4.734969	4.619522	4.600983	4.616245	4.832157	4.784126	5.046897	4.404248	4.599033	4.623968	4.627624	4.585115	4.67449	4.850615	4.894388	4.793504
RSRC2	ENSG00000111011	0.403933	5.569552	3.169971	0.005451	0.01028	-3.49522	5.045778	5.084762	5.079193	6.069909	5.927456	6.16038	5.486326	5.45466	5.463015	5.66057	5.71148	5.75397	5.610696	5.704857	5.696257	5.591509	5.635678	5.687573
CYP27B1	ENSG00000111012	-0.53564	2.385664	-4.64916	0.000214	0.00058	0.449676	2.725848	2.966631	2.865896	2.425456	2.686486	2.629332	2.724622	3.043491	3.199964	2.543041	2.753956	2.766268	1.99126	2.269709	2.141451	2.625227	2.784842	2.610232
LIN7A	ENSG00000111052	2.805661	0.229404	6.399713	5.78E-06	2.47E-05	4.165666	3.562366	3.505362	3.638424	6.489409	6.350594	6.412002	6.723746	6.551532	6.59318	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
KRT18	ENSG00000111057	-0.80554	9.338359	-3.79121	0.001398	0.003041	-2.47486	10.49133	10.45673	10.47405	9.194667	9.324695	9.153998	8.929605	8.968673	9.004144	9.186908	9.116222	9.188425	8.810112	8.810999	8.766691	9.403877	9.403563	9.449821
ACSS3	ENSG00000111058	0.248907	-1.26083	0.776046	0.448097	0.512218	-5.88335	2.19231	2.206444	2.049454	2.393052	2.333126	1.993763	2.144798	2.255906	2.643847	0.106501	0.106501	0.16959	0.234608	0.106501	0.186984	0.106501	0.106501	0.106501
TNS2	ENSG00000111077	1.773675	3.226784	16.18182	5.87E-12	4.22E-10	17.539	3.262728	3.222448	3.39613	4.988267	5.230876	5.055043	4.330652	4.147745	4.235006	2.01088	2.032826	1.820066	3.149671	3.357127	3.096004	2.855159	2.784842	2.59029
PPM1H	ENSG00000111110	-0.25729	3.887129	-2.25103	0.037517	0.057489	-4.86771	5.142921	5.331118	5.211151	4.720913	4.789085	4.713128	4.716879	4.741115	4.813478	3.206534	3.116952	3.077191	3.133326	3.348006	3.445943	2.901634	2.741225	2.975687
METAP2	ENSG00000111142	-0.50723	7.650478	-15.5958	1.07E-11	6.63E-10	16.89309	7.776817	7.888188	7.760742	7.273847	7.216574	7.26584	7.582347	7.595909	7.587761	8.038863	7.938565	8.006996	7.511185	7.529371	7.561566	7.776466	7.755521	7.777109
LTA4H	ENSG00000111144	-0.48104	7.226992	-5.00587	9.98E-05	0.000296	0.318476	7.51643	7.543868	7.485114	6.67099	6.537759	6.617379	6.932685	6.921271	6.740051	7.636423	7.641064	7.642989	7.496084	7.518233	7.493967	7.27445	7.298896	7.302961
ELK3	ENSG00000111145	0.037498	5.458956	0.217917	0.830017	0.859277	-7.60559	4.917414	4.937835	4.925655	5.845818	5.726197	5.716587	5.753932	5.819078	5.729151	5.530331	5.559265	5.537862	5.042999	4.994639	4.926766	5.936577	5.893164	6.097414
WNT5B	ENSG00000111186	1.301986	0.187271	3.218215	0.004908	0.009345	-2.16778	2.245129	2.009193	1.987129	2.714828	2.926537	2.532704	2.102195	1.85606	2.087859	0.106501	0.398185	0.288049	0.745413	0.986036	0.760679	0.63264	0.637375	0.580851
MAGOHB	ENSG00000111196	-0.78926	4.411572	-10.5537	5.25E-09	7.11E-08	10.8569	5.030813	5.095468	4.929803	4.152252	4.081169	4.427589	4.779054	4.917048	5.03142	4.35077	4.502533	4.47583	3.789021	3.606961	3.81227	4.650836	4.525868	4.546811
ITFG2	ENSG00000111203	-0.30203	4.032246	-3.97324	0.000937	0.00214	-1.44245	4.333741	4.287521	4.255791	3.791129	3.602632	3.765857	4.164604	4.157125	4.235006	4.295234	4.176619	4.209279	4.059394	4.132949	4.169997	4.127753	4.205799	4.216898
FOXM1	ENSG00000111206	-1.55909	5.303022	-5.8333	1.79E-05	6.54E-05	2.415239	5.504227	5.433112	5.455144	5.15214	5.162106	5.114677	6.179794	6.058125	5.942765	5.98551	5.877552	6.053763	3.617489	3.659519	3.263113	6.044073	5.847615	5.966227
PARP11	ENSG00000111224	0.497508	1.742036	3.461596	0.002884	0.005814	-2.0003	2.526909	2.152784	2.194417	2.864145	2.633282	2.697781	1.966276	1.988058	2.005764	1.616888	1.777644	1.820066	1.99126	2.148862	2.141451	1.880661	2.030948	2.119598
ARPC3	ENSG00000111229	0.209851	7.44078	5.256865	5.87E-05	0.000186	0.855264	7.556164	7.627387	7.494246	7.693598	7.694314	7.696355	7.524033	7.584657	7.412664	7.184092	7.211696	7.269648	7.429456	7.574549	7.496437	7.237558	7.220327	7.182423
GPN3	ENSG00000111231	-0.71567	4.720692	-13.4227	1.22E-10	3.77E-09	14.62664	4.97718	5.041126	4.974661	4.161901	4.267295	4.330328	4.7858	4.843429	4.849226	5.262384	5.006104	5.178223	4.450951	4.557684	4.476566	4.936827	5.018332	4.878182
VPS29	ENSG00000111237	-0.40447	6.172013	-9.2185	3.97E-08	3.67E-07	8.496303	6.413925	6.39205	6.351807	6.05186	6.03393	6.027064	5.919505	6.073067	6.028417	6.425634	6.462095	6.474961	5.992313	6.041121	6.032063	6.235393	6.210856	6.302841
RAD51AP1	ENSG00000111247	-1.39929	3.012084	-5.81054	1.87E-05	6.79E-05	2.77805	2.609804	2.784561	2.681399	2.633943	2.549605	2.94309	3.571163	3.250449	3.655245	3.944434	3.896014	4.016833	2.129525	2.084417	2.200805	4.293774	4.227036	4.370952
SH2B3	ENSG00000111252	0.235032	4.692382	1.749785	0.097691	0.135074	-5.82462	6.02962	6.146502	6.117333	6.48365	6.635697	6.549545	6.132946	6.191911	6.099406	3.376719	3.494263	3.663876	3.091636	3.320292	3.085545	3.333216	3.366281	2.990979
MANSC1	ENSG00000111261	0.028075	4.448952	0.369206	0.716409	0.762275	-7.4232	3.643304	3.686213	3.688245	3.999198	4.158524	3.807755	4.302704	4.212157	4.45204	4.957113	4.981528	5.041557	4.888451	4.863163	4.950015	5.129758	5.243446	5.377239
DUSP16	ENSG00000111266	0.390745	5.356734	4.163119	0.000618	0.001477	-1.29359	5.089762	5.147837	5.300357	6.028317	5.815483	5.916519	5.36994	5.38452	5.478316	5.342194	5.391149	5.28358	5.446761	5.472807	5.33267	5.134631	5.075063	5.070394
CREBL2	ENSG00000111269	0.201642	5.024212	3.473362	0.00281	0.00568	-2.76359	5.011887	4.99613	4.844488	5.412733	5.300788	5.298562	4.8959	4.860754	4.732845	5.183009	5.203192	5.168603	5.166607	5.29912	5.271695	4.894365	4.833383	4.882289
ACAD10	ENSG00000111271	0.996474	4.645085	9.606427	2.16E-08	2.23E-07	9.334331	4.363907	4.177623	4.275483	5.137544	4.888929	5.050687	4.825625	4.796183	4.84333	4.266643	4.369954	4.213027	5.379059	5.308554	5.443303	4.446571	4.30899	4.61255
ALDH2	ENSG00000111275	1.03176	1.356616	4.430499	0.000345	0.000882	0.245006	2.548084	2.91921	2.848472	3.977507	3.901574	3.776446	4.045989	3.978187	3.708117	0.781331	0.583785	0.76743	0.828978	0.612281	0.812339	0.686723	0.975239	0.734116
CDKN1B	ENSG00000111276	0.466376	4.882261	3.045685	0.007134	0.013078	-3.67218	3.633432	3.82133	3.736403	5.117849	5.128856	5.024275	4.528631	4.444399	4.41276	5.458414	5.465891	5.537862	5.490727	5.544428	5.493616	5.378002	5.269267	5.397464
NAA25	ENSG00000111300	-0.10981	6.375033	-2.08091	0.052442	0.077668	-5.73645	6.534203	6.455753	6.523568	6.569526	6.442385	6.592126	6.546418	6.440687	6.483715	6.359482	6.349235	6.300088	6.115998	6.126279	6.082904	6.411331	6.335861	6.404842
SCNN1A	ENSG00000111319	0.612178	5.043556	6.612779	3.82E-06	1.73E-05	3.768751	3.156438	3.114308	2.739267	2.393052	2.633282	2.605775	2.186178	2.220554	1.962896	7.501839	7.60978	7.568867	8.333561	8.280454	8.23726	7.598784	7.639043	7.65882
LTBR	ENSG00000111321	0.141339	7.595069	4.109279	0.000695	0.00164	-1.65103	7.83343	7.83488	7.898336	7.94829	7.997081	7.942475	8.083774	7.919679	8.073526	7.135506	7.121473	7.181998	7.314555	7.367848	7.279006	7.327544	7.29513	7.299894
OGFOD2	ENSG00000111325	-0.35952	0.397828	-1.62267	0.122557	0.165161	-5.17585	1.235614	1.81559	1.921989	1.519216	1.498102	1.575618	1.074544	1.082132	1.38134	1.158593	1.152172	1.277453	0.869014	1.203912	0.760679	1.099384	0.871168	1.170016
CDK2AP1	ENSG00000111328	0.591673	5.122264	5.77269	2.02E-05	7.26E-05	2.259537	4.909255	4.742796	4.804386	5.765822	5.899563	5.611097	5.757368	5.646681	5.738712	4.652797	4.637993	4.765977	4.941045	4.971068	4.869998	5.210433	5.077988	4.99276
OAS3	ENSG00000111331	-0.74808	7.066742	-6.74569	2.96E-06	1.39E-05	3.941018	6.172821	6.187107	6.117333	5.895822	5.905185	5.781107	6.103549	6.232407	6.188155	8.296853	8.32487	8.260763	7.318175	7.337062	7.353912	8.648351	8.648485	8.684371
OAS2	ENSG00000111335	-1.01352	3.559426	-14.227	4.79E-11	1.89E-09	15.51942	0.947665	1.061904	0.756332	0.742604	1.006428	1.123626	1.816207	1.491012	1.727075	7.014626	7.051704	7.105917	5.91554	6.045359	6.072348	7.530645	7.60852	7.597701
MGP	ENSG00000111341	0.060245	-1.01694	0.259734	0.798104	0.831864	-6.59107	0.216396	0.106501	0.106501	0.106501	0.106501	0.3528	0.106501	0.106501	0.256032	1.891119	2.074736	2.198406	2.178139	1.993753	1.851631	1.903678	2.33471	1.910335
RASAL1	ENSG00000111344	-0.03878	2.557954	-0.36755	0.717624	0.763169	-6.90048	2.798329	3.07157	2.933559	2.661411	2.811499	2.741673	2.513265	2.825515	2.616448	2.574485	2.714733	2.826234	2.872818	2.714997	2.76998	2.979529	2.95995	2.880366
ARHGDIB	ENSG00000111348	0.032275	3.222579	0.283353	0.780235	0.817244	-7.66456	1.235614	1.374745	1.499186	0.395333	0.25478	0.461789	0.983587	0.253663	0.515351	7.357356	7.31912	7.378382	7.498479	7.455919	7.430296	7.093596	7.202345	7.104598
GTF2H3	ENSG00000111358	-1.23927	6.253505	-11.0409	2.63E-09	4.03E-08	11.30751	7.097051	7.109326	7.078346	5.355021	5.326156	5.384134	6.062473	6.092752	6.01011	6.792802	6.830279	6.84775	5.967173	6.006758	6.003179	6.310517	6.326052	6.340636
EIF2B1	ENSG00000111361	-0.04224	6.662389	-0.93477	0.362642	0.427504	-7.38247	6.1847	6.221723	6.122779	6.171319	6.270099	6.286123	6.184906	6.278258	6.342446	7.223056	7.227457	7.200526	7.022836	7.131822	7.141872	7.044604	7.063147	7.081569
DDX55	ENSG00000111364	-0.12245	5.348363	-1.57503	0.133175	0.177405	-6.42081	5.233934	5.269425	5.187095	5.452586	5.226392	5.553773	5.29153	5.210752	5.188519	5.632834	5.643484	5.592123	5.311659	5.255884	5.303633	5.596816	5.493948	5.481066
SLC38A1	ENSG00000111371	0.290184	8.319752	4.660074	0.000209	0.000568	-0.48357	8.385568	8.356764	8.340981	8.79473	8.769349	8.923025	9.066438	9.107891	9.034221	7.768891	7.809931	7.697522	7.861489	7.863685	7.864269	8.098225	8.008722	8.092756
SPRING1	ENSG00000111412	-0.29753	6.368718	-7.25272	1.15E-06	6.18E-06	4.997553	6.766485	6.77608	6.719588	6.564078	6.474882	6.569471	6.344198	6.278258	6.211233	6.572048	6.449208	6.522559	6.191945	6.111532	6.157205	6.073551	6.08129	6.100942
VDR	ENSG00000111424	-0.27124	4.689962	-3.20313	0.005072	0.009622	-3.32328	3.878801	3.904854	3.914407	4.199863	4.139571	3.982555	3.841036	4.090149	3.968647	5.621589	5.573951	5.6178	5.192476	5.154897	5.200779	5.780566	5.759266	5.769665
FZD10	ENSG00000111432	0.391606	-1.36228	1.798975	0.089313	0.124732	-4.69941	1.959273	2.37994	2.469799	2.48816	2.520598	2.904994	2.806512	2.848856	2.82232	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RFC5	ENSG00000111445	-1.26621	4.886495	-10.8381	3.50E-09	5.13E-08	11.21394	5.20423	5.175008	5.22134	4.525489	4.318753	4.622128	5.243334	5.447033	5.346947	5.367097	5.411735	5.459558	3.778549	3.903166	3.849837	5.323569	5.324498	5.417409
STX2	ENSG00000111450	0.397902	2.548323	2.437139	0.025752	0.041129	-3.98002	5.027048	4.961437	4.913139	5.456512	5.454395	5.401341	5.531176	5.510612	5.512161	0.934589	0.89579	1.188864	0.701742	0.986036	0.812339	1.058946	1.118494	0.93723
ADGRD1	ENSG00000111452	0.50119	1.782005	1.342216	0.196702	0.249255	-5.45329	6.585029	6.649821	6.61399	7.063459	7.260001	7.126903	7.91559	7.714215	7.758062	0.269074	0.185134	0.106501	0.106501	0.106501	0.186984	0.326864	0.19538	0.409347
COPZ1	ENSG00000111481	-0.73543	7.767809	-24.0316	7.80E-15	4.90E-12	24.29087	8.458674	8.49323	8.417194	7.684422	7.666446	7.660361	8.273305	8.291662	8.315826	7.731459	7.63232	7.697522	7.003295	7.013501	7.010503	7.546728	7.536985	7.517472
TBC1D30	ENSG00000111490	-0.11606	4.022166	-0.92499	0.367565	0.432449	-6.96069	3.572735	3.888531	3.764544	4.161901	4.231942	4.241401	3.891945	3.477062	3.641718	4.545816	4.483212	4.604122	4.046359	4.10073	4.279586	4.361843	4.328771	4.422617
CAND1	ENSG00000111530	-0.15855	7.69436	-3.23837	0.004697	0.008992	-3.56465	7.902365	7.985883	7.892503	7.969048	7.832021	7.883085	7.864726	7.859905	7.801289	7.621448	7.615115	7.595317	7.337477	7.338214	7.334719	7.566244	7.600914	7.629195
RAB5B	ENSG00000111540	0.08274	7.002242	1.455845	0.163163	0.211613	-6.80566	7.097949	7.123343	7.012401	7.005693	6.866462	7.003885	6.684577	6.672564	6.559406	7.088635	7.089887	7.132386	7.368792	7.376284	7.316945	6.914664	6.97096	6.966378
MDM1	ENSG00000111554	0.274094	3.054182	3.133207	0.005903	0.011035	-2.97548	3.249862	3.382531	3.408073	3.605613	3.602632	3.733615	3.457463	3.619579	3.60036	2.749986	2.946841	2.974933	2.977243	3.193633	3.085545	2.706012	2.799093	3.021085
NUP107	ENSG00000111581	-0.70479	5.485588	-8.85769	7.09E-08	5.94E-07	8.000408	5.817116	5.898074	5.861303	5.432797	5.403664	5.541409	5.708501	5.695778	5.519576	5.732026	5.800031	5.819366	4.902986	4.814328	4.866948	5.542855	5.447207	5.547215
CNOT2	ENSG00000111596	0.159261	6.179071	2.617777	0.017723	0.029384	-4.70155	6.289001	6.216828	6.215741	6.333788	6.317247	6.335295	6.604805	6.465436	6.439449	5.93795	6.0278	5.974271	6.254679	6.16834	6.148438	5.932386	5.967602	5.966227
TIMELESS	ENSG00000111602	-1.12381	5.858786	-7.63215	5.76E-07	3.43E-06	5.819465	6.405248	6.41787	6.463319	5.812513	5.876854	5.882614	6.323484	6.31224	6.273953	6.154986	6.096801	6.107112	4.607058	4.565575	4.444184	6.094959	5.987961	6.149449
CPSF6	ENSG00000111605	-0.45313	7.433931	-7.2124	1.23E-06	6.57E-06	4.835621	7.688395	7.753288	7.758412	7.100306	6.999867	7.062384	7.697722	7.712626	7.670019	7.491581	7.397069	7.493815	7.260082	7.13845	7.23591	7.531569	7.454421	7.522085
KRR1	ENSG00000111615	-0.82681	6.28389	-8.02464	2.88E-07	1.91E-06	6.449915	6.73567	6.722987	6.713586	5.436777	5.407631	5.513197	6.495888	6.629411	6.554	6.442774	6.552929	6.562039	6.03583	6.091177	6.021128	6.472264	6.501879	6.580647
MRPL51	ENSG00000111639	-0.61129	6.71328	-11.7443	1.01E-09	1.93E-08	12.2564	6.863637	6.98913	6.915329	6.185579	6.302412	6.125602	6.770407	6.862281	6.907654	7.036665	7.011808	7.052	6.538415	6.492942	6.515765	6.899715	6.782101	6.847499
GAPDH	ENSG00000111640	0.05214	11.50195	0.808483	0.429681	0.4947	-7.78247	11.81036	11.8491	11.81769	12.07045	12.13872	12.02225	12.25658	12.27588	12.24402	10.88374	10.87281	10.7806	10.67259	10.71543	10.6887	11.27481	11.3132	11.35838
NOP2	ENSG00000111641	-0.41398	7.281507	-13.0339	1.95E-10	5.31E-09	13.91487	7.378432	7.43358	7.438567	6.985458	7.033624	7.036187	7.285474	7.220923	7.23377	7.63176	7.493406	7.554905	7.190693	7.109057	7.108036	7.353376	7.347581	7.405666
CHD4	ENSG00000111642	0.034072	8.657691	0.613243	0.547614	0.60764	-7.80047	8.069568	8.093491	8.061761	7.916582	7.858342	7.927707	7.82598	7.751846	7.812651	9.290393	9.401636	9.249928	9.515269	9.479079	9.513815	9.413431	9.34664	9.385461
UHRF1BP1	ENSG00000111647	-0.13473	4.780758	-1.50001	0.151459	0.198513	-6.39718	5.038315	4.992316	5.079193	5.199754	5.257491	5.246196	4.851577	4.987092	4.866774	4.779626	4.91387	4.765977	4.386902	4.416485	4.431851	4.630284	4.600995	4.587619
COPS7A	ENSG00000111652	-0.02494	6.386081	-0.58686	0.5648	0.624133	-7.60649	6.438229	6.43483	6.451827	6.504656	6.523209	6.566424	6.466799	6.379897	6.476114	6.442774	6.395443	6.500491	6.337271	6.292394	6.337714	6.245564	6.263193	6.212776
ING4	ENSG00000111653	0.691553	3.997187	4.346991	0.000413	0.001035	-0.72264	3.928091	3.846899	3.863273	3.77864	3.546181	3.572823	2.957542	3.335526	3.655245	4.408616	4.382523	4.257266	5.391139	5.287239	5.485683	3.912008	4.023613	4.108904
CDCA3	ENSG00000111665	-2.91035	2.650581	-13.9653	6.46E-11	2.37E-09	15.05873	3.701161	3.61855	3.597291	1.840866	1.864131	1.956998	3.866715	3.749274	3.69508	3.844798	3.695711	3.914651	1.154653	1.16289	0.957066	3.854102	3.458949	3.55117
CHPT1	ENSG00000111666	0.35425	5.087559	3.489256	0.002714	0.005513	-2.5848	5.926267	6.004148	5.922947	6.515985	6.54498	6.504077	6.273964	6.448347	6.359073	3.882973	3.907656	4.112253	3.993008	3.903166	3.824901	4.222335	4.029668	4.249053
USP5	ENSG00000111667	0.126105	6.918222	3.567998	0.002283	0.004726	-2.8068	6.795549	6.740145	6.738629	6.875407	6.899228	6.820342	6.642458	6.58319	6.605426	7.134188	7.005728	7.105917	7.293104	7.196136	7.177396	7.039417	7.071977	7.026979
TPI1	ENSG00000111669	-0.03573	9.439911	-0.43346	0.669986	0.719654	-7.91649	9.32348	9.309888	9.310227	9.538344	9.62047	9.566385	9.610619	9.566967	9.627232	9.404962	9.396094	9.357036	9.072355	9.085581	9.079941	9.697113	9.710969	9.67983
GNPTAB	ENSG00000111670	0.430669	5.626481	7.851107	3.91E-07	2.46E-06	6.215152	5.825812	5.798943	5.783216	6.209037	5.943937	6.127672	5.885366	5.905096	5.880784	5.205778	5.193714	5.135408	5.688268	5.708425	5.758486	5.297735	5.269267	5.214151
SPSB2	ENSG00000111671	0.729542	3.390771	7.304544	1.04E-06	5.68E-06	5.587817	3.562366	3.370829	3.25779	4.092964	4.447623	4.036412	3.733489	3.302095	3.628063	3.275122	3.1855	3.210672	3.855296	3.766081	3.72061	3.190769	3.127424	2.81313
ENO2	ENSG00000111674	-1.13687	3.754666	-8.06586	2.68E-07	1.80E-06	6.98553	3.952119	3.846899	3.955676	3.533117	3.225109	3.391835	4.819063	4.734864	4.849226	3.968304	4.223947	4.008229	2.812503	2.686334	2.449456	4.477583	4.442079	4.411295
ATN1	ENSG00000111676	0.597382	7.094456	12.21376	5.47E-10	1.16E-08	12.87632	6.821868	6.73559	6.836879	7.436708	7.441187	7.475326	7.796222	7.559236	7.743889	6.455496	6.487528	6.546525	7.076184	6.993167	7.020146	7.107913	7.203015	7.167359
C12orf57	ENSG00000111678	0.501699	5.576991	3.165709	0.005501	0.010367	-3.46516	5.437711	5.328095	5.405371	6.450574	6.515879	6.460417	5.907184	5.833775	5.975483	5.1881	5.130539	5.28714	5.156533	5.131167	5.115953	5.628249	5.511363	5.507891
PTPN6	ENSG00000111679	0.735907	3.338912	6.020994	1.22E-05	4.73E-05	2.868599	2.649532	2.61635	2.794903	2.291228	2.57804	2.5075	1.648695	1.710758	2.005764	4.368817	4.423646	4.36564	5.306202	5.272852	5.200779	4.762075	4.695442	4.597643
LPCAT3	ENSG00000111684	1.218543	4.645013	21.04733	7.35E-14	1.66E-11	22.03387	4.674285	4.548709	4.509652	5.674404	5.644527	5.705548	4.702691	4.87219	4.807433	3.709722	4.024536	3.839044	5.109264	5.043483	5.141424	4.23146	4.242761	4.274271
NT5DC3	ENSG00000111696	-1.134	4.099812	-12.542	3.60E-10	8.32E-09	13.61653	5.4988	5.549286	5.579162	4.350907	4.267295	4.113606	4.825625	4.802174	4.73921	4.098381	3.986619	3.95997	3.205461	3.152313	3.361763	3.254827	3.317614	3.498643
SUDS3	ENSG00000111707	-0.11718	6.321577	-1.15129	0.265119	0.324964	-7.10352	6.359567	6.377503	6.322134	5.863665	5.850871	5.845381	6.479338	6.482325	6.57728	6.326388	6.405742	6.357099	6.485475	6.556682	6.567418	6.491383	6.386287	6.391939
GOLT1B	ENSG00000111711	-0.79978	5.947376	-13.3471	1.34E-10	4.03E-09	14.43376	6.526223	6.553462	6.587979	5.626427	5.565074	5.625812	6.593315	6.515521	6.548574	5.998609	5.965115	5.890143	5.254243	5.38635	5.29458	5.869475	5.819927	5.886702
LDHB	ENSG00000111716	-0.16072	9.437214	-4.87091	0.000133	0.000381	-0.10293	9.698802	9.717447	9.659955	9.635037	9.578645	9.62322	9.668112	9.758999	9.712395	9.291724	9.255835	9.294062	9.019419	9.064158	9.046458	9.299542	9.263167	9.322258
PRKAB1	ENSG00000111725	0.047939	6.184793	0.530537	0.602416	0.659154	-7.62497	6.263624	6.252341	6.18657	5.944151	5.888253	5.899666	6.153955	6.078014	6.091965	6.268685	6.217467	6.2761	6.604381	6.5287	6.602688	6.176366	6.148223	6.114968
CMAS	ENSG00000111726	-0.07747	5.475588	-0.79415	0.437757	0.502253	-7.32067	5.979843	5.99274	5.974054	5.44865	5.554381	5.538302	5.646849	5.650007	5.598715	5.172773	5.217293	5.278222	5.391139	5.53642	5.559343	5.208123	5.146465	5.274758
HCFC2	ENSG00000111727	0.349681	3.27863	2.706971	0.014699	0.024906	-3.88328	3.011517	3.169391	3.029452	3.619685	3.560502	3.765857	4.057185	4.238905	4.05282	3.17611	3.1855	3.018425	3.031169	3.162755	3.421201	3.341669	3.431768	3.466183
C2CD5	ENSG00000111731	0.230923	4.70806	4.159631	0.000622	0.001486	-1.24275	4.02189	4.087546	4.222364	4.40878	4.240862	4.202668	4.302704	4.175703	4.073118	5.269607	5.329736	5.285361	5.55042	5.54243	5.519102	5.090174	5.339201	5.174518
RAB35	ENSG00000111737	-0.06886	6.404129	-1.78085	0.092324	0.128642	-6.23505	6.500655	6.508776	6.511164	6.365449	6.41703	6.354858	6.782263	6.79628	6.788423	6.223531	6.138155	6.256254	6.272513	6.128944	6.162191	6.476108	6.413172	6.49743
PHC1	ENSG00000111752	0.098914	3.538459	0.819911	0.423308	0.48839	-6.94329	3.738482	3.768792	3.745844	3.273122	3.34578	3.136338	3.405851	3.043491	3.236418	3.785574	3.811781	3.722908	4.126992	4.284065	4.093761	3.812139	3.779553	3.856822
COX6A1	ENSG00000111775	0.035328	5.566245	0.780224	0.445697	0.509803	-7.34642	5.741006	5.729621	5.835003	5.860706	5.952107	5.727543	5.729647	5.7054	5.745052	5.430762	5.495122	5.390066	5.380791	5.397445	5.534564	5.359391	5.322033	5.423057
RIC8B	ENSG00000111785	0.423776	4.083509	5.585118	2.97E-05	0.000102	2.091361	4.192962	4.243278	4.034833	4.839889	4.662026	4.735009	4.765467	4.819999	4.613192	3.591745	3.70241	3.519989	3.825085	3.772912	3.824901	4.005409	3.955266	4.014786
SRSF9	ENSG00000111786	-0.14113	7.373242	-4.04763	0.000796	0.001849	-1.78037	7.421378	7.486053	7.372295	7.287134	7.269839	7.209322	7.456936	7.419104	7.508933	7.341451	7.320209	7.436852	7.246848	7.250379	7.271528	7.546728	7.504742	7.530612
AC009533.	ENSG00000111788	-1.28734	1.375773	-6.50266	4.73E-06	2.08E-05	4.346185	1.755904	1.915637	1.954926	1.791994	1.612488	1.475193	1.70672	1.809233	1.873138	2.620402	2.66072	2.510098	1.218025	1.203912	1.390007	2.115663	2.212266	2.091498
FGFR1OP2	ENSG00000111790	-0.37948	4.956447	-6.10036	1.04E-05	4.11E-05	2.899005	4.683882	4.619648	4.531653	4.359318	4.1009	4.393601	4.765467	4.849227	4.7071	5.730282	5.625972	5.590683	5.212064	5.294379	5.243746	5.430457	5.435851	5.542033
COL12A1	ENSG00000111799	0.729435	4.478791	6.243461	7.85E-06	3.22E-05	3.375103	5.388667	5.469231	5.541709	5.830775	5.899563	6.018168	4.87074	4.955186	4.940438	3.113269	3.547323	3.240362	4.404034	4.367677	4.398437	3.281432	3.458949	3.387478
BTN3A3	ENSG00000111801	0.795961	3.227437	8.171306	2.24E-07	1.54E-06	7.089367	2.688195	2.206444	2.492412	2.605941	2.57804	2.825643	2.724622	2.825515	2.82232	3.831846	3.647924	3.759253	4.595172	4.612034	4.681452	4.021281	4.11758	4.223386
TDP2	ENSG00000111802	-0.26902	6.100483	-2.25361	0.037325	0.057213	-5.35876	6.561793	6.683324	6.58929	6.07247	6.086834	5.986596	6.956797	7.01065	6.935637	5.718015	5.742688	5.612134	5.665715	5.794873	5.696257	5.70232	5.703538	5.701584
FRK	ENSG00000111816	0.177816	4.468553	1.549922	0.139078	0.184217	-6.3979	3.710582	3.695626	3.586821	4.502891	4.537243	4.639633	3.19904	3.384264	3.340558	5.59692	5.691415	5.487683	5.440132	5.491566	5.499538	4.637167	4.710599	4.689552
DSE	ENSG00000111817	1.208215	4.458166	13.51399	1.10E-10	3.48E-09	14.77759	4.941618	4.830853	4.657046	5.830775	5.707014	5.778475	4.673889	4.819999	4.613192	3.403229	3.365114	3.373604	4.771865	4.736081	4.814076	3.848182	3.772348	3.698167
RWDD1	ENSG00000111832	-0.01961	4.796998	-0.35571	0.726313	0.770855	-7.41066	5.217507	5.318988	5.309937	5.254892	5.438974	5.191857	5.282018	5.514266	5.355259	4.425958	4.353024	4.398932	4.32708	4.385617	4.315833	4.504182	4.391248	4.365096
TMEM14C	ENSG00000111843	-0.03243	6.369131	-0.32884	0.746183	0.787776	-7.72291	6.717094	6.740145	6.758588	6.454505	6.310908	6.223654	6.558286	6.581449	6.562999	6.108753	6.19982	6.158558	6.443004	6.444555	6.48625	6.064643	6.075448	6.083215
PAK1IP1	ENSG00000111845	-0.36366	5.59531	-3.19742	0.005135	0.009736	-3.46823	5.588399	5.55188	5.549817	4.640378	4.558804	4.473866	5.021241	4.955186	5.117003	6.239558	6.266889	6.327147	6.230872	6.246501	6.289542	6.106165	6.091458	6.070675
GCNT2	ENSG00000111846	-0.01586	4.339496	-0.29459	0.77178	0.810615	-7.41741	4.138162	4.34846	4.229112	4.3081	4.167908	4.113606	4.057185	4.147745	4.112876	4.64911	4.623947	4.586891	4.633447	4.693507	4.543056	4.637167	4.751478	4.680149
SMIM8	ENSG00000111850	-0.08746	1.972786	-0.71109	0.486411	0.549576	-6.59258	2.137484	2.425906	2.138168	2.359902	1.718467	1.880533	2.186178	2.389238	2.047395	2.543041	2.469748	2.558044	2.491955	2.627242	2.574402	2.509956	2.37332	2.252429
NEDD9	ENSG00000111859	0.999242	6.221087	7.649089	5.59E-07	3.34E-06	5.796823	6.552655	6.349454	6.443147	7.659097	7.535733	7.606483	6.965736	6.972641	7.085539	5.346754	5.421918	5.376759	6.187994	6.169635	6.064381	4.958973	4.884398	4.836464
CEP85L	ENSG00000111860	-0.46685	2.763535	-3.97536	0.000933	0.002132	-1.03182	3.928091	3.812706	3.792147	3.503067	3.48743	3.620621	3.828023	3.685883	3.759121	2.777267	2.320972	2.497858	1.916818	2.148862	1.923865	2.192442	2.190809	2.629903
ASF1A	ENSG00000111875	-0.11044	4.477484	-1.48752	0.154697	0.202383	-6.3004	5.019487	4.945746	4.994599	4.733909	4.628433	4.72957	5.120637	5.298133	5.155586	4.065562	4.008408	4.116262	4.171694	4.095289	4.14503	4.166333	4.195062	4.242679
MCM9	ENSG00000111877	0.095243	3.612329	1.37511	0.186469	0.237984	-6.25034	4.014302	4.058659	4.174224	4.122913	4.081169	4.210498	4.101117	4.299455	3.935772	3.303547	3.313538	3.373604	3.46257	3.348006	3.517722	3.298901	3.236163	3.364179
FAM184A	ENSG00000111879	-0.55771	0.824974	-3.00444	0.007797	0.014131	-2.7962	1.927307	2.206444	2.326135	1.393812	1.666451	1.575618	1.525136	1.367163	1.01237	1.616888	1.335727	1.631268	1.573426	1.282615	1.17005	1.099384	1.16325	1.322858

RNGTT	ENSG00000111880	-0.29627	4.746614	-4.70352	0.000191	0.000523	0.03521	5.008072	5.077581	5.108765	4.960893	4.782991	4.879531	4.980658	5.281075	5.146036	4.703453	4.842882	4.563592	4.330668	4.398927	4.27038	4.717304	4.676269	4.712796
MAN1A1	ENSG00000111885	2.106449	1.881938	11.0109	2.75E-09	4.16E-08	11.62756	0.503316	0.736739	0.323815	2.425456	2.686486	2.374422	0.886508	1.15884	1.0941	3.216534	3.381904	3.232997	4.941045	5.000472	5.025827	2.400938	2.881762	2.668457
SERINC1	ENSG00000111897	0.410407	7.035057	6.288732	7.18E-06	2.99E-05	3.040748	6.946707	6.901354	6.885741	7.557676	7.364702	7.520908	7.123169	7.096033	7.05907	6.956143	6.961034	6.907961	7.182276	7.219454	7.191487	6.605459	6.669292	6.690101
HDDC2	ENSG00000111906	-0.20247	5.521903	-4.03622	0.000816	0.00189	-1.52166	6.553964	6.563778	6.508393	6.432751	6.418997	6.4069	6.386973	6.349536	6.40983	4.799721	4.84591	4.878827	4.49639	4.529722	4.606616	4.555953	4.547132	4.802199
TPD52L1	ENSG00000111907	0.875148	4.726955	11.64141	1.16E-09	2.11E-08	12.37553	5.114814	4.984658	4.929803	5.878371	5.924691	6.006972	5.440037	5.499594	5.541593	3.805587	3.501964	3.596598	4.352013	4.363157	4.364231	4.293774	4.283876	4.359215
HINT3	ENSG00000111911	-0.1338	5.574661	-2.62312	0.017527	0.029115	-4.53515	6.610415	6.585458	6.626822	6.519742	6.415061	6.435578	6.514283	6.493476	6.506283	4.7455	4.839847	4.806238	4.627624	4.882244	4.588211	4.681127	4.542904	4.602629
NCOA7	ENSG00000111912	0.718756	7.16099	13.51011	1.10E-10	3.49E-09	14.58374	8.312044	8.346344	8.337083	9.129775	9.087246	9.076584	8.75884	8.795928	8.777073	5.508112	5.318878	5.294235	5.977511	5.978961	6.012871	5.428474	5.526431	5.547215
SASH1	ENSG00000111961	0.631494	3.608701	5.851201	1.72E-05	6.36E-05	2.749074	4.381709	4.268725	4.339244	4.821743	4.70778	4.819357	4.293266	4.109604	4.279358	3.113269	2.546219	2.83599	3.557503	3.599295	3.608189	2.464239	2.813204	2.880366
UST	ENSG00000111962	2.706433	1.598593	7.983111	3.10E-07	2.03E-06	7.00023	0.587539	0.661886	0.512639	3.533117	3.502343	3.27721	1.459147	1.15884	0.833554	1.76051	1.8028	1.780195	3.501296	3.583837	3.378997	2.890155	2.634012	2.880366
ULBP1	ENSG00000111981	0.912788	2.396001	5.479492	3.69E-05	0.000124	2.143637	2.392887	2.836538	2.758051	2.887595	2.686486	2.924168	2.545421	2.511284	2.202855	2.243849	2.249583	2.198406	3.469097	3.445301	3.244428	2.317694	2.680939	2.374055
FBXO5	ENSG00000112029	-0.78044	3.749931	-6.08032	1.09E-05	4.26E-05	3.179049	4.179456	4.177623	3.987862	3.851999	3.796595	3.936085	4.437325	4.147745	4.207726	4.065562	4.14254	4.075663	2.95881	3.054776	2.976553	3.923315	3.835933	3.770842
MTRF1L	ENSG00000112031	0.088549	4.511558	1.210318	0.242271	0.299758	-6.70466	4.674285	4.738249	4.616447	4.495279	4.668652	4.679672	4.980658	4.933517	4.795267	4.281009	4.361514	4.32118	4.386902	4.573423	4.602954	4.374256	4.353122	4.536426
PPARD	ENSG00000112033	0.275298	5.208861	4.874835	0.000132	0.000378	0.204325	3.662849	3.39414	3.576275	4.052041	4.284653	4.071231	3.976929	3.90213	3.924645	6.549478	6.565845	6.557624	6.745483	6.751716	6.730705	6.687327	6.794602	6.626654
FANCE	ENSG00000112039	-0.23824	2.671654	-1.96943	0.064965	0.094034	-5.31054	1.475543	1.631689	2.018628	1.578054	1.953662	2.029614	2.513265	2.568641	2.440135	3.882973	3.811781	4.096105	3.575762	3.717329	3.578659	4.122857	3.980496	4.080593
MAPK14	ENSG00000112062	-0.47301	6.195612	-9.01949	5.46E-08	4.77E-07	8.172767	6.234531	6.288557	6.270736	5.740289	5.613956	5.743822	6.330422	6.417458	6.346621	6.414817	6.473889	6.500491	6.078073	6.138233	5.983596	6.476108	6.335861	6.504107
KCTD20	ENSG00000112078	0.254776	6.674737	3.162896	0.005535	0.010422	-3.62523	6.520878	6.643756	6.566826	7.023002	6.927127	6.83054	7.268717	7.389566	7.337046	6.324078	6.370422	6.283249	6.466844	6.509398	6.465224	6.507438	6.484348	6.49609
STK38	ENSG00000112079	0.627649	5.824536	11.71477	1.05E-09	1.98E-08	12.27144	5.149863	5.278849	5.211151	5.860706	5.818465	5.596232	5.431459	5.306587	5.278673	6.06791	6.042395	6.016711	6.677361	6.733445	6.707871	5.9601	6.01263	6.18811
SRSF3	ENSG00000112081	-0.37143	8.409857	-7.04879	1.67E-06	8.51E-06	4.454031	8.621725	8.68293	8.567856	8.10405	8.067087	8.03798	8.622295	8.644522	8.613473	8.465935	8.44558	8.411308	8.243155	8.24004	8.225995	8.485308	8.446878	8.53099
SOD2	ENSG00000112096	-0.46383	7.454333	-3.79014	0.001401	0.003047	-2.22571	9.651282	9.673616	9.662917	8.951415	8.881614	8.966447	9.864308	9.787023	9.795675	5.473087	5.380746	5.48148	5.426782	5.48534	5.536486	5.529969	5.471879	5.486471
MRPL18	ENSG00000112110	-0.03216	6.086178	-0.5253	0.605977	0.662389	-7.5971	6.196482	6.282324	6.076759	6.209037	6.317247	6.263719	6.138227	6.166593	6.150445	6.004393	5.939825	6.064176	5.836975	5.967096	5.857096	6.154943	6.091458	6.228989
MCM3	ENSG00000112118	-1.40549	6.815547	-7.74836	4.68E-07	2.87E-06	5.880997	6.783324	6.678585	6.756255	6.05186	6.11136	6.117296	6.116986	6.15961	6.131214	8.016499	8.008484	7.998334	6.190958	6.155327	6.172111	7.835638	7.824196	7.842848
RNF8	ENSG00000112130	-0.11822	4.491336	-1.57676	0.132777	0.177024	-6.25779	4.855064	4.696667	4.595711	4.359318	4.392653	4.315882	4.339849	4.256466	4.467457	4.573314	4.570022	4.719298	4.612964	4.679032	4.739314	4.684453	4.568087	4.59264
MDGA1	ENSG00000112139	0.341096	0.425192	0.920268	0.369961	0.434801	-6.12961	0.667115	0.875715	1.028027	1.519216	1.996426	1.956998	0.415731	0.509405	1.01237	1.732907	1.752042	1.333627	1.573426	1.032323	1.488568	1.759719	1.645686	1.461048
CILK1	ENSG00000112144	0.337623	3.91141	2.870332	0.010395	0.018271	-3.87356	2.965042	2.55562	2.794903	3.875646	3.844198	3.765857	3.238915	3.415864	3.373665	4.68916	4.739193	4.649089	4.695993	4.736081	4.848508	4.707527	4.801884	4.726565
FBXO9	ENSG00000112146	0.222749	5.874322	3.43844	0.003034	0.006084	-2.9484	5.633672	5.792378	5.734251	6.049263	6.099149	6.121455	6.059692	6.201009	6.240692	5.737245	5.774826	5.810733	5.864467	5.841114	5.881486	5.772774	5.780968	5.800369
CD83	ENSG00000112149	-0.98936	2.56196	-6.45481	5.19E-06	2.25E-05	4.072309	2.933205	3.114308	3.296854	2.291228	1.953662	1.880533	2.226405	1.901414	2.530983	3.340597	3.365114	3.555853	2.770846	2.549802	2.743612	3.423579	3.440885	3.352387
MDN1	ENSG00000112159	-0.34318	6.060397	-4.12887	0.000666	0.001578	-1.48429	5.912046	6.050734	6.111867	5.778422	5.806499	6.062107	5.801308	5.848324	5.836943	6.574966	6.775738	6.268915	6.045689	5.949112	6.152202	6.190474	6.10586	6.220906
SAYSD1	ENSG00000112167	0.276372	3.056066	2.569371	0.019604	0.032202	-4.17641	3.361722	3.222448	3.217639	3.162124	3.053471	3.472196	3.219115	3.083395	2.892531	2.881509	3.126946	3.109727	3.501296	3.470735	3.429496	3.152846	3.467897	3.254409
BMP5	ENSG00000112175	-1.18034	0.250497	-2.52494	0.021496	0.034962	-3.52605	3.878801	3.7235	3.726899	2.425456	2.229385	2.402038	2.412257	2.184314	2.501332	0.269074	0.330605	0.34382	0.610222	0.416769	0.533283	0.393424	0.637375	0.106501
BACH2	ENSG00000112182	1.031246	2.121737	8.772185	8.16E-08	6.67E-07	8.228565	1.475543	1.465573	0.964748	1.933905	1.996426	1.669505	1.459147	1.658879	1.777424	3.196464	3.034402	3.195594	4.076593	4.179969	4.067427	2.935534	3.160915	2.960231
RBM24	ENSG00000112183	-0.31125	1.314366	-1.68081	0.110583	0.150607	-5.00009	4.969353	4.804995	4.777019	4.667726	4.384626	4.639633	5.141824	5.063901	5.057123	0.415169	0.398185	0.288049	0.294634	0.26996	0.263213	0.457048	0.504542	0.315289
CAP2	ENSG00000112186	0.225943	4.301655	2.123646	0.048253	0.072033	-5.27643	4.721647	4.864623	4.866295	5.025739	5.003429	4.979151	4.445869	4.341199	4.380548	3.751589	3.901847	3.863099	4.063713	4.200384	4.046009	4.142342	4.227036	3.992166
ZNF451	ENSG00000112200	-0.39233	5.301236	-6.98686	1.88E-06	9.42E-06	4.612807	5.325688	5.201677	5.231457	4.772209	4.733289	4.879531	5.015513	5.188055	4.945952	5.910491	5.884933	5.63327	5.461566	5.503938	5.424752	5.621323	5.635678	5.745073
BAG2	ENSG00000112208	0.490422	5.380942	4.097143	0.000714	0.001677	-1.35372	5.468578	5.507143	5.455144	6.290462	6.397219	6.250487	6.631265	6.572714	6.582599	4.71408	4.45968	4.569452	4.540442	4.627193	4.606616	4.975361	4.959278	4.985143
RAB23	ENSG00000112210	-0.32422	4.29072	-6.69606	3.26E-06	1.51E-05	4.258563	4.450796	4.463121	4.382257	4.112999	4.158524	4.036412	4.637058	4.583078	4.490278	4.476768	4.399113	4.460144	4.106206	4.154036	4.20424	4.530299	4.442079	4.494122
GPR63	ENSG00000112218	-0.46387	2.53458	-4.30911	0.000449	0.001114	-0.35992	2.917019	2.870177	2.812981	2.255624	2.490996	2.374422	2.480375	2.894433	2.82232	3.134522	3.013005	2.766268	2.479079	2.581279	2.846311	3.113899	3.104657	3.006111
FBXL4	ENSG00000112234	0.153825	4.372334	2.569656	0.019593	0.03219	-4.49211	4.85081	4.774231	4.813395	4.910272	4.960875	4.969954	4.321396	4.307901	4.243986	4.151473	4.378346	4.216766	4.437701	4.425185	4.359898	3.818209	3.929587	4.136669
CCNC	ENSG00000112237	-0.51094	5.777911	-8.07219	2.66E-07	1.78E-06	6.599223	6.265223	6.291664	6.162096	5.660858	5.57216	5.631655	6.184906	6.143184	6.242934	5.852352	5.795338	5.819366	5.416688	5.428064	5.40806	5.507606	5.507029	5.610463
PRDM13	ENSG00000112238	0.703918	1.5512	4.378708	0.000386	0.000974	-0.1519	1.235614	0.582935	1.146821	0.934951	1.006428	1.188496	1.588238	1.367163	1.727075	2.409929	2.561038	2.7037	3.141522	3.357127	3.308792	3.508614	3.171908	3.093712
E2F3	ENSG00000112242	-0.75168	5.756903	-8.67936	9.51E-08	7.58E-07	7.66302	5.901801	5.860909	5.978065	5.408686	5.550798	5.541409	6.020192	6.175851	5.994232	6.167928	6.096801	6.228745	5.2599	5.188499	5.058283	5.911246	5.844183	5.944791
PTP4A1	ENSG00000112245	0.126341	8.731702	0.705417	0.489846	0.5528	-7.65471	9.734885	9.74802	9.764099	10.48048	10.36411	10.46122	10.74148	10.73255	10.75334	7.426298	7.350914	7.462272	6.710103	6.806015	6.787468	7.287087	7.316959	7.351159
ASCC3	ENSG00000112249	-0.23562	6.218008	-2.40006	0.027778	0.043912	-5.13052	6.488384	6.454368	6.553447	6.638531	6.471096	6.60555	6.242435	6.31224	6.159965	6.178198	6.358808	6.202588	5.79343	5.738402	5.701404	6.148935	6.09435	6.147745
BVES	ENSG00000112276	1.097115	-0.44743	4.405654	0.000364	0.000925	0.273131	3.84498	3.786518	3.62825	5.062262	4.871804	4.713128	4.045989	3.868266	4.112876	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MED23	ENSG00000112282	-0.00075	4.925398	-0.01038	0.991839	0.992885	-7.5612	5.121892	5.147837	4.966609	5.072529	4.917027	4.960699	5.109925	5.098392	4.967798	5.04952	5.043519	4.902234	5.05823	5.090728	5.028559	4.62683	4.625193	4.744721
WASF1	ENSG00000112290	0.456667	4.55333	5.508709	3.47E-05	0.000117	1.761627	3.983545	4.190995	4.188143	4.784753	4.522687	4.844735	4.629578	4.651042	4.700591	4.619268	4.68948	4.551799	4.924518	4.901075	5.009321	4.533992	4.736746	4.637057
GPLD1	ENSG00000112293	-0.13065	0.619601	-0.62805	0.538089	0.599172	-6.32415	1.010037	1.226787	1.146821	1.457877	1.2379	1.367251	1.588238	1.491012	0.925731	1.555182	1.827525	1.696985	1.420179	1.120667	1.610309	1.419885	1.368306	1.273688
ALDH5A1	ENSG00000112294	-0.06388	4.987899	-1.18428	0.252157	0.310923	-6.88621	4.901049	5.070363	4.998554	4.778495	4.662026	4.76722	4.716879	4.802174	4.745547	5.293423	5.301333	5.303055	5.358113	5.366162	5.33267	5.087664	5.106916	5.033946
CRYBG1	ENSG00000112297	0.199641	5.852254	1.304886	0.208852	0.262873	-6.90049	4.559062	4.354415	4.222364	5.565938	5.442845	5.528939	4.864381	4.9659	4.726452	6.877177	6.861292	6.836252	6.661776	6.64125	6.655796	7.067717	7.027279	7.075306
ACOT13	ENSG00000112304	-0.30484	4.979622	-3.66725	0.001836	0.003902	-2.23236	5.699026	5.745568	5.681107	5.444703	5.176125	5.207592	5.958837	5.899518	6.064348	4.295234	4.439772	4.52189	4.397206	4.195307	4.27499	4.537676	4.477953	4.546811
SMAP1	ENSG00000112305	0.070809	5.254222	1.183434	0.252484	0.311238	-6.89775	5.565217	5.587707	5.519862	5.499001	5.415531	5.506852	5.527156	5.510612	5.408147	5.093595	4.981528	5.093319	5.286012	5.27044	5.208029	4.868275	5.045483	4.894538
RPS12	ENSG00000112306	-0.16044	8.799813	-4.70495	0.00019	0.000521	-0.41832	9.45226	9.480392	9.400234	9.258452	9.225389	9.17491	9.273495	9.377345	9.353872	8.359115	8.298583	8.271138	8.168923	8.231386	8.251658	8.307409	8.269856	8.306845
C6orf62	ENSG00000112308	-0.06309	7.429953	-0.89251	0.384244	0.448884	-7.47271	7.569817	7.520887	7.5213	7.662499	7.723245	7.704002	7.428121	7.486692	7.302003	7.418738	7.451769	7.43605	7.135856	7.188491	7.196356	7.389495	7.374001	7.38628
GMNN	ENSG00000112312	-1.5546	4.798305	-9.16916	4.29E-08	3.93E-07	8.648203	4.901049	5.099019	4.840087	4.236852	4.186495	4.440963	5.009762	4.855002	5.015776	5.675147	5.58849	5.698897	3.617489	3.799921	3.6725	5.660702	5.570712	5.575386
EYA4	ENSG00000112319	1.185487	0.672834	2.568121	0.019655	0.032282	-3.46932	4.71698	4.860445	4.929803	6.105344	6.101599	6.1624	5.631951	5.78015	5.773239	0.190076	0.330605	0.16959	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
SOBP	ENSG00000112320	2.00858	0.22691	8.235371	2.01E-07	1.40E-06	7.392023	0.667115	0.582935	0.323815	1.634586	2.229385	1.840725	0.782422	0.509405	0.515351	1.073118	0.89579	1.360915	2.193986	2.127698	2.161508	1.177011	1.513652	1.115245
SNX3	ENSG00000112335	0.285828	6.637019	5.669259	2.50E-05	8.74E-05	1.810654	6.611673	6.682141	6.565494	7.139902	6.953141	7.055879	6.947802	6.883627	6.973923	6.328695	6.247552	6.372265	6.487083	6.443485	6.461184	6.527026	6.552177	6.506769
HBS1L	ENSG00000112339	-0.56127	5.698319	-8.78754	7.96E-08	6.55E-07	7.859689	6.639067	6.561206	6.602343	5.878371	5.78836	5.857899	5.900984	6.080481	5.994232	5.56205	5.538823	5.51223	5.217888	5.160118	5.210438	5.20581	5.217154	5.184529
TRIM38	ENSG00000112343	0.433175	4.444166	5.275462	5.65E-05	0.000179	1.25386	3.919992	4.029182	3.638424	4.122913	4.186495	4.000731	4.174919	4.316298	4.279358	4.692747	4.821501	4.783729	5.26928	5.265605	5.241392	4.799373	4.780497	4.946447
PEX7	ENSG00000112357	-0.1043	2.98274	-1.09994	0.286279	0.347344	-6.43031	3.593253	3.537122	3.871922	3.376187	3.531716	3.498018	3.388228	3.40015	3.373665	2.894025	2.85362	3.035461	2.921223	2.985883	2.895043	2.368215	2.711397	2.778299
ZBTB24	ENSG00000112365	-0.60843	3.928749	-5.47591	3.72E-05	0.000124	1.887614	4.473109	4.57954	4.476008	3.70135	3.457132	3.498018	4.6145	4.533523	4.45204	3.938405	3.919204	3.829308	3.53901	3.614588	3.754018	4.031767	4.189664	3.889829
FIG4	ENSG00000112367	0.501804	3.356481	5.535703	3.29E-05	0.000111	2.082056	3.603403	3.695626	3.408073	3.921807	4.231942	4.053927	3.158032	3.646467	3.236418	3.196464	3.241771	3.240362	3.635009	3.606961	3.727354	2.968656	3.366281	3.050576
PERP	ENSG00000112378	-0.19231	8.146636	-1.67419	0.111894	0.152129	-6.54104	9.040531	9.092205	9.072751	8.488418	8.448791	8.466466	9.037407	8.974322	8.977808	7.343734	7.322385	7.421139	7.59675	7.646993	7.600655	7.404701	7.392916	7.418447
ARFGEF3	ENSG00000112379	0.112555	3.8267	0.549384	0.589693	0.647073	-7.31642	3.114469	3.39414	3.359697	4.152252	4.249727	4.308605	2.144798	2.357042	2.087859	4.73162	4.964909	4.586891	4.580176	4.581228	4.617548	4.749424	4.605057	4.656368
HECA	ENSG00000112406	0.13899	2.529814	1.602979	0.126857	0.170102	-5.85987	2.392887	2.513665	2.423483	2.661411	2.605925	2.719893	1.588238	2.220554	1.826075	3.437834	3.532361	3.276636	3.520276	3.503965	3.437743	2.679583	2.854728	3.006111
ADGRG6	ENSG00000112414	0.055975	6.928539	0.430216	0.672297	0.721592	-7.59856	8.460421	8.505992	8.49554	8.797828	8.730294	8.801921	9.182491	9.180405	9.171455	5.380501	5.256515	5.292465	4.910199	4.959137	4.882136	5.117505	5.033479	4.99276
PHACTR2	ENSG00000112419	0.582708	4.28912	7.675885	5.33E-07	3.20E-06	6.026954	3.719942	3.838426	3.88052	4.714371	4.70778	4.761901	3.647218	3.491964	3.357206	4.822817	4.833757	4.765977	5.19838	5.120493	5.224807	4.194605	4.216457	4.163911
EPM2A	ENSG00000112425	-0.47096	2.840563	-3.97094	0.000942	0.002149	-1.10895	3.65311	3.428416	3.62825	3.456785	3.260629	3.349911	3.539581	3.285084	3.124172	2.990428	2.865607	2.957162	2.193986	2.565626	2.330481	2.866919	2.755911	2.570068
SLC39A7	ENSG00000112473	1.042561	7.465488	9.233398	3.87E-08	3.60E-07	8.41744	6.44671	6.475012	6.444597	7.995595	7.946179	7.993856	7.633729	7.604506	7.652422	7.226771	7.201091	7.246516	7.832991	7.854052	7.858521	7.746144	7.719916	7.663003
PHF1	ENSG00000112511	-0.07034	4.726762	-1.14765	0.266579	0.326389	-6.84825	4.833667	4.742796	4.883506	4.701197	4.551652	4.543715	4.83866	4.771967	4.789145	4.77625	4.627471	4.92755	4.82626	4.767207	4.863891	4.868275	4.843731	4.922721
CUTA	ENSG00000112514	0.170052	6.396556	2.981949	0.008184	0.014756	-3.99249	6.519538	6.624173	6.552102	6.684442	6.769624	6.63203	6.54244	6.626038	6.561203	6.246895	6.135682	6.323684	6.48869	6.408816	6.410754	6.024518	5.962863	5.946753
QKI	ENSG00000112531	0.234483	5.634554	2.256982	0.037074	0.056859	-5.21791	6.415366	6.337478	6.395953	6.832251	6.831459	6.939383	6.900414	7.013235	6.983338	4.748949	4.712893	4.569452	4.47385	4.459468	4.535391	4.691084	4.576385	4.703543
PDE10A	ENSG00000112541	0.470073	0.697167	1.958553	0.06632	0.095723	-4.55524	5.887335	5.954048	5.988045	6.458425	6.342329	6.508848	6.386973	6.434915	6.385689	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MDFI	ENSG00000112559	-0.27864	1.346818	-1.65411	0.115951	0.157	-6.01552	1.010037	0.582935	0.898566	0.106501	0.25478	0.2349	0.548589	0.253663	0.106501	4.645413	4.716207	4.883539	4.574134	4.67539	4.531543	5.163525	5.054421	4.988957
TFEB	ENSG00000112561	0.690912	2.374732	4.528224	0.000279	0.000732	0.110516	2.461454	2.674627	2.446827	2.605941	2.811499	2.22781	2.576877	2.147141	2.309357	2.263275	2.469748	2.53427	3.388755	3.292034	3.326666	2.666185	2.680939	2.724423
CCND3	ENSG00000112576	-0.1001	6.177691	-0.65315	0.522157	0.583893	-7.53973	5.86008	5.80765	5.848213	6.36336	6.548576	6.386308	6.220196	6.097632	5.99689	6.450209	6.474868	6.596886	5.896296	5.927843	5.818141	6.498016	6.403878	6.37892
BYSL	ENSG00000112578	-0.67418	6.171891	-13.2582	1.49E-10	4.41E-09	14.28135	6.566989	6.624173	6.542653	5.872506	5.879712	5.705548	6.314182	6.073067	6.150445	6.546508	6.409841	6.533093	5.992313	5.857276	5.872388	6.245564	6.128608	6.156248
FAM120B	ENSG00000112584	0.560854	5.250446	7.206524	1.25E-06	6.62E-06	5.04594	5.167074	5.297514	5.264677	5.525403	5.525471	5.550692	4.944941	5.007978	4.973208	4.930021	5.12057	4.925267	5.696635	5.760913	5.731905	5.255863	5.211838	5.326909
TBP	ENSG00000112592	-0.58001	4.748675	-9.59362	2.20E-08	2.26E-07	9.283524	5.086148	5.077581	5.090354	4.272916	4.293254	4.293939	4.599263	4.526303	4.497806	5.274401	5.155166	5.182053	4.82626	4.739573	4.794943	4.900099	4.946531	4.922721
BICRAL	ENSG00000112624	-0.29323	4.263534	-5.71016	2.30E-05	8.13E-05	2.209147	4.467563	4.268725	4.418131	4.072648	3.99943	4.170914	3.953155	3.89093	3.913431	4.867929	4.866934	4.711369	4.580176	4.513497	4.519937	4.365992	4.216457	4.335451
PPP2R5D	ENSG00000112640	0.211478	5.561679	3.148904	0.005706	0.010702	-3.51274	5.240453	5.285098	5.300357	5.436777	5.507103	5.421721	6.076295	5.967735	6.02321	5.424305	5.305739	5.470561	5.664294	5.648392	5.549863	5.832469	5.718611	5.809023
MRPL2	ENSG00000112651	-0.88602	5.287698	-8.22888	2.03E-07	1.42E-06	6.933736	5.899743	6.007931	5.872121	4.605448	4.681813	4.543715	5.387786	5.132077	5.238799	5.77326	5.487385	5.742345	5.069012	5.076992	5.222422	5.332078	5.431284	5.383047
PTK7	ENSG00000112655	0.427117	3.688832	6.860085	2.38E-06	1.16E-05	4.413154	1.336422	1.374745	1.358564	2.021307	2.333126	2.196611	1.762502	1.710758	2.047395	5.943981	5.962327	5.920264	6.381191	6.26358	6.257287	6.151341	6.185314	6.189767
SRF	ENSG00000112658	-0.23346	6.312954	-6.08876	1.07E-05	4.20E-05	2.680102	5.903856	5.860909	5.774017	5.49519	5.561519	5.572123	5.597858	5.550308	5.646906	7.140111	7.071245	7.101879	6.977203	6.863953	6.905151	7.025057	7.024249	6.934107
CUL9	ENSG00000112659	-0.12168	4.774817	-1.56612	0.135246	0.179828	-6.32363	5.163648	4.961437	5.207739	4.898777	4.764552	4.894191	4.864381	4.77806	4.923769	4.92393	4.959326	4.791271	4.861416	4.80769	4.94134	4.276243	4.49993	4.4056
DNPH1	ENSG00000112667	0.129459	5.350053	1.147236	0.266746	0.326566	-6.94567	5.641082	5.881675	5.863473	5.636843	5.664554	5.494077	5.452809	5.431657	5.696813	4.7455	4.815334	4.976888	5.27674	5.292003	5.271695	5.382106	5.329416	5.11644
DUSP22	ENSG00000112679	1.192534	3.868757	9.440591	2.80E-08	2.73E-07	9.312933	5.078891	4.999934	5.049003	6.305774	6.223609	6.300868	5.894757	5.932665	6.01011	2.100009	1.922393	2.286428	2.738794	2.686334	2.95373	2.192442	2.078458	2.226823
EXOC2	ENSG00000112685	0.163939	5.672507	1.9004	0.074005	0.105532	-5.93707	6.242672	6.213556	6.174385	6.075025	6.002805	6.104746	6.011586	5.973056	5.94827	5.238045	5.108011	5.170532	5.654305	5.57015	5.685908	5.127316	5.101177	5.249549
COX7A2	ENSG00000112695	-0.12011	6.778724	-2.46197	0.024475	0.039296	-5.07367	7.124623	7.048185	7.093216	6.958031	6.931266	6.94056	7.011058	7.123806	7.133442	6.694267	6.678858	6.575205	6.487083	6.563594	6.60452	6.389076	6.418951	6.489376
TMEM30A	ENSG00000112697	0.604842	7.869912	6.307614	6.92E-06	2.89E-05	3.016497	7.175685	7.273097	7.223954	8.217696	8.128455	8.166316	7.958017	8.030363	7.896908	7.821848	7.903019	7.832488	8.131096	8.178662	8.148032	7.872928	7.873008	7.94453
GMDS	ENSG00000112699	-0.33156	4.689683	-3.6353	0.00197	0.004152	-2.30978	4.569455	4.813666	4.631806	4.753186	4.580048	4.645422	4.857993	5.002785	5.150819	4.960093	4.928229	4.95467	4.400624	4.331113	4.484549	4.874113	4.79123	4.7174
SENP6	ENSG00000112701	0.093549	6.34421	2.702348	0.014843	0.025108	-4.56386	6.244294	6.291664	6.382396	6.396431	6.369019	6.391483	6.325801	6.407668	6.336161	6.252981	6.324478	6.402946	6.435525	6.441343	6.415981	6.386015	6.344388	6.376011
VEGFA	ENSG00000112715	-0.92145	7.028781	-6.74814	2.95E-06	1.39E-05	3.981544	7.229924	7.135498	7.209525	6.617648	6.610109	6.637848	7.309079	7.147529	7.191458	7.216842	7.404792	7.227184	6.141761	6.102069	6.080272	7.831518	7.837203	7.808736
PRPF4B	ENSG00000112739	0.191964	6.639832	3.132103	0.005917	0.011056	-3.70946	6.320107	6.35837	6.303073	6.706036	6.740045	6.813931	6.568102	6.603916	6.579055	6.741781	6.776532	6.673703	6.768817	6.660719	6.754009	6.762439	6.7713	6.884817
TTK	ENSG00000112742	-1.27493	3.031069	-4.39176	0.000375	0.000951	-0.20631	2.996191	2.802095	2.661582	3.06262	3.151334	2.885561	3.719464	3.809996	3.733845	3.77884	4.045764	3.663876	1.838325	1.993753	1.947161	4.088113	4.011424	3.992166
SLC29A1	ENSG00000112759	-0.87044	4.693342	-6.34659	6.41E-06	2.70E-05	3.477105	4.772011	4.653851	4.720675	4.218476	4.551652	4.28655	4.384974	4.68386	4.364168	5.307527	5.256515	5.263838	4.238165	4.293598	4.098971	5.580838	5.462956	5.414576
BTN2A1	ENSG00000112763	0.059503	5.114605	0.618565	0.544181	0.604584	-7.36344	5.114814	5.08834	5.060398	5.359221	5.375591	5.359696	5.719113	5.669801	5.735532	4.980776	5.06707	4.987869	4.851459	4.850301	4.891173	4.947942	4.822959	4.96205
TENT5A	ENSG00000112773	0.244975	6.32672	2.175737	0.043562	0.065663	-5.4603	7.344794	7.467629	7.404695	7.991543	7.820167	7.940122	7.897796	7.775638	7.754139	5.141621	5.258789	5.083114	4.922141	4.959137	4.97856	4.847651	4.917433	4.874064
CLIC5	ENSG00000112782	1.177688	0.346019	15.27961	1.50E-11	8.43E-10	16.7709	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.692747	4.602618	4.735026	5.92269	5.788145	5.832286	4.515433	4.49118	4.399883
FBRSL1	ENSG00000112787	0.103693	6.45888	1.11085	0.281682	0.342583	-7.17549	6.32778	6.402146	6.654657	6.299232	6.537759	6.150238	6.205178	6.00976	6.321389	6.315961	6.460119	6.676421	6.791779	6.815972	6.725662	6.719303	6.646815	6.506769
ENPP5	ENSG00000112796	0.840107	0.320262	9.798765	1.61E-08	1.76E-07	9.684189	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.992463	4.860959	4.830842	5.772474	5.635331	5.751886	4.132632	4.343431	4.216898
PRSS16	ENSG00000112812	1.337229	3.13844	12.70207	2.94E-10	7.18E-09	13.83261	3.056542	2.90305	2.99819	4.350907	4.009905	4.053927	3.158032	2.960209	3.143496	2.494552	2.561038	2.649405	3.814873	3.852467	3.773698	3.245848	3.277464	3.279535
TBX18	ENSG00000112837	0.671045	1.935828	3.292321	0.004176	0.00809	-2.26088	3.385444	3.483793	3.359697	4.161901	4.213935	4.379778	3.586698	3.564249	3.681923	1.315703	1.335727	0.921995	1.088368	0.986036	1.08859	1.214313	1.289746	1.170016
ERBIN	ENSG00000112851	0.099824	6.653999	0.712843	0.485352	0.548645	-7.55233	7.052366	7.051854	7.040485	6.585745	6.493661	6.649416	6.741204	6.856535	6.643251	6.388521	6.405742	6.301849	6.965132	6.952372	6.984701	6.274548	6.230705	6.424686
PCDHB2	ENSG00000112852	0.644637	2.344426	7.374866	9.16E-07	5.08E-06	5.487953	0.667115	0.736739	0.679585	0.841981	1.087782	0.3528	0.782422	0.509405	1.0941	5.104407	5.059262	5.166672	5.75121	5.776294	5.786202	5.428474	5.380064	5.265357
HARS2	ENSG00000112855	-0.1153	6.090102	-1.92836	0.070216	0.100714	-5.98542	6.086809	6.165255	6.115514	5.704425	5.782263	5.832753	5.875913	5.75257	5.836943	6.248114	6.377765	6.348605	6.367281	6.374416	6.399186	6.328703	6.205516	6.216033
NUDT12	ENSG00000112874	0.351144	4.640866	4.563834	0.000258	0.000683	-0.31749	4.467563	4.543506	4.526184	4.569652	4.376555	4.524999	4.358069	4.349405	4.41276	4.769473	4.78725	4.72456	5.2599	5.292003	5.354615	4.743057	4.780497	4.771534
CEP72	ENSG00000112877	-0.07082	4.25328	-0.31759	0.754557	0.795497	-7.28919	3.96004	3.777682	3.897563	4.43289	4.310303	4.685302	5.253102	5.263813	5.283036	4.533868	4.322908	4.385707	3.778549	3.772912	3.707028	4.285035	4.247965	4.115895
MAN2A1	ENSG00000112893	0.280646	6.982867	5.228135	6.24E-05	0.000196	0.849186	7.386536	7.416605	7.3761	7.609718	7.506443	7.571948	7.533082	7.635034	7.468322	6.34246	6.419021	6.283249	6.75753	6.724662	6.72482	6.406303	6.37325	6.383273
SEMA5A	ENSG00000112902	-0.23252	3.162064	-1.63543	0.11984	0.161912	-5.66203	4.179456	4.293732	4.382257	4.112999	4.061165	4.447604	4.536652	4.230044	4.41276	2.444376	2.779525	2.314614	2.162115	1.871771	2.161508	2.652661	2.841019	2.629903
TENT4A	ENSG00000112941	-0.81873	5.743658	-17.2498	2.04E-12	1.90E-10	18.71218	6.281119	6.113526	6.184836	5.312338	5.355198	5.234723	5.866398	5.839612	5.85464	6.110095	6.082749	6.015638	5.244764	5.44741	5.33267	5.88835	5.844183	5.888745
HMGCS1	ENSG00000112972	-0.59962	6.418147	-7.92069	3.46E-07	2.22E-06	6.222098	6.449526	6.495365	6.407897	6.112826	6.210046	6.133861	5.961819	5.962395	5.991568	7.117607	7.051048	7.083056	6.279957	6.275656	6.298627	6.644414	6.62698	6.745249
DAP	ENSG00000112977	0.301877	6.940152	4.664404	0.000208	0.000563	-0.37754	7.058835	7.015675	6.977762	7.391289	7.436342	7.396861	7.113817	7.185839	7.247231	6.515455	6.427133	6.492031	6.681583	6.659798	6.743236	6.957917	6.935114	6.910175
NME5	ENSG00000112981	0.596478	1.071023	3.183093	0.005297	0.010012	-2.61956	1.430644	1.118985	1.30847	0.934951	1.087782	0.984419	1.317361	1.082132	0.925731	2.121457	1.967585	2.228347	2.862939	3.009215	2.795875	1.833493	1.956613	1.910335
BRD8	ENSG00000112983	0.368867	5.572996	7.270735	1.11E-06	6.00E-06	5.120867	5.160214	5.263109	5.217952	5.643745	5.674464	5.722075	5.56294	5.423907	5.500968	5.651384	5.696457	5.63047	5.909553	5.987797	5.930525	5.70232	5.635678	5.565205
KIF20A	ENSG00000112984	-0.8061	3.955418	-2.36708	0.029704	0.046615	-4.65806	4.014302	3.944869	4.065319	4.647264	4.293254	4.690911	4.950956	4.87219	4.73921	4.364327	4.479316	4.32118	2.371704	2.451029	2.365487	4.293774	4.216457	4.18401
NNT	ENSG00000112992	0.484854	5.392521	4.777909	0.000163	0.000455	0.041784	5.078891	5.033724	5.123327	5.904469	6.002805	6.0137	5.324334	5.435516	5.313214	5.462622	5.421918	5.44688	5.634118	5.510085	5.58556	5.191852	5.132464	5.09537
MRPS30	ENSG00000112996	-0.39523	6.034772	-6.62033	3.77E-06	1.71E-05	3.821798	6.572167	6.572745	6.58272	6.017729	6.064398	6.081451	6.264336	6.116987	6.094449	5.895008	5.942657	6.076575	5.743154	5.711984	5.661468	5.969675	5.883166	5.789478
HSPA9	ENSG00000113013	-0.3439	9.69681	-9.53413	2.42E-08	2.43E-07	8.784549	10.18665	10.18161	10.1322	9.932687	9.914	9.94435	10.16766	10.14765	10.16568	9.53789	9.445473	9.466487	9.008259	9.026956	9.063713	9.412679	9.404146	9.438362
MRPS27	ENSG00000113048	-0.24233	6.996123	-6.25784	7.63E-06	3.14E-05	3.005979	7.556164	7.617517	7.585153	7.403541	7.440219	7.408821	7.546053	7.592457	7.590404	6.708509	6.548288	6.634409	6.247104	6.341475	6.360667	6.48758	6.566826	6.520007
PFDN1	ENSG00000113068	0.055328	6.299003	1.009128	0.32668	0.390083	-7.2579	6.352062	6.226601	6.239328	6.087736	6.184845	6.202215	6.232593	6.310139	6.348704	6.349293	6.303701	6.320212	6.486279	6.437048	6.600853	6.314817	6.355279	6.370175
HBEGF	ENSG00000113070	0.014872	3.967578	0.04627	0.96362	0.969816	-7.37079	5.023273	4.747329	4.866295	3.290819	3.410458	3.292047	3.904396	3.967564	3.979442	3.576295	3.848485	3.937488	4.803198	4.863163	4.848508	3.711377	3.546022	3.601852
LOX	ENSG00000113083	1.175351	-0.04167	5.001214	0.000101	0.000298	1.226988	0.216396	0.215206	0.323815	0.258133	0.512209	0.563119	0.106501	0.387194	0.106501	2.263275	2.267764	1.653508	3.100071	3.009215	2.942182	3.011667	3.277464	3.079476
APBB3	ENSG00000113108	-0.62858	3.39528	-5.22092	6.33E-05	0.000198	1.498145	4.992709	4.817982	5.1197	4.199863	4.1957	4.146631	4.13321	3.956862	4.243986	3.102524	3.086546	2.756026	2.862939	2.686334	2.647333	2.464239	2.465551	2.226823
TMCO6	ENSG00000113119	0.486207	3.4249	5.790799	1.95E-05	7.03E-05	2.508247	2.668993	2.730641	2.661582	3.456785	3.093416	3.119801	3.19904	2.825515	2.748518	4.037631	4.066685	3.886761	4.390344	4.358622	4.480563	3.940112	4.338561	4.305185
IK	ENSG00000113141	0.071421	7.181717	1.407585	0.17679	0.227115	-6.88799	7.08533	6.970834	6.924712	6.94132	6.934019	6.947605	6.859433	6.855094	6.918913	7.461938	7.432254	7.515606	7.583652	7.663171	7.669241	7.249399	7.22165	7.224271
HMGCR	ENSG00000113161	-0.41908	6.372833	-7.90623	3.55E-07	2.27E-06	6.207357	6.176225	6.282324	6.200371	5.982771	5.916364	5.995687	6.269158	6.349536	6.31288	6.93737	6.827217	6.835644	6.269712	6.397808	6.334405	6.661395	6.635939	6.654531
CERT1	ENSG00000113163	-0.22244	5.578859	-3.57095	0.002269	0.004697	-2.65491	5.163648	5.211553	5.082923	5.147291	5.114368	5.238557	5.257962	5.263813	5.207006	6.304287	6.273652	6.211984	5.878019	5.930901	5.903984	5.895544	5.967602	5.946753
FAF2	ENSG00000113194	-0.23958	7.358964	-4.86182	0.000136	0.000387	0.008769	7.307253	7.333129	7.249899	7.200843	7.123181	7.076378	7.565785	7.545909	7.574474	7.55157	7.535753	7.502647	7.211765	7.19804	7.26459	7.477462	7.449348	7.457501
PCDHB6	ENSG00000113211	0.87165	0.457009	5.975719	1.34E-05	5.13E-05	3.122535	0.216396	0.316291	0.323815	0.841981	0.625525	0.461789	0.269385	0.106501	0.256032	2.856146	2.946841	2.786535	3.60569	3.622174	3.548512	3.143207	3.356678	3.149291
PDE8B	ENSG00000113231	0.351292	-0.91755	1.538608	0.141807	0.18731	-5.12111	3.385444	3.35903	3.296854	3.875646	3.855857	3.432575	3.050103	2.894433	2.959482	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CLK4	ENSG00000113240	1.070902	3.859385	7.604431	6.05E-07	3.56E-06	6.074303	3.562366	3.547555	3.726899	4.448742	4.478119	4.358792	4.31208	4.373746	4.388669	3.45483	3.576789	3.141546	4.505944	4.450973	4.554478	3.374993	3.529023	3.581792
PCDHB15	ENSG00000113248	0.607849	1.403642	4.14626	0.000641	0.001525	-0.89301	0.216396	0.215206	0.323815	1.022291	0.92021	1.123626	0.415731	0.622068	0.833554	3.938405	3.953305	4.03812	4.454245	4.390067	4.338034	4.062774	3.986735	3.992166
GRM6	ENSG00000113262	1.462411	-1.41954	8.02509	2.88E-07	1.91E-06	7.067446	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.646779	1.335727	1.305813	2.649667	2.686334	2.633039	1.880661	1.766644	1.461048
RNF130	ENSG00000113269	0.653082	5.719021	12.63008	3.22E-10	7.72E-09	13.53663	5.633672	5.692494	5.7295	6.180841	6.296007	6.289823	6.076295	5.986272	6.043926	5.183009	5.191334	5.245653	5.903542	5.91709	5.903984	5.396376	5.31709	5.478356
THG1L	ENSG00000113272	0.351806	4.865448	4.62809	0.000224	0.000604	-0.16381	5.004246	5.070363	4.908943	5.015132	5.119213	5.159862	5.183289	5.083711	5.087374	4.327889	4.423646	4.48516	4.978126	4.950123	4.917949	5.049474	4.860815	4.874064

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EIF1B	ENSG00000114784	-0.14461	5.11622	-1.97581	0.064181	0.093051	-5.72286	5.346988	5.372784	5.309937	5.082724	5.003429	5.050687	5.519082	5.364416	5.359397	5.190639	4.916753	5.119519	5.029814	5.173088	4.96721	5.007591	4.92395	5.123395
ARHGEF26	ENSG00000114790	-0.02121	3.558468	-0.31078	0.759643	0.800206	-7.33062	2.815895	2.886707	2.99819	3.041869	2.926537	3.069023	2.858632	3.002451	2.959482	4.581075	4.669105	4.60982	4.580176	4.604394	4.468538	4.088113	4.156841	4.229846
KLHL24	ENSG00000114796	2.34075	2.626432	10.36234	6.94E-09	8.78E-08	10.70586	1.826927	1.947501	1.667608	3.70135	3.112982	3.548316	2.545421	2.255906	2.560038	2.527059	2.646894	2.796562	4.914988	5.020703	4.891173	2.075685	2.101639	2.119598
PLCH1	ENSG00000114805	-0.34912	0.913038	-1.74753	0.09809	0.135522	-5.1861	1.561356	1.708084	1.358564	1.182548	1.612488	1.757653	0.670238	1.001115	1.314712	1.940223	2.074736	1.896649	1.573426	1.495836	1.775589	1.784732	1.956613	1.626848
VIPR1	ENSG00000114812	1.555144	0.068932	7.325001	1.00E-06	5.50E-06	5.740952	0.587539	0.499412	0.421314	0.258133	0.25478	0.461789	0.106501	0.106501	0.106501	2.163418	2.285719	2.396013	3.830164	3.759216	3.933868	2.611312	2.799093	2.507643
DNAH1	ENSG00000114841	-0.09335	2.74095	-0.64322	0.528434	0.590035	-6.70974	3.603403	3.638208	3.717332	3.647423	3.457132	3.765857	3.788265	3.724251	3.721038	2.693825	2.646894	2.396013	2.412911	2.269709	2.449456	1.903678	2.006592	1.81044
SSR3	ENSG00000114850	-0.03764	7.269049	-0.99064	0.335379	0.399231	-7.3611	7.287716	7.410188	7.205254	7.303572	7.242342	7.278932	7.49962	7.626619	7.507069	7.177067	7.140098	7.113959	7.0633	7.073529	7.149424	7.275001	7.336632	7.327261
ZBTB47	ENSG00000114853	0.492417	2.492449	3.15449	0.005637	0.01059	-2.79451	2.461454	2.125186	2.492412	3.123142	3.441741	3.200652	2.981245	3.250449	2.798137	2.527059	2.469748	2.510098	2.491955	2.581279	2.559363	2.924322	2.680939	2.760563
NKTR	ENSG00000114857	0.360536	5.233237	3.621718	0.002029	0.004261	-2.47299	4.780982	4.893538	4.925655	5.605366	5.431202	5.741121	4.968851	5.078784	5.117003	5.42646	5.487385	5.164737	5.466467	5.468605	5.376231	5.210433	5.309644	5.461988
CLCN2	ENSG00000114859	-0.15843	3.508561	-1.94731	0.067748	0.097616	-5.50103	3.210562	3.260998	3.231147	3.21869	3.410458	3.26222	2.884002	3.141256	3.00245	4.13575	4.176619	4.15575	3.830164	3.890658	4.088533	4.222335	4.200441	4.216898
FOXP1	ENSG00000114861	0.465814	4.069294	2.925037	0.009247	0.016457	-3.83556	2.589523	2.935191	2.776595	4.227693	4.293254	4.308605	2.981245	2.848856	2.77354	5.066207	5.072251	5.000938	5.152484	5.18338	5.166452	4.988878	4.956102	4.942519
EIF4G1	ENSG00000114867	-0.23224	9.561086	-9.32351	3.36E-08	3.19E-07	8.433873	9.606251	9.581903	9.61992	9.367493	9.352224	9.400453	9.507778	9.441603	9.455219	9.791092	9.778618	9.736206	9.561909	9.476596	9.560706	9.637967	9.620705	9.638551
SPCS1	ENSG00000114902	0.087533	6.912886	2.303052	0.033805	0.052386	-5.39725	6.788894	6.874671	6.809001	6.955259	6.880799	6.94526	6.865814	7.017103	7.039862	6.865308	6.896042	6.97517	6.976057	6.987305	6.99172	6.946186	6.906605	6.933118
NEK4	ENSG00000114904	-0.30867	5.157306	-4.33837	0.000421	0.001052	-0.89809	5.190829	5.059469	5.05661	4.562385	4.392653	4.434292	4.792514	4.971227	4.878354	5.651384	5.657342	5.620625	5.551958	5.524325	5.491637	5.642002	5.585175	5.544626
SLC4A3	ENSG00000114923	0.482414	2.693952	2.473101	0.023921	0.038483	-4.28274	3.27548	3.027527	3.489013	2.864145	3.151334	2.904994	2.607661	2.702788	2.798137	2.777267	2.355385	2.510098	3.228726	3.528394	3.68641	2.494877	2.535313	2.549558
INO80D	ENSG00000114933	-0.59397	4.535994	-5.60253	2.86E-05	9.85E-05	1.993731	5.045778	4.881217	4.831244	4.103016	4.071202	4.379778	4.819063	5.07384	4.782996	4.926979	4.976009	4.500578	4.36607	4.307781	4.284167	4.481413	4.40994	4.567359
EEF1B2	ENSG00000114942	0.031159	8.944915	0.626229	0.539258	0.600286	-7.7762	9.088292	9.054524	9.044338	9.303008	9.251553	9.265081	9.291382	9.268505	9.301608	8.774663	8.676828	8.743868	8.578278	8.582185	8.605598	8.712081	8.744808	8.777428
ADAM23	ENSG00000114948	1.466112	1.640489	3.445809	0.002985	0.005997	-1.73302	5.87482	5.863	5.792357	7.430734	7.286089	7.33194	6.768706	6.834781	6.806721	0.415169	0.259702	0.16959	0.234608	0.190544	0.186984	0.106501	0.106501	0.315289
DGUOK	ENSG00000114956	-0.49706	6.301658	-4.3169	0.000441	0.001098	-1.08288	6.715925	6.806806	6.807875	5.720837	5.732536	5.926062	6.458379	6.48419	6.3632	6.374075	6.290423	6.462418	6.244253	6.364273	6.238527	6.260129	6.241181	6.284342
MOB1A	ENSG00000114978	0.117169	7.395376	2.00943	0.060191	0.087856	-5.96416	7.130777	7.203877	7.092291	7.262681	7.155382	7.202467	7.527055	7.679649	7.617433	7.356226	7.398101	7.387947	7.494086	7.571613	7.551626	7.518114	7.562271	7.565505
KANSL3	ENSG00000114982	-0.18928	6.396839	-2.62247	0.01755	0.029144	-4.7048	6.825124	6.73102	6.834669	6.448604	6.453938	6.508848	7.023954	7.004168	6.939788	6.084386	6.145548	6.138002	6.126359	6.076066	5.98641	6.020575	6.07105	6.052569
LMAN2L	ENSG00000114988	0.274434	5.044475	2.80515	0.011942	0.020665	-4.16371	4.410898	4.287521	4.314076	5.137544	5.029402	5.024275	5.147073	5.068879	5.041756	5.321493	5.288033	5.225382	5.392856	5.154897	5.246096	5.55199	5.558198	5.431488
RTKN	ENSG00000114993	1.291198	4.734329	7.850399	3.91E-07	2.46E-06	6.324102	2.780548	2.836538	2.446827	4.944216	5.013874	4.98829	4.330652	4.256466	4.252911	4.886838	5.048786	5.030978	5.838236	5.907809	5.864762	6.044073	6.151003	6.024978
TTL	ENSG00000114999	0.443766	5.737226	3.379224	0.003454	0.006816	-3.00497	6.037128	6.059873	5.935379	6.812478	6.897819	6.925177	6.4068	6.497174	6.491277	5.077225	5.051412	4.983487	5.003078	4.901075	4.938437	5.231053	5.284541	5.302602
IL1A	ENSG00000115008	-4.24981	2.195923	-8.32648	1.72E-07	1.23E-06	7.535412	7.023364	7.111965	7.056697	2.688367	2.490996	2.784269	6.67734	6.626038	6.663472	0.834246	0.524532	0.726056	0.46104	0.671977	0.470356	0.686723	0.816175	0.659518
CCL20	ENSG00000115009	-0.73293	1.644337	-3.52909	0.002487	0.0051	-1.68497	4.302931	4.268725	4.095173	3.605613	3.560502	3.655458	3.976929	3.685883	4.073118	1.116489	0.89579	0.958181	0.46104	0.550009	0.760679	0.974502	1.206659	0.580851
PIKFYVE	ENSG00000115020	0.210462	5.835833	3.639088	0.001953	0.00412	-2.51835	5.784032	5.759098	5.805961	6.125209	6.00018	6.202215	5.904087	6.004573	5.770134	5.847534	5.901039	5.720126	5.902337	5.884342	5.983596	5.63686	5.674845	5.607985
KCNIP3	ENSG00000115041	0.862359	3.347348	3.627407	0.002004	0.004214	-1.84403	4.192962	4.197635	4.235828	5.227586	5.133653	5.302231	5.59402	5.169636	5.37174	2.338465	2.42184	2.152295	2.626498	2.127698	2.416453	1.970607	1.851139	1.844513
FAHD2A	ENSG00000115042	-0.10898	4.589326	-1.12909	0.274121	0.33453	-6.81077	4.842264	4.980813	4.85325	4.720913	4.293254	4.586466	5.120637	4.976535	5.067277	4.434552	4.399113	4.500578	4.561973	4.537767	4.516048	4.55958	4.367537	4.399883
NCL	ENSG00000115053	-0.48159	10.38773	-10.4179	6.40E-09	8.22E-08	10.12045	10.53855	10.53247	10.51888	10.19261	10.2111	10.22617	10.43383	10.46382	10.44392	10.66675	10.60247	10.61273	9.979078	10.02216	9.997572	10.47948	10.51347	10.56431
ACTR1B	ENSG00000115073	0.448063	5.688109	7.148801	1.39E-06	7.26E-06	4.858628	5.075249	4.933864	5.094055	5.44865	5.488499	5.500479	5.498697	5.360361	5.313214	6.06929	6.006304	5.956492	6.434692	6.475248	6.412847	5.926779	5.992618	5.940859
SLC35F5	ENSG00000115084	0.203821	6.354029	2.276327	0.035667	0.054897	-5.38405	5.999192	6.026697	5.935379	6.446632	6.448173	6.428881	6.702513	6.620963	6.605426	6.422397	6.413928	6.383119	6.401807	6.425171	6.359583	6.334008	6.33219	6.416214
ACTR3	ENSG00000115091	-0.08249	7.970899	-1.64703	0.117411	0.158872	-6.59488	7.699083	7.797122	7.718208	7.828452	7.819422	7.812811	8.069332	8.095843	8.053873	8.133605	8.130241	8.171352	7.908169	7.913612	7.93698	8.164939	8.136973	8.193684
STEAP3	ENSG00000115107	0.462018	5.837292	1.984631	0.063112	0.091678	-5.88227	5.934331	5.920324	5.986055	4.955356	5.226392	5.223158	5.104539	5.146277	5.126746	5.865123	5.9054	5.895985	7.161773	7.059627	7.119616	5.989982	6.018732	5.942826
EPB41L5	ENSG00000115109	0.088898	5.060362	1.053437	0.306487	0.368909	-7.02085	5.237197	5.300601	5.350729	5.543969	5.627623	5.54451	4.851577	5.007978	4.795267	5.149472	4.978771	4.961372	4.96202	4.965115	4.961501	4.787047	5.006099	4.86164
SF3B6	ENSG00000115128	-0.57877	6.915769	-6.82748	2.54E-06	1.22E-05	4.115015	7.196789	7.191457	7.095064	6.23212	6.166236	6.293514	6.424199	6.457866	6.37551	7.484356	7.454747	7.372109	7.074044	7.168553	7.151932	7.164993	7.21834	7.194032
TP53I3	ENSG00000115129	0.605041	4.658999	3.00517	0.007785	0.014112	-3.649	5.539016	5.352102	5.411316	5.299283	5.454395	5.234723	4.576101	4.630987	4.527529	3.737768	3.654848	3.7997	4.998573	5.020703	5.055606	4.276243	4.211138	4.229846
DNAJC27	ENSG00000115137	1.08617	2.553571	8.39743	1.52E-07	1.11E-06	7.674426	2.165157	2.576149	2.794903	3.408969	3.588725	3.292047	3.277716	3.26787	3.254305	2.163418	2.011405	1.759838	2.949505	2.596763	2.965187	2.901634	2.827179	2.706008
STAM2	ENSG00000115145	0.21608	5.325091	3.271408	0.004371	0.00843	-3.22433	5.590951	5.528369	5.597531	5.554996	5.613956	5.686023	5.535185	5.495903	5.463015	4.957113	5.212608	5.060406	5.42006	5.31559	5.544145	5.031299	4.917433	5.000336
GPD2	ENSG00000115159	-0.21713	6.480361	-1.25786	0.224988	0.280733	-7.01187	5.485141	5.381559	5.408347	6.110336	6.106488	6.125602	6.174663	6.212301	6.1928	7.457729	7.455739	7.418301	6.687192	6.68989	6.627234	7.153636	7.167068	7.125535
CENPA	ENSG00000115163	-1.05922	2.569515	-3.17663	0.005372	0.010143	-2.67639	2.850396	2.935191	2.661582	3.308302	2.970101	2.885561	3.602068	3.592179	3.733845	3.123934	2.946841	3.218152	1.308151	1.462417	1.17005	3.358427	3.138674	3.093712
ACVR1	ENSG00000115170	0.396175	5.853611	2.647955	0.016639	0.027774	-4.5652	5.881091	5.879612	5.750758	6.583952	6.426835	6.598108	6.911252	6.652807	6.685063	5.462622	5.461948	5.454817	5.493931	5.470708	5.530714	5.323569	5.140881	5.154286
TANC1	ENSG00000115183	0.096007	6.044279	2.543252	0.020696	0.033762	-4.86586	6.102997	5.956007	6.086081	6.07247	6.142633	6.180453	5.590171	5.528791	5.537947	6.311303	6.396477	6.287699	6.479022	6.414288	6.403403	5.842927	5.93732	5.938889
MPV17	ENSG00000115204	0.386171	5.952223	5.198882	6.64E-05	0.000206	0.887527	5.845187	5.765816	5.850403	6.361268	6.317247	6.274964	6.353309	6.18505	6.293548	5.783387	5.773236	5.721443	6.052224	6.029757	6.001789	5.62652	5.678704	5.663916
GTF3C2	ENSG00000115207	-0.01997	6.992339	-0.47829	0.63837	0.690799	-7.73335	6.802174	6.76941	6.727949	6.781518	6.798609	6.860709	6.923538	6.988491	6.923112	7.268224	7.171219	7.215552	7.131748	7.133151	7.15756	7.150031	7.140733	7.129858
EIF2B4	ENSG00000115211	0.106407	5.649857	2.382051	0.028815	0.045384	-5.10973	5.665509	5.734195	5.719951	5.881294	5.751385	5.801988	5.396627	5.364416	5.375831	5.742445	5.669359	5.797063	5.887795	5.77289	5.869343	5.541021	5.643597	5.615405
NRBP1	ENSG00000115216	0.310039	7.905457	7.028063	1.74E-06	8.80E-06	4.44484	7.910563	7.915632	7.878622	8.09022	8.072718	8.02749	8.010794	7.974425	8.046193	7.598688	7.532467	7.614221	8.013227	8.012538	8.05292	7.91637	7.846666	7.897124
ITGB6	ENSG00000115221	1.37885	2.27628	11.33343	1.76E-09	2.90E-08	11.86661	0.667115	0.410755	0.598525	0.841981	0.625525	0.909432	0.548589	0.106501	0.515351	4.832603	5.162472	5.037335	6.389816	6.404423	6.366079	6.360246	6.225439	6.194729
PSMD14	ENSG00000115233	0.041634	7.350428	0.932265	0.3639	0.428739	-7.41483	7.420661	7.448271	7.396475	7.550348	7.478433	7.57877	7.822704	8.009154	7.904715	6.962099	7.045131	7.03304	6.993707	6.979943	6.976941	7.284349	7.226271	7.365164
SNX17	ENSG00000115234	-0.1256	6.903566	-3.40951	0.003232	0.006428	-3.13487	7.280617	7.334636	7.23824	7.160503	7.253404	7.169705	6.943283	7.037562	6.924509	6.846917	6.806379	6.80244	6.658924	6.618673	6.709575	6.572622	6.618969	6.514726
ASB3	ENSG00000115239	-0.15445	0.357946	-1.01273	0.325003	0.388405	-6.08488	0.814199	0.8079	0.756332	1.104644	0.92021	0.746642	0.782422	0.622068	0.735084	2.100009	1.851833	2.038602	1.818016	1.921808	1.550722	1.286141	1.581179	1.546329
PPM1G	ENSG00000115241	0.015513	7.859145	0.230852	0.820111	0.850939	-7.90365	7.288502	7.342896	7.321895	7.601764	7.610764	7.615358	7.381008	7.382586	7.365098	8.399179	8.293323	8.404563	8.154063	8.154996	8.190746	8.362185	8.355215	8.361181
PDE1A	ENSG00000115252	0.917405	-1.41312	2.239103	0.03842	0.058689	-3.92439	1.235614	1.118985	1.256574	1.840866	1.996426	1.956998	1.317361	1.430416	1.50602	0.190076	0.185134	0.16959	0.407676	0.26996	0.106501	0.106501	0.106501	0.214669
REEP6	ENSG00000115255	-0.15983	2.550889	-0.99027	0.335556	0.399409	-6.61375	2.609804	2.55562	2.758051	1.578054	2.03796	1.757653	1.70672	2.147141	2.643847	3.358771	3.5985	3.636224	3.703037	3.591587	3.65138	3.26375	3.267249	2.880366
PCSK4	ENSG00000115257	0.440257	0.141511	1.471791	0.158855	0.207005	-5.3358	1.826927	1.508929	1.744977	1.74141	1.666451	1.310092	1.459147	1.15884	1.0941	0.483018	0.799097	0.807652	1.218025	1.560439	1.002253	0.517985	0.816175	0.409347
IFIH1	ENSG00000115267	-0.88967	4.740437	-10.9947	2.81E-09	4.23E-08	11.34442	3.783815	3.732673	3.707702	3.533117	3.362223	3.103073	3.705302	3.646467	3.271973	6.438508	6.371473	6.411127	5.425104	5.430226	5.501506	6.329765	6.469946	6.529201
RPS15	ENSG00000115268	0.016203	8.335473	0.336633	0.740401	0.782891	-7.8836	8.565399	8.597015	8.703958	8.582125	8.744476	8.460733	8.664083	8.49258	8.655304	8.029675	8.01657	8.099256	8.057211	8.11959	8.148347	8.102583	8.119335	7.965002
GCA	ENSG00000115271	-0.51986	3.916795	-5.77232	2.02E-05	7.26E-05	2.347887	3.87042	3.855322	3.83701	2.714828	2.787348	3.200652	2.908934	3.063581	3.064594	5.088159	5.077414	4.932106	4.687622	4.697103	4.656936	4.768358	4.648991	4.689552
MOGS	ENSG00000115275	0.598854	6.548192	8.510046	1.26E-07	9.52E-07	7.256976	5.759279	5.865087	5.799175	6.601785	6.744756	6.745516	6.230122	6.301706	6.278331	6.633985	6.605699	6.669617	7.044849	6.993898	7.000794	6.999242	6.95275	6.939043
TTC31	ENSG00000115282	-0.05922	5.007923	-0.82264	0.421793	0.486839	-7.25201	4.837972	4.852052	4.89628	4.510463	4.558804	4.473866	4.812472	4.741115	4.889843	5.367097	5.409689	5.353173	5.441792	5.508039	5.479705	5.175396	5.31709	5.362617
NDUFS7	ENSG00000115286	-0.16862	5.043957	-2.01441	0.05962	0.087121	-5.60297	5.506933	5.625131	5.56856	5.363409	5.543607	5.230878	5.830962	5.543171	5.745052	4.529864	4.51019	4.918395	4.531115	4.557684	4.504317	4.84468	4.784083	4.504815
PCGF1	ENSG00000115289	-0.57475	5.031157	-9.69279	1.89E-08	2.00E-07	9.41948	5.515021	5.525733	5.506038	4.915985	4.900234	4.819357	5.038289	5.007978	5.2343	5.300492	5.14044	5.256592	4.873768	4.596713	4.735974	5.085149	4.949728	4.98132
GRB14	ENSG00000115290	0.132605	0.966634	0.81501	0.426033	0.491097	-6.25978	1.642349	1.465573	1.888281	1.791994	1.556428	1.757653	1.389995	1.15884	1.314712	1.423238	1.752042	1.46518	1.689764	1.622273	1.667532	1.85727	1.442809	1.665483
CLIP4	ENSG00000115295	0.281684	6.097908	2.280426	0.035376	0.054529	-5.33005	6.296841	6.308632	6.202087	6.227533	6.145011	6.289823	6.734246	6.647826	6.608906	5.684183	5.639998	5.63746	6.205689	6.190196	6.274656	5.684156	5.653435	5.733755
SPTBN1	ENSG00000115306	0.117592	8.956301	0.906583	0.376957	0.441602	-7.56406	9.040998	8.987135	9.10704	9.642163	9.564281	9.682834	8.980108	8.80826	8.860455	8.935422	8.948839	8.825103	8.626335	8.499132	8.589495	8.737526	8.717167	8.716636
AUP1	ENSG00000115307	0.13227	7.745632	2.706723	0.014707	0.024913	-4.68525	7.406238	7.34514	7.403949	7.650555	7.682085	7.656066	7.742621	7.645069	7.707021	7.958466	7.860599	7.93846	7.957163	7.879201	7.939523	7.934296	7.913688	7.927245
RTN4	ENSG00000115310	0.283922	8.466313	6.3285	6.64E-06	2.79E-05	3.034932	8.83245	8.852139	8.807619	9.150824	9.161644	9.11072	8.818036	8.849343	8.813346	7.804963	7.817664	7.923953	8.092514	8.089806	8.140789	8.108787	8.039808	8.059598
HTRA2	ENSG00000115317	0.313603	4.813986	2.905566	0.009641	0.017083	-3.90273	4.965424	5.007511	4.938064	4.694564	4.86605	4.908703	5.009762	4.955186	5.036597	4.525848	4.490971	4.572373	5.160571	5.211312	5.13383	4.780845	4.691628	4.651565
LOXL3	ENSG00000115318	-0.6451	1.520849	-4.71487	0.000186	0.000511	0.608326	1.430644	1.631689	1.62731	1.326771	1.437317	1.123626	1.389995	1.301009	1.0941	2.790717	2.714733	2.911754	2.42639	2.21055	2.036756	3.022222	2.972579	2.975687
DOK1	ENSG00000115325	0.436166	3.340276	3.934829	0.001019	0.002302	-1.39656	3.128595	3.483793	3.347346	3.103249	3.844198	3.498018	3.457463	3.083395	3.162566	3.216534	3.584062	3.439082	3.960951	4.045377	3.843644	3.560228	3.529023	3.410407
GALNT3	ENSG00000115339	0.075907	2.481364	1.130803	0.273417	0.333814	-6.93673	0.742531	0.582935	0.598525	0.635873	0.828511	0.984419	0.269385	0.622068	0.515351	5.969338	5.873106	5.96652	5.909553	6.060794	6.027972	5.968311	5.987961	5.896886
POLE4	ENSG00000115350	-0.18751	5.130302	-2.60458	0.018219	0.03011	-4.5965	5.0569	5.134056	5.002498	4.857809	4.939117	4.735009	4.80585	4.814082	4.770621	5.358091	5.407641	5.594999	5.322513	5.408455	5.200779	5.705599	5.502682	5.499895
CCDC88A	ENSG00000115355	0.292983	4.262404	1.856877	0.080264	0.113357	-5.5644	5.269428	5.300601	5.353819	5.890028	5.830334	5.970546	5.719113	5.81612	5.782514	3.294134	3.295928	3.187996	2.683738	2.985883	2.743612	3.245848	3.204393	3.149291
EVA1A	ENSG00000115363	-0.62717	1.101169	-5.58237	2.98E-05	0.000102	1.901923	0.318509	0.215206	0.106501	0.106501	0.106501	0.461789	0.269385	0.106501	0.106501	5.710958	5.622444	5.866538	5.150455	5.009177	5.146464	5.882568	5.873097	5.84102
MRPL19	ENSG00000115364	-0.39551	6.309564	-11.3288	1.77E-09	2.91E-08	11.71886	6.681605	6.670255	6.681965	6.272761	6.175571	6.256173	6.655407	6.620963	6.610642	6.277071	6.253266	6.334048	5.949778	5.907809	5.973704	6.217134	6.194777	6.18146
LANCL1	ENSG00000115365	0.039894	7.028177	0.790517	0.439821	0.504328	-7.50525	7.618174	7.594431	7.52336	7.689435	7.578582	7.747035	7.613016	7.678021	7.569124	6.594269	6.545497	6.503555	6.487887	6.544756	6.546597	6.282253	6.269604	6.345106
WDR75	ENSG00000115368	-0.27179	6.873752	-4.16012	0.000622	0.001485	-1.49477	7.114013	7.058253	7.061431	6.529092	6.493661	6.60555	6.838498	6.741215	6.844112	7.011757	6.937803	6.991631	6.914023	6.942559	6.932401	6.942022	7.031811	6.967345
EFEMP1	ENSG00000115380	0.631106	9.120327	4.972166	0.000107	0.000314	0.170816	9.923546	9.99075	9.958969	10.61135	10.40882	10.51921	10.79887	10.74611	10.79871	7.589098	7.541368	7.598545	8.311939	8.263576	8.298262	7.640489	7.59735	7.640148
FANCL	ENSG00000115392	-0.66113	4.695825	-7.88617	3.67E-07	2.34E-06	6.395006	4.901049	4.984658	4.962565	4.281793	4.392653	4.434292	4.225415	4.332946	4.41276	5.198228	5.212608	5.230939	4.49639	4.671739	4.523816	5.007591	5.080907	5.220652
FN1	ENSG00000115414	0.298213	11.20006	4.484028	0.000307	0.000797	-0.98921	13.2339	13.25652	13.34329	13.65031	13.62692	13.75448	13.1958	13.15355	13.21771	9.179258	9.196567	9.100474	9.317766	9.287528	9.352237	8.574296	8.574559	8.613891
STAT1	ENSG00000115415	-0.37092	8.218042	-4.83258	0.000145	0.000409	-0.12132	8.17754	8.108984	8.128697	7.960781	7.929034	7.962321	7.997053	8.043699	8.00122	8.509036	8.527323	8.557418	7.959193	8.074334	8.004814	8.66086	8.672389	8.741713
GLS	ENSG00000115419	-0.7788	6.786645	-12.4781	3.90E-10	8.89E-09	13.23963	7.168867	7.156098	7.150322	6.626386	6.589306	6.663747	6.918943	6.925394	6.910477	7.19993	7.202864	7.193428	6.253734	6.135585	6.256122	6.705452	6.712283	6.640054
PAPOLG	ENSG00000115421	0.181073	4.470635	2.466166	0.024264	0.038971	-4.72816	4.158957	4.14364	3.979882	4.532944	4.360275	4.537503	4.339849	4.562048	4.505294	4.728129	4.712893	4.601264	4.816056	4.80769	4.543056	4.743057	4.751478	4.849107
PECR	ENSG00000115425	0.336657	3.597852	4.192879	0.000579	0.001397	-0.79862	4.102823	4.080378	3.995797	4.3081	4.384626	4.293939	4.283766	4.238905	4.296723	3.058725	3.106888	3.269454	3.488503	3.520297	3.494191	3.094024	3.104657	2.928814
UNC50	ENSG00000115446	-0.02551	5.792771	-0.49367	0.627682	0.681461	-7.55618	6.315484	6.290111	6.235982	6.274985	6.11379	6.297196	6.187456	6.194191	6.169423	5.546278	5.444072	5.519816	5.397996	5.548415	5.566882	5.191852	5.201146	5.277879
IGFBP2	ENSG00000115457	-0.04834	4.779551	-0.21878	0.829355	0.858779	-7.49413	4.363907	4.366251	4.281987	5.156973	5.484749	5.30954	4.857993	4.77806	4.73921	5.066207	4.925369	5.208582	4.334248	4.385617	4.265755	5.262556	5.152027	5.091828
ELMOD3	ENSG00000115459	-0.15391	3.9796	-2.16845	0.044191	0.066507	-5.14288	4.339825	4.330447	4.255791	4.181007	3.923901	3.964146	4.079318	4.009594	4.17992	4.043261	3.964495	4.008229	3.970183	3.846002	4.078019	4.01601	3.923096	4.177341
USP34	ENSG00000115464	-0.03143	7.36952	-0.50617	0.619059	0.674051	-7.7429	7.328825	7.500893	7.485819	7.399469	7.33897	7.644552	7.648608	7.543228	7.528359	7.37197	7.449281	7.196745	7.221945	7.218204	7.316386	7.190954	7.169127	7.261002
EFHD1	ENSG00000115468	1.001195	2.06293	10.51927	5.52E-09	7.37E-08	10.91154	1.519087	0.8079	1.146821	1.688986	2.03796	1.623325	1.240874	1.082132	1.171446	3.303547	3.390227	3.269454	4.279599	4.215509	4.199397	3.617041	3.277464	3.432977
CCT4	ENSG00000115484	-0.50931	8.927911	-10.568	5.15E-09	7.00E-08	10.42898	9.484881	9.478007	9.403221	8.819707	8.76549	8.797054	9.073346	9.123825	9.065584	8.890843	8.891734	8.905774	8.536355	8.51857	8.548195	8.849192	8.788095	8.818722
GGCX	ENSG00000115486	0.176718	5.679259	2.097116	0.050816	0.075527	-5.63846	5.100552	5.063109	4.946277	5.601826	5.637789	5.578188	5.422829	5.609584	5.474506	6.073423	6.018435	6.065214	6.038027	5.901588	5.983596	6.067194	6.091458	6.090332
EHBP1	ENSG00000115504	-0.33764	5.672673	-2.54422	0.020655	0.033722	-4.80876	5.585841	5.675946	5.683566	5.55133	5.36339	5.617001	4.883375	5.063901	4.994649	6.096621	6.109458	6.124133	5.650003	5.710205	5.678967	6.275652	6.291189	6.296701
OTX1	ENSG00000115507	0.158665	1.3619	1.535466	0.142573	0.18813	-5.63112	1.286899	1.631689	1.406977	1.457877	1.612488	1.714252	1.240874	1.301009	1.564539	2.30136	2.372288	2.355887	2.466086	2.307842	2.528806	1.970607	2.146913	2.091498
TXNDC9	ENSG00000115514	-0.30375	5.874422	-5.31851	5.16E-05	0.000166	1.147904	6.203172	6.253935	6.155027	5.714295	5.687572	5.746517	5.83747	5.943547	5.94552	5.988432	5.88346	5.91682	5.756555	5.783078	5.811809	5.832469	5.766537	5.97009
COQ10B	ENSG00000115520	0.071124	5.555955	1.166856	0.258943	0.318491	-6.96907	5.646	5.625131	5.555197	5.836811	5.763816	5.845381	5.743574	5.859858	5.782514	5.493793	5.456014	5.549768	5.343978	5.546423	5.471694	5.262556	5.405901	5.388831
SF3B1	ENSG00000115524	0.194579	8.091388	2.714587	0.014465	0.024547	-4.69624	7.909029	7.853395	7.781548	8.35441	8.245538	8.303968	7.711959	7.900959	7.783692	8.272195	8.26899	8.208441	8.210904	8.196558	8.248731	8.150278	8.182527	8.161101
ST3GAL5	ENSG00000115525	0.406289	4.926925	1.829049	0.084507	0.118749	-5.97979	4.654895	4.80064	4.781616	4.416862	3.967543	4.365821	4.944941	5.013152	5.03142	5.038288	5.130539	5.147212	6.031427	5.890637	6.026606	4.817667	4.773297	4.775955
CHST10	ENSG00000115526	0.770527	2.200123	3.48884	0.002717	0.005517	-1.80174	4.785446	4.281283	4.48731	5.424805	5.133653	5.352637	5.32896	5.183472	5.304656	0.54782	0.640699	0.807652	0.562188	1.077171	0.812339	1.017342	0.871168	0.805046
PDCL3	ENSG00000115539	-0.41079	5.470121	-8.26763	1.90E-07	1.34E-06	6.979073	6.122537	6.113526	5.891391	5.479843	5.586227	5.550692	5.620676	5.643348	5.574002	5.481405	5.489323	5.507659	5.148423	5.241179	5.161481	5.203493	5.115482	5.144062
MOB4	ENSG00000115540	2.325309	4.825265	10.34038	7.16E-09	9.02E-08	10.56828	4.179456	4.223893	4.167214	7.104065	6.920203	6.956945	6.849809	6.793275	6.797601	3.047564	3.065914	3.247691	4.179675	4.045377	4.189664	4.194605	4.083055	4.216898
HSPE1	ENSG00000115541	0.417165	6.053658	2.781255	0.012564	0.021651	-4.32889	6.084999	5.977387	5.918779	7.07244	6.934019	6.925177	6.700729	6.549752	6.675138	5.72153	5.662504	5.55125	5.416688	5.462279	5.487671	5.779011	5.773771	5.703906
KDM3A	ENSG00000115548	0.400618	5.960946	4.894588	0.000127	0.000364	0.199643	5.086148	5.154678	5.297149	5.863665	5.847955	5.988874	5.510962	5.571508	5.482116	6.173072	6.457152	6.201645	6.444661	6.493976	6.47327	6.54818	6.561611	6.595729
PLCD4	ENSG00000115556	2.977186	1.214532	9.387792	3.04E-08	2.91E-07	9.128548	2.461454	2.76681	2.492412	5.514147	5.575689	5.751893	2.724622	2.848856	2.697131	0.669294	0.462741	0.54756	1.018891	1.2438	0.910419	0.326864	0.572487	0.315289
CHMP3	ENSG00000115561	1.216225	6.087999	14.74167	2.69E-11	1.25E-09	16.05337	5.042051	5.144404	5.079193	6.643705	6.640761	6.598108	6.225168	6.121786	6.240692	5.75279	5.78275	5.586355	6.620596	6.709608	6.606351	6.426311	6.316177	6.473133
ZNF142	ENSG00000115568	-0.33776	5.651927	-6.28975	7.17E-06	2.98E-05	3.186653	5.406168	5.278849	5.533555	5.087795	5.248674	5.122998	5.435754	5.408281	5.588176	6.189666	6.212782	6.071422	5.84327	5.672341	5.803856	6.163312	6.030859	6.183125
IL1R1	ENSG00000115594	1.353772	4.097388	10.62676	4.73E-09	6.50E-08	11.06173	4.867751	4.738249	4.777019	5.990913	6.059364	6.075031	5.952856	6.00976	5.900795	2.427256	2.174476	2.16783	3.60569	3.503965	3.517722	2.597261	2.895091	2.975687
IL18R1	ENSG00000115604	-0.52102	0.44678	-1.35311	0.193264	0.24551	-5.37936	3.551922	3.298545	3.270929	3.083078	2.904251	2.825643	4.274204	3.988732	4.011347	0.415169	0.330605	0.397516	0.352262	0.106501	0.533283	0.393424	0.2791	0.214669
SLC9A2	ENSG00000115616	-0.72329	2.13761	-2.60112	0.01835	0.030289	-3.58454	5.364998	5.673567	5.605332	4.654117	4.662026	4.78306	5.188389	5.117737	4.994649	0.483018	0.462741	0.683459	0.982856	0.837535	0.760679	0.686723	0.871168	0.659518
FHL2	ENSG00000115641	-0.42739	6.701701	-4.44393	0.000335	0.00086	-0.86979	6.591418	6.412172	6.495858	6.142369	6.270099	6.233295	5.937792	5.859858	5.866318	7.393066	7.373651	7.465025	6.929487	6.921961	6.877376	7.394073	7.347581	7.395647
MLPH	ENSG00000115648	-0.47153	7.923051	-2.42441	0.026431	0.042077	-5.21609	8.985811	8.914681	9.00679	8.972471	9.021797	9.011684	8.421982	8.397843	8.458636	7.472409	7.332138	7.475986	6.452917	6.344918	6.362835	7.342888	7.339682	7.438106
CNPPD1	ENSG00000115649	0.292101	5.390995	5.65751	2.56E-05	8.92E-05	1.892879	4.679091	4.691972	4.808898	4.898777	4.758354	4.908703	4.956946	4.855002	4.801363	5.871466	5.942657	5.919117	6.299316	6.252624	6.254955	5.906981	5.991068	5.930982
UXS1	ENSG00000115652	-0.16793	6.159159	-4.68485	0.000199	0.000542	-0.26648	6.403797	6.368704	6.401937	6.159327	6.248147	6.16038	6.017329	6.063123	6.131214	6.233415	6.215126	6.281465	6.122223	6.103425	6.106375	6.045367	6.092904	6.084997
ABCB6	ENSG00000115657	0.066515	-0.12499	0.229448	0.821185	0.851866	-6.24627	1.430644	1.277811	1.667608	1.634586	1.498102	1.919272	1.525136	1.491012	1.777424	0.54782	0.695454	0.683459	0.701742	0.550009	0.335616	0.326864	0.759002	0.659518
STK16	ENSG00000115661	0.238663	5.158229	4.976337	0.000106	0.000312	0.505522	5.307177	5.178369	5.211151	5.49519	5.34696	5.334836	4.980658	5.053893	5.057123	5.172773	5.167323	5.133432	5.538057	5.361637	5.422676	4.868275	4.981317	4.985143
HDLBP	ENSG00000115677	0.153147	9.668057	5.839737	1.76E-05	6.48E-05	1.955062	9.957203	9.976945	9.944307	10.16888	10.17185	10.1359	10.03168	9.988297	10.03258	9.274326	9.211027	9.233759	9.351276	9.332876	9.355506	9.316794	9.282632	9.293446
PPP1R7	ENSG00000115685	0.268853	6.179958	7.034057	1.72E-06	8.71E-06	4.587615	5.665509	5.747832	5.724733	5.974582	5.941203	6.062107	5.949855	5.927193	5.900795	6.376307	6.337447	6.495882	6.698346	6.675378	6.598096	6.540857	6.506228	6.49475
PASK	ENSG00000115687	-1.0023	3.560719	-10.9888	2.83E-09	4.26E-08	11.52293	3.765853	3.976101	3.773804	2.933382	3.112982	2.924168	3.027514	2.825515	2.981126	4.721121	4.616873	4.45065	3.507651	3.666873	3.754018	4.122857	4.140146	4.163911
STK25	ENSG00000115694	0.203918	6.585698	2.897042	0.009818	0.017378	-4.19324	6.600314	6.550871	6.587979	6.479798	6.52138	6.486449	6.573959	6.666008	6.688357	6.39734	6.436204	6.42493	6.903218	6.829961	6.831167	6.640993	6.593644	6.609418
ID2	ENSG00000115738	1.539383	4.499071	5.339579	4.94E-05	0.00016	1.47454	4.321496	4.383825	4.418131	6.512219	6.457769	6.513603	5.35187	5.206241	5.238799	4.161861	4.112675	4.194187	4.618846	4.693507	4.580783	2.479639	2.770449	2.610232
TAF1B	ENSG00000115750	-0.08998	4.110189	-1.26954	0.220894	0.276297	-6.55086	4.117062	4.058659	4.07284	4.112999	4.267295	4.264152	4.274204	4.389749	4.288067	4.156676	4.305413	4.235316	3.960951	4.10073	3.951255	4.203908	4.313961	4.428245
HPCAL1	ENSG00000115756	-0.66394	7.40666	-4.71486	0.000186	0.000511	-0.28745	8.171157	8.21301	8.254742	7.786966	7.965142	7.74029	7.998506	7.845473	7.956167	7.058374	7.005728	7.150092	6.2251	6.0857	6.064381	7.445467	7.311999	7.221842
ODC1	ENSG00000115758	-0.45035	8.045326	-6.08335	1.08E-05	4.24E-05	2.574	8.954682	8.948536	8.878273	8.25874	8.249963	8.254644	8.939091	8.953276	8.877867	7.550582	7.429733	7.482989	7.257256	7.305605	7.274409	7.484158	7.377567	7.451986
BIRC6	ENSG00000115760	0.125687	7.420635	1.63723	0.11946	0.161445	-6.57686	7.149082	7.169671	7.206109	7.468157	7.265475	7.659646	7.319577	7.223157	7.238271	7.682245	7.844033	7.430829	7.650142	7.560798	7.677971	7.375155	7.368636	7.440197
NOL10	ENSG00000115761	-0.40394	6.503934	-8.37639	1.58E-07	1.14E-06	7.03928	6.78109	6.73102	6.760919	6.270533	6.200933	6.229446	6.599072	6.683964	6.636447	6.656198	6.669486	6.664835	6.292891	6.37666	6.42845	6.482811	6.447504	6.455328
PLEKHB2	ENSG00000115762	-0.65242	8.165386	-14.8156	2.48E-11	1.18E-09	16.0087	8.732811	8.744025	8.698498	7.975218	7.959749	7.910384	8.400716	8.461214	8.389503	8.298325	8.217304	8.277193	7.718845	7.742318	7.738892	7.916017	7.92063	7.97128
GORASP2	ENSG00000115806	0.073825	7.575766	2.075121	0.053034	0.078398	-5.86638	7.552895	7.541912	7.502625	7.634185	7.582973	7.586313	7.590075	7.441347	7.576252	7.508468	7.518299	7.572519	7.616729	7.630161	7.591906	7.686839	7.677156	7.693701
STRN	ENSG00000115808	0.771523	5.365699	10.03504	1.13E-08	1.31E-07	9.913133	4.811948	4.872944	4.763138	5.860706	5.815483	5.852905	5.650549	5.740142	5.623012	5.131086	5.113047	4.934378	5.577856	5.591562	5.589266	5.457931	5.389513	5.472921
CEBPZ	ENSG00000115816	-0.00804	7.313911	-0.20477	0.840117	0.867652	-7.85575	7.216761	7.294161	7.195812	7.187915	7.198373	7.25547	7.336905	7.441347	7.309508	7.382556	7.386708	7.393326	7.371408	7.432918	7.363684	7.314184	7.353025	7.384834
PRKD3	ENSG00000115825	1.065753	6.595636	7.201228	1.26E-06	6.68E-06	5.006819	7.643603	7.710403	7.720604	9.157772	9.080118	9.132779	8.30945	8.356202	8.258266	4.728129	4.790397	4.847819	5.09878	5.226323	5.009321	4.61293	4.729324	4.827974
DCAF17	ENSG00000115827	-0.3816	5.2231	-5.97939	1.33E-05	5.10E-05	2.620108	5.485141	5.485601	5.525355	4.955356	4.84865	5.068031	5.032629	5.310795	5.112107	5.56205	5.608245	5.536367	5.306202	5.282459	5.330457	5.046891	5.089629	5.147478
QPCT	ENSG00000115828	1.774631	3.329217	4.502322	0.000295	0.000769	0.452768	9.465536	9.508868	9.458999	11.34059	11.2546	11.25753	10.61046	10.63165	10.63032	0.190076	0.259702	0.106501	0.106501	0.190544	0.186984	0.257084	0.19538	0.106501
RAB3GAP1	ENSG00000115839	0.584314	6.523326	11.72043	1.04E-09	1.97E-08	12.2492	6.321645	6.285444	6.20893	6.728936	6.774239	6.687786	6.959782	6.996351	7.017779	5.92276	6.043715	5.92141	6.628635	6.613925	6.685536	6.62723	6.5875	6.707562
SLC25A12	ENSG00000115840	0.904131	4.868071	14.67751	2.89E-11	1.31E-09	16.08628	4.522086	4.418344	4.345467	5.384166	5.446705	5.401341	5.32896	5.224202	5.278673	4.332495	4.439772	4.405499	5.182581	5.160118	5.168932	4.871197	4.81246	4.844905
RMDN2	ENSG00000115841	0.742456	2.763465	5.271727	5.69E-05	0.000181	1.691862	2.461454	2.982098	2.579475	3.487804	3.47236	3.786958	3.457463	3.232814	3.406029	2.427256	2.646894	2.7037	2.872818	3.109775	3.021143	2.568742	2.841019	2.528753
DLX2	ENSG00000115844	-0.78805	2.29199	-6.9184	2.13E-06	1.05E-05	5.063008	3.983545	3.846899	4.065319	2.97776	3.31232	3.086148	2.724622	2.451551	2.82232	2.338465	2.405511	2.396013	1.935792	1.793303	2.07955	1.65509	1.613793	1.546329

DARS1	ENSG00000115866	-0.37675	7.184832	-4.29918	0.000459	0.001135	-1.21661	7.372509	7.329355	7.317153	6.665914	6.523209	6.541808	7.112476	7.068959	7.055249	7.375321	7.416043	7.348446	7.288498	7.322002	7.34517	7.457184	7.505285	7.470515
SRSF7	ENSG00000115875	-0.4038	7.862113	-9.90415	1.37E-08	1.55E-07	9.475642	8.11772	8.088141	8.012253	7.597327	7.570644	7.608707	8.184205	8.347522	8.268754	7.861821	7.803713	7.8045	7.517889	7.471751	7.484046	7.911056	7.988267	7.99707
SDC1	ENSG00000115884	0.235047	7.285437	2.50306	0.02249	0.036396	-5.07877	5.443372	5.692494	5.49208	6.192657	6.210046	6.212	5.827697	5.874148	5.794788	8.52748	8.595039	8.627734	8.611661	8.64008	8.586253	9.031841	9.034221	9.011941
SLC1A4	ENSG00000115902	-0.21425	5.265507	-3.11619	0.006125	0.011409	-3.40771	6.460736	6.365759	6.437331	6.263828	6.30454	6.393204	6.751579	6.739655	6.771444	4.346223	4.223947	4.264509	3.870167	3.852467	3.880413	4.180538	4.283876	4.341429
SOS1	ENSG00000115904	0.231715	5.999816	3.937514	0.001014	0.002291	-1.88343	5.891483	5.916304	5.93744	6.120268	6.084358	6.198283	6.056907	6.227963	6.238447	5.858752	5.999521	5.878389	6.101368	6.104779	6.218323	5.81588	5.87814	5.888745
KYNU	ENSG00000115919	0.364596	6.232355	1.890761	0.075352	0.107239	-5.81343	8.429376	8.422365	8.379022	9.132845	9.11904	9.146109	8.135523	8.232442	8.139977	4.377757	4.36574	4.418544	3.714069	3.752319	3.824901	3.97856	3.690624	3.856822
WIPF1	ENSG00000115935	1.173701	1.029993	1.687664	0.109239	0.148918	-5.01862	2.392887	2.655462	2.492412	4.464421	4.310303	4.337497	3.405851	3.685883	3.759121	0.934589	0.640699	0.76743	0.171976	0.190544	0.186984	0.930351	1.206659	1.416439
ORC2	ENSG00000115942	-0.21293	5.493568	-4.38489	0.000381	0.000963	-0.82228	5.808367	5.792378	5.767078	5.636843	5.371535	5.435149	5.620676	5.550308	5.504708	5.491736	5.525662	5.504604	5.338642	5.372923	5.441254	5.424501	5.401238	5.489166
COX7A2L	ENSG00000115944	-0.24349	6.824256	-4.98368	0.000105	0.000308	0.322227	7.238905	7.301115	7.175868	6.928659	6.822574	6.838142	6.962762	7.0702	6.984678	6.817652	6.668631	6.732995	6.640249	6.597663	6.624528	6.549092	6.511647	6.610656
PNO1	ENSG00000115946	-0.14222	6.537385	-3.44836	0.002969	0.005967	-3.01264	6.655014	6.587988	6.719588	6.498957	6.430738	6.386308	6.706074	6.612464	6.788423	6.493004	6.436204	6.562774	6.436358	6.398913	6.429485	6.640993	6.568907	6.609418
ORC4	ENSG00000115947	-0.08506	5.506786	-1.46354	0.161073	0.209455	-6.58788	5.663084	5.685425	5.592306	5.532858	5.371535	5.428451	5.719113	5.868449	5.653661	5.419984	5.498975	5.495399	5.474599	5.472807	5.497567	5.404468	5.515684	5.414576
RND3	ENSG00000115963	-1.05056	7.284984	-4.83882	0.000143	0.000404	-0.04249	8.235387	8.048746	8.026365	5.96359	6.061883	6.186421	7.086758	7.13453	7.144275	7.808273	7.784111	7.770881	7.496084	7.520771	7.546868	7.098592	7.208364	7.198979
ATF2	ENSG00000115966	0.689546	5.623713	8.423639	1.46E-07	1.08E-06	7.252341	5.601118	5.683061	5.56323	6.414705	6.430738	6.481604	6.197609	6.35158	6.162335	5.015558	5.092794	4.970258	5.580873	5.503938	5.503472	4.996928	5.225092	5.03025
THADA	ENSG00000115970	0.200398	5.473443	4.070481	0.000757	0.001768	-1.52261	5.549554	5.509814	5.653783	5.818626	5.818465	5.916519	5.360933	5.344028	5.296047	5.46891	5.4757	5.356567	5.594369	5.493636	5.583703	5.315009	5.307153	5.262209
AAK1	ENSG00000115977	0.291541	5.388449	4.800296	0.000155	0.000435	0.066154	4.888652	4.804995	4.844488	5.277258	5.274966	5.363212	5.015513	5.023446	5.010523	5.829728	5.91264	5.638854	5.97522	5.921708	6.001789	5.697389	5.576928	5.593031
TRAK2	ENSG00000115993	0.878637	6.134267	11.55622	1.30E-09	2.31E-08	12.07995	6.284277	6.320848	6.254291	7.171291	7.087775	7.214199	7.036735	6.949886	6.9508	5.190639	5.186564	5.095351	6.003597	5.915547	6.080272	5.351042	5.360979	5.397464
C2orf42	ENSG00000115998	0.147557	3.596563	1.485805	0.155145	0.202858	-6.15177	3.878801	3.759847	3.93931	3.714523	3.47236	3.926609	3.891945	3.578282	3.586306	3.651939	3.576789	3.373604	3.870167	3.806595	3.87435	3.749992	3.620134	3.611778
TIA1	ENSG00000116001	0.683054	5.284577	5.684253	2.42E-05	8.50E-05	1.991007	4.548594	4.210824	4.43574	5.733834	5.529116	5.680396	5.043928	4.976535	5.010523	5.391578	5.566627	5.406528	5.814086	5.766058	5.716735	5.595049	5.68063	5.740557
PCYOX1	ENSG00000116005	1.714006	6.664892	8.693482	9.29E-08	7.42E-07	7.616511	5.578142	5.602793	5.56323	8.087692	7.972524	8.103049	7.548039	7.527946	7.53569	5.776643	5.814017	5.698897	6.656067	6.652407	6.660208	6.539021	6.43044	6.535733
EPAS1	ENSG00000116016	-1.08601	8.221778	-16.6802	3.56E-12	2.97E-10	18.02844	9.586079	9.561778	9.617993	8.328941	8.40035	8.353431	9.006337	8.902942	8.956455	7.872138	7.843275	7.835531	6.89597	6.923497	6.974817	7.668477	7.654312	7.716879
ARID3A	ENSG00000116017	-1.80992	2.726238	-6.90235	2.20E-06	1.08E-05	5.031182	5.20423	5.25994	5.30675	3.376187	3.531716	3.548316	3.440463	3.550079	3.218306	2.204194	2.531245	2.558044	1.088368	1.428204	1.456457	2.075685	2.274787	2.397196
SUMO1	ENSG00000116030	-0.12875	7.306606	-3.01762	0.007579	0.013786	-4.01462	7.337972	7.362972	7.30443	7.049233	7.072867	7.090237	7.056395	7.209698	7.065416	7.479174	7.454747	7.516743	7.443196	7.502905	7.465511	7.413749	7.424284	7.4395
ATP6V1B1	ENSG00000116039	2.487111	-1.16947	4.240525	0.000521	0.001274	-0.03707	0.947665	1.327092	1.30847	1.978268	2.366112	2.429135	1.762502	1.491012	1.445026	0.106501	0.106501	0.106501	0.869014	0.888753	1.046067	0.106501	0.106501	0.106501
NFE2L2	ENSG00000116044	-0.95366	7.394647	-7.43784	8.17E-07	4.61E-06	5.276566	8.27918	8.197358	8.19482	6.759444	6.835881	6.813931	7.987576	8.030363	7.997906	7.372529	7.378888	7.38338	6.861656	6.876695	6.890204	7.163801	7.158804	7.091357
MSH6	ENSG00000116062	-0.87263	7.073648	-7.85103	3.91E-07	2.46E-06	6.056785	7.621923	7.631071	7.593021	6.959414	6.96799	7.019569	7.002396	7.018391	7.019088	7.360742	7.399648	7.305202	6.238533	6.33341	6.312148	7.245463	7.21635	7.28911
PLEKHA3	ENSG00000116095	0.180848	5.019324	2.289929	0.034708	0.053636	-5.1526	5.000411	4.925889	5.052811	5.416768	5.14795	5.219282	5.213624	5.435516	5.216162	5.009819	5.014203	4.956908	5.045184	5.071461	5.141424	4.768358	4.755137	4.780362
SPR	ENSG00000116096	0.433252	5.852598	9.237586	3.85E-08	3.59E-07	8.579983	5.864307	5.820613	5.731878	6.346536	6.354709	6.27683	6.116986	6.119389	6.02321	5.462622	5.442072	5.580563	5.919119	5.741888	5.852476	5.741175	5.729813	5.692259
EPHA4	ENSG00000116106	0.039686	5.740124	0.251933	0.804032	0.836999	-7.47692	6.841296	6.703292	6.794289	7.11404	6.946341	7.058051	7.989768	8.047487	8.093536	4.355303	4.340194	4.444286	3.937609	3.999514	3.87435	4.588279	4.432969	4.582581
PARD3B	ENSG00000116117	0.517108	3.22414	5.12977	7.68E-05	0.000235	1.086828	3.026682	3.085957	3.190238	3.342644	3.170134	3.292047	2.186178	1.945386	1.826075	3.93235	3.981119	3.896118	4.515435	4.588991	4.480563	3.724364	3.72088	3.364179
FARSB	ENSG00000116120	-0.74007	6.985105	-21.9632	3.58E-14	1.11E-11	22.76431	7.585263	7.623694	7.570615	6.784644	6.774239	6.84696	7.3219	7.24091	7.293378	7.128903	7.053015	7.121458	6.405214	6.449894	6.403403	6.770288	6.754944	6.822074
ALMS1	ENSG00000116127	-0.16591	4.91051	-1.85733	0.080197	0.113296	-5.90475	5.411954	5.363957	5.38134	4.904536	4.966263	4.98829	4.883375	4.734864	4.549426	4.986631	4.997958	4.791271	4.98725	5.029288	4.894173	4.799373	4.881053	4.726565
BCL9	ENSG00000116128	0.058208	5.881763	0.662858	0.516069	0.578177	-7.49931	6.106569	6.13617	6.113692	5.759481	5.93572	5.757249	5.894757	5.755661	5.770134	5.915104	5.796904	5.722758	6.151938	6.095271	6.203889	5.761793	5.711094	5.738293
DHCR24	ENSG00000116133	-0.34592	7.981382	-0.97185	0.344385	0.408552	-7.44653	7.54699	7.545821	7.549205	8.591527	8.662203	8.666514	7.402016	7.335857	7.447093	8.735427	8.694997	8.689242	7.155211	7.119145	7.132376	8.539816	8.471834	8.496582
DNAJC16	ENSG00000116138	0.095383	5.024727	1.50739	0.149573	0.196467	-6.45549	4.880328	4.949684	4.913139	5.1029	5.075006	5.028711	5.136557	5.150979	5.155586	5.1779	5.092794	5.156974	5.210117	5.185942	5.153992	5.015537	4.847164	5.026544
MARK1	ENSG00000116141	1.699273	-1.04101	5.433452	4.06E-05	0.000135	2.335071	2.461454	2.37994	2.492412	4.272916	4.061165	4.186878	2.957542	2.825515	2.670735	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MORN1	ENSG00000116151	-0.14811	2.993191	-1.71859	0.103351	0.141937	-5.70616	2.965042	3.182839	3.322321	2.933382	2.85862	3.168853	2.752438	3.102941	2.748518	3.411958	3.709078	3.464463	3.395624	3.357127	3.462206	3.113899	3.127424	3.021085
CACYBP	ENSG00000116161	0.040438	7.828855	0.972459	0.344089	0.408235	-7.42417	7.830732	7.851817	7.755494	8.072425	7.919343	7.944237	8.028677	8.061915	8.02551	7.728404	7.682737	7.721405	7.646907	7.636262	7.625236	7.82588	7.830281	7.850728
SCP2	ENSG00000116171	0.411563	6.042237	5.075213	8.62E-05	0.000259	0.589066	5.952311	6.011704	5.925027	6.279424	5.905185	6.152273	6.005819	5.9217	5.92891	5.958951	5.958134	5.936226	6.543063	6.604381	6.514791	5.85035	5.849327	5.872323
PAPPA2	ENSG00000116183	-0.58334	3.885133	-3.17016	0.005448	0.010277	-2.96468	5.246942	5.366905	5.350729	4.576883	4.293254	4.518705	5.743574	5.636658	5.616111	2.966925	2.85362	2.649405	3.083152	2.714997	2.895043	3.190769	2.799093	2.830235
RALGPS2	ENSG00000116191	0.001835	5.322128	0.027859	0.97809	0.981605	-7.7084	4.456406	4.312206	4.188143	4.562385	4.478119	4.740428	4.302704	4.273815	4.252911	6.506313	6.61194	6.511187	6.35588	6.44027	6.515765	6.036282	6.023291	6.052569
CEP104	ENSG00000116198	-0.42433	5.584644	-6.75332	2.92E-06	1.37E-05	4.132455	5.950324	5.846194	5.959925	5.222985	5.375591	5.272617	5.722633	5.495903	5.497217	5.725037	5.853677	5.779474	5.530276	5.508039	5.551764	5.667442	5.597458	5.526375
FAM20B	ENSG00000116199	-0.0876	7.067178	-1.59844	0.127866	0.17131	-6.56642	7.588461	7.625542	7.558611	7.691934	7.668927	7.67175	7.77773	7.851985	7.799006	6.595228	6.520125	6.585363	6.315704	6.315975	6.242063	6.593122	6.524569	6.502774
TCEANC2	ENSG00000116205	0.082152	3.702873	1.299457	0.210667	0.264923	-6.56448	2.9807	3.012542	3.119366	2.887595	3.073582	3.200652	3.094248	3.083395	2.892531	4.7455	4.630987	4.606974	4.742532	4.774033	4.72927	4.469892	4.298997	4.607598
TMEM59	ENSG00000116209	0.623546	7.757216	9.186047	4.18E-08	3.84E-07	8.29967	6.938712	7.049103	6.843491	7.901542	7.735919	7.881247	7.174192	7.208571	7.09177	8.101924	8.10455	8.110353	8.466922	8.540005	8.529024	7.998515	8.039808	8.047307
LRRC42	ENSG00000116212	-0.18791	4.944571	-2.37185	0.029418	0.046207	-5.02865	4.921476	4.791891	4.913139	4.532944	4.485643	4.467345	4.339849	4.428995	4.482711	5.42646	5.254237	5.473689	5.352829	5.408455	5.188613	5.539185	5.447207	5.442654
WRAP73	ENSG00000116213	-0.48477	4.502899	-5.64789	2.61E-05	9.07E-05	2.05662	4.543331	4.569336	4.671981	3.487804	4.051057	3.722706	4.330652	4.389749	4.482711	4.983707	4.989766	4.970258	4.679202	4.743056	4.698713	5.02344	5.012228	4.918728
MRPL37	ENSG00000116221	-0.37012	6.844399	-8.33858	1.68E-07	1.21E-06	6.954463	7.250254	7.330866	7.24158	6.981377	6.95991	7.018455	7.225954	7.328612	7.314845	6.736579	6.639255	6.804926	6.299316	6.291205	6.259615	6.677344	6.508398	6.571775
ICMT	ENSG00000116237	0.154683	6.716732	1.333976	0.199334	0.252254	-6.92217	6.115462	6.148217	6.122779	6.829226	6.813633	6.80232	6.872167	6.964651	6.876233	6.822571	6.853789	6.869883	6.575183	6.609161	6.551355	7.166778	7.100305	7.068114
RPL22	ENSG00000116251	-0.23901	8.222112	-6.36364	6.20E-06	2.62E-05	3.116045	8.693561	8.683521	8.647463	8.316576	8.339366	8.312179	8.469368	8.508698	8.502326	8.051837	8.052736	7.972582	7.874454	7.909355	7.908333	7.962658	7.91205	7.972725
QSOX1	ENSG00000116260	0.32396	8.202114	4.535195	0.000274	0.000722	-0.76837	7.95087	7.965603	8.018109	8.002995	8.032187	8.000646	8.338416	8.258821	8.333813	7.933674	7.967705	7.975895	8.545069	8.510162	8.54462	8.502137	8.472668	8.376909
STXBP3	ENSG00000116266	0.169189	5.373917	3.36921	0.00353	0.00695	-3.04299	5.2241	5.164879	5.204319	5.420792	5.270617	5.331249	5.257962	5.380521	5.291723	5.538326	5.540693	5.416316	5.595861	5.766058	5.664984	5.396376	5.401238	5.507891
PHF13	ENSG00000116273	-0.16986	4.44812	-2.87832	0.010219	0.017993	-3.91011	4.088441	4.262405	4.388298	4.272916	4.258538	4.233737	4.321396	4.212157	4.288067	4.81954	4.842882	4.859824	4.568067	4.585115	4.621173	4.969919	4.822959	4.874064
ERRFI1	ENSG00000116285	-0.08717	8.183682	-1.11014	0.281977	0.342884	-7.30243	8.486362	8.44242	8.401225	8.127014	7.964469	8.088781	8.572936	8.60008	8.634113	7.874903	7.85685	7.83978	8.030982	8.044296	8.069269	8.099471	8.130296	8.136817
PARK7	ENSG00000116288	-0.03148	7.725496	-1.05083	0.307651	0.370153	-7.33905	7.816078	7.859165	7.77407	7.845017	7.843779	7.816664	7.830881	7.896066	7.887626	7.647554	7.613339	7.646805	7.565493	7.534405	7.577516	7.702921	7.632095	7.696619
ELAPOR1	ENSG00000116299	-0.7281	0.406245	-2.20196	0.041362	0.062692	-4.25545	2.548084	1.978677	2.194417	1.393812	1.164793	0.909432	0.983587	1.231675	1.314712	0.934589	1.300837	1.158083	1.186687	1.077171	1.456457	0.457048	0.975239	1.058313
AMPD2	ENSG00000116337	0.454962	5.758526	6.077679	1.09E-05	4.28E-05	2.747491	5.720169	5.620197	5.736621	6.248061	6.364945	6.248587	5.601686	5.499594	5.570437	5.608358	5.602884	5.510708	5.957922	5.786458	5.955152	5.629975	5.739082	5.751822
SRSF4	ENSG00000116350	-0.39584	5.898244	-7.90763	3.54E-07	2.27E-06	6.274628	6.189761	6.099413	6.135406	5.49519	5.754503	5.572123	6.09271	6.020078	5.975483	6.001504	6.017092	6.051671	5.72145	5.784769	5.74193	6.008681	5.983288	5.973944
MECR	ENSG00000116353	-0.28358	4.712949	-2.93062	0.009137	0.01628	-3.83453	5.089762	5.099019	5.041355	4.316764	4.529983	4.372816	4.980658	4.722281	4.674259	4.930021	4.761819	4.745417	4.779762	4.811013	4.836082	4.644018	4.773297	4.740203
KCNC4	ENSG00000116396	-0.12293	-0.93997	-0.34425	0.734762	0.777844	-6.14448	2.629805	2.71221	2.848472	2.577385	2.57804	2.904994	2.186178	2.220554	2.34318	0.190076	0.106501	0.230035	0.106501	0.106501	0.263213	0.183756	0.106501	0.106501
EDEM3	ENSG00000116406	0.284664	6.864663	2.740394	0.013698	0.023372	-4.51954	6.629166	6.682141	6.621703	7.339089	7.14235	7.282651	7.590075	7.548584	7.547526	6.547499	6.651423	6.472617	6.497497	6.519589	6.537033	6.736232	6.74945	6.707562
WDR77	ENSG00000116455	-0.2963	5.309847	-4.9208	0.00012	0.000347	0.368852	5.403266	5.346137	5.204319	4.845887	4.831037	4.899045	5.342749	5.302366	5.330179	5.536332	5.535075	5.702902	5.373851	5.331874	5.532641	5.571885	5.558198	5.607985
ATP5PB	ENSG00000116459	-0.16718	7.230456	-5.43801	4.02E-05	0.000134	1.25692	7.320388	7.350364	7.317153	7.251428	7.183413	7.182701	7.261476	7.204053	7.26939	7.391411	7.303232	7.33001	7.107375	7.175659	7.13174	7.163205	7.209698	7.174073
RAP1A	ENSG00000116473	-0.10699	5.344661	-2.58629	0.018926	0.031164	-4.67021	5.259834	5.151261	5.234814	5.112883	5.019069	5.046319	4.998191	5.197177	5.126746	5.730282	5.676181	5.652722	5.565727	5.610755	5.664984	5.546516	5.665153	5.607985
HDAC1	ENSG00000116478	-0.32854	6.660982	-8.40938	1.49E-07	1.10E-06	7.069101	6.361064	6.46679	6.274002	5.92161	5.921921	6.081451	6.311847	6.361757	6.369368	7.23171	7.203454	7.26469	6.955868	6.918885	6.976233	7.197954	7.188879	7.1682
CAPZA1	ENSG00000116489	-0.49079	7.760467	-10.7528	3.95E-09	5.60E-08	10.76576	8.032016	8.048287	7.942116	7.397428	7.425624	7.357731	7.822704	7.833822	7.798244	8.022924	7.971177	8.004295	7.588531	7.680987	7.592368	7.747337	7.750946	7.796821
S100PBP	ENSG00000116497	0.148854	4.92493	1.582077	0.131558	0.175678	-6.34847	5.053202	4.965333	4.913139	5.460427	5.355198	5.435149	4.576101	4.562048	4.459769	5.133727	5.061869	5.041557	4.96202	5.006281	5.068941	4.868275	4.664642	4.946447
RNF19B	ENSG00000116514	-0.55542	5.220831	-6.63066	3.69E-06	1.68E-05	3.957991	5.631194	5.816305	5.790077	4.960893	4.789085	4.93257	5.444307	5.327507	5.427983	5.380501	5.338363	5.376759	5.121745	4.925808	5.128745	5.046891	5.109777	5.150886
SCAMP3	ENSG00000116521	0.225126	7.47004	4.041834	0.000806	0.00187	-1.79619	7.568522	7.54842	7.60863	7.794739	7.877773	7.818586	7.85994	7.728442	7.823175	7.235404	7.124594	7.235501	7.458447	7.331288	7.375539	7.073437	7.090924	7.061792
TRIM62	ENSG00000116525	1.006083	2.861846	7.776786	4.45E-07	2.74E-06	6.42526	2.109269	2.09705	1.853768	3.325575	3.441741	3.335661	1.762502	2.069791	1.564539	3.420635	3.486521	3.630629	4.404034	4.225504	4.247105	3.623987	3.529023	3.679412
ASH1L	ENSG00000116539	0.215869	7.406322	2.870673	0.010387	0.01826	-4.31218	7.273483	7.344393	7.437839	7.585725	7.546565	7.790129	7.851122	7.79304	7.804327	7.218087	7.332677	6.957961	7.294942	7.291995	7.32808	7.177442	7.175286	7.271215
SFPQ	ENSG00000116560	-0.43726	8.67597	-11.387	1.63E-09	2.76E-08	11.63153	8.89111	8.920212	8.901427	8.434708	8.291337	8.346341	8.670932	8.69691	8.726311	8.825371	8.833991	8.812495	8.500962	8.477599	8.484437	8.780129	8.829253	8.810126
RHOU	ENSG00000116574	1.336461	-0.26395	4.289026	0.000469	0.001157	0.043538	2.933205	2.9974	2.848472	4.082842	4.061165	4.121933	3.586698	3.672864	3.218306	0.190076	0.106501	0.106501	0.234608	0.416769	0.186984	0.183756	0.106501	0.106501
GON4L	ENSG00000116580	0.306252	6.20697	6.817244	2.59E-06	1.24E-05	4.162056	5.903856	5.772502	5.83942	6.080123	6.061883	6.158358	6.020192	5.902309	5.934468	6.421317	6.467021	6.302729	6.697651	6.7229	6.748219	6.318033	6.348028	6.394816
ARHGEF2	ENSG00000116584	-1.03537	6.698953	-8.41591	1.48E-07	1.09E-06	7.101451	7.613159	7.578621	7.693415	6.149661	6.329843	6.202215	6.686381	6.71605	6.675138	6.825024	6.804824	6.830163	6.155989	6.23912	6.015629	6.774976	6.789258	6.773159
LAMTOR2	ENSG00000116586	0.204947	6.114283	3.245181	0.004628	0.008876	-3.4107	6.285853	6.187107	6.170885	6.149661	6.198646	6.213949	6.095427	6.048077	5.961941	6.025878	5.876072	6.020994	6.427169	6.320645	6.336612	6.093708	5.998805	6.032387
MEF2D	ENSG00000116604	-0.32521	6.506474	-5.00109	0.000101	0.000298	0.416523	7.205144	7.172201	7.221418	6.728936	6.801626	6.789308	7.188262	7.158078	7.270489	6.111435	6.118253	6.184564	6.002473	5.933952	5.833849	5.933785	5.851038	5.928999
DOCK7	ENSG00000116641	-0.1949	5.621683	-3.63483	0.001972	0.004155	-2.4607	6.172821	6.14993	6.225897	5.98549	6.005424	6.166432	6.020192	6.191911	6.051618	5.362601	5.456014	5.267448	5.036421	5.082502	5.188613	5.141909	5.048468	5.207621
SRM	ENSG00000116649	-0.15941	7.144959	-2.02689	0.058208	0.085258	-5.91053	7.168012	7.202228	7.253213	7.26604	7.343118	7.221967	7.249325	7.135716	7.165698	7.224915	7.030564	7.291528	6.921181	6.79179	6.766341	7.290911	7.243308	7.233943
FBXO2	ENSG00000116661	-0.62308	1.379661	-1.90096	0.073927	0.105441	-4.89037	2.996191	2.90305	2.94999	1.634586	1.498102	1.623325	2.545421	2.147141	2.202855	1.116489	1.228418	1.49011	1.548989	1.738515	1.826726	1.708352	1.406038	1.703111
FBXO6	ENSG00000116663	-1.00954	1.922689	-3.96898	0.000946	0.002157	-0.86551	3.662849	3.608619	3.511328	2.181668	2.229385	2.22781	2.779728	3.083395	3.00245	1.586365	1.435603	1.696985	1.446877	1.738515	1.355599	2.095813	1.930959	2.226823
C1orf21	ENSG00000116667	0.34195	5.431917	1.468603	0.159709	0.207909	-6.47808	6.061262	6.185438	6.089793	6.288261	6.216843	6.284269	7.018237	7.014526	6.992692	4.464232	4.479316	4.385707	4.98725	5.026432	5.017597	3.962207	3.992947	4.108904
SWT1	ENSG00000116668	0.790578	1.70333	5.323591	5.11E-05	0.000165	1.955345	2.109269	2.206444	2.248556	2.457149	2.520598	2.374422	2.01302	2.184314	2.047395	1.732907	1.588084	1.780195	2.452975	2.811056	2.513282	1.759719	1.547811	1.739782
MAD2L2	ENSG00000116670	-0.67059	4.520201	-8.4676	1.35E-07	1.01E-06	7.513415	5.291568	5.358041	5.231457	4.647264	4.860273	4.67402	5.021241	4.819999	5.03142	4.447347	4.331577	4.606974	3.714069	3.826433	3.767168	4.390642	4.414575	4.150354
DNAJC6	ENSG00000116675	0.138802	5.012429	1.053136	0.306621	0.369008	-7.02717	5.343965	5.303682	5.3383	4.797189	4.97698	4.772519	4.723921	4.949799	4.831463	4.974897	4.945274	4.862213	5.541158	5.415021	5.519102	4.891489	4.949728	4.918728
LEPR	ENSG00000116678	0.706516	4.179401	7.6656	5.42E-07	3.26E-06	6.18215	4.296689	4.223893	4.307715	4.797189	4.888929	4.93257	5.324334	5.281075	5.197793	3.058725	3.447177	3.332842	4.037603	3.970091	4.002193	3.871719	3.896833	3.969186
IVNS1ABP	ENSG00000116679	0.298763	6.717869	3.071675	0.006744	0.012439	-3.83702	6.333889	6.252341	6.283758	6.757855	6.804637	6.80232	7.003844	7.13453	7.071735	6.693372	6.768574	6.655912	6.836005	6.815972	6.81938	6.718492	6.635939	6.790741
KIAA2013	ENSG00000116685	0.086318	6.638586	1.327756	0.20134	0.254408	-6.9396	6.43397	6.477742	6.434415	6.491324	6.738471	6.52934	6.29303	6.168913	6.269562	6.788619	6.759769	6.977927	6.962822	6.855932	6.862903	7.007235	6.913171	6.801623
MFN2	ENSG00000116688	-0.44294	7.464885	-12.5393	3.61E-10	8.32E-09	13.26387	7.644832	7.586232	7.564626	7.111553	7.104976	7.203449	7.24566	7.27146	7.252803	7.832047	7.791198	7.839174	7.455163	7.348541	7.383032	7.638775	7.586608	7.661211
MIIP	ENSG00000116691	-0.10355	3.749916	-1.40317	0.178083	0.22859	-6.31396	3.719942	3.695626	3.717332	3.392671	3.546181	3.391835	3.80164	3.946081	3.90213	3.950439	3.896014	4.116262	4.028794	3.826433	4.104162	4.203908	4.156841	4.051715
SMG7	ENSG00000116698	-0.06513	7.908295	-2.07594	0.05295	0.078298	-5.89145	7.822066	7.884078	7.849906	7.701062	7.755503	7.769737	7.908653	7.842569	7.859417	8.029675	8.042212	8.009154	7.993838	7.968207	8.037401	7.95407	8.012549	8.021011
NCF2	ENSG00000116701	-1.67356	1.751973	-9.1558	4.38E-08	4.00E-07	8.835195	1.791852	2.009193	1.921989	0.258133	0.389229	0.657796	0.670238	0.387194	0.735084	4.592639	4.616873	4.783729	3.281595	3.131201	3.326666	4.166333	4.288934	4.286716
SLC35D1	ENSG00000116704	0.697394	4.860793	6.260071	7.60E-06	3.13E-05	3.339448	4.433832	4.412648	4.48731	5.396478	5.492239	5.605169	5.736627	5.876989	5.88366	4.119853	4.382523	4.136142	4.47385	4.488812	4.519937	5.069967	5.012228	4.95427
PLA2G4A	ENSG00000116711	1.43487	4.962135	5.874166	1.64E-05	6.11E-05	2.561157	4.859306	4.765319	4.701394	6.977285	6.889334	6.834346	5.943836	6.128954	5.91773	3.944434	4.013804	4.104202	4.241981	4.420842	4.165038	4.175819	4.211138	4.087723
GADD45A	ENSG00000116717	-1.35142	5.742447	-5.19995	6.62E-05	0.000206	0.991435	7.621299	7.738565	7.744939	5.514147	5.49597	5.503669	6.577851	6.540823	6.601937	4.845549	5.022258	5.28714	4.8288	4.797675	4.99542	5.010245	4.927198	4.922721
WLS	ENSG00000116729	0.455982	5.937489	4.125825	0.00067	0.001587	-1.46973	5.163648	5.081176	5.134153	5.944151	5.690831	5.875244	6.037254	6.107342	6.059269	6.095267	6.14923	6.197867	6.394967	6.402221	6.448996	6.178727	6.137047	6.23221
PRDM2	ENSG00000116731	-0.11057	5.320127	-2.41686	0.026843	0.042608	-4.96703	5.611213	5.622666	5.555197	5.380038	5.415531	5.484421	5.63569	5.364416	5.420081	5.29814	5.288033	5.303055	5.22369	5.23377	5.253122	5.132197	5.132464	5.077574
RGS2	ENSG00000116741	1.284422	6.531122	3.641958	0.001941	0.004099	-2.24098	8.441803	8.39446	8.345258	10.24985	10.05722	10.14001	10.10919	10.13687	10.15932	4.076585	3.981119	4.046548	3.173846	3.233802	3.21594	3.711377	3.587665	3.698167
RPE65	ENSG00000116745	-0.17031	-0.9998	-0.8047	0.431802	0.49642	-5.91065	2.9807	2.836538	3.013906	2.791417	2.660129	2.805104	3.879385	4.060466	3.82044	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RO60	ENSG00000116747	0.262696	5.974903	2.607649	0.018102	0.029942	-4.67571	5.691909	5.877545	5.776322	6.31012	6.177895	6.239048	6.635005	6.66765	6.694921	5.698525	5.727989	5.684119	5.710474	5.857276	5.740264	5.824952	5.755617	5.915037
UCHL5	ENSG00000116750	-0.65814	6.675418	-15.2746	1.51E-11	8.43E-10	16.61312	7.194272	7.210458	7.168866	6.725687	6.622106	6.650856	7.132461	7.147529	7.11765	6.687093	6.661772	6.742104	5.896296	5.984858	5.905471	6.517732	6.513809	6.552579
BCAS2	ENSG00000116752	-0.28085	5.719803	-6.02613	1.21E-05	4.69E-05	2.62883	5.38573	5.590232	5.384366	5.062262	5.075006	5.114677	5.277239	5.323347	5.459165	6.332149	6.320129	6.265309	6.057648	6.050991	6.13582	6.30188	6.145437	6.20624
SRSF11	ENSG00000116754	0.022482	6.784973	0.321984	0.751284	0.792574	-7.77959	6.66474	6.637665	6.631923	6.911603	6.873648	6.927555	6.445657	6.680716	6.639853	6.91835	6.96661	6.957961	6.770139	6.772319	6.7923	6.866418	6.931076	6.984636
CTH	ENSG00000116761	0.250708	5.111281	0.750603	0.462878	0.526495	-7.09245	5.557407	5.562207	5.503257	6.312288	6.173243	6.33171	7.745219	7.635034	7.724771	4.237473	4.190981	4.224215	3.251622	3.410675	3.335521	3.98397	4.017531	3.999746
AGMAT	ENSG00000116771	-1.08992	2.280301	-6.20485	8.48E-06	3.44E-05	3.614436	2.137484	2.232543	2.514675	1.933905	2.229385	2.029614	2.446718	2.029503	1.620777	3.496465	3.501964	3.464463	2.225168	2.48471	2.200805	3.447271	3.422593	3.107809
OLFML3	ENSG00000116774	0.888188	-1.45584	1.907549	0.073019	0.104345	-4.49497	1.12723	1.465573	1.78216	2.633943	2.520598	2.532704	1.816207	2.108984	1.826075	0.106501	0.185134	0.16959	0.106501	0.106501	0.106501	0.257084	0.106501	0.106501
CFHR3	ENSG00000116785	1.257671	0.847567	4.929686	0.000117	0.000341	1.25251	1.069823	1.226787	0.829201	1.978268	1.909591	1.310092	1.588238	1.901414	1.962896	1.073118	1.55885	1.094478	2.062048	2.23054	1.970087	1.214313	1.2488	1.461048
PLEKHM2	ENSG00000116786	0.174797	6.103431	2.664168	0.016083	0.026959	-4.62658	5.97203	5.902145	5.982065	5.842822	5.919145	5.835287	5.736627	5.689327	5.770134	6.187125	6.203367	6.27789	6.626447	6.532731	6.572108	6.39518	6.46325	6.349562
CRYZ	ENSG00000116791	-0.25003	5.236398	-4.08701	0.00073	0.001713	-1.48536	5.142921	5.140963	4.994599	4.839889	4.675247	4.829562	4.428731	4.59693	4.542164	5.855556	5.936987	5.876026	5.553494	5.764345	5.756839	5.6708	5.695942	5.701584
PHTF1	ENSG00000116793	0.902061	4.185024	9.721446	1.81E-08	1.93E-07	9.624722	4.02189	4.058659	3.987862	5.227586	5.075006	5.063714	4.83866	4.825892	4.849226	3.60703	3.5985	3.619375	4.207266	4.303069	4.088533	3.877544	3.896833	3.725851
ZBTB17	ENSG00000116809	0.689572	4.295423	10.80043	3.69E-09	5.35E-08	11.16237	3.520128	3.472886	3.717332	4.316764	4.167908	4.249025	4.174919	3.879643	4.00079	4.480922	4.591835	4.554757	5.250459	5.178243	5.13383	4.720549	4.751478	4.577525
CD58	ENSG00000116815	0.178476	4.535708	1.329138	0.200893	0.253956	-6.60024	4.006674	3.96057	4.188143	4.971905	4.635214	4.960699	4.384974	4.436718	4.592248	4.759247	4.777766	4.830842	4.580176	4.577331	4.569568	4.730238	4.877699	4.96205
TTF2	ENSG00000116830	-0.46512	5.178245	-3.54557	0.002399	0.004937	-2.6391	5.071598	5.044814	5.16615	5.232173	5.239802	5.223158	4.751751	4.61746	4.694053	5.800109	5.793771	5.831609	4.91976	5.076992	5.014844	5.444259	5.489561	5.549799
NR5A2	ENSG00000116833	0.165513	0.926521	1.022682	0.320406	0.383781	-6.14412	1.430644	1.465573	1.667608	1.933905	1.768674	1.993763	0.782422	1.001115	0.925731	1.840286	1.827525	2.021603	1.818016	2.016959	1.775589	1.627702	1.118494	1.504318
KIF21B	ENSG00000116852	-1.34875	1.928767	-9.52917	2.44E-08	2.45E-07	9.481012	2.245129	1.81559	2.109199	1.457877	1.373859	1.055701	1.240874	1.901414	1.50602	3.765279	3.532361	3.339716	2.357702	2.381211	2.220059	3.39949	3.287607	3.176297
TMEM9	ENSG00000116857	0.641543	7.365038	4.862987	0.000135	0.000387	0.014465	7.060678	7.019428	7.038566	8.278277	8.201667	8.173344	7.646756	7.528849	7.594798	7.165499	7.125841	7.124446	7.319981	7.238706	7.212068	7.0132	7.007471	6.990354
ADPRS	ENSG00000116863	-0.30145	5.261454	-5.28083	5.59E-05	0.000178	1.132637	5.023273	5.059469	5.064177	4.479932	4.56592	4.549901	5.009762	4.905964	4.807433	5.740714	5.766859	5.864156	5.615116	5.593492	5.638396	5.977832	5.934095	5.843128
MAP7D1	ENSG00000116871	0.297321	6.813222	3.976108	0.000931	0.002129	-1.91433	6.507427	6.653448	6.686875	6.702735	6.749451	6.689188	6.143489	5.929932	6.099406	6.972464	7.027899	7.148135	7.521426	7.486893	7.478561	7.104192	7.034825	6.950822
WARS2	ENSG00000116874	-0.03804	4.241958	-0.51694	0.611675	0.667593	-7.28579	4.553837	4.47956	4.600923	4.375995	4.240862	4.233737	4.143751	3.999201	4.198517	4.341661	4.265255	4.358889	4.580176	4.312477	4.411058	4.240529	4.178806	4.229846
OSCP1	ENSG00000116885	1.10728	2.812231	10.40893	6.48E-09	8.30E-08	10.76484	2.668993	2.76681	2.579475	3.142765	3.502343	3.377995	2.412257	2.894433	2.408535	2.708071	2.900983	2.714318	4.028794	3.766081	3.962731	2.901634	2.799093	2.84714
MRPS15	ENSG00000116898	-0.56313	6.270125	-13.6587	9.23E-11	3.09E-09	14.77412	6.895997	6.983377	6.959619	6.377922	6.289573	6.306359	6.57201	6.478589	6.579055	6.265076	6.169921	6.312371	5.79473	5.743628	5.73358	5.991326	5.849327	5.91904
EXOC8	ENSG00000116903	-0.21296	4.806948	-3.05399	0.007007	0.012872	-3.50279	5.876913	5.725032	5.787794	5.569568	5.529116	5.481188	5.683433	5.833775	5.760779	4.092963	4.147458	4.249986	4.163669	3.970091	4.007743	3.951202	3.910024	3.897964
GNPAT	ENSG00000116906	-0.17246	6.054515	-2.03135	0.057711	0.08461	-5.75831	6.874155	6.876741	6.864229	6.430757	6.415061	6.453835	6.456267	6.581449	6.348704	5.558123	5.461948	5.504604	5.594369	5.659495	5.629423	5.66239	5.547687	5.491856
TSNAX	ENSG00000116918	-0.13441	5.731878	-2.17842	0.043332	0.065385	-5.44703	6.258816	6.261877	6.195211	6.213684	6.066908	6.164417	6.362363	6.303819	6.30432	5.411303	5.423946	5.41143	5.111351	5.417203	5.195925	5.119964	5.282007	5.201061
C1orf109	ENSG00000116922	-0.41674	5.142976	-5.75968	2.07E-05	7.43E-05	2.202677	5.443372	5.413282	5.37527	5.004446	4.813207	4.751204	5.374422	5.557409	5.383978	5.346754	5.169742	5.344656	5.064709	4.919664	4.981384	5.168285	5.118327	5.102428
RRAGC	ENSG00000116954	0.592637	3.829873	6.878411	2.30E-06	1.12E-05	4.670717	3.465529	3.494617	3.384088	4.342447	4.120365	4.113606	3.761137	3.711575	4.00079	4.043261	3.830249	3.91004	4.36607	4.269646	4.444184	3.717885	4.005291	3.823043
NA	ENSG00000116957	-0.0982	5.623604	-1.23608	0.232784	0.289542	-6.8706	6.313939	6.429199	6.304671	6.100335	6.084358	6.087841	6.179794	6.265306	6.220361	5.230663	5.155166	5.170532	5.289704	5.308554	5.188613	4.752597	4.907602	4.82371
NID1	ENSG00000116962	0.764904	-1.08265	2.303828	0.033752	0.05231	-3.84993	1.719036	1.81559	1.921989	2.714828	2.520598	2.845893	3.004565	2.848856	2.869505	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.19538	0.214669
LGALS8	ENSG00000116977	0.639899	6.524341	7.282017	1.09E-06	5.89E-06	5.106861	6.977275	7.123343	7.005539	7.749061	7.630413	7.749053	7.82598	7.935437	7.831391	5.230663	5.35759	5.240153	5.861989	5.868482	5.773225	5.402449	5.583118	5.663916
MTR	ENSG00000116984	-0.47276	5.193307	-7.55785	6.58E-07	3.83E-06	5.757714	6.033379	6.125763	6.170885	5.737065	5.600158	5.738416	5.324334	5.640007	5.451432	5.109782	5.167323	4.913796	4.583188	4.51757	4.550681	4.504182	4.605057	4.494122
BMP8B	ENSG00000116985	0.253222	2.16978	1.770002	0.094168	0.130777	-5.35868	2.320899	2.09705	2.221741	2.325974	2.904251	2.763128	2.724622	2.147141	2.239236	2.320032	2.338281	2.473063	2.42639	2.363215	2.528806	2.807136	2.770449	2.742606
MYCL	ENSG00000116990	-0.02387	0.180507	-0.113	0.911319	0.927535	-6.68149	0.587539	0.410755	0.898566	0.841981	1.006428	0.3528	0.782422	0.253663	0.256032	2.100009	2.155072	2.16783	2.009285	1.993753	2.257813	1.85727	1.795362	1.844513
SIPA1L2	ENSG00000116991	0.540516	4.994441	3.781384	0.001429	0.003101	-2.03906	5.093368	4.988492	5.05661	6.082665	6.061883	6.156332	5.347317	5.310795	5.278673	4.721121	4.702905	4.765977	4.642137	4.66441	4.782046	4.365992	4.318914	4.45054
RLF	ENSG00000117000	0.290112	4.822586	6.137995	9.68E-06	3.86E-05	3.0175	4.450796	4.164126	4.255791	4.591236	4.485643	4.586466	4.877071	4.715948	4.923769	4.908591	4.936777	4.892917	5.148423	5.236244	5.215244	5.46375	5.480747	5.43987
KMO	ENSG00000117009	-1.60761	0.545321	-3.88262	0.001143	0.002544	-0.80703	5.170492	5.372784	5.251481	3.456785	3.832443	3.59692	4.154215	4.090149	4.243986	0.190076	0.259702	0.16959	0.106501	0.345231	0.263213	0.183756	0.19538	0.409347
ZNF684	ENSG00000117010	0.28079	1.219787	2.100974	0.050436	0.074993	-4.59937	1.475543	1.591918	1.146821	1.519216	1.556428	1.526279	1.70672	1.945386	1.826075	1.76051	1.644832	1.839597	1.954519	1.819936	2.141451	2.055273	2.274787	1.910335

RIMS3	ENSG00000117016	0.998453	1.604761	7.438131	8.17E-07	4.61E-06	6.008985	1.286899	1.420874	1.202741	1.634586	1.718467	2.455733	1.240874	1.430416	1.171446	2.392392	2.23117	2.120715	3.157774	2.985883	3.085545	2.494877	2.601856	2.830235
AKT3	ENSG00000117020	0.556919	4.50152	4.549126	0.000266	0.000703	-0.18852	5.240453	5.32203	5.187095	5.640298	5.687572	5.581211	5.08826	5.25073	5.165072	3.275122	3.373534	3.247691	4.163669	4.034047	3.962731	3.97856	4.047684	4.163911
ETV3	ENSG00000117036	-0.73535	5.746817	-12.0001	7.21E-10	1.45E-08	12.68613	6.016387	5.942235	6.054137	5.077635	5.133653	5.055043	5.56294	5.633301	5.709835	6.312469	6.368317	6.332326	5.740459	5.706642	5.768329	5.872395	5.782762	5.886702
ACADM	ENSG00000117054	-0.15421	5.500328	-1.77252	0.093737	0.130305	-6.13215	5.750171	5.694843	5.678645	5.529135	5.244245	5.590242	5.791286	5.807211	5.725949	5.59692	5.531317	5.596435	5.456648	5.503938	5.530714	5.17303	5.203826	5.194471
ST6GALNA	ENSG00000117069	0.979729	1.821161	8.574025	1.13E-07	8.73E-07	7.774673	0.882475	0.875715	0.756332	1.634586	1.612488	1.714252	0.670238	0.387194	0.256032	3.851231	3.695711	3.95997	4.750591	4.749998	4.681452	3.588914	3.713375	3.716682
ADGRL2	ENSG00000117114	0.643469	5.218438	7.924192	3.44E-07	2.21E-06	6.36527	4.749336	4.843609	4.763138	5.720837	5.827376	5.669075	4.751751	4.690335	4.66091	5.346754	5.384916	5.29777	5.722816	5.754024	5.789427	5.212738	5.31709	5.171166
PADI2	ENSG00000117115	-0.22908	3.076408	-1.94769	0.067699	0.097561	-5.70858	1.681202	1.744817	1.54317	1.022291	1.006428	1.055701	0.983587	1.231675	1.244857	5.339908	5.617135	5.320535	5.286012	5.175668	5.301375	6.559094	6.476611	6.458081
SDHB	ENSG00000117118	-0.25142	6.383248	-4.32693	0.000432	0.001076	-1.06835	6.561793	6.546977	6.530413	6.168929	6.135476	6.004722	6.591391	6.598762	6.633033	6.415903	6.334216	6.420884	6.297483	6.287632	6.319977	6.490433	6.410854	6.471771
MFAP2	ENSG00000117122	1.502735	-1.02326	10.40636	6.51E-09	8.31E-08	10.74427	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.964162	1.725977	1.951531	3.27416	3.301515	3.157218	2.652661	2.465551	2.252429
RPF1	ENSG00000117133	-0.2436	5.86655	-5.26533	5.77E-05	0.000183	1.01048	5.703751	5.612764	5.808216	5.363409	5.221894	5.35617	5.478019	5.427787	5.50844	6.396241	6.324478	6.400482	6.204712	6.248953	6.234982	6.244437	6.27216	6.265602
KDM5B	ENSG00000117139	0.975588	6.289358	15.68769	9.76E-12	6.23E-10	17.07286	5.948335	6.006041	6.063606	6.781518	6.685551	6.731979	6.205178	6.225736	6.240692	5.754507	5.865664	5.721443	6.946543	6.94936	6.918472	6.193979	6.131427	6.193077
UAP1	ENSG00000117143	-0.19784	5.855304	-1.81434	0.086829	0.121639	-6.11238	6.527556	6.499401	6.421217	5.92161	6.071915	5.850401	5.863212	6.073067	5.836943	5.42646	5.617135	5.600733	5.71185	5.681447	5.624013	5.650532	5.727952	5.760771
CTBS	ENSG00000117151	0.410965	4.836562	6.143123	9.58E-06	3.82E-05	3.104321	5.278958	5.343146	5.437772	5.800209	5.565074	5.791585	5.747035	5.673074	5.515873	3.938405	3.986619	4.03812	4.369563	4.303069	4.591911	4.189932	4.288934	4.242679
KLHL12	ENSG00000117153	-0.30972	6.061897	-4.15431	0.00063	0.001501	-1.40303	6.66474	6.823	6.6881	6.166534	6.175571	6.135919	6.323484	6.234624	6.229433	5.855556	5.818649	5.954255	5.798622	5.806573	5.857096	5.596816	5.613675	5.782904
SSX2IP	ENSG00000117155	-0.19814	4.678829	-3.11066	0.006199	0.011536	-3.41566	4.905158	4.973094	4.799861	4.746789	4.801196	4.849758	5.060712	4.911516	5.18386	4.505601	4.637993	4.572373	4.417596	4.225504	4.261115	4.823714	4.740443	4.849107
ZNHIT6	ENSG00000117174	-0.11149	6.270378	-0.72321	0.479117	0.542582	-7.53163	6.241047	6.268199	6.227583	5.316663	5.279302	5.384134	5.547145	5.633301	5.616111	6.881112	6.774149	6.849558	7.261962	7.180164	7.199997	6.432259	6.500789	6.655731
RBBP5	ENSG00000117222	-0.11365	5.497225	-1.84784	0.081621	0.11509	-5.99013	6.031501	5.891946	5.785507	5.724097	5.600158	5.850401	5.928678	5.981	5.709835	5.295783	5.14044	5.306568	5.267409	5.101623	5.212843	5.233327	5.211838	5.280993
GBP3	ENSG00000117226	0.262039	3.428759	4.831828	0.000145	0.00041	0.20972	1.719036	1.327092	1.146821	1.688986	1.556428	1.669505	1.240874	1.301009	1.564539	5.904318	5.906851	6.024198	6.181053	6.214238	6.196617	6.060808	6.13424	6.20624
GBP1	ENSG00000117228	0.297355	4.58921	5.360632	4.73E-05	0.000154	1.265667	2.744313	2.748839	2.681399	2.633943	2.948483	3.119801	2.513265	2.871824	2.202855	6.645134	6.580465	6.648318	6.887468	6.942559	6.962008	6.498961	6.658586	6.685409
PINK1-AS	ENSG00000117242	0.120233	2.942902	0.99248	0.334506	0.398249	-6.56303	2.933205	2.91921	3.204003	3.273122	3.34578	3.472196	3.457463	3.043491	2.82232	3.246125	2.804649	3.247691	3.091636	3.054776	2.976553	3.113899	3.225651	3.050576
KIF17	ENSG00000117245	0.890957	0.025797	2.894464	0.009872	0.017459	-2.86711	1.12723	1.002471	1.406977	1.457877	1.087782	1.714252	1.160105	1.15884	1.244857	0.483018	0.748206	0.639567	1.248697	1.032323	1.320349	1.058946	1.2488	0.409347
GPR89A	ENSG00000117262	0.073076	3.66314	0.841367	0.411507	0.476473	-6.91528	3.349713	3.439663	3.28395	3.533117	3.546181	3.926609	3.66196	3.749274	3.890739	4.037631	3.896014	4.003908	3.946991	3.86531	3.886451	3.928936	4.111883	3.945834
CDK18	ENSG00000117266	0.086276	2.207481	0.661902	0.516667	0.578711	-6.91956	1.519087	1.670392	1.585853	0.841981	1.164793	0.984419	1.816207	1.760835	1.38134	3.702624	3.68898	3.733386	4.024369	3.927863	3.880413	3.951202	4.071361	3.68882
RAB29	ENSG00000117280	0.435251	4.512555	5.856284	1.70E-05	6.30E-05	2.581616	4.905158	4.945746	4.772407	5.277258	5.296516	5.223158	5.547145	5.404348	5.33439	3.666603	3.754913	3.834184	4.245787	4.179969	4.14503	3.945668	4.023613	3.999746
ECE1	ENSG00000117298	0.016494	8.133521	0.14164	0.888984	0.909024	-7.94274	7.816078	7.764512	7.741993	7.902981	7.967159	7.895282	7.327689	7.328612	7.357877	8.512338	8.499465	8.577367	8.475862	8.432467	8.442532	8.822831	8.830554	8.809048
HMGCL	ENSG00000117305	0.646566	4.878857	8.634413	1.02E-07	8.05E-07	7.69066	4.516725	4.372133	4.131643	4.944216	5.019069	5.046319	5.055139	4.971227	5.005251	4.85838	4.651904	4.864598	5.377325	5.370673	5.41643	5.057193	4.981317	5.102428
GALE	ENSG00000117308	-1.06287	6.526493	-8.33768	1.69E-07	1.21E-06	6.988457	7.55747	7.492818	7.526103	5.775282	6.121055	5.949645	6.848198	6.775114	6.826285	6.601919	6.546428	6.575205	6.02258	5.974523	6.003179	6.413338	6.415487	6.361377
ID3	ENSG00000117318	0.362394	7.098519	2.497983	0.022726	0.036737	-5.0209	7.958303	7.833815	7.861353	8.047267	8.223207	8.044018	7.774342	7.726868	7.798244	6.426711	6.424097	6.505084	6.934213	7.027851	6.93386	5.59328	5.637662	5.268497
CR2	ENSG00000117322	-0.83637	0.112945	-2.99165	0.008015	0.014483	-2.80531	0.41387	0.661886	0.964748	0.52061	0.828511	1.188496	0.782422	0.726566	0.39151	1.98771	2.011405	2.136592	1.218025	1.032323	1.284217	1.681967	1.613793	1.739782
CD46	ENSG00000117335	0.41212	8.710163	6.258801	7.62E-06	3.14E-05	2.879492	8.722953	8.801548	8.693628	9.398941	9.359921	9.427369	9.224992	9.243681	9.222323	8.186076	8.212913	8.151711	8.32234	8.349492	8.370316	8.324834	8.416004	8.421327
PRPF3	ENSG00000117360	-0.51276	6.619707	-8.09849	2.54E-07	1.71E-06	6.533803	6.495214	6.557339	6.493057	5.854769	5.930216	5.852905	6.695365	6.687205	6.732095	7.050009	7.071892	7.092753	6.664622	6.638447	6.642478	6.922433	7.005168	7.050889
APH1A	ENSG00000117362	0.14231	8.099147	1.725389	0.102093	0.140386	-6.50138	7.686009	7.736857	7.668809	7.401507	7.55553	7.485043	7.554966	7.629991	7.58069	8.463575	8.457509	8.498551	8.913931	8.86934	8.890713	8.536598	8.49855	8.460647
P3H1	ENSG00000117385	0.689681	5.415572	6.557617	4.25E-06	1.89E-05	3.885604	6.074092	6.241136	6.176132	7.152056	7.009034	7.051527	6.800697	6.672564	6.724095	4.237473	4.002991	4.278887	4.521727	4.264807	4.464508	4.23146	4.211138	4.229846
SLC2A1	ENSG00000117394	-0.34394	9.130058	-1.70378	0.106134	0.145255	-6.58143	9.182281	9.215715	9.25054	9.467654	9.615548	9.494648	8.963097	8.840273	8.885778	9.300858	9.37973	9.361581	8.38149	8.441875	8.399374	9.434329	9.404583	9.371471
EBNA1BP2	ENSG00000117395	-0.48811	7.305189	-4.43871	0.000338	0.000868	-0.92042	7.665567	7.659005	7.679318	6.585745	6.791038	6.701742	7.154781	7.19725	7.169238	7.52516	7.476407	7.553796	7.448985	7.438837	7.42771	7.433654	7.384671	7.373939
CDC20	ENSG00000117399	-2.29166	5.489997	-10.7743	3.83E-09	5.51E-08	11.09566	6.199831	6.120531	6.224209	4.694564	4.944587	4.798728	6.081788	6.063123	5.970082	6.315961	6.237208	6.380621	3.575762	3.253475	3.608189	6.388056	6.41433	6.380373
ARTN	ENSG00000117407	1.577516	3.25812	6.599235	3.92E-06	1.77E-05	4.421022	3.86199	3.896716	4.011539	5.730596	5.839171	5.686023	5.498697	5.314991	5.50844	1.704765	2.193623	1.73919	2.112949	2.10622	1.851631	2.173627	2.006592	1.942153
IPO13	ENSG00000117408	0.622787	5.494781	5.942123	1.43E-05	5.43E-05	2.562028	5.682365	5.734195	5.65879	6.689454	6.677361	6.592126	6.220196	6.063123	6.211233	4.864753	4.80914	4.81613	5.056064	5.034983	4.952895	4.894365	4.801884	4.806527
ATP6V0B	ENSG00000117410	0.207701	6.712369	2.177417	0.043417	0.065494	-5.56544	7.188384	7.178928	7.179356	7.734586	7.699176	7.689368	7.57555	7.497809	7.588642	6.007276	6.014403	6.151739	5.902337	5.907809	5.861701	6.068467	6.023291	5.847335
B4GALT2	ENSG00000117411	-0.39332	5.430374	-6.87297	2.33E-06	1.13E-05	4.442624	6.16256	6.13617	6.153254	5.687824	5.865364	5.602196	6.073542	6.166593	6.136045	4.92393	5.035583	5.047868	4.742532	4.54975	4.739314	5.237862	5.123998	5.03025
ERI3	ENSG00000117419	-0.19394	5.448476	-2.75326	0.013331	0.022808	-4.33017	6.001113	5.957964	5.83279	5.5623	5.586227	5.617001	5.383345	5.416115	5.338588	5.364851	5.35971	5.408164	5.404821	5.265605	5.290032	5.384153	5.294635	5.220652
AKR1A1	ENSG00000117448	0.426646	6.295594	3.599691	0.00213	0.004449	-2.66012	6.393597	6.343478	6.315808	6.396431	6.373081	6.358386	6.599072	6.577961	6.407834	6.005835	5.873106	5.954255	6.75018	6.604381	6.751531	5.912665	6.008036	6.041596
PRDX1	ENSG00000117450	-0.25296	9.457566	-7.63961	5.68E-07	3.39E-06	5.532868	10.36484	10.37936	10.34148	10.08816	10.11991	10.05218	10.47445	10.53525	10.46855	8.717053	8.636513	8.676911	8.404658	8.475507	8.468676	8.70943	8.680591	8.688187
PIK3R3	ENSG00000117461	0.224877	4.690638	3.19669	0.005143	0.009749	-3.3885	4.051848	4.184325	4.153091	4.199863	3.808643	3.982555	3.137083	3.506713	3.4839	5.691372	5.660785	5.671915	6.025904	5.986328	6.025238	5.408497	5.341637	5.383047
TSPAN1	ENSG00000117472	0.752915	5.049485	3.459561	0.002897	0.005836	-2.92811	3.903656	3.928996	3.745844	2.063099	1.996426	1.919272	2.884002	2.801791	2.77354	6.805281	6.907683	6.863935	7.941994	7.922856	7.979263	7.5926	7.63458	7.584531
BLZF1	ENSG00000117475	-0.17951	6.303409	-3.85969	0.001203	0.002656	-2.11872	5.966143	5.887846	5.750758	5.740289	5.818465	5.697212	5.863212	5.7022	5.729151	7.022485	7.003695	7.094278	6.810532	6.832416	6.827249	6.657168	6.69524	6.723671
SLC19A2	ENSG00000117479	0.198415	4.853719	1.442704	0.166786	0.215761	-6.49696	4.351916	4.543506	4.458888	4.960893	4.776871	4.844735	5.310366	5.314991	5.412136	5.057888	4.91387	4.983487	5.027605	5.02357	4.95577	4.76522	4.780497	4.815144
FAAH	ENSG00000117480	0.733797	1.721838	6.862271	2.37E-06	1.15E-05	4.717207	0.667115	0.410755	0.598525	1.393812	0.92021	0.563119	0.548589	0.915275	1.01237	3.956418	4.008408	3.819506	4.645023	4.513497	4.606616	3.917673	4.029668	3.976887
NSUN4	ENSG00000117481	-0.12763	5.405378	-2.41614	0.026882	0.042661	-4.9911	5.496078	5.421814	5.446484	5.380038	5.435093	5.556848	5.473848	5.427787	5.296047	5.583459	5.481554	5.57329	5.311659	5.324918	5.339289	5.526265	5.504857	5.344873
TMED5	ENSG00000117500	0.313254	7.121919	4.455803	0.000326	0.000842	-0.8528	6.950688	6.945416	6.956572	7.614996	7.426602	7.525623	7.518981	7.471735	7.51729	6.853341	6.839425	6.869289	6.898995	6.897162	6.967003	7.011876	7.096704	7.028832
DR1	ENSG00000117505	0.00014	6.141861	0.002941	0.997687	0.998108	-7.77063	5.851589	5.848305	5.867803	5.660858	5.634408	5.669075	5.853613	5.948957	5.845819	6.422397	6.44122	6.416014	6.537639	6.586072	6.550405	6.616821	6.612931	6.579383
CNN3	ENSG00000117519	0.22877	5.841884	1.923818	0.070819	0.101454	-5.97409	5.071598	5.099019	5.010354	5.863665	5.899563	5.870309	5.188389	5.268148	5.256657	6.375191	6.343889	6.453731	6.191945	6.226732	6.390715	6.456784	6.372058	6.313524
PRRC2C	ENSG00000117523	-0.14524	8.656659	-3.46046	0.002891	0.005826	-3.1559	8.794746	8.796636	8.870471	8.653968	8.577157	8.852215	8.79021	8.749402	8.720693	8.68365	8.731891	8.580998	8.540816	8.449091	8.508127	8.478377	8.547117	8.561079
F3	ENSG00000117525	-0.07343	6.033992	-0.67729	0.507087	0.569099	-7.58212	4.574623	4.435299	4.326715	3.827958	3.808643	3.991672	3.440463	3.605944	3.289427	8.140516	8.096943	8.275402	8.203094	8.17641	8.281176	8.40188	8.341588	8.387782
ABCD3	ENSG00000117528	-0.01143	6.195744	-0.12819	0.899459	0.917758	-7.74935	6.189761	6.308632	6.126398	6.367536	6.293865	6.468603	6.466799	6.487911	6.464636	6.278265	6.217467	6.300088	5.999094	6.201634	6.074994	5.912665	5.786343	5.946753
VAMP4	ENSG00000117533	0.6864	3.733597	7.788361	4.36E-07	2.70E-06	6.446936	3.498536	3.516026	3.88052	4.325376	4.186495	4.34463	4.245129	4.365678	4.41276	3.265521	3.423044	3.172678	3.983922	3.826433	3.81227	3.737235	3.620134	3.611778
DPH5	ENSG00000117543	-0.14831	4.660291	-2.07772	0.052767	0.078085	-5.42264	5.476884	5.343146	5.238162	5.180897	5.044764	5.076625	5.157514	5.160337	5.005251	4.232554	4.190981	4.428251	4.167687	4.354074	4.302347	4.349322	4.123255	4.157149
PTBP2	ENSG00000117569	-0.00935	2.982821	-0.09261	0.927268	0.940608	-7.10505	2.996191	2.76681	2.94999	2.999448	2.85862	3.086148	3.050103	3.250449	3.181386	3.463254	3.554746	3.283783	3.332595	3.272884	3.454098	3.094024	3.093137	3.228839
TNFSF4	ENSG00000117586	1.493163	-0.75019	4.773055	0.000164	0.000459	1.036794	1.561356	1.551021	1.30847	2.688367	2.549605	2.805104	1.966276	2.255906	2.309357	0.190076	0.185134	0.16959	0.294634	0.26996	0.335616	0.106501	0.2791	0.214669
PRDX6	ENSG00000117592	0.225108	8.462679	4.68901	0.000197	0.000537	-0.42549	9.076499	9.102192	9.009732	9.48	9.429844	9.414715	9.133751	9.204919	9.156076	7.70817	7.697483	7.693503	7.732473	7.753155	7.77961	7.673508	7.667479	7.702437
DARS2	ENSG00000117593	-0.39257	6.346235	-7.36511	9.33E-07	5.16E-06	5.236919	6.953666	6.990086	6.929899	6.426761	6.405176	6.422153	6.872167	6.831855	6.691642	6.088476	6.019777	6.174026	5.847033	5.845981	5.879974	6.047952	6.008036	6.139191
IRF6	ENSG00000117595	0.30738	4.057617	2.668114	0.015951	0.026756	-4.48891	2.965042	2.76681	2.720234	2.766336	2.398361	2.605775	1.317361	2.069791	1.674905	5.904318	5.992705	5.855788	6.347934	6.244045	6.274656	6.107404	6.241181	6.18645
UTP25	ENSG00000117597	-0.23992	6.478735	-3.29711	0.004133	0.008021	-3.3187	7.229924	7.187292	7.126124	6.614138	6.721046	6.810071	6.968703	6.842069	6.8906	6.165349	6.173542	6.112139	6.164057	6.156634	6.098594	5.933785	5.818179	5.921037
RCAN3	ENSG00000117602	-0.07461	5.388756	-1.47614	0.157696	0.205643	-6.54533	6.092225	6.125763	6.155027	6.046662	5.924691	5.921298	5.383345	5.557409	5.537947	5.141621	5.069663	5.202938	5.081845	5.213825	5.191054	4.598895	4.710599	4.7174
SYF2	ENSG00000117614	0.555574	5.280919	5.58959	2.94E-05	0.000101	1.779634	5.093368	4.999934	5.116065	5.122798	5.226392	5.072334	4.920629	4.922558	5.005251	5.257549	5.349076	5.249309	6.111833	6.140876	6.114114	5.275849	5.433569	5.347846
RSRP1	ENSG00000117616	0.856435	4.300949	13.04165	1.93E-10	5.29E-09	14.17099	3.719942	3.638208	3.792147	4.701197	4.635214	4.809079	3.788265	3.749274	3.946814	4.509673	4.562677	4.352105	5.212064	5.208795	5.138897	4.236002	4.333674	4.494122
SLC35A3	ENSG00000117620	0.574773	4.783769	11.01682	2.72E-09	4.15E-08	11.41717	4.327631	4.377991	4.412214	5.067404	4.860273	4.869675	4.576101	4.569092	4.467457	4.920876	4.896447	4.892917	5.408221	5.495702	5.465657	4.802439	4.914163	4.7671
RCOR3	ENSG00000117625	-0.02239	5.356202	-0.26579	0.793513	0.82829	-7.56364	5.792929	5.772502	5.852589	5.547654	5.568621	5.830214	5.964794	6.073067	5.806958	4.926979	4.97047	5.054151	5.066862	5.112436	5.090025	4.856526	4.773297	5.03025
STMN1	ENSG00000117632	-0.77583	6.624002	-13.6223	9.64E-11	3.18E-09	14.69578	6.950688	6.949356	6.860974	6.281638	5.919145	6.077174	6.732502	6.820094	6.706336	7.079075	6.916353	7.046758	6.240442	6.382256	6.260778	6.677344	6.73655	6.873516
MTFR1L	ENSG00000117640	0.225888	5.136125	2.588008	0.018859	0.031063	-4.59534	5.334855	5.312885	5.38134	5.355021	5.338674	5.30954	5.502797	5.416115	5.541593	4.835851	4.899366	4.838143	5.287859	5.218837	5.29458	4.796302	4.680124	4.874064
NEK2	ENSG00000117650	-1.59222	3.764538	-5.94607	1.42E-05	5.40E-05	2.968585	4.387594	4.275018	4.109872	3.887325	3.683372	3.868406	4.576101	4.630987	4.542164	4.443094	4.301006	4.548836	2.062048	2.148862	2.141451	4.113016	4.094656	4.370952
RPS6KA1	ENSG00000117676	-0.06876	5.187746	-0.62134	0.542395	0.60307	-7.41701	5.184082	5.375715	5.303557	4.88719	4.894593	4.956049	5.003988	4.981823	4.751857	5.136363	5.200828	5.329196	5.482686	5.303845	5.301375	5.753898	5.653435	5.617869
DHDDS	ENSG00000117682	0.05709	5.408517	1.348474	0.194721	0.247081	-6.77056	5.227386	5.116644	5.152017	5.213737	5.221894	5.203674	4.779054	5.007978	4.88411	5.837849	5.749173	5.894818	5.93335	5.832965	5.903984	5.695742	5.661257	5.682873
NENF	ENSG00000117691	0.319603	5.679059	6.76299	2.87E-06	1.35E-05	4.225772	6.691154	6.633998	6.59844	7.059593	7.033624	6.965068	6.783948	6.741215	6.678454	4.489195	4.521599	4.612661	4.763924	4.827513	4.684921	4.644018	4.576385	4.597643
NSL1	ENSG00000117697	-0.00274	4.822297	-0.04323	0.96601	0.971879	-7.47733	5.310279	5.247194	5.353819	5.286108	5.34696	5.384134	5.570773	5.327507	5.443658	4.368817	4.251617	4.500578	4.25337	4.51757	4.247105	4.54135	4.40994	4.433851
ARID1A	ENSG00000117713	0.162087	7.070739	3.047022	0.007113	0.013047	-3.92384	6.892897	6.930546	7.025058	7.153265	7.209776	7.382203	7.246883	7.206314	7.17277	7.032426	7.061508	6.909694	7.038829	6.972543	7.091796	7.034863	7.064623	7.047236
CENPF	ENSG00000117724	-1.1099	5.245919	-3.65664	0.001879	0.003983	-2.25424	5.946343	5.844079	5.912505	5.836811	5.726197	5.897242	6.415526	6.436841	6.338259	5.458414	5.677882	5.356567	3.013417	3.253475	3.157218	5.080106	4.874338	5.19777
RPA2	ENSG00000117748	-0.73127	6.144409	-16.7047	3.48E-12	2.91E-10	18.13938	5.840904	5.920324	5.929176	5.333837	5.287935	5.127141	5.891633	6.004573	5.959217	6.825024	6.804045	6.896934	6.122223	6.073301	6.063049	7.041365	6.8967	6.990354
PPP1R8	ENSG00000117751	-0.39415	6.270738	-8.42622	1.45E-07	1.08E-06	7.141965	6.343004	6.310164	6.177877	5.913065	5.827376	5.872779	6.011586	6.097632	6.086983	6.633985	6.570429	6.6566	6.237578	6.220499	6.291819	6.621167	6.674133	6.678341
STX12	ENSG00000117758	0.140629	5.539068	1.541431	0.141122	0.186537	-6.51584	5.278958	5.325066	5.261389	5.432797	5.157403	5.302231	5.478019	5.469794	5.416114	5.915104	5.859683	5.75397	6.04241	6.050991	6.06837	5.575473	5.462956	5.434288
MTARC2	ENSG00000117791	0.98584	0.335359	3.942152	0.001003	0.002271	-0.67443	2.688195	2.9974	2.848472	3.633621	3.901574	3.744443	3.405851	3.196885	3.759121	0.269074	0.185134	0.288049	0.294634	0.550009	0.263213	0.257084	0.2791	0.315289
OSBPL9	ENSG00000117859	0.477157	6.378841	11.73663	1.02E-09	1.94E-08	12.26243	6.277954	6.266621	6.202087	6.725687	6.575269	6.757592	6.29303	6.203275	6.074452	6.30194	6.264627	6.274307	6.835373	6.730816	6.765522	6.231987	6.175789	6.18811
TXNDC12	ENSG00000117862	0.541245	6.50091	5.684621	2.42E-05	8.50E-05	1.862459	6.239421	6.234694	6.255944	6.706036	6.51404	6.62765	7.070276	7.099686	7.137062	5.981118	6.052918	6.015638	6.681583	6.703363	6.679463	6.452888	6.466602	6.401984
ESYT2	ENSG00000117868	0.363218	7.89147	5.809528	1.87E-05	6.81E-05	2.012387	8.146205	8.16892	8.173114	8.600424	8.603763	8.625371	8.647513	8.63993	8.67826	7.224295	7.22164	7.22672	7.50564	7.464912	7.502838	7.202602	7.243959	7.293742
POLR1G	ENSG00000117877	-0.90326	6.088678	-14.0461	5.89E-11	2.21E-09	15.24131	6.466308	6.338981	6.42563	5.475981	5.492239	5.503669	5.891633	5.71813	5.900795	6.70585	6.554781	6.705318	5.855776	5.764345	5.769963	6.455811	6.475502	6.504107
MESD	ENSG00000117899	0.550211	6.592008	9.491957	2.58E-08	2.57E-07	8.904761	5.792929	5.932317	5.867803	6.686114	6.453938	6.676523	6.54443	6.651149	6.603683	6.526551	6.481699	6.588253	6.925933	6.952372	6.914784	7.046544	7.174603	7.124668
RCN2	ENSG00000117906	0.151539	6.575298	3.460324	0.002892	0.005827	-2.99353	6.478767	6.440439	6.466178	6.735413	6.657512	6.649416	6.748129	6.776637	6.730498	6.5195	6.522967	6.487395	6.532974	6.615826	6.650484	6.564521	6.49314	6.566681
CHRNB4	ENSG00000117971	0.696467	0.215082	2.653109	0.016461	0.02752	-3.47766	1.069823	0.410755	0.964748	1.326771	0.828511	0.984419	0.670238	0.915275	0.39151	1.278001	1.190799	1.333627	1.446877	2.016959	1.826726	1.482378	1.795362	1.775544
MUC5B	ENSG00000117983	-0.61293	5.566198	-1.32169	0.203309	0.256601	-6.66705	5.628712	5.922329	6.019525	6.377922	6.706631	7.059135	6.727255	6.489769	6.858801	5.577652	6.085314	5.390066	3.318207	2.985883	3.032078	5.570088	5.649508	5.701584
CTSD	ENSG00000117984	0.411582	8.897298	4.046358	0.000798	0.001853	-1.8943	8.48396	8.567201	8.732733	9.121455	9.296096	9.124514	8.618049	8.514183	8.607397	8.676649	8.756643	8.954451	9.043126	9.08798	9.045278	9.255068	9.272613	9.051223
COLEC11	ENSG00000118004	-1.01506	-0.06218	-3.52475	0.002511	0.005144	-1.5465	1.681202	2.125186	1.62731	0.934951	1.307481	1.250575	1.525136	1.430416	2.165532	0.7264	0.986408	0.846782	0.407676	0.416769	0.760679	0.517985	0.759002	0.409347
STAG1	ENSG00000118007	0.157277	5.205879	1.124327	0.276079	0.336546	-6.93836	5.294704	5.191734	5.183625	5.842822	5.732536	5.918911	5.36994	5.539589	5.439755	4.960093	5.038233	4.95467	4.512278	4.866361	4.851597	5.293385	5.358575	5.098903
STK11	ENSG00000118046	0.158933	5.264781	1.726156	0.101952	0.140219	-6.18574	5.114814	5.328095	5.41428	5.16659	5.326156	5.110498	5.082792	4.987092	4.956916	5.213289	5.283572	5.247482	5.635569	5.522299	5.553662	5.710502	5.537098	5.271631
KMT2A	ENSG00000118058	-0.01918	6.601596	-0.23977	0.813302	0.845352	-7.79596	6.150496	6.213556	6.361052	6.01507	6.108926	6.471864	6.353309	6.239047	6.188155	7.124262	7.282145	6.834428	7.111031	6.990972	7.087871	6.871535	6.796379	6.914191
IFT46	ENSG00000118096	0.088058	4.131604	1.008114	0.327153	0.390516	-6.98408	3.810347	3.58855	3.707702	3.376187	3.225109	3.321269	3.33403	3.446787	2.892531	4.896201	4.950911	5.068705	5.184566	5.208795	5.248442	4.900099	4.927198	5.037632
SLC8A2	ENSG00000118160	1.101747	-0.87725	3.932153	0.001026	0.002313	-0.83108	0.216396	0.106501	0.323815	0.106501	0.25478	0.3528	0.269385	0.253663	0.256032	1.199504	1.529011	1.277453	2.027088	2.084417	2.544166	1.45147	1.368306	1.844513
KPTN	ENSG00000118162	-0.05516	2.747985	-0.50289	0.621322	0.676049	-6.90075	3.397161	2.886707	3.28395	3.21869	3.112982	2.94309	2.884002	2.676938	2.588518	2.955028	2.841532	3.018425	2.911671	2.901116	2.99902	2.901634	2.665466	3.035906
RPS25	ENSG00000118181	-0.08405	8.813327	-1.40322	0.178067	0.22859	-7.00117	8.879933	8.853716	8.790043	8.558578	8.55944	8.52925	8.721505	8.775139	8.713033	8.938069	8.951654	8.828466	8.915873	9.048759	9.051169	8.813366	8.843289	8.928526
KIF14	ENSG00000118193	-1.35962	3.622507	-4.41626	0.000355	0.000907	-0.20505	4.199669	4.318312	4.314076	3.977507	3.867423	4.146631	4.87074	4.87219	4.837409	4.048869	4.056262	3.839044	1.838325	1.738515	1.456457	4.057652	3.88352	3.897964
DDX59	ENSG00000118197	-0.31285	4.73916	-5.52879	3.33E-05	0.000113	1.843599	5.750171	5.765816	5.70066	5.355021	5.395699	5.414959	5.333571	5.495903	5.296047	4.187508	4.340194	4.300188	3.997531	4.073319	4.056758	4.132632	3.835933	3.992166
CAMSAP2	ENSG00000118200	0.450005	6.869618	4.81218	0.000151	0.000426	-0.04338	6.731048	6.743552	6.781722	7.47107	7.344154	7.526408	7.434574	7.480167	7.479771	6.516467	6.575	6.306242	6.622061	6.694395	6.654027	6.492333	6.479932	6.559006
ATF6	ENSG00000118217	0.288451	6.686502	5.259796	5.84E-05	0.000184	0.937078	6.824039	6.759347	6.674569	7.164108	7.006421	7.122759	7.120503	7.106965	7.09177	6.347019	6.346029	6.34006	6.582726	6.549737	6.573044	6.326575	6.351658	6.336153
MREG	ENSG00000118242	-0.73014	3.028341	-5.11096	7.99E-05	0.000243	1.173799	3.128595	3.128277	3.408073	2.518519	2.264801	2.098749	2.144798	2.511284	2.309357	3.97421	3.964495	3.919248	3.409264	3.320292	3.470269	4.083081	4.211138	4.18401
FASTKD2	ENSG00000118246	-0.4493	6.41578	-8.34273	1.67E-07	1.20E-06	6.982311	6.694719	6.749213	6.59191	6.044055	6.023629	6.092086	6.34876	6.347489	6.215804	6.712048	6.625221	6.747929	6.347048	6.450959	6.386461	6.482811	6.42815	6.512078
NRP2	ENSG00000118257	-0.04794	5.953316	-0.45183	0.656949	0.707358	-7.6927	4.339825	4.377991	4.363979	4.955356	4.982309	5.019826	4.000319	4.009594	3.979442	7.713034	7.666126	7.7332	7.461314	7.466493	7.406332	7.446447	7.494379	7.467101
CREB1	ENSG00000118260	0.176604	5.536074	2.94236	0.00891	0.015929	-3.96486	5.272612	5.201677	5.261389	5.583994	5.36339	5.528939	5.668911	5.6164	5.581106	5.666054	5.627733	5.636065	5.785607	5.72965	5.751886	5.546516	5.697845	5.706224
KLF7	ENSG00000118263	-0.54537	5.030337	-5.32891	5.05E-05	0.000163	1.234815	5.163648	5.003727	5.079193	4.209199	3.99943	4.454215	4.000319	3.698786	4.132351	5.966378	6.078893	5.941884	5.597352	5.554375	5.697974	5.548343	5.674845	5.680517
B4GALT6	ENSG00000118276	-0.23402	3.159812	-1.35338	0.193182	0.245427	-5.95195	4.949597	4.917869	5.022058	5.020445	4.917027	4.814227	5.315037	5.164994	5.408147	2.18395	2.115463	2.021603	1.121891	1.528499	1.550722	1.970607	1.851139	2.174206
C1orf54	ENSG00000118292	0.034913	0.28174	0.143697	0.887384	0.907844	-6.40422	1.286899	1.465573	1.453818	1.688986	1.718467	1.669505	1.317361	1.301009	0.925731	1.388276	0.986408	0.993481	1.088368	0.784432	0.862212	0.789161	0.637375	1.322858
CFAP94	ENSG00000118307	1.637487	-0.93933	4.140899	0.000649	0.001541	-0.42127	0.216396	0.582935	0.219246	0.106501	0.106501	0.3528	0.106501	0.253663	0.256032	1.352446	1.029669	1.333627	2.88263	2.850343	2.95373	1.058946	1.072305	0.999041
SPCS2	ENSG00000118363	-0.02687	6.246074	-0.4279	0.673948	0.723091	-7.68138	5.691909	5.7433	5.746061	6.012406	5.842105	6.020397	6.008705	6.15961	6.162335	6.641427	6.622575	6.591136	6.378593	6.42842	6.443887	6.776536	6.69524	6.827408
USP35	ENSG00000118369	0.548193	2.745108	5.771324	2.03E-05	7.28E-05	2.576113	2.218961	2.283367	2.109199	2.457149	2.762786	2.845893	2.376953	2.147141	1.674905	3.552807	3.313538	3.549937	3.979357	3.999514	3.916269	3.567454	3.277464	3.631427
ELOVL4	ENSG00000118402	0.433833	0.091849	2.706754	0.014706	0.024913	-3.20116	5.027048	4.917869	4.954444	5.468225	5.395699	5.363212	5.29153	5.469794	5.330179	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CASP8AP2	ENSG00000118412	-0.44907	4.137528	-5.01359	9.82E-05	0.000291	0.811703	4.2778	4.210824	4.188143	4.082842	3.820593	4.045196	4.293266	4.282412	4.011347	4.421642	4.540416	4.289577	3.870167	4.034047	3.767168	4.62683	4.555551	4.665927
HMGN3	ENSG00000118418	0.891294	5.603138	7.872895	3.76E-07	2.38E-06	6.218642	4.688657	4.511888	4.458888	5.363409	5.248674	5.327654	5.248226	5.348128	5.470686	5.837849	5.909748	5.866538	6.79503	6.771466	6.855996	5.940756	5.873097	5.950669
UBE3D	ENSG00000118420	0.145867	2.259322	1.346631	0.195303	0.247769	-6.05489	2.021155	2.232543	1.888281	2.577385	2.078331	2.317553	2.303642	2.451551	1.918715	3.013555	2.714733	2.883807	2.986372	2.850343	2.895043	2.843302	2.95995	3.021085
CNR1	ENSG00000118432	0.418287	-1.40531	2.30282	0.033821	0.052405	-4.23122	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.18395	2.095243	1.986992	2.566893	2.326537	2.276326	1.286141	1.478665	1.273688
ANKRD13C	ENSG00000118454	0.495804	5.533192	3.594982	0.002152	0.00449	-2.56207	4.803168	4.901694	4.781616	5.468225	5.287935	5.359696	6.020192	5.983638	5.956488	5.552212	5.568461	5.537862	6.019248	6.002404	5.929063	5.66576	5.744615	5.612936
PHF3	ENSG00000118482	0.43974	5.75654	7.184148	1.30E-06	6.87E-06	4.935321	5.346988	5.39028	5.597531	6.077576	6.015855	6.113125	5.582443	5.689327	5.70008	5.667877	5.865664	5.678708	5.996837	6.026902	6.0375	5.752314	5.759266	5.817625
PLAGL1	ENSG00000118495	0.875	0.678553	2.59261	0.018679	0.030792	-3.40039	3.313074	3.310847	3.544167	4.290615	4.408574	4.420855	3.370387	3.646467	3.721038	0.483018	0.259702	0.34382	0.234608	0.345231	0.186984	0.326864	0.433238	0.409347
FBXO30	ENSG00000118496	-0.89047	5.272734	-5.26917	5.72E-05	0.000182	1.240574	6.624189	6.679772	6.62042	5.388282	5.399687	5.203674	6.729006	6.644495	6.665144	4.573314	4.529155	4.444286	4.312636	4.363157	4.25646	4.466031	4.414575	4.444998
TNFAIP3	ENSG00000118503	-0.44566	6.780783	-3.37119	0.003515	0.006923	-2.96663	9.27052	9.329859	9.372884	9.078798	9.012386	9.026453	9.693446	9.595276	9.621214	4.721121	4.784095	4.852633	4.037603	3.896925	3.886451	4.258497	4.348284	4.014786
AKAP7	ENSG00000118507	-1.12703	-0.9317	-3.30628	0.004051	0.007881	-1.94731	3.361722	3.222448	3.334887	2.325974	2.117603	2.288255	2.667326	2.702788	2.408535	0.190076	0.106501	0.16959	0.106501	0.190544	0.106501	0.106501	0.106501	0.214669
RAB32	ENSG00000118508	0.303914	5.001065	5.926654	1.48E-05	5.57E-05	2.58102	5.463015	5.452673	5.620809	5.730596	5.707014	5.699996	5.253102	5.298133	5.211591	4.493314	4.517806	4.618325	4.943391	4.976997	4.897167	4.410866	4.268595	4.335451
SGK1	ENSG00000118515	-0.00532	4.646596	-0.03592	0.971752	0.976552	-7.14741	6.859408	6.850648	6.859887	6.948306	6.854888	7.049345	7.17033	7.286496	7.217906	2.918737	2.877496	2.93917	2.479079	2.50126	2.34809	2.432936	2.254246	2.442395
RNF146	ENSG00000118518	0.005615	4.483068	0.069121	0.945678	0.955269	-7.40857	5.1077	5.084762	5.010354	4.851861	4.795153	4.93257	4.8959	5.103252	5.146036	3.991785	4.008408	4.104202	4.268416	4.331113	4.179864	3.98397	4.029668	4.108904
CCN2	ENSG00000118523	0.105693	6.100212	0.368757	0.716737	0.762568	-7.5965	6.951681	6.66667	6.667134	6.827712	6.81662	6.731979	7.689652	7.85487	7.997242	5.346754	5.217293	5.39172	5.45336	5.503938	5.547959	4.630284	4.377068	4.646745
FBXL5	ENSG00000118564	0.211596	6.310208	2.085616	0.051965	0.077057	-5.70752	6.547407	6.579116	6.507006	7.106565	7.136387	7.066704	6.550384	6.647826	6.513727	5.994256	5.934144	5.968739	5.830653	5.784769	5.861701	5.939365	6.008036	5.960412
MED28	ENSG00000118579	-0.10389	6.594068	-1.36147	0.190658	0.242676	-6.88943	6.514168	6.498057	6.541298	6.171319	5.992279	6.127672	6.357843	6.415505	6.474207	6.885036	6.825684	6.823435	6.954124	7.006996	6.956279	6.853916	6.763145	6.814573
SLC16A7	ENSG00000118596	0.308437	4.195402	1.470697	0.159147	0.207311	-6.31718	3.114469	3.547555	3.090013	3.977507	3.901574	4.053927	4.825625	4.849227	4.90124	4.553726	4.648439	4.447471	4.568067	4.488812	4.660464	4.357681	4.559742	4.520707
RXYLT1	ENSG00000118600	0.081434	5.21376	1.605293	0.126345	0.169511	-6.32012	5.482394	5.541478	5.443586	5.743505	5.507103	5.471446	5.624444	5.567996	5.581106	4.98955	4.893523	4.961372	5.034222	5.029288	5.003776	4.978075	4.877699	4.849107
ZNF430	ENSG00000118620	-0.03854	3.489731	-0.44308	0.663142	0.713139	-7.23193	3.19722	3.286138	2.966237	2.91067	2.605925	2.675323	2.981245	3.196885	3.00245	4.395472	4.309807	4.235316	4.410831	4.398927	4.389961	4.156784	4.156841	4.087723
VAMP8	ENSG00000118640	0.279079	5.735132	4.930433	0.000117	0.000341	0.2699	4.892796	4.945746	4.720675	4.93299	5.019069	4.965334	4.496094	4.690335	4.732845	6.73397	6.678858	6.797455	7.074579	7.019976	7.14124	6.382946	6.329738	6.292079
DCLRE1B	ENSG00000118655	-1.15718	3.550909	-11.5975	1.23E-09	2.21E-08	12.39054	3.827767	3.82133	3.678418	2.714828	3.073582	2.924168	3.277716	3.285084	3.528681	4.468423	4.322908	4.48516	3.409264	3.310934	3.126936	4.496632	4.211138	4.323421
MYL12B	ENSG00000118680	-0.06683	8.41133	-0.6123	0.548225	0.608128	-7.77284	8.458674	8.431547	8.410531	7.895772	7.863405	7.870785	7.998506	8.037364	8.035888	8.664829	8.550714	8.652273	8.942794	8.981047	8.968197	8.539816	8.610102	8.572877

FOXO3	ENSG00000118689	0.266184	4.673063	4.998956	0.000101	0.0003	0.549151	3.65311	3.382531	3.477724	3.887325	3.855857	3.643939	3.539581	3.711575	3.614278	5.806744	5.770051	5.917969	6.087648	6.029757	6.128197	5.692441	5.629711	5.644707
ARMC2	ENSG00000118690	0.920443	0.563878	3.429075	0.003097	0.006191	-1.85279	1.475543	1.551021	1.585853	1.519216	1.953662	1.422231	1.648695	1.549165	1.445026	0.669294	0.799097	0.884879	1.667235	1.560439	1.900186	1.320757	0.924142	0.805046
RPN2	ENSG00000118705	0.265952	9.1629	3.388191	0.003387	0.006697	-3.32511	9.517117	9.543325	9.526632	10.09997	10.06494	10.08782	9.83676	9.79737	9.816894	8.534991	8.453544	8.500085	8.459157	8.435431	8.464646	8.651754	8.603266	8.590553
TGIF2	ENSG00000118707	0.076378	4.627652	1.122278	0.276926	0.337433	-6.87488	4.12413	4.281283	4.242513	4.647264	4.573001	4.549901	4.583863	4.526303	4.527529	4.977839	4.887657	4.961372	4.873768	4.872735	4.788509	4.964456	4.968764	5.03025
PKD2	ENSG00000118762	0.664543	4.758532	5.046178	9.16E-05	0.000274	0.765645	4.473109	4.663476	4.715879	5.615935	5.732536	5.852905	4.825625	4.955186	4.989319	4.472601	4.483212	4.398932	4.565023	4.623418	4.772296	4.454386	4.460128	4.617485
ABCG2	ENSG00000118777	-1.017	4.633443	-7.98662	3.08E-07	2.02E-06	6.87585	7.664356	7.660808	7.635545	6.759444	6.632311	6.684979	7.395415	7.516149	7.401671	2.943032	2.841532	3.125724	1.818016	2.169719	1.876113	2.229352	2.078458	2.200755
SPP1	ENSG00000118785	-0.80634	8.452107	-6.71404	3.15E-06	1.46E-05	3.890177	10.99909	10.9697	10.96446	10.42734	10.37149	10.40933	10.84875	10.83627	10.8646	6.904498	6.862788	6.969087	5.756555	5.748835	5.661468	5.868013	5.940538	5.942826
STBD1	ENSG00000118804	0.32831	1.340503	2.636171	0.017055	0.028417	-3.71036	1.475543	1.420874	1.453818	1.519216	2.078331	1.575618	1.317361	1.367163	1.445026	2.14259	1.851833	2.355887	2.412911	2.344993	2.294605	2.055273	2.212266	2.06284
CCNI	ENSG00000118816	0.170714	7.533862	4.499369	0.000297	0.000773	-0.79455	7.580775	7.606956	7.595634	7.79861	7.730388	7.792739	7.816129	7.827961	7.798244	7.248256	7.31912	7.327851	7.45393	7.460158	7.459448	7.348142	7.286937	7.304492
RARRES1	ENSG00000118849	3.238995	0.664687	7.32796	9.98E-07	5.48E-06	5.863987	0.814199	0.106501	0.756332	2.21912	2.520598	2.719893	1.816207	1.760835	1.0941	1.158593	0.941811	0.921995	2.649667	2.837366	2.95373	1.099384	1.478665	0.93723
MFSD1	ENSG00000118855	0.595124	5.16331	4.169966	0.000609	0.001457	-1.25111	4.478633	4.543506	4.124423	5.569568	5.554381	5.649047	5.228555	5.246342	5.188519	5.242946	5.438064	5.28358	5.464835	5.481175	5.469685	5.217339	5.193075	5.33891
RAB3GAP2	ENSG00000118873	0.429672	6.062771	8.202176	2.12E-07	1.47E-06	6.793393	6.16256	6.16356	6.126398	6.728936	6.722639	6.690588	6.247331	6.446436	6.395797	5.575711	5.703153	5.574748	5.956761	5.852446	5.902495	5.789862	5.788131	5.715459
EEF2KMT	ENSG00000118894	0.264362	4.656277	3.463376	0.002873	0.005793	-2.69917	4.357924	4.299916	4.400306	4.927344	4.770725	4.844735	4.479546	4.637703	4.647437	4.623032	4.675929	4.768526	4.871306	4.749998	4.769032	5.102661	5.012228	4.930673
PPL	ENSG00000118898	0.69644	4.414714	3.217183	0.004919	0.009364	-3.48938	3.408783	3.370829	3.104764	1.104644	1.087782	0.909432	0.886508	0.726566	0.735084	7.643853	7.569123	7.563372	8.561578	8.434623	8.501503	7.729332	7.770515	7.791373
UBN1	ENSG00000118900	0.473106	6.779305	9.535069	2.41E-08	2.43E-07	8.965698	6.392134	6.46679	6.467605	6.9343	6.890752	6.96391	7.213499	7.138087	7.128602	6.481647	6.440218	6.450559	6.90141	6.920424	6.894705	6.878813	6.848696	6.863166
KLF12	ENSG00000118922	1.259792	2.151193	6.878111	2.30E-06	1.12E-05	4.951673	2.080492	2.152784	2.37563	2.393052	2.490996	2.317553	2.058296	2.029503	2.087859	2.14259	1.967585	1.969371	3.36795	3.552417	3.608189	2.524879	2.618024	2.742606
UCHL3	ENSG00000118939	-0.52777	1.324076	-3.75785	0.001504	0.003254	-1.33765	1.894617	1.81559	2.248556	1.634586	1.666451	1.310092	1.459147	1.367163	1.564539	2.033684	2.115463	2.243088	1.935792	1.793303	1.667532	2.115663	2.030948	2.119598
HS1BP3	ENSG00000118960	0.520777	5.162131	7.190435	1.29E-06	6.81E-06	5.083771	5.745596	5.863	5.872121	6.092789	6.156841	6.210048	5.61311	5.612996	5.623012	4.493314	4.205202	4.246333	5.088219	5.026432	4.97856	4.336692	4.2788	4.317368
LDAH	ENSG00000118961	-0.20716	5.351137	-4.54644	0.000268	0.000706	-0.4236	5.83014	5.811984	5.7295	5.521661	5.751385	5.637476	5.736627	5.669801	5.653661	5.215784	5.147822	5.191584	4.941045	4.944083	4.929692	5.062316	5.030462	5.184529
WDR35	ENSG00000118965	0.027744	5.202695	0.203796	0.840867	0.868238	-7.49753	6.239421	6.188775	6.269099	6.004384	5.824412	6.024845	6.25221	6.260962	6.315012	4.192583	4.335892	4.159641	4.607058	4.725555	4.752597	4.052512	3.992947	4.335451
ELL2	ENSG00000118985	0.469009	7.28362	4.000938	0.000882	0.002027	-1.86033	7.109568	7.178928	7.132437	8.102798	8.011487	8.046754	7.851122	7.919679	7.871057	6.806109	6.886514	6.918904	6.91999	6.815145	6.917736	6.917494	6.96702	6.914191
DNAH7	ENSG00000118997	2.149055	0.034507	11.45806	1.48E-09	2.56E-08	11.93106	0.814199	0.499412	0.512639	1.256461	1.087782	1.123626	0.548589	0.387194	0.39151	1.028404	0.986408	1.027938	2.842976	2.565626	2.647333	1.099384	1.368306	0.93723
CYP20A1	ENSG00000119004	0.687662	5.016864	5.110322	8.00E-05	0.000243	0.90355	5.227386	5.349122	5.287484	6.412686	6.147385	6.382847	5.872748	5.807211	5.934468	4.355303	4.327249	4.37236	4.53734	4.596713	4.41524	4.031767	4.106163	4.094818
NDUFB3	ENSG00000119013	-0.09184	5.801759	-1.76503	0.095025	0.131837	-6.18407	6.057576	6.065329	5.916691	5.996317	5.845033	5.850401	6.028748	6.166593	6.004837	5.718015	5.633002	5.782	5.538057	5.68869	5.716735	5.621323	5.6177	5.666299
GTF3C3	ENSG00000119041	-0.72252	6.436276	-6.42856	5.46E-06	2.35E-05	3.401729	7.533783	7.561992	7.482999	6.344419	6.283111	6.516764	6.660922	6.76748	6.717662	6.292517	6.226791	6.21666	5.911951	6.011098	5.962316	5.814363	5.946952	5.930982
SATB2	ENSG00000119042	0.148285	4.412688	1.425172	0.171721	0.221221	-6.31851	5.128936	5.168263	5.16263	5.499001	5.550798	5.608136	5.356409	5.364416	5.283036	3.702624	3.774119	3.669344	3.36795	3.528394	3.486261	3.762638	3.728346	3.761956
UBE2B	ENSG00000119048	-0.18278	6.028146	-3.67735	0.001796	0.003824	-2.4463	6.265223	6.165255	6.126398	6.0017	5.839171	5.857899	6.295396	6.399788	6.319266	6.002949	5.881985	5.995103	5.858265	5.893775	5.852476	6.067194	6.038386	6.058025
TRPM6	ENSG00000119121	-0.80238	0.025719	-2.9684	0.008426	0.015141	-2.6367	3.17016	3.417081	3.119366	2.633943	2.787348	2.605775	2.806512	3.043491	2.530983	0.269074	0.524532	0.34382	0.171976	0.190544	0.186984	0.393424	0.358227	0.214669
GDA	ENSG00000119125	0.485151	2.892889	1.113198	0.280699	0.341534	-5.72597	9.017706	9.063866	9.066171	9.633304	9.470464	9.556435	10.07724	10.02926	10.02348	0.190076	0.330605	0.230035	0.234608	0.26996	0.106501	0.106501	0.106501	0.106501
KLF9	ENSG00000119138	1.974328	3.607285	12.68542	3.00E-10	7.29E-09	13.81066	2.051128	2.09705	1.954926	4.510463	4.493129	4.568299	3.866715	3.724251	3.783962	3.186323	3.517242	3.195594	4.72355	4.707838	4.775553	4.175819	4.023613	4.286716
TJP2	ENSG00000119139	-0.21413	6.170957	-1.52722	0.144601	0.190523	-6.62126	5.665509	5.754602	5.623372	4.746789	4.7142	4.803913	5.982519	5.913422	5.889394	6.873232	6.829514	6.828331	6.972616	7.019258	6.956279	7.001245	6.970173	6.972169
ITGB1BP1	ENSG00000119185	0.009	5.58938	0.158319	0.87602	0.898542	-7.65091	5.724825	5.822762	5.796906	5.580401	5.72937	5.727543	5.726144	5.761822	5.683673	5.384942	5.34694	5.435695	5.461566	5.54043	5.483693	5.742772	5.649508	5.565205
CPSF3	ENSG00000119203	-0.05076	5.998346	-0.8683	0.396995	0.462159	-7.37075	6.003031	5.81846	5.957896	5.70112	5.596688	5.686023	5.531176	5.528791	5.530627	6.285409	6.328814	6.349456	6.401807	6.408816	6.443887	6.296455	6.235953	6.293621
PIGZ	ENSG00000119227	-0.31116	0.503864	-1.58559	0.130759	0.174709	-5.3418	1.642349	1.591918	1.585853	1.256461	1.164793	1.367251	0.415731	1.15884	1.01237	1.676063	1.644832	1.514616	1.420179	1.766169	1.355599	1.214313	1.118494	0.999041
SENP5	ENSG00000119231	-0.38985	5.656568	-6.86045	2.38E-06	1.16E-05	4.315251	5.786261	5.772502	5.780922	5.122798	5.287935	5.207592	5.282018	5.25073	5.355259	6.112774	6.078893	6.045377	5.821756	5.845981	5.803856	5.902702	6.001889	5.898914
CCDC92	ENSG00000119242	0.693679	4.038592	5.026342	9.56E-05	0.000285	0.942947	4.785446	4.83937	4.966609	5.241304	5.166794	5.159862	4.751751	4.61746	4.751857	2.804042	2.900983	2.7037	3.988472	3.927863	3.904416	3.374993	3.267249	3.466183
C1orf198	ENSG00000119280	0.016519	5.704552	0.244505	0.809687	0.841958	-7.68063	5.682365	5.55188	5.625931	5.416768	5.334513	5.341983	5.54317	5.514266	5.269907	5.841085	5.919844	5.890143	6.066283	6.069144	6.108959	6.023205	6.04886	5.952623
HEATR1	ENSG00000119285	-0.01613	7.339278	-0.49979	0.623456	0.677958	-7.72975	7.921253	7.968517	7.983609	7.956629	7.875627	8.026382	7.765837	7.795295	7.737544	6.888168	6.847758	6.872848	6.871543	6.834867	6.81543	6.713616	6.660538	6.749751
PTBP3	ENSG00000119314	0.05933	7.166749	0.688882	0.499941	0.562348	-7.62758	6.134836	6.122277	6.210636	6.643705	6.523209	6.626187	6.794021	6.984545	6.82479	7.811576	7.869555	7.786688	7.580265	7.616932	7.669241	7.971536	7.993311	8.045935
RAD23B	ENSG00000119318	-0.53019	8.500786	-10.2188	8.57E-09	1.04E-07	9.91878	8.790865	8.766808	8.758032	8.092745	8.008225	8.031364	8.557744	8.598359	8.550625	8.690168	8.634763	8.692602	8.316018	8.302459	8.346148	8.639594	8.61439	8.698412
FKBP15	ENSG00000119321	0.015225	6.235563	0.346865	0.732834	0.776445	-7.70304	6.32931	6.355404	6.303073	6.36336	6.163893	6.269353	6.4068	6.236837	6.367315	6.183306	6.165079	6.194078	6.241396	6.226732	6.314389	6.209072	6.138449	6.127131
CTNNAL1	ENSG00000119326	-0.00726	7.203793	-0.0338	0.973423	0.977817	-7.70642	9.183127	9.190763	9.15854	9.783636	9.646086	9.657637	9.357117	9.465865	9.42765	5.728536	5.50665	5.658231	4.53734	4.54975	4.569568	4.799373	4.930438	4.98132
ABITRAM	ENSG00000119328	0.822798	5.06894	13.34945	1.33E-10	4.03E-09	14.48875	4.029438	3.7953	3.792147	4.63346	4.580048	4.460795	5.055139	4.992342	4.989319	5.138995	5.174568	5.204822	5.992313	6.056601	6.010109	6.120972	6.032367	6.095646
DYNC2I2	ENSG00000119333	-0.31353	6.582154	-4.40598	0.000363	0.000925	-0.92854	6.848782	6.779404	6.91009	6.329513	6.375108	6.263719	6.426359	6.314337	6.302172	6.756422	6.658331	6.83868	6.574426	6.668983	6.614559	6.763226	6.729127	6.606939
SET	ENSG00000119335	0.104342	9.151714	2.412755	0.027068	0.042913	-5.35239	8.740592	8.735495	8.68721	9.009682	8.935148	8.996196	9.169009	9.186716	9.132091	9.263213	9.242538	9.27536	9.173234	9.26877	9.252764	9.534621	9.570445	9.605712
PTPA	ENSG00000119383	-0.00289	7.585157	-0.0897	0.929548	0.942451	-7.8961	7.474879	7.419448	7.45952	7.412663	7.507367	7.326546	7.583315	7.513412	7.561961	7.674104	7.657102	7.656817	7.738902	7.656721	7.667489	7.805401	7.776829	7.780413
GLE1	ENSG00000119392	-0.77471	6.357125	-14.1642	5.14E-11	1.97E-09	15.35543	6.803275	6.941466	6.8761	5.927278	5.93572	5.90932	6.062473	6.182756	6.114173	6.80859	6.781286	6.876398	6.151938	6.268422	6.197832	6.365436	6.267043	6.293621
RAB14	ENSG00000119396	0.014262	7.612344	0.273836	0.78742	0.823317	-7.86145	7.426389	7.354827	7.392724	7.591984	7.463269	7.552056	7.701295	7.743309	7.657472	7.750942	7.744493	7.738086	7.617096	7.676439	7.638713	7.724088	7.65186	7.734589
CNTRL	ENSG00000119397	-0.7816	4.162024	-10.0921	1.03E-08	1.22E-07	10.11904	4.333741	4.243278	4.370098	3.123142	3.188693	3.292047	3.866715	3.564249	3.60036	5.136363	5.235883	5.119519	4.515435	4.53375	4.6463	4.563199	4.592839	4.607598
TRIM32	ENSG00000119401	-0.00225	5.126506	-0.02223	0.982519	0.985494	-7.56066	5.411954	5.438728	5.587063	4.949796	5.190008	5.203674	5.715585	5.653324	5.62645	4.64911	4.745694	4.729802	5.003078	5.090728	4.975731	5.064871	4.914163	5.105943
FBXW2	ENSG00000119402	0.069834	7.045098	2.171733	0.043907	0.066127	-5.64309	7.293213	7.261261	7.301231	7.346511	7.310655	7.364766	7.175477	7.327574	7.264985	6.843694	6.840184	6.754375	6.878915	6.879862	6.920681	6.772634	6.731915	6.749751
PHF19	ENSG00000119403	-0.89151	5.721309	-3.32893	0.003855	0.007539	-3.10919	5.868521	5.865087	5.848213	6.067345	6.039053	6.158358	6.316513	6.353622	6.415803	6.19726	6.017092	6.0621	4.171694	4.344933	4.035179	5.928183	5.959694	5.930982
NEK6	ENSG00000119408	0.054934	7.412764	0.46069	0.650701	0.701904	-7.7891	7.208473	7.279371	7.267214	6.815537	6.837352	6.745516	7.116495	7.014526	7.017779	7.703733	7.71829	7.713488	8.202605	8.127608	8.134461	7.610636	7.54176	7.53909
BSPRY	ENSG00000119411	0.173975	1.300617	1.370941	0.187742	0.239392	-6.52976	0.41387	0.875715	0.323815	0.106501	0.106501	0.3528	0.269385	0.253663	0.106501	5.104407	5.24967	5.219804	5.45336	5.458046	5.393294	5.09268	5.19577	5.022829
PPP6C	ENSG00000119414	-0.05615	6.943338	-1.08487	0.292718	0.354162	-7.24522	6.847715	6.877775	6.712382	6.773673	6.630615	6.760261	6.984915	7.01065	7.000662	7.074271	7.132057	7.099856	7.058439	7.073529	7.081963	7.026368	7.018932	7.034378
NDUFA8	ENSG00000119421	-0.3863	6.280411	-8.03274	2.84E-07	1.89E-06	6.457397	6.741426	6.815465	6.759754	6.266066	6.334017	6.213949	6.378072	6.565688	6.460789	6.317124	6.239513	6.32455	6.015908	6.029757	6.014251	5.975118	5.946952	5.998741
HDHD3	ENSG00000119431	0.238805	4.218404	4.992884	0.000103	0.000303	0.625357	3.551922	3.505362	3.477724	3.605613	3.878897	3.548316	3.258446	3.250449	3.421943	5.180457	5.105486	5.085161	5.391139	5.32724	5.393294	4.805497	4.864208	4.922721
RBM18	ENSG00000119446	0.303854	5.944324	4.063203	0.000769	0.001794	-1.58443	5.806172	5.827051	5.688471	6.115311	6.071915	6.070736	6.34876	6.465436	6.464636	5.655065	5.701482	5.721443	5.997966	5.890637	6.029337	5.86068	5.883166	5.838909
HSDL2	ENSG00000119471	-0.46057	5.734152	-4.94109	0.000115	0.000334	0.404445	6.679208	6.71491	6.634467	6.009737	5.859584	6.106845	6.475171	6.588399	6.559406	5.24539	5.290258	5.28001	4.931624	5.10974	5.229565	5.036515	4.965609	5.055925
MAPKAP1	ENSG00000119487	-0.03179	7.090982	-0.49934	0.623769	0.678194	-7.734	7.119328	7.216192	7.149433	6.812478	6.906253	6.933481	6.968703	6.93633	6.909066	7.171295	7.168197	7.233657	7.404985	7.377965	7.305724	7.119634	7.062409	7.039902
NR4A3	ENSG00000119508	2.191215	3.205614	5.197361	6.66E-05	0.000207	1.710631	4.495082	4.281283	4.294909	6.701082	6.59801	6.703131	7.602547	7.422025	7.58069	1.158593	1.435603	0.993481	1.365252	1.203912	0.957066	1.250674	1.2488	0.93723
INVS	ENSG00000119509	0.240902	3.858459	2.86338	0.01055	0.018518	-3.72131	4.186225	4.429669	4.235828	4.569652	4.573001	4.592471	4.411387	4.09991	4.380548	3.552807	3.576789	3.262236	3.735884	3.520297	3.533199	3.485915	3.579432	3.611778
GALNT12	ENSG00000119514	-0.00212	4.965301	-0.01056	0.991692	0.992807	-7.56208	5.549554	5.469231	5.486458	4.562385	4.529983	4.809079	5.157514	5.319175	5.174497	4.645413	4.651904	4.806238	5.418375	5.341097	5.352435	4.657623	4.710599	4.607598
DENND1A	ENSG00000119522	-0.16368	5.556873	-2.62055	0.017621	0.029241	-4.55312	6.306192	6.325403	6.389943	6.112826	5.943937	6.057773	6.483493	6.328935	6.30002	4.930021	4.872886	4.842989	4.982695	4.907298	4.76576	5.08263	5.009167	5.011626
ALG2	ENSG00000119523	-0.37739	6.510026	-5.10491	8.09E-05	0.000245	0.617723	6.835926	6.837953	6.789732	6.185579	6.101599	6.172458	6.753301	6.755179	6.732095	6.5195	6.452192	6.573019	6.393252	6.351779	6.415981	6.556373	6.52992	6.521324
KDSR	ENSG00000119537	0.135058	5.443403	1.777673	0.092861	0.129301	-6.0773	5.77508	5.798943	5.762434	6.125209	6.145011	6.094204	6.122326	6.020078	6.071932	5.032639	5.048786	5.103452	4.938696	5.000472	4.950015	4.874113	4.801884	4.969789
VPS4B	ENSG00000119541	-0.05582	6.215025	-0.88755	0.386835	0.451651	-7.36079	6.383325	6.396385	6.344057	6.13504	6.091772	6.072885	6.212706	6.316432	6.284872	6.269886	6.156567	6.21666	6.307533	6.391163	6.311026	6.07988	6.10586	6.154551
ONECUT2	ENSG00000119547	-0.11857	2.093742	-0.63762	0.531984	0.593394	-6.6308	2.917019	2.636038	2.621113	3.06262	2.811499	2.805104	2.446718	1.988058	1.873138	2.163418	2.338281	2.485514	2.044674	2.084417	2.07955	2.464239	2.274787	2.397196
C19orf25	ENSG00000119559	0.338565	4.481285	6.903371	2.20E-06	1.08E-05	4.575189	4.10996	4.043996	4.145977	4.479932	4.485643	4.337497	4.215456	4.060466	4.252911	4.660143	4.706242	4.786248	5.117597	4.965115	5.034009	4.882828	4.847164	4.740203
ZBTB45	ENSG00000119574	0.257332	3.985695	3.990622	0.000902	0.002068	-1.45481	3.643304	3.608619	3.533304	3.80351	4.040879	3.848471	3.617275	3.40015	3.771595	4.242376	4.369954	4.466439	4.583188	4.577331	4.591911	4.581158	4.419196	4.353311
YLPM1	ENSG00000119596	-0.1658	7.053666	-4.30132	0.000457	0.00113	-1.20637	6.798865	6.86636	6.942271	6.714257	6.606662	6.833078	6.838498	6.812694	6.814277	7.464563	7.433765	7.376712	7.310018	7.185294	7.239453	7.333383	7.28314	7.317439
DCAF4	ENSG00000119599	0.14495	4.417105	1.748304	0.097953	0.135386	-6.02452	4.527427	4.354415	4.453135	4.152252	4.249727	4.264152	3.928981	3.809996	3.879258	4.678347	4.716207	4.737631	4.933985	5.180814	5.028559	4.602417	4.613145	4.665927
FCF1	ENSG00000119616	0.004573	6.151801	0.067753	0.946752	0.956082	-7.77895	5.885257	5.902145	5.891391	5.587578	5.654575	5.522662	5.61311	5.669801	5.773239	6.596185	6.514426	6.603327	6.764843	6.753445	6.797116	6.543607	6.475502	6.578118
PGF	ENSG00000119630	-1.32656	2.094239	-8.54391	1.19E-07	9.09E-07	7.91816	1.384302	1.708084	1.921989	0.934951	1.006428	1.188496	2.779728	2.069791	2.127218	3.591745	3.232543	3.346558	2.28558	2.21055	2.07955	4.640597	4.423801	4.292899
IFI27L2	ENSG00000119632	0.705925	4.520241	10.19427	8.88E-09	1.08E-07	10.28277	4.495082	4.318312	4.242513	5.156973	5.059965	5.097889	4.758625	4.866483	4.889843	4.109157	3.975599	4.132188	4.728999	4.642195	4.670996	4.694387	4.2788	4.428245
BBOF1	ENSG00000119636	1.703546	1.74381	12.55348	3.54E-10	8.28E-09	13.5665	1.602421	1.465573	1.585853	2.21912	2.429905	2.402038	1.762502	1.231675	1.50602	2.033684	1.827525	1.800268	3.557503	3.552417	3.396027	2.192442	2.410923	2.174206
NEK9	ENSG00000119638	0.109029	6.951975	2.16114	0.044832	0.067369	-5.66441	6.856229	6.883963	6.857712	6.915886	6.825541	6.83181	6.984915	6.948536	6.913294	6.935101	7.039851	6.974066	7.141486	7.201843	7.218664	6.996569	6.911533	6.915194
ACYP1	ENSG00000119640	-0.93867	3.216929	-8.56072	1.16E-07	8.88E-07	7.839278	3.43175	3.483793	3.39613	2.457149	2.398361	2.719893	3.296733	3.446787	3.628063	4.13575	3.997554	4.071539	3.40246	3.213858	3.085545	3.530961	3.529023	3.581792
IFT43	ENSG00000119650	0.089757	4.904383	0.767474	0.453044	0.517044	-7.2739	5.132445	5.044814	5.116065	4.59836	4.733289	4.55606	4.659269	4.722281	4.831463	4.977839	4.992502	4.983487	5.469725	5.425898	5.393294	4.859472	4.897703	4.780362
NPC2	ENSG00000119655	0.717123	6.004013	9.18509	4.18E-08	3.84E-07	8.42218	4.199669	4.256058	4.145977	5.506594	5.34696	5.331249	4.799197	4.644388	4.680887	7.095425	7.023225	7.13979	7.59302	7.589138	7.648961	7.20492	7.264004	7.218598
DNAL1	ENSG00000119661	-0.35856	4.477646	-6.02369	1.22E-05	4.71E-05	2.842039	4.351916	4.354415	4.43574	4.072648	3.901574	3.907468	4.496094	4.569092	4.355908	4.886838	4.964909	4.976888	4.707079	4.604394	4.591911	4.77149	4.897703	4.96205
IRF2BPL	ENSG00000119669	-0.05349	5.77837	-0.70444	0.490438	0.553292	-7.46466	5.053202	5.048491	5.3383	4.87551	5.190008	4.923071	5.665257	5.392484	5.612649	6.099326	6.248696	6.426546	6.293811	6.295956	6.188087	6.77965	6.654673	6.455328
ACOT2	ENSG00000119673	0.728832	4.0014	8.003622	2.99E-07	1.97E-06	6.684754	2.949211	3.07157	3.176339	3.966538	4.1009	4.170914	3.33403	3.214961	3.513908	4.276236	4.327249	4.469576	4.914988	4.982902	4.897167	4.917167	4.758787	4.819433
LTBP2	ENSG00000119681	0.181634	4.85562	1.225409	0.236678	0.293668	-6.84473	4.569455	4.517206	4.595711	3.714523	3.901574	3.848471	4.245129	4.119235	3.968647	5.235589	5.372368	5.214204	5.771154	5.841114	5.794253	5.925374	5.886506	5.938889
AREL1	ENSG00000119682	0.048615	6.611093	1.401976	0.178432	0.228894	-6.85509	6.05942	6.043381	5.947704	5.982771	6.051781	5.982028	5.879071	5.783182	5.767022	7.348289	7.367869	7.260168	7.410506	7.439373	7.379825	7.225619	7.167755	7.208004
MLH3	ENSG00000119684	-0.16395	4.674598	-1.71277	0.104437	0.143208	-6.14122	4.206344	4.197635	3.947516	4.479932	4.301803	4.467345	3.828023	3.967564	4.032233	5.445717	5.491258	5.416316	5.174616	5.040655	5.087406	5.36976	5.428995	5.383047
TTLL5	ENSG00000119685	0.723941	4.323547	12.25373	5.19E-10	1.12E-08	13.16199	3.183753	3.472886	3.466347	4.272916	4.222966	4.218286	3.916741	3.913244	3.90213	4.588795	4.662249	4.60982	5.298892	5.104334	5.305888	5.046891	5.02441	5.063177
FLVCR2	ENSG00000119686	0.111401	3.119528	1.107728	0.282991	0.344	-6.69748	2.137484	2.71221	2.661582	2.999448	2.948483	2.719893	1.966276	2.108984	1.962896	4.082065	4.228596	4.231625	4.234338	4.190213	4.21867	4.108069	4.140146	4.073428
ABCD4	ENSG00000119688	0.419244	4.68302	3.410333	0.003227	0.006417	-2.85785	3.86199	3.777682	3.828148	4.052041	4.213935	4.146631	4.496094	4.664259	4.694053	5.185557	5.145366	5.225382	5.626839	5.574066	5.650865	5.044304	5.057388	5.174518
DLST	ENSG00000119689	-0.04693	7.242852	-1.17709	0.254939	0.314001	-7.16845	7.058835	7.127696	7.039526	6.90874	7.023321	6.949945	7.266307	7.242012	7.332843	7.389203	7.336451	7.368332	7.387864	7.371228	7.356633	7.490348	7.442555	7.457501
TGFB3	ENSG00000119699	0.984385	2.198163	5.713609	2.28E-05	8.08E-05	2.578238	1.561356	1.708084	1.62731	1.393812	1.817192	1.422231	2.144798	2.184314	1.962896	2.83033	2.900983	2.649405	3.928165	3.779712	4.024267	3.190769	3.37582	3.398988
ZC2HC1C	ENSG00000119703	-0.11031	0.379143	-0.5334	0.600475	0.657434	-6.43085	0.947665	0.8079	1.028027	0.635873	1.2379	0.746642	1.160105	0.622068	0.515351	1.91588	1.467416	1.839597	1.446877	1.819936	1.826726	1.599785	1.878239	1.703111
SLIRP	ENSG00000119705	-0.56252	6.016943	-10.9919	2.82E-09	4.24E-08	11.24507	5.970071	5.981241	5.897758	5.132645	5.379635	5.257578	5.697811	5.695778	5.900795	6.693372	6.594939	6.582468	6.087648	6.167044	6.212326	6.513997	6.447504	6.525268
RBM25	ENSG00000119707	0.252628	6.783762	2.443721	0.025408	0.040633	-5.12821	6.148765	6.050734	6.183099	6.817065	6.810641	6.935844	6.470991	6.452163	6.495043	7.132869	7.171219	7.082031	7.005541	7.058929	7.005657	7.148827	7.191582	7.198156
ALDH6A1	ENSG00000119711	1.013953	3.799789	9.467985	2.68E-08	2.65E-07	9.220584	2.762544	2.655462	2.982302	4.325376	4.030628	4.079806	3.841036	3.659726	3.586306	3.920163	4.051023	3.973292	4.734427	4.697103	4.769032	4.203908	4.100421	4.073428
EIF2B2	ENSG00000119718	-0.18365	6.070644	-4.80614	0.000153	0.00043	-0.01089	5.616234	5.639833	5.602736	5.479843	5.532753	5.451761	5.490461	5.477302	5.663734	6.709395	6.650558	6.803062	6.518101	6.491907	6.533189	6.663925	6.662488	6.708719
NRDE2	ENSG00000119720	0.030226	4.514433	0.54762	0.590878	0.648223	-7.34732	4.433832	4.440906	4.294909	4.440838	4.258538	4.427589	4.302704	4.444399	4.270596	4.92393	4.848932	4.740231	4.907798	4.797675	4.935528	4.61293	4.633169	4.708177
COQ6	ENSG00000119723	0.045797	4.251142	0.574513	0.572941	0.631855	-7.21392	4.749336	4.644161	4.574673	4.359318	4.594038	4.454215	4.6445	4.610649	4.428601	4.048869	4.051023	4.012537	4.348478	4.269646	4.184772	3.994729	3.93605	4.014786
RHOQ	ENSG00000119729	1.324059	5.432274	21.00242	7.62E-14	1.70E-11	22.02674	5.300954	5.355074	5.27123	6.810945	6.740045	6.705903	6.225168	6.247853	6.099406	4.261822	4.214605	4.136142	5.287859	5.306201	5.33267	5.067422	5.051448	5.088278
GPR75	ENSG00000119737	-0.46257	0.819217	-1.80692	0.088022	0.123128	-4.94228	1.430644	1.670392	1.453818	1.74141	1.718467	1.757653	2.01302	2.184314	1.674905	1.732907	1.851833	1.413989	0.907968	0.986036	0.910419	1.354562	1.289746	1.170016
SUPT7L	ENSG00000119760	-0.19922	6.204026	-3.97856	0.000926	0.002119	-1.81832	6.507427	6.412172	6.446046	6.209037	6.11379	6.164417	6.328113	6.35566	6.3632	6.222291	6.290423	6.238893	6.161037	6.066366	6.164677	5.977832	5.964444	6.050746
KLHL29	ENSG00000119771	-0.13562	-0.78495	-0.43146	0.671407	0.7208	-6.14897	3.551922	3.310847	3.607684	3.083078	3.457132	3.391835	2.832807	2.650616	2.869505	0.106501	0.106501	0.16959	0.106501	0.106501	0.263213	0.106501	0.106501	0.106501
DNMT3A	ENSG00000119772	0.21229	4.605667	3.954656	0.000976	0.002218	-1.69846	3.983545	3.872022	3.979882	3.80351	4.110665	4.241401	3.788265	3.736817	3.856018	5.344475	5.386997	5.454817	5.534949	5.672341	5.708238	5.203493	5.235609	5.220652
TMEM214	ENSG00000119777	0.559221	7.126128	8.385268	1.55E-07	1.13E-06	7.003389	6.874155	6.837953	6.855533	7.68191	7.658979	7.635128	7.347203	7.32133	7.431456	6.823389	6.829514	6.832601	7.198078	7.140433	7.120257	6.989862	6.97724	6.91118
ATAD2B	ENSG00000119778	-0.15716	5.031121	-2.03898	0.05687	0.083574	-5.56531	5.468578	5.334134	5.234814	5.363409	5.230876	5.494077	5.59402	5.708593	5.696813	4.886838	4.842882	4.776148	4.489986	4.561635	4.464508	4.717304	4.725598	4.815144
ATL2	ENSG00000119787	0.058628	6.375588	1.059936	0.303602	0.3659	-7.20271	6.258816	6.355404	6.225897	6.418735	6.444317	6.381113	6.666415	6.690439	6.675138	6.300766	6.363042	6.306242	6.27624	6.3253	6.337714	6.310517	6.327282	6.420456
YPEL5	ENSG00000119801	0.626415	5.546373	6.261098	7.59E-06	3.13E-05	3.137005	6.155679	6.166948	6.086081	6.436731	6.356762	6.35309	4.864381	5.178875	5.188519	5.15208	5.150274	5.191584	6.086587	6.157939	6.157205	4.55958	4.629187	4.597643
FAM98A	ENSG00000119812	0.168722	6.566111	4.107592	0.000698	0.001645	-1.56684	6.758559	6.837953	6.667134	6.980014	6.936766	7.038389	6.856232	6.823043	6.755833	6.229716	6.212782	6.276995	6.332804	6.356335	6.356323	6.32231	6.363693	6.373096
YIPF4	ENSG00000119820	0.108324	6.187494	1.762201	0.095514	0.132439	-6.25853	6.057576	6.134441	6.08236	6.20204	6.11136	6.057773	6.29303	6.267473	6.218085	6.306629	6.183153	6.252617	6.361153	6.423001	6.445932	6.144111	6.13424	6.067072
AFTPH	ENSG00000119844	-0.013	5.975565	-0.18694	0.853857	0.879229	-7.72457	5.825812	5.896035	5.884996	5.654037	5.684306	5.622881	5.931722	6.025209	5.980865	6.18458	6.15168	6.122141	6.25751	6.262366	6.317744	6.102439	6.04886	6.034234
LGALSL	ENSG00000119862	-0.28978	4.309175	-2.34565	0.031022	0.048443	-4.9081	4.245758	4.424018	4.370098	4.681208	4.485643	4.549901	4.164604	4.273815	4.235006	4.73162	4.506366	4.657367	3.928165	4.062207	4.114488	4.374256	4.495561	4.602629
CNRIP1	ENSG00000119865	0.766079	-1.2997	3.375839	0.00348	0.00686	-1.80661	2.345296	2.152784	2.37563	2.933382	3.093416	3.136338	2.376953	2.848856	2.892531	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CRIPT	ENSG00000119878	-0.12715	4.286256	-1.22177	0.238017	0.295123	-6.73946	3.792713	4.036608	4.109872	3.376187	3.151334	3.548316	3.841036	3.935218	4.00079	5.006941	5.069663	5.060406	5.111351	5.120493	5.076884	4.774615	4.854006	4.775955
EPCAM	ENSG00000119888	0.116615	4.520469	1.712546	0.104479	0.143252	-6.38469	1.519087	1.591918	1.202741	1.519216	1.373859	0.984419	0.670238	0.726566	0.925731	8.739117	8.71584	8.675723	8.781391	8.896378	8.848807	8.906402	8.873274	8.912051
SLC17A5	ENSG00000119899	0.556426	4.502215	6.525866	4.52E-06	2.00E-05	3.899351	4.527427	4.366251	4.43574	5.137544	5.039662	5.191857	5.08826	4.883536	5.03142	4.026306	4.219284	4.116262	4.376523	4.671739	4.492489	4.21775	4.333674	4.087723
OGFRL1	ENSG00000119900	-0.97593	6.902875	-10.4367	6.22E-09	8.07E-08	10.35148	6.940715	6.876741	6.881464	5.540275	5.561519	5.528939	6.735989	6.81121	6.70796	7.767191	7.752181	7.76387	7.039377	7.006996	7.059425	7.404701	7.551789	7.576317
SLF2	ENSG00000119906	0.125264	4.913432	0.910753	0.374815	0.439563	-7.07881	5.406168	5.387379	5.497679	5.969096	5.930216	5.963613	5.157514	5.306587	5.243285	4.596474	4.55159	4.488257	4.102013	4.331113	4.209066	4.450484	4.313961	4.499478
IDE	ENSG00000119912	0.365864	5.424858	3.425774	0.003119	0.006231	-2.79409	6.367034	6.329943	6.212339	6.898677	6.860687	7.009506	6.739468	6.7017	6.665144	4.332495	4.443776	4.235316	4.17569	4.259953	4.247105	4.32821	4.268595	4.416967
ELOVL3	ENSG00000119915	-0.10465	-0.75646	-0.22902	0.821513	0.852083	-6.12047	1.826927	1.947501	1.818408	2.063099	1.996426	2.064596	1.525136	1.491012	1.244857	0.34397	0.185134	0.288049	0.171976	0.106501	0.335616	0.326864	0.358227	0.497646
IFIT3	ENSG00000119917	-0.96409	4.839148	-6.63467	3.66E-06	1.67E-05	3.919627	3.236881	3.39414	3.443319	3.51817	3.656958	3.700636	3.490873	3.250449	3.373665	6.696948	6.655745	6.7912	5.487516	5.566222	5.576251	6.818775	6.913171	6.996997
IFIT2	ENSG00000119922	-0.9919	3.575969	-13.5022	1.11E-10	3.52E-09	14.71536	1.990546	2.125186	2.221741	2.063099	1.373859	1.840725	2.058296	1.760835	2.239236	5.934924	6.006304	6.014564	4.98725	5.043483	4.891173	6.008681	6.057777	6.100942
GPAM	ENSG00000119927	-0.28054	4.823504	-2.98966	0.008049	0.014537	-3.65476	5.468578	5.418975	5.399401	5.472108	5.387689	5.324049	5.570773	5.79224	5.713073	4.557665	4.529155	4.47583	3.88976	4.062207	3.945482	4.222335	4.357943	4.274271
CUTC	ENSG00000119929	-0.16658	4.162138	-1.90553	0.073297	0.10469	-5.51183	5.237197	5.231103	5.183625	5.087795	5.124043	5.159862	5.374422	5.435516	5.404147	3.536933	3.365114	3.532043	3.165832	3.301515	3.126936	3.16242	3.225651	3.107809
PPP1R3C	ENSG00000119938	0.613464	5.297671	3.624119	0.002019	0.004242	-2.15217	7.293213	7.185623	7.06332	8.074981	7.89906	8.025827	7.667907	7.851985	7.80963	3.206534	3.330936	3.332842	3.02232	3.054776	2.95373	3.133504	2.934355	3.241681
PYROXD2	ENSG00000119943	-0.02588	1.73959	-0.19035	0.851228	0.877013	-6.68303	2.707144	2.674627	2.758051	2.605941	2.460774	2.961768	2.303642	2.540248	2.560038	1.814181	1.777644	1.933468	1.897591	1.846087	1.722572	1.177011	1.581179	1.546329
CNNM1	ENSG00000119946	0.472099	-0.45	2.343452	0.03116	0.048648	-3.85888	4.165822	4.150501	4.080323	4.532944	4.594038	4.707606	3.953155	3.946081	3.733845	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MXI1	ENSG00000119950	0.966834	4.059822	11.11627	2.37E-09	3.71E-08	11.66059	3.487617	3.686213	3.597291	4.272916	4.139571	4.337497	3.733489	3.749274	3.924645	3.864012	4.127684	3.663876	4.898157	5.003379	4.848508	4.365992	4.555551	4.461559
SMNDC1	ENSG00000119953	-0.36246	5.372067	-6.08807	1.07E-05	4.20E-05	2.85212	5.883176	5.770277	5.794633	5.643745	5.450555	5.513197	5.473848	5.737018	5.616111	5.391578	5.267851	5.322271	4.922141	4.965115	4.851597	5.175396	5.209172	5.365554
C10orf88	ENSG00000119965	-0.10716	3.424377	-0.77279	0.449974	0.514035	-6.73637	4.595114	4.706012	4.786199	4.525489	4.120365	4.379778	4.702691	4.765849	4.726452	2.444376	2.469748	2.382761	2.791825	2.770668	2.833866	2.639009	2.585506	2.464474
HELLS	ENSG00000119969	-1.67605	4.306261	-8.85213	7.16E-08	5.97E-07	8.230681	4.702888	4.594711	4.676925	3.988393	3.820593	4.018682	4.730929	4.80814	4.6676	5.109782	5.074835	5.045767	2.995443	2.962168	2.833866	4.936827	4.984438	5.12686
TCTN3	ENSG00000119977	0.327903	5.956766	5.372484	4.61E-05	0.00015	1.283082	6.645222	6.604321	6.603642	7.106565	7.040026	7.040587	6.304819	6.308036	6.287046	5.27918	5.316696	5.301295	5.416688	5.583812	5.457569	5.117505	5.176796	5.11644
DENND10	ENSG00000119979	0.840712	4.725632	12.87742	2.37E-10	6.09E-09	13.98928	4.829349	4.756352	4.874926	5.797117	5.754503	5.722075	5.59402	5.682848	5.709835	3.851231	3.780465	3.738597	4.36607	4.467913	4.427716	4.213151	4.25315	4.370952
AVPI1	ENSG00000119986	-0.46602	5.700915	-4.25679	0.000503	0.001234	-0.84774	8.16346	8.107662	8.236439	7.652268	7.73118	7.5833	8.470939	8.268049	8.39858	3.591745	3.509623	3.754117	3.374919	3.453829	3.361763	3.341669	3.449945	3.498643
WDR11	ENSG00000120008	0.529589	5.76874	10.64038	4.64E-09	6.40E-08	10.80356	6.169409	6.180419	6.244333	6.767367	6.70502	6.844446	6.41117	6.438765	6.344535	4.908591	5.032928	4.909182	5.286012	5.384121	5.542234	5.041713	5.045483	5.130317
ARMH3	ENSG00000120029	0.054767	4.763184	0.922428	0.368864	0.433762	-6.9914	5.449012	5.458213	5.420189	5.547654	5.442845	5.619944	5.733141	5.767957	5.703339	4.003384	4.127684	4.087963	4.037603	4.062207	4.088533	4.208537	4.005291	4.087723

GOT1	ENSG00000120053	-0.56173	5.806705	-6.7279	3.06E-06	1.43E-05	4.09073	6.387736	6.426375	6.388437	6.144804	6.106488	6.190386	6.288287	6.35158	6.295708	5.77326	5.71148	5.77441	4.952736	4.859959	4.87608	5.500074	5.502682	5.502565
C10orf95	ENSG00000120055	0.000595	-1.27038	0.002067	0.998374	0.998615	-6.41807	0.41387	0.215206	0.219246	0.258133	0.25478	0.106501	0.106501	0.106501	0.39151	1.315703	1.335727	1.094478	1.308151	1.462417	1.284217	1.13872	1.024588	1.461048
GNA13	ENSG00000120063	-0.07171	6.614196	-1.57749	0.13261	0.176867	-6.58963	6.408146	6.320848	6.443147	6.458425	6.313024	6.259951	6.477256	6.654464	6.47992	6.879539	6.906959	6.849558	6.75018	6.799338	6.81543	6.802028	6.832333	6.880718
KANSL1	ENSG00000120071	0.320211	5.629366	5.988779	1.30E-05	5.01E-05	2.575591	5.000411	5.134056	5.141325	5.525403	5.507103	5.547605	5.586312	5.578506	5.570437	5.769868	5.870134	5.766779	6.020359	6.058	6.018381	5.940756	5.926002	5.91704
HOXB5	ENSG00000120075	0.53624	-1.77433	1.608927	0.125545	0.16859	-4.93677	1.791852	1.508929	1.585853	2.143217	2.155834	2.5075	1.240874	1.760835	1.674905	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
DUSP1	ENSG00000120129	-0.45936	6.753215	-3.06154	0.006894	0.012685	-3.77366	8.254836	8.127792	8.149298	7.574932	7.702408	7.539677	8.489136	8.472997	8.503729	5.675147	5.672774	5.803293	5.490727	5.408455	5.439201	5.146741	5.23036	5.243178
PANK3	ENSG00000120137	-0.28152	7.077295	-6.60033	3.91E-06	1.77E-05	3.667499	7.355344	7.273883	7.359283	7.136235	7.062841	7.224869	7.128486	7.251895	7.13465	7.184092	7.232095	7.119462	6.784602	6.853517	6.80431	6.86422	6.871634	6.949844
MSX2	ENSG00000120149	0.266807	-0.17688	1.311603	0.206623	0.26039	-5.46306	4.664623	4.663476	4.817878	5.009799	4.992907	4.960699	4.487843	4.282412	4.66091	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RCL1	ENSG00000120158	-0.37224	5.626309	-5.91557	1.51E-05	5.68E-05	2.41394	5.575566	5.685425	5.369174	4.915985	5.013874	4.864722	5.286782	5.237527	5.179186	6.208578	6.143088	6.22132	6.008086	5.921708	5.977952	6.072282	6.059258	6.099179
CAAP1	ENSG00000120159	0.226881	4.170562	3.292935	0.00417	0.008082	-2.93575	4.138162	4.262405	4.229112	4.3081	4.327153	4.308605	4.583863	4.519046	4.372382	4.13575	3.907656	4.03812	4.234338	4.354074	4.368551	4.194605	4.065478	4.18401
MOB3B	ENSG00000120162	1.618329	1.661258	5.860833	1.69E-05	6.25E-05	3.004544	1.286899	1.915637	1.54317	1.578054	1.864131	1.880533	1.762502	1.605065	2.047395	1.787595	1.989662	1.915176	3.725018	3.552417	3.824901	1.880661	1.766644	2.119598
INSL4	ENSG00000120211	0.594596	2.667222	2.520092	0.021712	0.03529	-3.77723	5.866415	5.916304	5.916691	6.562258	6.528683	6.534028	5.729647	5.592401	5.760779	1.073118	0.462741	1.027938	0.5125	0.837535	0.862212	0.576451	0.69947	0.805046
CD274	ENSG00000120217	-0.2642	5.20918	-1.20479	0.244345	0.302154	-6.74864	5.075249	5.066741	5.137743	5.746715	5.454395	5.578188	6.767002	6.758264	6.871895	4.809665	4.818421	4.972471	3.697489	3.752319	3.780199	5.452087	5.478535	5.428683
NUP43	ENSG00000120253	0.220775	4.855944	2.780896	0.012573	0.021662	-4.14725	4.654895	4.639292	4.453135	4.772209	4.900234	4.844735	5.157514	5.495903	5.342774	4.7455	4.761819	4.692697	4.955062	4.944083	4.804542	5.03391	4.99066	5.144062
MTHFD1L	ENSG00000120254	-0.69015	6.23195	-11.6031	1.22E-09	2.20E-08	12.11738	6.926636	6.970834	6.965692	6.20204	6.091772	6.180453	6.426359	6.563926	6.500674	6.244453	6.130724	6.16921	5.629755	5.583812	5.624013	6.138057	6.111581	6.084997
LRP11	ENSG00000120256	0.986247	5.910883	13.18245	1.63E-10	4.67E-09	14.21128	5.42632	5.384472	5.426074	6.33592	6.325656	6.410303	6.034424	6.212301	6.002193	5.506075	5.542561	5.521329	6.454562	6.555692	6.517712	5.777454	5.688306	5.736026
PCMT1	ENSG00000120265	-0.05482	5.48804	-1.09252	0.289435	0.350755	-7.02083	5.752454	5.761341	5.668751	5.587578	5.575689	5.556848	5.897874	6.020078	5.96466	5.238045	5.19846	5.168603	5.150455	5.221337	5.341488	5.428474	5.356168	5.499895
PLEKHG1	ENSG00000120278	0.607666	2.021143	5.71727	2.26E-05	8.03E-05	2.227741	0.947665	1.226787	1.088647	0.934951	0.389229	0.909432	0.415731	0.387194	0.39151	4.848768	4.669105	4.700729	5.387698	5.408455	5.418515	4.458278	4.525868	4.461559
CYSTM1	ENSG00000120306	1.210199	4.928818	8.915201	6.46E-08	5.49E-07	8.247673	4.95357	4.921884	4.848876	6.519742	6.476771	6.445565	5.925627	6.020078	6.038775	3.851231	3.754913	3.824415	4.260913	4.525683	4.372859	4.222335	4.391248	4.422617
WDR55	ENSG00000120314	0.40731	6.446511	8.134833	2.38E-07	1.62E-06	6.611786	6.072266	6.081574	6.042692	6.608857	6.608387	6.60109	6.52843	6.381898	6.439449	6.387415	6.410864	6.476521	6.786563	6.7229	6.6398	6.527953	6.53525	6.49475
ARAP3	ENSG00000120318	-0.21299	4.031486	-2.11046	0.049512	0.073781	-5.36966	3.747663	3.494617	3.871922	3.359513	3.502343	3.535905	3.158032	3.178579	3.104585	4.835851	4.806033	4.77868	4.707079	4.545767	4.613913	5.105146	5.051448	4.969789
PCDHB8	ENSG00000120322	1.239842	1.293624	7.617334	5.91E-07	3.50E-06	6.195136	0.106501	0.215206	0.512639	1.022291	0.92021	1.055701	0.415731	0.824004	0.39151	3.60703	3.675424	3.625013	4.612964	4.753456	4.642737	4.010719	3.992947	4.014786
PCDHB10	ENSG00000120324	2.306031	0.687606	5.161533	7.18E-05	0.000221	1.725131	0.106501	0.215206	0.421314	2.605941	2.229385	2.288255	1.317361	1.082132	0.833554	1.555182	1.725977	1.514616	2.42639	2.642244	2.513282	2.013561	2.190809	2.397196
PCDHB14	ENSG00000120327	1.439445	2.884531	6.93954	2.05E-06	1.02E-05	4.979564	1.384302	1.670392	1.706811	3.887325	3.759832	3.828257	3.072345	2.848856	2.670735	3.08079	3.1855	2.974933	3.850304	3.86531	3.849837	3.455083	3.511821	3.466183
PCDHB12	ENSG00000120328	1.200915	-0.01488	4.461623	0.000322	0.000833	0.327834	0.503316	0.215206	0.421314	1.393812	1.006428	0.984419	0.983587	1.082132	0.629397	1.158593	1.07167	1.248523	1.420179	1.591687	1.775589	1.599785	1.613793	1.222783
MRPS14	ENSG00000120333	-0.00682	4.974047	-0.09421	0.926013	0.939469	-7.53868	5.180696	5.140963	5.267957	5.26388	5.044764	5.179942	5.440037	5.443204	5.375831	4.721121	4.866934	4.909182	4.871306	4.853528	4.804542	4.677792	4.672404	4.675424
CENPL	ENSG00000120334	-0.82361	4.198264	-7.22339	1.21E-06	6.44E-06	5.323965	4.416666	4.275018	4.37619	3.966538	4.110665	4.045196	4.591583	4.68386	4.825493	4.541844	4.580969	4.583999	3.310958	3.591587	3.533199	4.507942	4.551348	4.572451
GORAB	ENSG00000120370	0.196707	3.897525	2.507492	0.022285	0.036097	-4.48365	3.836399	3.952741	4.131643	4.367681	4.071202	4.434292	4.011872	4.166444	4.011347	3.709722	3.970058	3.819506	3.92342	3.846002	3.968435	3.836267	3.942484	3.914098
ACAT2	ENSG00000120437	-0.30397	4.815276	-4.79142	0.000158	0.000442	0.280419	5.606174	5.564777	5.514348	5.077635	5.253089	5.331249	5.916435	6.027768	5.872122	4.237473	4.082178	4.205521	3.92342	3.958151	3.939687	4.515433	4.343431	4.376785
TCP1	ENSG00000120438	-0.36985	8.416829	-8.91576	6.45E-08	5.49E-07	7.831568	8.8066	8.852402	8.800841	8.547119	8.493794	8.509947	8.651673	8.640348	8.616934	8.365309	8.310417	8.340892	7.920723	7.930132	7.875696	8.303358	8.282907	8.334081
SNX19	ENSG00000120451	0.305739	6.812748	7.919633	3.46E-07	2.23E-06	6.179025	6.292142	6.255527	6.282136	6.704387	6.728993	6.691987	6.371361	6.415505	6.317141	7.135506	7.196946	7.112956	7.385278	7.336486	7.346266	7.120248	7.093094	7.09047
MSANTD2	ENSG00000120458	0.129553	3.10538	1.399385	0.179195	0.229748	-6.21558	2.668993	2.71221	2.700947	3.273122	2.85862	2.980206	2.667326	3.063581	2.846105	3.544892	3.953305	3.532043	3.708564	3.688714	3.665494	3.70484	3.675254	3.744016
PDZD11	ENSG00000120509	0.280647	5.874191	7.380266	9.07E-07	5.03E-06	5.310933	5.918158	5.971588	5.994	6.281638	6.203217	6.231372	6.151346	6.161941	6.164702	5.587318	5.525662	5.589242	5.786914	5.907809	5.830721	5.635142	5.633692	5.622786
SLC10A7	ENSG00000120519	-0.01701	3.092398	-0.18913	0.85217	0.877745	-7.10474	2.917019	3.100202	3.119366	2.840308	2.904251	3.200652	3.050103	3.506713	3.306673	3.42926	3.406729	3.339716	3.469097	3.203781	3.478287	3.567454	3.431768	3.398988
NUDCD1	ENSG00000120526	-0.31921	6.322873	-6.06457	1.12E-05	4.39E-05	2.63375	6.010678	6.05805	6.038856	5.456512	5.565074	5.547605	5.853613	5.795247	5.591697	7.030301	7.013156	7.004666	6.877689	6.780817	6.797917	6.974997	6.866568	6.910175
ENY2	ENSG00000120533	-0.16911	6.483672	-3.43437	0.003061	0.006129	-3.05439	6.383325	6.359851	6.304671	6.004384	6.089305	5.965928	6.259498	6.245657	6.195117	6.81683	6.828749	6.893434	6.74077	6.80851	6.838972	6.683176	6.793713	6.799453
MASTL	ENSG00000120539	-0.34255	3.885042	-1.92943	0.070074	0.100551	-5.43568	4.051848	3.944869	4.138828	4.333937	4.335505	4.330328	4.666597	4.814082	4.592248	3.772076	3.709078	3.748962	2.911671	2.837366	2.858649	4.394709	4.195062	4.236277
KIAA1217	ENSG00000120549	-0.10457	5.03607	-0.55394	0.586639	0.644144	-7.44323	5.727148	5.642269	5.703085	4.674482	4.58706	4.819357	4.902122	4.603806	4.680887	5.032639	5.027603	4.92983	5.558094	5.534411	5.485683	4.684453	4.936897	4.95427
PLXDC2	ENSG00000120594	2.095891	-1.00528	7.180902	1.31E-06	6.91E-06	5.608301	0.106501	0.106501	0.219246	0.106501	0.25478	0.3528	0.269385	0.106501	0.39151	1.239286	0.986408	0.993481	2.749557	2.756951	2.416453	1.599785	1.82352	1.703111
EPC1	ENSG00000120616	0.235058	4.707725	3.266451	0.004418	0.008508	-3.10175	4.833667	4.809337	4.706239	4.982834	4.807214	5.076625	5.066264	5.241941	5.082376	4.497421	4.570022	4.293123	4.718081	4.722029	4.67449	4.667743	4.547132	4.467038
CCDC77	ENSG00000120647	-0.04968	3.359145	-0.56266	0.580814	0.638658	-6.91339	4.131163	4.12286	4.262385	4.359318	4.091068	4.10523	4.174919	4.166444	4.252911	2.930935	2.877496	2.930089	2.852992	2.938056	2.589286	3.001034	2.854728	2.629903
TAF12	ENSG00000120656	-0.10441	5.217739	-2.10953	0.049601	0.073899	-5.56812	4.97718	4.953612	4.883506	4.619522	4.681813	4.662649	4.568297	4.59002	4.807433	5.788424	5.837031	5.860576	5.850787	5.818179	5.786202	5.65732	5.607615	5.726921
ENOX1	ENSG00000120658	0.896673	1.9344	2.572398	0.019481	0.032018	-3.67845	4.073915	3.904854	4.087767	4.982834	5.166794	5.085168	4.235306	4.09991	4.042563	1.278001	1.112482	1.126631	0.656707	1.203912	0.812339	0.789161	0.871168	0.214669
MTRF1	ENSG00000120662	0.396768	3.575354	4.553292	0.000264	0.000697	-0.10492	3.300651	3.439663	3.217639	3.57705	3.329147	3.306732	3.571163	3.659726	3.421943	3.818776	3.70241	3.71764	4.203356	4.269646	4.279586	3.787601	3.961615	4.007286
DNAJC15	ENSG00000120675	-0.24744	5.222398	-5.39297	4.42E-05	0.000145	1.417862	5.658224	5.651972	5.618241	5.384166	5.253089	5.349094	5.498697	5.356295	5.451432	5.117808	5.137972	5.229089	5.036421	4.997558	4.920894	5.059757	5.072132	4.930673
PROSER1	ENSG00000120685	-0.06248	5.988202	-0.61709	0.545134	0.605359	-7.54855	6.016387	5.99274	6.0078	5.452586	5.419464	5.671913	6.002927	5.801241	5.92891	6.160176	6.19032	6.100044	6.466844	6.308941	6.361751	6.073551	6.09435	6.164701
UFM1	ENSG00000120686	0.077518	6.775052	2.046983	0.055999	0.082371	-5.84514	6.808768	6.813305	6.766727	6.907307	6.747888	6.785381	6.778885	6.839158	6.851475	6.71028	6.683097	6.675742	6.791779	6.86075	6.803513	6.719303	6.7713	6.880718
WBP4	ENSG00000120688	-0.29633	4.165859	-4.92685	0.000118	0.000343	0.599255	4.456406	4.484999	4.242513	4.062381	4.177232	4.194794	4.235306	3.978187	4.198517	4.472601	4.369954	4.503642	4.080861	4.274468	4.109334	4.240529	4.162364	4.203832
ELF1	ENSG00000120690	0.799776	6.3847	8.179134	2.21E-07	1.52E-06	6.691993	5.729467	5.718121	5.693359	6.910172	6.794071	6.975445	6.266749	6.271797	6.152831	6.379648	6.411886	6.450559	6.884419	6.848675	6.959862	6.295367	6.210856	6.304372
HSPH1	ENSG00000120694	0.007416	8.923994	0.071451	0.94385	0.953885	-8.0006	8.272039	8.2542	8.212379	8.692341	8.570539	8.619134	8.375224	8.312798	8.358313	9.510463	9.436837	9.428401	9.174608	9.168713	9.174733	9.741307	9.70566	9.683365
KBTBD7	ENSG00000120696	0.206673	4.311587	2.90666	0.009618	0.017051	-3.78242	4.381709	4.256058	4.320409	4.667726	4.764552	4.645422	4.512454	4.690335	4.520155	4.151473	4.228596	4.389024	4.344933	4.269646	4.333621	4.156784	4.151298	4.157149
ALG5	ENSG00000120697	-0.09144	5.123979	-1.67434	0.111864	0.152117	-6.23937	4.825019	4.937835	4.844488	4.988267	4.842803	4.859751	5.099133	5.117737	5.026224	5.510146	5.430014	5.490774	5.26366	5.384121	5.29458	5.388239	5.370553	5.326909
EXOSC8	ENSG00000120699	-1.38454	4.762169	-19.8927	1.90E-13	3.24E-11	21.11296	5.38573	5.337144	5.254791	4.020568	3.747367	4.018682	4.723921	4.976535	4.687485	5.449962	5.415817	5.542338	4.222798	4.084346	4.25646	5.19652	5.146465	5.311765
ETF1	ENSG00000120705	-0.34549	8.778205	-7.72331	4.89E-07	2.97E-06	5.702323	9.024332	9.005935	8.964705	8.548499	8.548704	8.516673	8.928462	8.993429	8.958502	8.879677	8.819042	8.858244	8.589928	8.618907	8.629646	8.727281	8.702079	8.75521
TGFBI	ENSG00000120708	0.627662	11.44172	4.730373	0.00018	0.000497	-0.48809	12.47234	12.46076	12.48142	13.61803	13.55296	13.52987	12.80737	12.74217	12.80888	10.13325	10.00945	10.06699	10.14137	10.11127	10.1535	9.631518	9.599361	9.646118
FAM53C	ENSG00000120709	-0.93365	6.355949	-5.61462	2.79E-05	9.65E-05	1.734625	7.129899	7.125956	7.072729	5.325276	5.589722	5.510028	6.778885	6.71922	6.785351	6.536564	6.47291	6.426546	6.181053	6.124944	6.102489	6.247814	6.326052	6.299774
SIL1	ENSG00000120725	0.126277	6.065758	2.177114	0.043443	0.065516	-5.49287	6.600314	6.575297	6.667134	6.801717	6.854888	6.798429	6.600985	6.535438	6.631323	5.373815	5.380746	5.546801	5.487516	5.476997	5.467673	5.64542	5.560291	5.612936
PAIP2	ENSG00000120727	-0.01313	6.628646	-0.17937	0.85971	0.884104	-7.80166	6.330838	6.394941	6.35026	6.220625	6.049244	6.113125	6.618096	6.659423	6.582599	6.831546	6.828749	6.884647	6.945958	6.994629	7.033132	6.918907	6.894213	6.941013
KDM3B	ENSG00000120733	0.265023	6.880853	6.626471	3.72E-06	1.70E-05	3.732043	6.764225	6.768296	6.805619	6.94132	6.918814	7.018455	6.984915	6.885038	6.88917	6.751271	6.827217	6.703321	7.064917	7.099577	7.108682	6.847253	6.836657	6.86835
EGR1	ENSG00000120738	-0.96932	3.729699	-10.9054	3.18E-09	4.73E-08	11.34233	3.223781	3.057038	2.900124	1.457877	1.953662	1.623325	2.957542	2.848856	3.124172	5.445717	5.391149	5.516787	4.610014	4.686287	4.610269	5.642002	5.729813	5.605504
SERP1	ENSG00000120742	1.057454	7.043426	17.20325	2.14E-12	1.96E-10	18.59728	5.966143	5.998455	6.059826	7.333763	7.295752	7.29006	7.474788	7.442307	7.403676	6.493004	6.56768	6.527083	7.329876	7.425349	7.372315	7.657093	7.703911	7.663003
PLS1	ENSG00000120756	-0.33245	5.872418	-3.76482	0.001482	0.003209	-2.26756	5.795144	5.848305	5.771708	5.147291	5.059965	5.183924	5.704947	5.682848	5.489686	6.399536	6.463081	6.420884	6.308443	6.32994	6.279253	6.053108	6.156548	6.084997
ZFP30	ENSG00000120784	0.956402	3.206986	8.857446	7.10E-08	5.94E-07	8.24936	2.245129	2.09705	2.621113	2.48816	2.520598	2.581827	2.696258	2.848856	2.530983	3.798946	3.793073	3.81458	4.893312	4.853528	4.826692	4.137495	4.11758	4.223386
NR2C1	ENSG00000120798	0.14053	4.858681	2.556217	0.020147	0.032999	-4.64998	4.740165	4.609725	4.720675	4.772209	4.694855	4.580436	4.576101	4.637703	4.694053	5.144243	5.092794	5.123508	5.338642	5.341097	5.339289	4.908658	5.069195	4.996553
UTP20	ENSG00000120800	-0.65418	6.830829	-9.32763	3.34E-08	3.17E-07	8.637304	7.816623	7.787801	7.902035	6.922996	6.928508	7.043877	7.356296	7.226503	7.194936	6.599055	6.653153	6.480414	6.150924	6.092543	6.229054	6.302962	6.208188	6.313524
TMPO	ENSG00000120802	-1.37739	6.857597	-9.7235	1.80E-08	1.92E-07	9.299578	7.512395	7.437793	7.494946	6.69611	6.760349	6.596615	7.702186	7.707847	7.621746	7.110251	7.143179	7.176729	5.215949	5.218837	5.253122	7.074706	6.970173	7.023265
ARL1	ENSG00000120805	-0.11712	6.563987	-2.76095	0.013116	0.022485	-4.4381	7.149947	7.18228	7.111591	6.97865	6.910452	7.00726	7.238302	7.190414	7.23377	6.063762	6.062062	6.101056	6.023688	5.986328	6.076316	6.01794	6.057777	6.06346
MTERF2	ENSG00000120832	0.28454	2.99063	2.390661	0.028315	0.044671	-4.46222	3.397161	3.128277	3.28395	3.851999	3.844198	3.27721	3.315502	3.491964	3.437684	2.943032	3.076267	2.826234	2.995443	3.120528	3.137101	2.77004	2.755911	2.464474
SOCS2	ENSG00000120833	-1.02208	2.537687	-3.26816	0.004402	0.008481	-2.46231	3.967917	4.150501	4.188143	2.577385	2.333126	2.5075	4.411387	4.166444	4.243986	1.704765	1.922393	2.055402	2.112949	2.127698	2.220059	1.992244	2.190809	2.033602
NFYB	ENSG00000120837	-0.071	5.019502	-1.35251	0.193453	0.245705	-6.62389	5.316463	5.24399	5.393406	5.20443	5.119213	5.25	5.418495	5.5324	5.351109	4.699893	4.768219	4.72456	4.673561	4.634714	4.836082	5.03391	4.971913	5.011626
WASHC3	ENSG00000120860	0.593811	4.034864	8.062182	2.70E-07	1.81E-06	6.853715	3.86199	4.087546	3.979882	4.727426	4.558804	4.580436	4.000319	4.290959	4.261781	3.716784	3.836353	3.71764	4.114557	4.416485	4.237689	3.940112	3.84969	4.073428
APAF1	ENSG00000120868	0.584142	3.572076	7.383682	9.02E-07	5.01E-06	5.702861	3.691678	3.863696	3.62825	4.254996	4.42432	4.598452	3.676552	3.672864	3.586306	3.376719	3.509623	3.276636	3.768	3.772912	3.799527	3.26375	3.138674	3.241681
DUSP4	ENSG00000120875	-0.39373	8.283319	-2.81189	0.011773	0.020404	-4.4525	9.487795	9.408877	9.465264	9.521813	9.52534	9.48983	9.604432	9.619016	9.656112	7.33458	7.299923	7.444047	6.454562	6.363142	6.378985	7.467358	7.401698	7.303726
CLU	ENSG00000120885	1.422618	8.847399	12.03413	6.90E-10	1.41E-08	12.56664	10.28363	10.26052	10.33162	11.40269	11.45284	11.35397	10.40987	10.31804	10.40291	6.428863	6.283738	6.417639	8.29367	8.232626	8.190441	6.473226	6.464368	6.383273
TNFRSF10E	ENSG00000120889	-1.22272	7.794153	-15.1762	1.68E-11	9.05E-10	16.46406	9.203914	9.180744	9.207624	8.044662	7.983859	8.051666	9.233653	9.218423	9.199712	7.426837	7.396037	7.36665	6.118076	6.102069	6.162191	6.926654	6.8306	6.804871
SORBS3	ENSG00000120896	0.227416	5.688206	3.052304	0.007032	0.012914	-3.76028	5.750171	5.900111	5.771708	5.778422	5.965622	5.796796	5.582443	5.521547	5.474506	5.45208	5.444072	5.659606	5.902337	5.906256	5.879974	5.72834	5.789916	5.603018
PTK2B	ENSG00000120899	-1.13884	5.389269	-8.74888	8.48E-08	6.88E-07	7.784164	5.437711	5.460976	5.287484	4.714371	4.917027	4.67402	4.358069	4.421231	4.467457	6.626504	6.516329	6.559097	5.250459	5.25832	5.250784	6.176366	6.162072	6.184789
PPP3CC	ENSG00000120910	0.017771	3.095033	0.197026	0.84608	0.872735	-7.03285	3.738482	3.35903	3.801232	3.605613	3.47236	3.711713	3.586698	3.685883	3.572114	2.881509	2.877496	2.87437	2.862939	2.888589	3.064395	2.807136	2.947209	3.050576
PDLIM2	ENSG00000120913	0.567221	3.620888	4.837704	0.000143	0.000405	0.367379	2.780548	2.853456	2.933559	2.48816	2.948483	2.288255	2.724622	2.753138	2.530983	4.346223	4.602618	4.72456	5.331496	5.255884	5.296849	4.720549	4.714363	4.632189
EPHX2	ENSG00000120915	0.867856	3.881178	4.358159	0.000403	0.001013	-0.60156	4.088441	4.065935	3.987862	3.898911	4.091068	4.027574	3.747379	3.786013	3.856018	3.496465	3.774119	3.573456	5.025392	4.859959	5.082154	3.423579	3.537548	3.398988
RNF170	ENSG00000120925	0.297823	4.78236	3.892199	0.00112	0.002498	-1.79236	4.833667	4.769782	4.808898	4.772209	4.648682	4.93257	4.779054	4.814082	4.764393	4.626786	4.682721	4.676498	5.119672	5.24855	5.105638	4.76522	4.857415	4.840691
UBIAD1	ENSG00000120942	-0.12335	5.418869	-2.00956	0.060176	0.087843	-5.7695	5.343965	5.281977	5.176661	5.171375	5.185395	5.421721	4.857993	4.905964	4.674259	5.942476	5.944071	5.927126	5.761881	5.786458	5.704825	5.70232	5.722354	5.671054
TARDBP	ENSG00000120948	-0.25518	6.833253	-3.31468	0.003977	0.007747	-3.33422	6.524888	6.688047	6.507006	6.653998	6.613547	6.676523	6.856232	6.907443	6.924509	7.175146	7.112699	7.153997	6.645301	6.604381	6.652257	7.185682	7.128088	7.226695
ZNF706	ENSG00000120963	-0.22145	6.246337	-3.15781	0.005596	0.010522	-3.6201	6.122537	6.088736	6.069258	5.615935	5.525471	5.566032	5.952856	6.045554	6.114173	6.632118	6.642742	6.635806	6.582726	6.64591	6.62543	6.711172	6.610913	6.611893
LYPLA1	ENSG00000120992	-0.26704	7.132113	-6.2385	7.93E-06	3.25E-05	2.92864	6.973367	6.868442	6.831347	6.692786	6.571739	6.609997	7.117833	7.060236	7.041151	7.52717	7.490022	7.514847	7.172811	7.287828	7.274984	7.446937	7.558087	7.533879
CRISPLD1	ENSG00000121005	1.149386	4.005648	5.843906	1.75E-05	6.43E-05	2.751101	4.511345	4.522504	4.412214	5.815573	5.763816	5.699996	6.017329	6.032872	5.942765	2.664903	2.714733	2.627101	3.004458	3.243672	3.378997	2.611312	2.784842	2.760563
COPS5	ENSG00000121022	-0.15489	6.244505	-3.03102	0.007363	0.013447	-3.88554	6.169409	6.160165	6.20893	5.944151	5.836231	5.928437	6.130298	6.112173	6.121501	6.578847	6.534276	6.539079	6.487083	6.433818	6.526438	6.352947	6.292449	6.400554
RDH10	ENSG00000121039	-0.05022	5.090015	-0.21593	0.831542	0.860304	-7.54088	4.758449	4.95753	4.978671	5.904469	5.687572	5.904501	5.324334	5.352217	5.466856	5.288691	5.361828	5.311821	4.379991	4.321825	4.516048	5.049474	4.920695	4.95427
AKAP1	ENSG00000121057	0.114916	6.742149	2.056476	0.054983	0.081009	-5.81958	6.770995	6.812224	6.746881	7.024325	7.137581	7.081724	6.998046	6.840614	6.893457	6.650677	6.574087	6.574477	6.559212	6.5287	6.5303	6.653778	6.598745	6.635195
COIL	ENSG00000121058	-0.09437	5.36013	-1.4332	0.169446	0.218667	-6.60479	5.468578	5.533626	5.449376	5.20443	5.089893	5.234723	5.405414	5.595854	5.515873	5.24783	5.384916	5.230939	5.338642	5.401859	5.326021	5.52441	5.489561	5.689918
TRIM25	ENSG00000121060	-0.54718	7.442381	-10.8607	3.39E-09	4.99E-08	10.94632	7.703219	7.656598	7.720006	7.074996	7.133995	7.112348	7.424884	7.371549	7.34854	7.655387	7.644547	7.693503	7.165797	7.14439	7.173698	7.689324	7.711465	7.694869
SCPEP1	ENSG00000121064	1.039966	5.946035	13.73416	8.45E-11	2.92E-09	14.89222	5.86008	5.798943	5.671231	6.990882	7.101308	7.081724	5.97958	6.214549	6.054173	5.312197	5.334056	5.378429	6.096106	6.132932	6.112827	5.47532	5.444943	5.453733
SPOP	ENSG00000121067	0.285278	5.453361	2.80599	0.011921	0.020636	-4.22031	5.067938	5.063109	5.137743	5.44865	5.287935	5.391041	5.843949	5.842522	5.839908	5.395984	5.43203	5.487683	5.730985	5.695898	5.671993	5.529969	5.408227	5.499895
TBX2	ENSG00000121068	0.37059	2.41875	1.270928	0.22041	0.275861	-5.61238	6.538177	6.675021	6.731518	6.92583	7.196082	7.056966	6.723746	6.562162	6.610642	0.609835	0.524532	0.54756	0.352262	0.345231	0.335616	0.183756	0.504542	0.315289
SLC35B1	ENSG00000121073	1.267281	5.653443	9.003214	5.60E-08	4.88E-07	8.266948	4.921476	4.826575	4.921495	6.818591	6.564651	6.60555	6.593315	6.654464	6.658443	4.656475	4.81224	4.808717	5.471352	5.462279	5.41643	5.750728	5.667096	5.756303
FAM117A	ENSG00000121104	0.354209	1.021241	2.031184	0.05773	0.084628	-4.81372	1.010037	1.277811	1.088647	1.022291	1.006428	0.657796	0.983587	1.549165	1.01237	2.30136	1.989662	2.038602	2.626498	2.517623	2.618601	2.247458	2.190809	2.350536
NCAPH	ENSG00000121152	-1.82677	4.367951	-6.2498	7.76E-06	3.19E-05	3.475846	4.669462	4.644161	4.706239	4.263984	4.258538	4.162865	5.162706	5.174263	5.07736	5.063439	5.125563	5.174383	2.412911	2.565626	2.34809	5.153958	5.171328	5.223892
LRAT	ENSG00000121207	-1.59455	2.457036	-5.36294	4.70E-05	0.000153	1.835953	3.738482	3.812706	3.533304	1.393812	1.307481	1.714252	1.459147	1.430416	1.38134	3.93235	3.619889	3.754117	2.706013	2.642244	2.730245	3.617041	3.612085	3.761956
TMEM131I	ENSG00000121210	0.152003	5.435868	1.42392	0.172078	0.221641	-6.65406	5.531062	5.501788	5.571218	5.254892	5.133653	5.257578	5.257962	5.38452	5.44755	5.337619	5.508563	5.43409	5.898716	5.921708	5.896523	5.365622	5.370553	5.391714
MND1	ENSG00000121211	-2.00571	2.775953	-11.22	2.05E-09	3.29E-08	11.88775	3.911847	3.896716	3.906009	2.548252	2.660129	2.825643	3.719464	3.724251	3.733845	3.471629	3.348126	3.393562	1.27873	1.393161	1.355599	3.209363	3.215061	3.079476
TRIM6	ENSG00000121236	-0.70351	3.16592	-5.30383	5.32E-05	0.000171	1.663568	3.487617	3.417081	3.565652	3.103249	3.410458	3.321269	3.388228	3.564249	3.668646	3.709722	3.748453	3.71764	2.842976	2.686334	2.795875	2.979529	3.215061	3.279535
TENT4B	ENSG00000121274	-0.13555	5.538842	-1.48742	0.154723	0.202399	-6.57274	5.468578	5.300601	5.332045	5.724097	5.57921	5.490866	5.616898	5.360361	5.54523	5.834606	5.865664	5.738449	5.342202	5.552391	5.371934	5.642002	5.707321	5.802537
ADCY7	ENSG00000121281	0.055731	5.127888	0.789531	0.440382	0.504778	-7.22914	5.237197	5.147837	5.204319	5.384166	5.521816	5.461637	5.722633	5.606164	5.619566	4.748949	4.872886	4.776148	4.737134	4.649638	4.621173	5.319295	5.219805	5.233567
CEP89	ENSG00000121289	-0.10147	4.668502	-1.44311	0.166674	0.215676	-6.51958	4.829349	4.86879	4.691656	4.640378	4.648682	4.512384	3.988671	4.050434	4.042563	5.026968	5.079989	5.111508	5.064709	5.065909	4.998211	4.874113	4.843731	4.762652
ECHDC2	ENSG00000121310	0.281318	4.227533	3.972914	0.000938	0.002141	-1.49736	4.495082	4.501192	4.370098	4.576883	4.688349	4.434292	4.174919	4.109604	4.380548	3.968304	4.237848	4.132188	4.470601	4.513497	4.535391	3.889124	4.011424	4.022248
PYROXD1	ENSG00000121350	-0.56349	5.119959	-4.55216	0.000265	0.000698	-0.36432	5.747885	5.694843	5.734251	4.857809	4.807214	4.879531	5.750487	5.609584	5.791729	5.120474	5.046155	5.178223	4.833866	4.804359	4.909079	4.717304	4.847164	4.622403
KCNJ8	ENSG00000121361	0.328879	-0.82669	1.688983	0.108982	0.148653	-4.91082	3.223781	3.273623	3.06005	3.591402	3.31232	3.632327	3.828023	3.646467	4.011347	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PSPC1	ENSG00000121390	0.171277	6.463388	1.360498	0.190961	0.243018	-6.87599	6.138331	6.258705	6.071137	5.890028	5.87112	5.877705	6.504093	6.391864	6.530339	6.620867	6.582282	6.652465	7.092656	7.096177	7.098964	6.645268	6.633953	6.698276
ZNF549	ENSG00000121406	-0.07076	4.083161	-1.02457	0.319539	0.382904	-6.911	3.65311	3.260998	3.466347	3.123142	3.093416	3.445903	3.705302	3.856799	3.721038	4.886838	4.827642	4.788762	4.836392	4.824228	4.782046	5.067422	4.927198	4.973643
ZSCAN18	ENSG00000121413	0.341248	5.174262	3.255281	0.004527	0.008701	-3.29458	4.600191	4.649014	4.706239	4.299384	4.447623	4.271657	4.536652	4.664259	4.404775	5.604555	5.71148	5.655479	6.299316	6.26358	6.231428	5.835464	5.909676	5.874386
ZNF211	ENSG00000121417	0.868203	3.353752	10.27772	7.86E-09	9.72E-08	10.46793	2.369288	2.009193	2.399755	2.840308	2.926537	2.980206	2.607661	3.023117	2.501332	3.997596	4.209911	4.100159	5.012045	4.894826	4.912042	4.302461	4.094656	4.292899
LHX4	ENSG00000121454	-0.35417	0.725268	-1.15016	0.265574	0.325355	-5.68645	3.041689	3.027527	3.25779	2.359902	2.57804	2.481849	3.617275	3.550079	3.498982	0.34397	0.330605	0.34382	0.407676	0.837535	0.760679	0.576451	0.637375	0.659518
RNF2	ENSG00000121481	0.11664	5.122897	1.689565	0.108869	0.148555	-6.19586	5.135946	5.063109	4.904734	5.072529	5.152684	5.195807	5.043928	5.484771	5.424038	4.948139	5.203192	5.123508	5.212064	5.211312	5.198354	5.163525	5.163088	5.274758
TRMT1L	ENSG00000121486	-0.27096	5.196363	-4.03795	0.000813	0.001884	-1.53839	5.713155	5.765816	5.681107	5.250376	5.212855	5.352637	5.238424	5.043815	5.243285	5.200749	5.090242	5.294235	5.029814	5.170503	5.074241	4.958973	5.036489	4.910709
SEC22A	ENSG00000121542	0.122575	3.306955	1.274048	0.219328	0.274627	-6.31435	3.454357	3.568199	3.454879	3.273122	3.34578	3.510758	3.632324	3.672864	4.021828	2.918737	3.278101	3.225594	3.436163	3.410675	3.396027	3.516101	3.494411	3.530388
B4GALT4	ENSG00000121578	0.122117	5.019849	1.116636	0.279266	0.340023	-6.89505	5.946343	5.950121	6.03501	5.772136	5.769991	5.738416	5.401027	5.356295	5.412136	4.13575	4.269773	4.375708	4.739835	4.879081	4.772296	4.175819	4.232297	4.311289
NAA50	ENSG00000121579	-0.53382	7.64121	-19.049	3.92E-13	5.42E-11	20.30115	7.606866	7.605084	7.585153	7.135011	7.012944	7.06886	7.583315	7.620698	7.634607	8.090754	8.00747	8.040081	7.490481	7.538921	7.506763	8.062236	8.057699	8.032604
KIF18A	ENSG00000121621	-0.29208	3.761451	-1.78781	0.091158	0.127116	-5.65996	4.066597	4.073175	4.003689	4.487626	4.249727	4.293939	4.376062	4.511753	4.475104	3.864012	3.668598	3.81458	2.986372	3.032175	2.833866	3.560228	3.690624	3.770842
DESI2	ENSG00000121644	-0.4461	6.482776	-6.9104	2.17E-06	1.07E-05	4.35724	7.261515	7.272311	7.229853	6.687785	6.596274	6.655165	7.108446	7.205184	6.984678	6.20983	6.173542	6.120146	5.874336	5.933952	5.889024	5.981894	5.919494	5.906998
MAPK8IP1	ENSG00000121653	1.42404	3.070122	14.48989	3.56E-11	1.55E-09	15.9192	2.245129	2.232543	2.492412	3.661095	3.912781	3.848471	2.513265	2.108984	2.376228	3.17611	3.166245	3.318995	4.424329	4.509412	4.385705	3.588914	3.385297	3.398988
CRY2	ENSG00000121671	-0.68302	3.987572	-6.87807	2.30E-06	1.12E-05	4.617092	4.495082	4.47956	4.520694	3.376187	3.670226	3.459109	3.474265	3.605944	3.357206	4.671093	4.463628	4.760864	4.207266	4.179969	4.14503	4.199264	4.237539	4.197255
PEX16	ENSG00000121680	0.449463	4.355839	5.267177	5.75E-05	0.000182	1.285778	4.239263	4.401188	4.301326	4.43289	4.628433	4.524999	4.411387	4.436718	4.45204	4.35077	4.190981	4.314216	4.929259	4.827513	4.79815	4.175819	4.205799	4.080593
DEPDC7	ENSG00000121690	0.11743	0.265631	0.469585	0.644457	0.696276	-6.35402	0.882475	1.061904	1.30847	0.635873	1.006428	1.055701	0.670238	1.301009	1.244857	1.116489	1.029669	1.585733	1.498836	1.652223	1.320349	1.571317	1.16325	1.222783
CAT	ENSG00000121691	0.695268	3.755226	5.961167	1.38E-05	5.26E-05	2.615782	2.438959	2.308123	2.109199	3.487804	3.34578	3.485165	1.648695	1.430416	1.0941	5.449962	5.409689	5.546801	6.115998	6.015426	6.048312	5.212738	5.174064	5.217405
PILRB	ENSG00000121716	0.345199	1.061442	1.825763	0.085021	0.119365	-4.96185	1.894617	2.125186	2.166567	2.457149	2.264801	2.557474	2.144798	2.255906	1.727075	1.490718	1.369793	1.061592	1.248697	1.320413	1.580823	0.789161	1.16325	0.93723
ZMYM2	ENSG00000121741	0.711335	6.508922	9.410821	2.93E-08	2.84E-07	8.776216	5.734094	5.759098	5.83942	6.862152	6.69694	6.854475	6.353309	6.452163	6.359073	6.509367	6.519177	6.454523	6.961086	6.942559	6.945474	6.753756	6.739324	6.729381
TBC1D15	ENSG00000121749	0.246432	5.176834	4.191874	0.00058	0.0014	-1.20125	5.146396	5.195056	5.067946	5.583994	5.387689	5.471446	5.173034	5.310795	5.325957	5.1779	5.184173	5.119519	5.28231	5.324918	5.330457	5.026064	4.910886	4.902646
ADGRB2	ENSG00000121753	1.254653	1.511845	5.241396	6.07E-05	0.000191	1.88599	2.609804	2.730641	2.700947	3.863871	4.240862	4.130213	3.115825	3.063581	2.82232	0.834246	0.941811	1.248523	1.121891	1.2438	1.129895	1.058946	1.072305	0.580851
ZCCHC17	ENSG00000121766	0.270564	4.752063	4.939417	0.000115	0.000335	0.510051	4.239263	4.281283	4.255791	4.569652	4.551652	4.633822	4.83866	4.77806	5.015776	4.917814	4.77459	4.835713	5.107173	4.974036	5.087406	5.165907	5.251241	5.262209
KHDRBS1	ENSG00000121774	-0.09192	7.896611	-1.57199	0.133879	0.178276	-6.70453	7.935886	7.957801	7.944168	7.628977	7.591715	7.632216	7.842251	7.838202	7.765877	7.964413	7.944581	7.968153	8.030982	8.066709	8.119158	7.986774	8.01827	8.015881
TMEM39B	ENSG00000121775	-0.21133	4.098672	-2.73851	0.013753	0.023451	-4.15194	4.014302	3.912946	3.922756	3.456785	3.441741	3.321269	3.490873	3.749274	3.856018	4.748949	4.609763	4.692697	4.659362	4.541772	4.670996	4.752597	4.710599	4.853297
POLR3GL	ENSG00000121851	-0.29887	3.291051	-1.86328	0.079314	0.112205	-5.47567	4.219602	4.177623	4.262385	3.487804	3.207016	3.335661	3.555458	3.578282	3.468658	3.165825	3.175905	3.085394	3.288992	3.544454	3.353069	3.022222	3.009816	3.006111
TNFSF10	ENSG00000121858	0.223465	1.342637	1.908676	0.072865	0.104135	-5.43013	0.667115	0.875715	0.598525	1.256461	0.828511	0.909432	0.415731	0.253663	0.629397	3.536933	3.780465	3.596598	3.762697	3.799921	3.862146	3.383205	3.675254	3.398988
ZNF639	ENSG00000121864	-0.20633	4.964487	-4.08041	0.000741	0.001734	-1.41602	4.888652	5.066741	4.857612	4.740363	4.65537	4.874612	4.950956	4.722281	4.923769	5.269607	5.270107	5.183964	5.000827	5.060335	5.023089	5.278052	5.23036	5.217405
PIK3CA	ENSG00000121879	0.344526	4.491569	4.167615	0.000612	0.001463	-1.16551	3.983545	3.928996	4.07284	4.161901	4.009905	4.154771	4.011872	4.489649	4.313883	4.735102	4.925369	4.835713	5.140267	5.361637	5.287753	4.891489	4.897703	4.874064

PDS5A	ENSG00000121892	0.257697	7.752709	4.833418	0.000144	0.000409	-0.0605	8.230483	8.266489	8.273224	8.642814	8.619666	8.716173	8.490685	8.524185	8.469204	7.023909	7.127086	6.966314	7.111031	7.185294	7.097663	6.989862	6.971746	6.983681
TMEM156	ENSG00000121895	-1.0455	4.516188	-8.95266	6.08E-08	5.22E-07	8.160336	3.593253	3.417081	3.39613	1.519216	1.373859	1.188496	2.858632	3.160038	2.798137	7.112261	7.105135	7.117963	6.245204	6.23912	6.226676	7.100461	7.082938	7.143608
LIAS	ENSG00000121897	-1.11136	4.002694	-9.71462	1.83E-08	1.94E-07	9.659449	5.429176	5.509814	5.384366	4.112999	4.204846	4.088331	4.428731	4.753535	4.549426	3.851231	3.748453	3.843887	3.173846	3.193633	2.942182	3.478269	3.529023	3.679412
TMEM54	ENSG00000121900	0.19126	4.106646	2.533573	0.021115	0.034394	-4.6395	2.850396	2.784561	2.621113	3.408969	2.948483	3.051692	3.19904	3.250449	3.468658	5.362601	5.231258	5.363329	5.506677	5.313248	5.530714	5.367692	5.363378	5.362617
ZSCAN20	ENSG00000121903	-0.12287	2.654954	-1.52923	0.144103	0.189973	-5.9362	2.438959	2.49222	2.469799	2.518519	2.429905	2.429135	2.376953	2.451551	2.165532	3.488234	3.381904	3.283783	3.181815	3.320292	3.206318	3.478269	3.297679	3.55117
LRIF1	ENSG00000121931	-0.10525	6.100698	-1.60564	0.126268	0.169425	-6.50278	5.843047	5.71581	5.776322	5.384166	5.305047	5.451761	5.519082	5.737018	5.693539	6.597143	6.548288	6.544295	6.645301	6.671727	6.584232	6.721734	6.783894	6.705246
CLCC1	ENSG00000121940	0.274774	4.847952	3.888572	0.001129	0.002514	-1.73828	5.32262	5.31594	5.303557	5.650615	5.620805	5.788972	5.523124	5.517911	5.435842	3.985951	4.200477	4.335006	4.393779	4.284065	4.27499	4.500412	4.40994	4.4056
GPSM2	ENSG00000121957	-0.77376	4.121182	-7.98246	3.10E-07	2.03E-06	6.709825	4.212988	4.065935	3.863273	3.54791	3.855857	3.75519	4.4712	4.373746	4.428601	4.68916	4.562677	4.563592	3.663745	3.752319	3.548512	4.853574	4.76606	4.780362
GTDC1	ENSG00000121964	-0.38405	4.557258	-6.41322	5.63E-06	2.41E-05	3.632702	5.240453	5.154678	5.086643	4.720913	4.558804	4.72411	4.673889	4.497055	4.497806	4.626786	4.672521	4.765977	4.486773	4.293598	4.476566	4.236002	4.184245	4.274271
ZRANB3	ENSG00000121988	-0.62762	2.861892	-4.32996	0.000429	0.00107	-0.32368	3.603403	3.628412	3.466347	3.342644	3.260629	3.306732	3.094248	3.351955	3.498982	2.943032	2.912585	3.093551	2.343563	2.148862	2.121111	2.843302	3.204393	3.021085
ACVR2A	ENSG00000121989	0.377221	3.812554	3.884477	0.001139	0.002534	-1.61559	3.300651	3.335139	3.489013	4.072648	3.709312	4.027574	4.034706	3.659726	3.90213	4.13575	4.082178	4.03812	4.264669	4.303069	4.359898	3.989359	3.986735	3.823043
POLK	ENSG00000122008	0.199792	4.729127	3.586168	0.002194	0.004565	-2.40448	4.97718	4.913842	5.079193	5.171375	5.248674	5.175948	5.315037	5.164994	5.174497	4.261822	4.47541	4.358889	4.574134	4.505315	4.527685	4.40281	4.49118	4.335451
RPL21	ENSG00000122026	-0.09071	8.794748	-2.96068	0.008566	0.015359	-4.22397	9.014144	9.034264	8.992732	8.945841	8.933429	8.928377	8.987807	9.083809	9.049347	8.671205	8.640006	8.593993	8.476672	8.556679	8.564292	8.580336	8.598182	8.715486
MTIF3	ENSG00000122033	0.139215	4.440294	1.910294	0.072644	0.103851	-5.66931	4.842264	4.765319	4.822347	4.839889	4.641964	4.793524	4.956946	4.997573	4.801363	4.114515	4.013804	4.075663	4.352013	4.321825	4.423569	4.132632	4.106163	4.170642
GTF3A	ENSG00000122034	0.132453	6.161595	2.122231	0.048387	0.07221	-5.63543	5.93634	6.160165	6.023412	6.340176	6.346468	6.361906	6.290661	6.326859	6.439449	6.007276	5.959533	6.174026	6.03583	5.977484	6.084218	6.341403	6.18667	6.292079
RASL11A	ENSG00000122035	-0.3302	1.306775	-1.72262	0.102603	0.141005	-5.14833	2.649532	2.636038	2.579475	2.021307	2.117603	2.629332	2.446718	1.945386	2.127218	1.315703	1.300837	1.413989	1.088368	1.560439	1.17005	1.599785	1.329561	1.461048
UBL3	ENSG00000122042	0.77241	5.086805	4.861852	0.000136	0.000387	0.295672	5.023273	5.063109	5.159101	5.601826	5.607073	5.617001	5.539183	5.599299	5.485906	4.557665	4.821501	4.64632	5.576346	5.65765	5.624013	4.236002	4.30899	4.274271
FYTTD1	ENSG00000122068	0.013828	6.327479	0.27659	0.785339	0.821563	-7.74472	6.106569	6.173699	6.048426	6.225234	6.00018	6.004722	6.300115	6.379897	6.21352	6.497112	6.541766	6.454523	6.499092	6.545754	6.589794	6.524244	6.496423	6.6291
MTERF4	ENSG00000122085	0.379456	5.228516	6.765417	2.85E-06	1.35E-05	4.203336	4.776503	4.847837	4.86196	5.20443	5.176125	5.227023	5.262806	5.327507	5.261087	5.264796	5.179378	5.339521	5.592876	5.67599	5.609485	5.428474	5.458474	5.335919
OCRL	ENSG00000122126	-0.39165	6.314694	-5.21326	6.44E-05	0.000201	0.907386	7.317308	7.374006	7.349252	6.692786	6.725819	6.714188	7.06474	6.988491	6.968516	5.744175	5.634754	5.764226	5.555029	5.648392	5.656176	5.586184	5.60153	5.656743
PAEP	ENSG00000122133	-0.66965	2.902882	-1.46929	0.159525	0.207726	-6.12956	1.519087	1.374745	1.202741	0.395333	1.006428	0.3528	4.034706	4.157125	4.235006	4.977839	5.085124	5.007428	4.534231	4.623418	4.464508	4.677792	4.625193	4.515429
MRPS2	ENSG00000122140	-0.28634	6.903783	-2.80344	0.011986	0.020738	-4.39014	7.155994	7.142397	7.172371	6.97318	7.129199	7.017339	7.728685	7.678836	7.765877	6.765816	6.58319	6.857962	6.375122	6.272043	6.19053	6.637565	6.546909	6.510753
KIAA1191	ENSG00000122203	-0.09832	7.353018	-2.32399	0.032409	0.05041	-5.39193	7.5827	7.595689	7.531572	7.370635	7.411868	7.295592	7.540081	7.55392	7.454849	7.265217	7.285495	7.216486	7.284341	7.243018	7.252369	7.190954	7.189555	7.254681
COPA	ENSG00000122218	0.103082	8.591803	3.311609	0.004004	0.007793	-3.47615	8.620164	8.692657	8.649036	8.85768	8.773197	8.814821	8.574885	8.516462	8.494352	8.572704	8.546299	8.523859	8.588055	8.575606	8.626267	8.427419	8.410213	8.458586
RBBP6	ENSG00000122257	-0.23081	6.39714	-4.58285	0.000248	0.000659	-0.51119	6.846647	6.778297	6.807875	6.495146	6.478657	6.463697	6.424199	6.436841	6.342446	6.296058	6.371473	6.360483	6.165063	6.211726	6.258452	6.294279	6.265761	6.171428
ZC3H7A	ENSG00000122299	0.191736	5.628375	4.264984	0.000494	0.001214	-1.06114	6.183009	6.110011	6.093496	6.37999	6.350594	6.347775	6.417699	6.291095	6.33406	5.060666	4.925369	4.965822	5.170617	5.046305	5.128745	4.996928	5.033479	5.06679
SERAC1	ENSG00000122335	0.709959	2.600179	4.930489	0.000117	0.000341	0.995832	2.649532	2.356396	2.758051	3.441022	2.835252	3.377995	3.440463	3.196885	3.023464	2.320032	2.604605	2.409144	3.066031	2.837366	3.096004	2.568742	2.447571	2.610232
ANXA11	ENSG00000122359	0.292764	7.60195	2.791853	0.012284	0.021216	-4.49045	7.667383	7.652978	7.653214	7.503685	7.662302	7.549743	8.038596	7.896766	8.009143	7.157735	7.12833	7.206649	7.81485	7.783073	7.80374	7.506884	7.461718	7.478674
SHLD2	ENSG00000122376	-0.0388	5.393433	-0.48384	0.634505	0.687577	-7.46116	6.033379	6.011704	5.897758	6.241251	6.101599	6.156332	5.997126	6.121786	5.978177	4.902409	4.893523	4.892917	4.639246	4.627193	4.531543	4.950708	4.877699	4.926702
PRXL2A	ENSG00000122378	0.591062	5.28904	8.633583	1.03E-07	8.06E-07	7.679544	5.672757	5.678322	5.530827	6.213684	6.039053	6.156332	6.124988	6.090306	6.017985	4.359822	4.427694	4.48516	5.062552	5.117812	5.042146	4.574001	4.769683	4.597643
ZNF205	ENSG00000122386	0.131125	3.696306	1.399032	0.179299	0.22984	-6.30577	3.408783	3.58855	3.576275	3.441022	3.747367	3.445903	3.988671	3.82184	3.924645	3.709722	3.854512	4.046548	4.055062	4.067774	4.040604	4.067877	4.005291	3.761956
NAA60	ENSG00000122390	0.803788	5.609035	8.330073	1.71E-07	1.22E-06	7.078659	4.984965	5.018804	5.214556	5.982771	6.036494	5.984314	6.244885	5.916187	6.178819	5.262384	5.186564	5.195378	5.94276	5.777993	5.892029	5.562876	5.572787	5.575386
RPL5	ENSG00000122406	-0.15483	9.522104	-3.88955	0.001126	0.00251	-2.26868	9.822758	9.78748	9.76584	9.549643	9.530123	9.517118	9.71083	9.759576	9.733869	9.448835	9.400993	9.350669	9.279752	9.368833	9.384994	9.285645	9.354652	9.383109
ODF2L	ENSG00000122417	0.247823	4.114704	4.230281	0.000533	0.0013	-1.00624	3.530804	3.505362	3.347346	3.503067	3.48743	3.689474	3.219115	3.491964	3.453254	4.883704	4.976009	4.855034	5.237136	5.074229	5.227188	4.67445	4.847164	4.775955
TRMT13	ENSG00000122435	-0.29095	4.634688	-3.90491	0.001089	0.002439	-1.80136	3.783815	3.638208	3.65856	3.740513	3.546181	3.776446	4.154215	4.050434	4.112876	5.766469	5.792202	5.776944	5.394571	5.381888	5.420597	5.610871	5.504857	5.585495
RWDD3	ENSG00000122481	0.3978	0.55475	2.770534	0.012852	0.022089	-3.27194	1.384302	1.226787	1.54317	1.457877	1.437317	1.526279	0.782422	0.915275	1.01237	1.586365	1.190799	1.387696	1.776519	1.819936	1.610309	1.214313	1.072305	1.222783
ZNF644	ENSG00000122482	-0.27656	6.266484	-6.36259	6.21E-06	2.63E-05	3.271391	6.530219	6.410744	6.428564	6.185579	6.046703	6.184435	6.4068	6.486052	6.3632	6.365112	6.365154	6.353707	6.04896	6.164448	6.158453	6.203286	6.18124	6.262455
CCDC18	ENSG00000122483	-0.87905	2.304225	-5.77693	2.00E-05	7.21E-05	2.79639	2.345296	2.37994	2.351095	2.359902	1.909591	2.22781	2.545421	3.023117	2.239236	3.216534	3.044983	3.149392	2.079215	2.148862	2.200805	3.218571	3.116085	3.107809
RPAP2	ENSG00000122484	-0.0044	4.993689	-0.08901	0.930086	0.942795	-7.57642	5.053202	5.011285	4.870617	4.955356	4.842803	5.010886	4.877071	4.981823	4.88411	5.131086	5.203192	5.007428	5.102982	5.191052	5.103047	5.182472	5.115482	5.194471
SLC66A2	ENSG00000122490	-0.00754	4.944126	-0.07292	0.942695	0.953135	-7.58187	5.125418	4.961437	5.060398	4.448742	4.776871	4.592471	4.751751	4.670823	4.694053	5.117808	4.96212	5.170532	5.354592	5.287239	5.395412	5.293385	5.261569	4.942519
BBS9	ENSG00000122507	0.515518	3.180466	3.737278	0.001574	0.003387	-1.74697	3.487617	3.829904	3.334887	3.57705	3.362223	3.700636	3.440463	3.40015	3.218306	2.763691	2.924094	2.920951	3.730461	3.695921	3.65138	3.022222	3.127424	2.944608
PMS2	ENSG00000122512	0.651855	4.226802	10.23508	8.36E-09	1.03E-07	10.40217	4.473109	4.372133	4.370098	4.955356	4.987618	5.089421	4.851577	4.753535	4.764393	3.568508	3.647924	3.573456	4.131114	4.210485	4.315833	3.894879	3.659719	3.95366
ZMIZ2	ENSG00000122515	0.068089	6.411284	0.395201	0.697476	0.745024	-7.71519	6.683998	6.720684	6.840189	6.137487	6.108926	6.168443	6.054115	5.959717	6.079477	6.116785	6.169921	6.204472	6.822688	6.739561	6.734058	6.776536	6.711341	6.695945
SEPTIN7	ENSG00000122545	0.089981	7.276327	2.312732	0.033153	0.051493	-5.40038	7.297908	7.379856	7.336029	7.517843	7.488766	7.578014	7.595845	7.615604	7.627762	7.070141	7.058247	6.988354	6.984624	7.051222	7.060093	7.161416	7.140033	7.197332
EEPD1	ENSG00000122547	-0.64791	1.671532	-2.85705	0.010693	0.018738	-3.34219	1.475543	1.420874	1.54317	2.021307	1.817192	2.098749	1.525136	1.549165	1.918715	3.113269	2.889287	3.117748	2.209661	1.819936	2.07955	2.554269	2.37332	2.374055
KLHL7	ENSG00000122550	0.260813	4.840581	2.683669	0.015438	0.025997	-4.32269	5.20423	5.214829	5.238162	5.325276	5.248674	5.234723	5.448564	5.462247	5.443658	4.412971	4.274276	4.34529	4.86884	4.843827	4.653399	4.258497	4.237539	4.38838
HERPUD2	ENSG00000122557	0.317953	4.661024	3.584531	0.002202	0.004579	-2.45328	4.772011	4.860445	4.691656	4.921675	4.831037	4.745826	4.31208	4.519046	4.322386	4.417313	4.517806	4.755733	4.980412	5.112436	5.082154	4.802439	4.680124	4.627304
CBX3	ENSG00000122565	-0.16651	7.927881	-5.01841	9.72E-05	0.000289	0.319131	8.358481	8.359358	8.312672	8.272165	8.24443	8.235585	8.331517	8.449333	8.394049	7.643853	7.623082	7.582334	7.355203	7.406252	7.372315	7.613256	7.625113	7.637721
HNRNPA2E	ENSG00000122566	-0.15965	9.518854	-2.6745	0.015738	0.026443	-4.85271	9.467795	9.501676	9.398739	9.483852	9.449696	9.49565	9.841017	9.972943	9.944944	9.523487	9.513836	9.500146	9.173109	9.215853	9.163277	9.537958	9.560284	9.632165
FAM126A	ENSG00000122591	0.109582	5.848649	1.924632	0.070711	0.101321	-5.94272	5.53637	5.438728	5.508813	5.49519	5.565074	5.637476	6.116986	6.027768	5.959217	5.934924	5.91264	5.935092	6.003597	6.100712	6.059045	6.171633	6.209523	6.132312
HOXA7	ENSG00000122592	0.154456	-0.88031	0.283356	0.780233	0.817244	-6.13479	1.927307	2.332462	2.049454	2.255624	2.787348	2.805104	2.058296	1.85606	1.674905	0.415169	0.330605	0.106501	0.106501	0.190544	0.106501	0.257084	0.19538	0.214669
INHBA	ENSG00000122641	-2.81777	3.690143	-19.6464	2.34E-13	3.62E-11	20.39978	6.620446	6.706787	6.714788	3.740513	3.747367	3.91707	6.09814	5.891111	5.956488	3.058725	2.912585	2.86487	1.27873	1.16289	1.355599	2.807136	2.934355	2.880366
FKBP9	ENSG00000122642	1.543586	6.486604	15.19666	1.64E-11	8.89E-10	16.5749	6.213149	6.314753	6.111867	8.022987	7.918648	7.945997	7.843868	7.859905	7.934142	4.816256	5.069663	4.983487	6.154977	6.205427	6.13582	5.862149	5.830372	5.923032
NT5C3A	ENSG00000122643	-0.70926	5.259507	-11.3327	1.76E-09	2.90E-08	11.83976	5.665509	5.83559	5.690917	4.938614	4.807214	4.956049	5.37889	5.364416	5.300358	5.495847	5.427994	5.473689	4.881128	4.8854	4.894173	5.450134	5.493948	5.43987
ARL4A	ENSG00000122644	0.48648	5.051551	6.411646	5.64E-06	2.42E-05	3.580331	5.391599	5.482886	5.455144	6.209037	6.049244	6.166432	5.56294	5.477302	5.482116	4.472601	4.521599	4.466439	4.647902	4.689902	4.739314	4.414877	4.268595	4.311289
CCZ1	ENSG00000122674	0.424013	4.174691	7.208977	1.24E-06	6.60E-06	5.263453	4.179456	4.12286	3.979882	4.416862	4.447623	4.543715	4.274204	4.497055	4.497806	3.956418	4.01918	4.003908	4.359059	4.394504	4.472558	4.161567	4.128907	4.150354
POLM	ENSG00000122678	0.065373	3.845806	0.945526	0.35728	0.421811	-6.85433	3.975752	3.983805	4.208773	4.041626	4.149079	4.071231	4.068294	4.050434	3.808383	3.950439	4.008408	3.848714	4.011012	3.999514	4.007743	3.552967	3.705831	3.601852
MRM2	ENSG00000122687	-0.25545	6.134851	-6.18994	8.73E-06	3.53E-05	2.942418	6.455142	6.465415	6.33157	6.161733	6.089305	6.096318	6.222684	6.389876	6.361138	6.092554	6.045033	6.148806	5.870643	5.839488	5.959454	6.106165	6.098677	6.076062
SMU1	ENSG00000122692	-0.51639	6.304886	-8.86469	7.01E-08	5.90E-07	7.899995	6.840224	6.825146	6.8191	6.025677	6.142633	6.208094	6.254643	6.471088	6.273953	6.401729	6.398541	6.474961	6.099266	6.066366	6.073672	6.150139	6.115856	6.189767
GLIPR2	ENSG00000122694	0.850096	2.177905	9.288701	3.55E-08	3.33E-07	9.082271	1.755904	1.670392	1.667608	2.48816	2.193078	2.374422	1.762502	1.430416	1.50602	2.918737	2.741	2.776437	3.593793	3.528394	3.540876	3.083983	3.171908	3.121769
SLC25A51	ENSG00000122696	-0.4088	3.528949	-5.28306	5.56E-05	0.000177	1.448515	3.530804	3.537122	3.466347	2.955742	2.737798	2.998412	3.094248	3.302095	3.064594	4.276236	4.340194	4.178935	3.937609	3.933972	4.067427	4.127753	4.328771	4.022248
CLTA	ENSG00000122705	0.040018	7.277759	0.952904	0.353632	0.41806	-7.41	7.286141	7.275453	7.277015	7.260438	7.31805	7.264901	7.199673	7.143995	7.337046	7.268224	7.303232	7.421544	7.36792	7.416105	7.431845	7.290366	7.167755	7.142752
RECK	ENSG00000122707	1.5449	1.54139	10.505	5.64E-09	7.46E-08	10.71197	2.762544	2.655462	2.739267	4.375995	4.009905	4.210498	3.423261	3.619579	3.572114	0.7264	0.695454	0.639567	1.308151	1.077171	1.247156	1.017342	0.924142	0.805046
ACO1	ENSG00000122729	-0.3306	5.702988	-1.77136	0.093936	0.130529	-6.14555	5.912046	5.865087	5.920865	6.234408	6.159196	6.280554	6.179794	6.212301	6.269562	6.10741	5.868645	5.950891	5.092452	4.913495	4.96721	5.107626	5.015283	5.144062
DCAF10	ENSG00000122741	0.372	5.411851	7.092923	1.54E-06	7.95E-06	4.827437	5.403266	5.127117	5.303557	5.404628	5.568621	5.578188	5.597858	5.643348	5.59521	5.136363	5.085124	5.109498	5.551958	5.546423	5.60033	5.596816	5.545575	5.649533
KIAA1549	ENSG00000122778	0.563308	5.687587	6.569442	4.15E-06	1.86E-05	3.80353	6.309296	6.36133	6.431492	6.887089	6.801626	6.978887	6.130298	6.189628	6.094449	4.742042	4.793538	4.542892	5.380791	5.280064	5.176344	5.064871	4.81246	5.000336
TRIM24	ENSG00000122779	0.136871	5.093645	1.357658	0.191844	0.24388	-6.68734	4.553837	4.511888	4.662041	5.16659	5.162106	5.276352	4.944941	4.837607	4.934903	5.424305	5.473744	5.513751	5.265535	5.253444	5.389047	5.42251	5.326959	5.359675
CYREN	ENSG00000122783	-0.4864	5.77824	-12.0728	6.56E-10	1.36E-08	12.80839	6.402344	6.416447	6.495858	5.958063	5.984333	5.986596	6.217704	6.247853	6.128792	5.647693	5.584869	5.671915	5.111351	5.136474	5.188613	5.496293	5.35134	5.491856
CALD1	ENSG00000122786	0.311787	6.103314	4.920411	0.00012	0.000347	0.313211	7.116673	7.064623	7.047183	7.332696	7.377903	7.343559	6.668242	6.776637	6.706336	5.15208	5.082559	5.026725	5.382521	5.48534	5.455539	4.961717	5.106916	5.249549
PLAU	ENSG00000122861	-1.67458	8.914972	-5.25198	5.93E-05	0.000187	0.751812	10.52309	10.44222	10.48537	7.57041	7.395984	7.429935	8.898821	8.800799	8.861185	9.039256	8.942664	9.019175	8.579221	8.490868	8.579746	9.111696	9.176103	9.18958
SRGN	ENSG00000122862	0.287855	2.119458	1.71605	0.103824	0.14249	-4.94684	8.827858	8.842374	8.833588	9.199067	9.061988	9.119584	9.845261	9.81692	9.831675	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CHST3	ENSG00000122863	0.990436	4.166257	3.576967	0.002239	0.004642	-2.02665	5.928287	5.99083	5.918779	7.13256	7.235665	7.165683	6.225168	6.173542	6.064348	2.282443	2.285719	2.30059	2.193986	1.738515	1.923865	2.611312	2.48331	2.742606
BICC1	ENSG00000122870	0.718454	1.363688	3.18326	0.005295	0.010011	-2.40678	3.361722	3.370829	3.25779	4.199863	4.149079	4.162865	3.238915	2.702788	3.143496	0.834246	0.89579	1.219002	0.828978	0.837535	1.046067	0.393424	0.572487	0.497646
CISD1	ENSG00000122873	-0.21788	4.763419	-2.99037	0.008037	0.014519	-3.65892	5.253402	5.407565	5.20089	5.072529	5.171467	5.155812	5.494585	5.5324	5.500968	4.395472	4.479316	4.542892	4.076593	4.240369	4.302347	4.37013	4.258317	4.323421
ECD	ENSG00000122882	-0.42403	5.882924	-6.92721	2.10E-06	1.04E-05	4.461093	6.692344	6.698619	6.71599	6.164136	6.11379	6.075031	6.278754	6.34544	6.369368	5.564009	5.542561	5.692199	5.2599	5.40626	5.430962	5.317154	5.256415	5.450971
P4HA1	ENSG00000122884	0.305695	6.681578	2.242372	0.038171	0.05839	-5.41122	7.07716	7.143257	7.020203	7.856204	7.754725	7.830703	7.918662	7.97177	7.934836	5.621589	5.709818	5.584909	5.356354	5.410647	5.403856	6.289918	6.37325	6.339143
SLC25A16	ENSG00000122912	0.324862	3.178243	2.287913	0.034848	0.053828	-4.65281	3.313074	3.547555	3.500214	3.766043	3.6964	4.170914	4.034706	4.147745	4.103038	2.955028	2.924094	2.826234	3.004458	3.098942	2.918805	2.583072	2.813204	2.81313
ZWINT	ENSG00000122952	-1.69065	5.563524	-9.41845	2.89E-08	2.81E-07	9.012308	6.766485	6.820852	6.727949	5.636843	5.710229	5.738416	6.638736	6.779676	6.719273	5.828099	5.71148	5.782	3.346841	3.470735	3.335521	5.416521	5.261569	5.277879
VPS26A	ENSG00000122958	-0.10327	6.461217	-1.96646	0.065331	0.094507	-5.93315	6.925625	6.986256	6.872872	6.775246	6.744756	6.680757	6.917408	6.928136	6.88487	6.151081	6.169921	6.162441	6.13562	6.197832	6.1154	6.002031	5.917862	6.048921
RBM19	ENSG00000122965	-0.00803	5.119974	-0.19076	0.850913	0.876768	-7.58489	4.996565	5.066741	5.116065	5.077635	5.019069	5.055043	5.173034	5.103252	5.062209	5.295783	5.294698	5.27464	5.343978	5.226323	5.253122	5.201172	5.198461	5.164438
CIT	ENSG00000122966	0.100437	3.999696	0.904636	0.377959	0.442558	-6.91701	3.443098	3.537122	3.334887	3.910405	3.722109	3.765857	4.420085	4.576102	4.388669	4.167027	4.296585	4.235316	4.249584	4.056619	4.179864	4.489042	4.437531	4.472495
IFT81	ENSG00000122970	0.756645	4.535292	10.78802	3.76E-09	5.42E-08	11.14789	4.605251	4.769782	4.441562	5.171375	5.321958	5.380668	4.445869	4.715948	4.578115	3.950439	4.265255	4.124247	4.883573	4.797675	4.938437	4.067877	4.273707	4.087723
ACADS	ENSG00000122971	0.528605	3.73781	3.216471	0.004926	0.009376	-2.90951	4.439509	4.429669	4.418131	4.517996	4.594038	4.473866	4.758625	4.831761	4.542164	2.558849	2.727926	2.816411	3.599754	3.826433	3.78667	2.946659	3.160915	3.121769
HVCN1	ENSG00000122986	0.803705	-0.83404	1.934137	0.069455	0.099753	-4.47845	1.927307	1.883052	1.667608	2.840308	2.71237	2.581827	3.158032	3.214961	3.084728	0.34397	0.106501	0.106501	0.171976	0.106501	0.106501	0.183756	0.19538	0.315289
DDX54	ENSG00000123064	-0.22629	7.064002	-3.21386	0.004955	0.009423	-3.57377	7.318849	7.300344	7.435653	6.821637	7.087775	6.881703	6.96425	6.993736	6.995353	7.027464	7.010459	7.190104	7.070829	6.971059	7.03653	7.156633	7.125263	6.965411
MED13L	ENSG00000123066	-0.33733	6.495416	-2.23669	0.038605	0.05894	-5.47604	6.843439	6.80572	6.898496	5.910205	5.943937	5.923682	6.795693	6.687205	6.62102	6.556385	6.708278	6.396367	6.69278	6.666234	6.701892	6.330827	6.375629	6.362847
CDKN2C	ENSG00000123080	0.115974	1.989821	0.22797	0.822315	0.852729	-6.7269	1.826927	1.465573	1.853768	3.392671	3.709312	3.498018	2.26554	2.777669	2.798137	2.543041	2.632935	2.796562	1.392977	1.495836	1.129895	2.368215	2.354144	2.464474
RNF11	ENSG00000123091	0.688756	6.16883	12.89191	2.32E-10	6.01E-09	13.81339	5.684757	5.699529	5.618241	6.396431	6.381172	6.442243	6.065248	6.171229	6.145661	6.103374	6.111977	5.986368	6.685091	6.672641	6.729026	6.158536	6.139849	6.227376
RASSF8	ENSG00000123094	0.594841	6.379752	4.829024	0.000146	0.000412	0.191337	7.73415	7.822046	7.819489	8.383567	8.322658	8.411904	8.653057	8.552005	8.551077	4.404248	4.419586	4.375708	5.007568	4.950123	4.909079	4.466031	4.395944	4.292899
BHLHE41	ENSG00000123095	-2.04696	2.228503	-8.75005	8.46E-08	6.87E-07	8.255238	3.691678	3.968357	3.93931	1.326771	1.307481	1.188496	2.01302	2.029503	1.826075	3.637124	3.486521	3.543997	2.466086	2.21055	2.312654	2.692858	2.354144	2.442395
SSPN	ENSG00000123096	-0.75044	0.658552	-3.23711	0.00471	0.009014	-2.28318	1.642349	1.915637	1.499186	0.841981	0.828511	0.746642	1.588238	1.710758	1.38134	1.278001	1.55885	1.718241	1.644349	1.357245	1.209118	1.482378	1.547811	1.461048
ITPR2	ENSG00000123104	0.979942	2.534786	4.950795	0.000112	0.000328	1.155716	3.288121	3.777682	3.55495	4.152252	4.343809	4.330328	4.591583	4.221128	4.141991	1.423238	1.152172	1.248523	2.329284	2.148862	2.399663	1.734264	1.442809	1.58715
CCDC91	ENSG00000123106	-0.07455	4.673062	-1.6608	0.114586	0.1553	-6.19967	4.428132	4.446492	4.418131	4.487626	4.384626	4.524999	4.245129	4.221128	4.279358	5.115138	5.172157	5.199163	5.025392	5.032138	5.058283	5.062316	4.999943	5.077574
WWP1	ENSG00000123124	0.323621	6.648914	6.587333	4.01E-06	1.81E-05	3.670904	6.612929	6.626635	6.709972	6.882719	6.829982	6.821621	6.51834	6.612464	6.550385	6.603825	6.518228	6.514988	6.974338	6.931915	7.007735	6.332948	6.475502	6.424686
ACOT9	ENSG00000123130	-0.1764	6.066012	-1.67882	0.110975	0.151068	-6.34842	6.819693	6.844314	6.831347	6.270533	6.30028	6.297196	6.237523	6.263136	6.276143	5.569872	5.592102	5.705565	5.850787	5.734908	5.866291	5.717014	5.739082	5.687573
PRDX4	ENSG00000123131	0.039199	7.479167	0.344817	0.734347	0.777527	-7.79383	8.109731	8.136026	8.110083	8.568134	8.491928	8.50955	8.152586	8.208395	8.194266	6.778529	6.754138	6.87107	6.386372	6.476295	6.431551	6.859077	6.859786	6.90312
DDX39A	ENSG00000123136	-0.037	6.144402	-0.39004	0.701218	0.748727	-7.65083	6.014486	5.942235	6.013674	6.229828	6.263548	6.19434	6.749855	6.759804	6.835226	6.122114	5.948304	6.103077	5.759221	5.818179	5.743594	6.184612	6.18667	6.116712
PKN1	ENSG00000123143	-0.18606	6.725731	-1.4941	0.152983	0.200342	-6.71668	7.237276	7.164596	7.198393	6.635072	6.801626	6.549545	6.393612	6.467323	6.550385	6.59139	6.467021	6.709968	6.724496	6.715826	6.725662	6.923138	6.745776	6.717939
TRIR	ENSG00000123144	0.018516	6.509603	0.357899	0.724705	0.76955	-7.73336	6.42255	6.491317	6.647119	6.608857	6.615263	6.497692	6.514283	6.411592	6.573723	6.421317	6.513474	6.585363	6.483058	6.517557	6.501083	6.636707	6.624981	6.400554
ADGRE5	ENSG00000123146	-0.35554	5.886882	-3.87587	0.001161	0.002576	-1.99467	6.516856	6.439039	6.534505	5.988204	6.076905	5.877705	5.943836	5.81612	5.830996	5.76817	5.701482	5.804535	5.585386	5.495702	5.622205	5.870936	5.789916	5.760771
WDR83	ENSG00000123154	0.136266	3.054137	1.398948	0.179324	0.229852	-6.16372	3.156438	3.07157	3.25779	3.123142	3.151334	2.961768	3.158032	2.938616	3.162566	3.394446	3.278101	3.353367	3.680716	3.614588	3.429496	2.924322	3.287607	3.107809
GIPC1	ENSG00000123159	0.11143	7.059326	0.851944	0.405768	0.470861	-7.50704	6.862581	6.825146	6.986749	6.617648	6.925745	6.680757	5.882222	5.795247	6.017985	7.427913	7.433765	7.638815	7.844019	7.809478	7.766165	7.641773	7.642011	7.492842
SPRYD7	ENSG00000123178	-0.21056	4.161356	-3.55014	0.002375	0.004895	-2.35715	4.450796	4.574447	4.288462	4.359318	4.249727	4.178918	4.599263	4.59002	4.534865	4.119853	4.176619	3.990867	3.88976	3.819851	3.916269	4.194605	4.178806	4.274271
EBPL	ENSG00000123179	0.292092	4.983382	4.245009	0.000516	0.001263	-1.02541	5.011887	5.151261	5.231457	5.20443	5.26188	5.283793	5.409787	5.38452	5.211591	4.569418	4.662249	4.572373	5.018734	4.897954	5.141424	4.891489	4.729324	4.918728
ATP7B	ENSG00000123191	0.888475	1.590254	4.353328	0.000408	0.001022	-0.00736	2.629805	2.356396	2.883112	3.714523	3.457132	3.535905	2.576877	3.002451	2.697131	1.073118	1.644832	1.219002	1.711947	1.393161	1.580823	1.017342	0.759002	1.058313
ZC3H13	ENSG00000123200	-0.03367	6.456059	-0.78024	0.445686	0.509803	-7.49018	6.380377	6.380424	6.42563	6.263828	6.149755	6.363663	6.187456	6.243457	6.254089	6.704962	6.706613	6.670299	6.712168	6.730816	6.763883	6.444083	6.551125	6.583172
GUCY1B2	ENSG00000123201	1.799357	0.799491	11.78721	9.54E-10	1.85E-08	12.38472	1.010037	0.736739	0.598525	2.143217	1.718467	2.132113	1.240874	1.15884	1.171446	1.239286	1.435603	1.219002	2.314863	2.416542	2.497588	1.571317	1.442809	1.58715
NLN	ENSG00000123213	0.186271	6.151289	3.631292	0.001987	0.004183	-2.58603	6.239421	6.290111	6.33157	6.250324	6.407159	6.317278	6.045709	6.060626	5.909288	6.165349	6.023794	6.168245	6.443833	6.397808	6.42638	5.896979	5.857862	5.870258
CENPK	ENSG00000123219	-1.72453	3.852267	-9.09619	4.82E-08	4.32E-07	8.72045	4.600191	4.619648	4.48167	3.766043	3.683372	3.608819	4.599263	4.734864	4.563842	4.493314	4.51019	4.456986	2.385571	2.23054	2.276326	4.127753	4.106163	4.329449
OPTN	ENSG00000123240	0.764273	4.565569	9.701366	1.87E-08	1.98E-07	9.428927	3.87042	4.204245	3.897563	4.152252	4.500575	4.531264	3.80164	3.711575	3.437684	4.926979	4.893523	5.030978	5.84578	5.819829	5.818141	4.900099	5.036489	5.052285
ATF1	ENSG00000123268	-0.3865	5.094482	-4.89018	0.000128	0.000367	0.407644	5.784032	5.863	5.753101	5.294904	5.309293	5.327654	5.97958	5.957035	6.004837	4.717605	4.699561	4.737631	4.400624	4.492955	4.516048	4.54135	4.592839	4.572451
TSFM	ENSG00000123297	-0.4401	4.887076	-6.61489	3.81E-06	1.73E-05	4.002552	5.572986	5.482886	5.384366	4.821743	4.917027	5.00189	5.365443	5.323347	5.338588	4.85838	4.869913	4.760864	4.524863	4.525683	4.516048	4.609434	4.555551	4.461559
PFDN5	ENSG00000123349	0.119295	7.539462	1.755708	0.096647	0.133788	-6.39297	7.800722	7.791098	7.731338	7.681071	7.655647	7.64021	7.694141	7.718181	7.72156	7.290881	7.27486	7.294627	7.625155	7.624978	7.617089	7.145814	7.283774	7.264939
SPATS2	ENSG00000123352	0.199885	5.013738	3.033945	0.007317	0.013376	-3.63457	5.596044	5.713495	5.615668	5.969096	5.833285	5.906913	5.35187	5.431657	5.317474	4.35077	4.588222	4.444286	4.612964	4.53375	4.599282	4.426844	4.477953	4.370952
ORMDL2	ENSG00000123353	0.642943	5.365722	10.56371	5.18E-09	7.03E-08	10.69709	4.965424	5.011285	4.777019	5.781554	5.713437	5.66623	5.396627	5.348128	5.388034	5.233128	5.240494	5.336087	5.780368	5.755749	5.77648	5.382106	5.334317	5.353773
NR4A1	ENSG00000123358	0.456788	5.304513	4.033509	0.000821	0.001901	-1.33783	6.846647	6.686868	6.78516	7.267158	7.466124	7.246929	7.457992	7.391554	7.567337	3.560679	3.478738	3.555853	3.752032	3.576046	3.571181	3.508614	3.628139	3.432977
HOXC13	ENSG00000123364	-1.3574	1.170987	-6.51988	4.57E-06	2.01E-05	4.392981	5.572986	5.620197	5.571218	4.082842	4.416469	4.28655	4.402637	4.290959	4.339245	0.415169	0.462741	0.397516	0.171976	0.26996	0.335616	0.257084	0.358227	0.315289
CDK2	ENSG00000123374	-1.36486	5.377554	-14.4862	3.58E-11	1.55E-09	15.82596	5.784032	5.754602	5.794633	4.384261	4.522687	4.537503	5.082792	5.314991	5.141238	6.063762	6.091707	6.218526	4.731716	4.901075	4.79815	6.140482	6.108723	6.12886
LRP1	ENSG00000123384	0.565976	5.151062	4.442221	0.000336	0.000862	-0.62338	4.973272	4.988492	5.105102	5.71757	5.891089	6.055601	5.300979	5.276779	5.197793	4.73162	5.011508	4.518865	5.038617	5.032138	4.992623	5.334197	5.115482	5.207621
ATG101	ENSG00000123395	0.058041	6.468731	1.35155	0.193754	0.246045	-6.88746	6.341489	6.22335	6.342502	6.290462	6.446246	6.360147	6.276361	6.205537	6.338259	6.649755	6.512522	6.728419	6.727901	6.665316	6.660208	6.700531	6.667352	6.604455
IKZF4	ENSG00000123411	0.271375	2.843433	2.217987	0.040068	0.060912	-4.77707	2.707144	2.356396	2.776595	2.633943	3.225109	3.086148	3.137083	3.302095	3.181386	3.123934	3.096753	3.077191	3.173846	3.338827	3.21594	3.181381	3.182818	2.944608
SMUG1	ENSG00000123415	0.016652	5.550977	0.44402	0.662476	0.712555	-7.58131	5.531062	5.544085	5.538996	5.502803	5.510796	5.556848	5.272444	5.293887	5.44755	5.698525	5.703153	5.714848	5.718713	5.750567	5.768329	5.655626	5.609638	5.668679
TUBA1B	ENSG00000123416	-0.25062	9.561084	-1.10012	0.286202	0.347309	-7.39144	9.70338	9.692837	9.639047	10.31265	10.30871	10.26734	10.03434	10.09448	10.0135	9.528763	9.397901	9.419912	8.356845	8.311872	8.297412	9.599166	9.582596	9.578449
EEF1AKMT	ENSG00000123427	0.17182	2.861854	2.47021	0.024063	0.038688	-4.36376	2.629805	2.836538	2.99819	3.06262	2.991399	2.94309	2.832807	2.650616	2.616448	3.265521	3.356645	3.232997	3.469097	3.445301	3.335521	3.152846	3.069818	3.135595
KBTBD4	ENSG00000123444	0.179809	4.309834	2.703337	0.014812	0.025064	-4.21501	4.538049	4.457599	4.339244	4.479932	4.635214	4.580436	4.437325	4.562048	4.151567	4.252132	4.251617	4.382382	4.527992	4.557684	4.427716	4.166333	4.017531	4.143528
ATPAF1	ENSG00000123472	0.051256	5.867704	1.483841	0.155661	0.203341	-6.60474	6.046458	6.125763	6.122779	6.132588	6.161547	6.1624	6.153955	6.207795	6.267362	5.587318	5.584869	5.629067	5.628298	5.633455	5.680705	5.687476	5.607615	5.663916
STIL	ENSG00000123473	-1.57555	3.975625	-9.659	1.99E-08	2.08E-07	9.549439	3.887134	3.863696	3.979882	3.408969	3.225109	3.405543	4.034706	4.282412	4.16108	5.012691	5.008809	4.983487	3.100071	3.272884	2.942182	4.882828	4.949728	5.037632
HJURP	ENSG00000123485	-1.67689	4.753082	-7.6459	5.62E-07	3.36E-06	6.132941	5.727148	5.687786	5.587063	4.707799	4.801196	4.735009	6.33962	6.363784	6.31288	4.855183	4.956526	4.864598	2.329284	2.549802	2.433049	4.925625	4.930438	4.996553
AMD1	ENSG00000123505	-0.00414	7.270291	-0.06337	0.95019	0.958875	-7.83476	7.55224	7.505583	7.448721	7.705193	7.706439	7.692167	8.168804	8.201045	8.166196	6.645134	6.631378	6.562039	6.386372	6.404423	6.403403	7.288727	7.255632	7.332523
NDUFAF4	ENSG00000123545	-0.58782	4.709731	-7.77829	4.44E-07	2.74E-06	6.244331	5.362012	5.430295	5.241504	4.619522	4.500575	4.57438	5.178171	5.127313	5.193163	4.803043	4.679329	4.671058	4.330668	4.321825	4.342433	4.511692	4.372311	4.557121
USP45	ENSG00000123552	-0.31841	3.963855	-4.25726	0.000503	0.001233	-0.7777	4.387594	4.574447	4.441562	3.851999	4.249727	4.186878	4.31208	4.307901	4.22597	3.889238	4.132653	3.990867	3.778549	3.644697	3.849837	3.737235	3.675254	3.814473
MORF4L2	ENSG00000123562	-0.33902	8.947733	-5.1315	7.65E-05	0.000234	0.49426	9.653574	9.653683	9.577256	9.313056	9.23407	9.240435	9.181852	9.130686	9.102773	8.648762	8.665515	8.695117	8.310123	8.379737	8.400693	8.650053	8.613886	8.664838
FAM199X	ENSG00000123575	-0.17612	6.591171	-5.07039	8.71E-05	0.000261	0.532223	6.924614	6.89115	6.8588	6.732178	6.685551	6.710052	6.741204	6.846424	6.719273	6.531566	6.589528	6.539079	6.388956	6.391163	6.373622	6.30188	6.308726	6.387612
RAB9A	ENSG00000123595	0.140501	5.015029	1.101755	0.28551	0.346617	-6.96891	5.278958	5.375715	5.123327	4.803367	4.933626	4.899045	5.08826	4.949799	5.082376	4.880563	4.869913	5.076957	5.397996	5.516205	5.467673	4.755763	4.721863	4.878182
METTL8	ENSG00000123600	0.132988	4.564815	1.487782	0.154628	0.20233	-6.39218	5.060589	5.091908	4.95851	4.898777	4.917027	4.946703	4.339849	4.511753	4.339245	4.460029	4.247042	4.421787	4.690417	4.707838	4.72927	4.450484	4.318914	4.21038

TTC21B	ENSG00000123607	0.267674	4.193138	2.364647	0.029851	0.046804	-4.73826	4.749336	4.710662	4.85325	5.384166	5.084948	5.30954	5.188389	5.007978	5.211591	3.772076	3.633975	3.419749	3.520276	3.528394	3.421201	3.366734	3.520448	3.455199
NMI	ENSG00000123609	-0.22784	5.270463	-2.27733	0.035596	0.05481	-5.29033	5.019487	4.909804	4.804386	4.181007	4.120365	3.97338	4.283766	4.373746	4.296723	6.140615	6.130724	6.290363	6.177072	6.246501	6.19053	6.229712	6.139849	6.193077
ACVR1C	ENSG00000123612	-0.05035	2.213367	-0.15693	0.877097	0.899582	-6.61692	3.827767	3.568199	3.638424	4.092964	3.546181	3.878271	5.223595	5.268148	5.202407	1.586365	1.55885	1.333627	0.982856	0.837535	0.760679	1.45147	1.072305	1.170016
BAZ2B	ENSG00000123636	1.089014	4.45144	9.963019	1.25E-08	1.43E-07	9.930179	3.85351	3.920993	3.871922	5.303647	5.292232	5.276352	4.454362	4.59693	4.789145	4.266643	4.305413	3.93295	4.805779	5.029288	4.903135	4.199264	4.313961	4.280507
SLC36A1	ENSG00000123643	0.539781	4.705846	5.695157	2.37E-05	8.34E-05	2.138811	4.172655	4.457599	4.332993	5.171375	5.029402	5.006395	5.082792	4.955186	4.929347	4.667452	4.658809	4.569452	4.973543	4.985845	4.958638	4.623367	4.542904	4.617485
LPGAT1	ENSG00000123684	-0.10078	6.768617	-2.7386	0.01375	0.023449	-4.49647	7.515086	7.603835	7.494946	7.481703	7.455626	7.427418	7.459048	7.536955	7.502399	6.072047	6.155347	6.088867	5.96602	6.01974	5.979365	6.049243	6.097236	6.207877
BATF3	ENSG00000123685	0.854834	-0.17764	2.422498	0.026535	0.042218	-3.69969	1.826927	1.173893	1.358564	1.888135	1.437317	1.575618	1.317361	1.301009	1.38134	0.34397	0.185134	0.594297	0.787801	0.784432	0.862212	0.837776	0.69947	0.659518
G0S2	ENSG00000123689	-0.83579	0.690356	-4.5113	0.000289	0.000756	0.219353	0.41387	0.736739	0.421314	0.52061	0.389229	0.563119	0.886508	0.915275	0.39151	2.943032	2.727926	2.806521	1.897591	2.127698	2.121111	3.743628	3.651889	3.30423
KCNJ2	ENSG00000123700	-1.00802	0.308268	-2.32133	0.032583	0.05067	-3.89314	4.674285	4.538284	4.288462	3.441022	3.242978	3.459109	3.352323	3.160038	3.124172	0.415169	0.185134	0.230035	0.407676	0.345231	0.533283	0.106501	0.106501	0.214669
RAP2C	ENSG00000123728	-0.29438	6.153397	-6.45348	5.20E-06	2.25E-05	3.474257	6.333889	6.311696	6.274002	6.187942	6.099149	6.059941	6.400221	6.500862	6.389741	6.226009	6.167502	6.273409	5.854531	5.866886	5.822871	6.13927	6.076911	6.154551
EXOSC9	ENSG00000123737	-0.78547	5.214525	-12.9787	2.09E-10	5.56E-09	14.03343	5.515021	5.410426	5.363051	4.910272	4.871804	4.864722	5.418495	5.423907	5.321722	5.647693	5.624209	5.678708	4.682014	4.770624	4.76576	5.436388	5.358575	5.531613
PLA2G12A	ENSG00000123739	0.067804	5.018143	1.629779	0.121037	0.163344	-6.29547	4.735558	4.738249	4.739702	4.772209	4.795153	4.983728	4.83866	4.796183	4.866774	5.274401	5.321056	5.363329	5.354592	5.32724	5.380516	5.271431	5.284541	5.311765
B9D2	ENSG00000123810	0.194988	2.052615	1.579163	0.132225	0.176387	-5.53827	3.071243	3.114308	2.700947	2.97776	2.926537	3.03415	2.779728	2.871824	2.915195	1.616888	1.644832	1.951531	2.062048	2.06228	2.036756	1.948641	1.82352	1.703111
COQ8B	ENSG00000123815	0.239152	4.206394	2.756904	0.013228	0.022654	-4.11085	4.29042	4.281283	4.370098	4.181007	4.416469	4.226032	4.293266	3.999201	3.890739	4.276236	4.219284	4.405499	4.755939	4.642195	4.695277	4.203908	4.128907	3.87342
PFKFB2	ENSG00000123836	-0.12229	5.198147	-2.7451	0.013563	0.023165	-4.35957	4.969353	4.949684	4.817878	4.694564	4.726954	4.829562	4.629578	4.59002	4.436456	5.884069	5.984483	5.886627	5.799917	5.823124	5.829155	5.408497	5.485161	5.590523
ZNF137P	ENSG00000123870	0.399623	0.780041	2.827511	0.011388	0.019817	-3.28753	0.667115	0.736739	0.964748	0.934951	0.828511	0.830331	0.886508	0.915275	1.244857	2.338465	2.095243	1.896649	2.399306	2.581279	2.34809	2.115663	2.146913	2.091498
RAB38	ENSG00000123892	0.482058	3.275203	6.912554	2.16E-06	1.06E-05	4.715268	1.791852	1.849715	1.54317	2.48816	2.490996	2.455733	2.667326	2.451551	2.376228	4.421642	4.34876	4.362268	4.734427	4.853528	4.691833	5.122419	5.112633	5.088278
AGO2	ENSG00000123908	-0.93001	7.758634	-22.1514	3.10E-14	1.05E-11	22.88811	7.952856	7.90045	8.029267	7.037488	6.949065	7.097645	7.728685	7.715009	7.737544	8.399179	8.438073	8.206327	7.445266	7.404054	7.42512	8.188268	8.073906	8.056876
MXD4	ENSG00000123933	2.115976	5.488209	14.74394	2.69E-11	1.25E-09	16.14179	5.167074	5.288212	5.303557	7.142341	7.243452	7.049345	6.357843	6.232407	6.338259	3.702624	4.008408	4.025385	6.251843	6.200368	6.088153	4.526597	4.442079	4.223386
CKS2	ENSG00000123975	-0.71717	5.744578	-5.21396	6.43E-05	0.0002	0.97901	5.706108	5.685425	5.573871	5.598277	5.514478	5.481188	6.386973	6.465436	6.369368	6.134034	6.06076	6.053763	4.91976	4.894826	4.920894	6.024518	6.076911	6.06346
DAW1	ENSG00000123977	-2.92227	2.159326	-9.92154	1.34E-08	1.51E-07	9.849159	7.078979	6.969865	6.902723	4.072648	3.855857	4.162865	6.686381	6.687205	6.725698	0.834246	0.640699	0.54756	0.46104	0.26996	0.263213	0.393424	0.637375	0.497646
ACSL3	ENSG00000123983	-0.14136	7.535544	-0.81877	0.423942	0.489042	-7.53997	7.390938	7.418028	7.395726	8.045314	7.926272	8.024162	7.687852	7.768006	7.72156	7.752661	7.715395	7.777857	6.91701	6.92886	6.92362	7.480814	7.444823	7.469833
CHPF	ENSG00000123989	1.026329	7.318616	9.559756	2.32E-08	2.35E-07	8.94417	6.637833	6.65827	6.799965	7.826936	7.908887	7.753079	6.713169	6.544401	6.668483	6.973201	7.071892	7.343752	8.113237	8.05204	8.02992	7.71517	7.711465	7.393491
DNPEP	ENSG00000123992	-0.24295	6.590854	-2.6868	0.015336	0.025848	-4.63879	6.653793	6.671448	6.801098	6.152084	6.325656	6.196313	5.922569	6.00976	5.877902	6.995152	6.968696	6.92177	6.916413	6.902624	6.900683	6.937847	6.941552	6.827408
OBSL1	ENSG00000124006	1.747628	4.835386	21.17073	6.66E-14	1.56E-11	22.16543	2.688195	2.61635	2.916938	4.660937	4.982309	4.580436	3.602068	3.672864	3.543305	5.424305	5.601093	5.555685	7.175308	7.118474	7.16441	5.70232	5.862958	5.663916
SLC12A4	ENSG00000124067	0.163859	5.662111	2.376983	0.029113	0.045813	-5.02732	6.790005	6.772749	6.760919	6.851757	6.769624	6.772215	6.49383	6.438765	6.495043	4.493314	4.57368	4.706059	5.105079	4.804359	4.950015	4.602417	4.613145	4.587619
ENKD1	ENSG00000124074	0.268512	3.593328	2.245392	0.037942	0.058083	-5.05294	3.361722	3.450822	3.347346	3.325575	2.85862	3.136338	2.576877	2.623806	2.82232	4.161861	4.127684	4.282459	4.595172	4.657043	4.6463	4.469892	4.542904	4.115895
FAM210B	ENSG00000124098	1.724652	6.565317	6.578166	4.09E-06	1.83E-05	3.747528	6.204839	6.325403	6.102711	8.789293	8.681579	8.724742	7.917894	7.925866	7.972467	5.312197	5.376563	5.396673	5.859507	5.956632	5.835411	5.44622	5.348921	5.385942
PI3	ENSG00000124102	-2.60627	-1.05397	-5.82737	1.81E-05	6.60E-05	3.08389	4.772011	4.653851	4.611291	2.143217	1.768674	2.132113	2.667326	2.702788	2.937508	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SNX21	ENSG00000124104	-0.06907	4.468973	-0.73693	0.470939	0.534342	-7.15856	4.789897	4.830853	4.921495	4.43289	4.507984	4.440963	4.583863	4.677356	4.66091	4.242376	4.14254	4.338442	4.352013	4.53375	4.419411	4.609434	4.592839	4.562249
SLPI	ENSG00000124107	-0.22892	5.228781	-1.73027	0.101199	0.139318	-6.24659	5.019487	4.992316	5.002498	4.654117	4.628433	4.702062	3.586698	3.578282	3.513908	6.25662	6.19032	6.306242	6.032529	6.128944	6.13582	6.044073	6.128608	6.120193
WFDC3	ENSG00000124116	-1.58736	0.816403	-6.04987	1.15E-05	4.50E-05	3.386936	1.602421	1.744817	1.78216	0.258133	0.25478	0.3528	0.548589	0.387194	0.256032	3.331423	3.584062	3.225594	2.357702	2.21055	2.312654	2.901634	2.881762	2.990979
TTPAL	ENSG00000124120	-0.50701	6.21473	-4.09798	0.000713	0.001674	-1.57599	6.32931	6.362808	6.275633	5.176143	5.064996	5.320436	5.712047	5.714958	5.650287	6.754707	6.79702	6.725141	6.635904	6.64125	6.664607	6.802028	6.796379	6.834843
SLC12A5	ENSG00000124140	1.394468	1.124207	8.573352	1.13E-07	8.73E-07	7.971791	0.742531	1.420874	1.088647	2.063099	2.229385	2.098749	1.459147	1.760835	1.244857	1.586365	1.369793	1.413989	2.343563	2.326537	2.294605	1.708352	1.981819	1.877799
SDC4	ENSG00000124145	-0.97052	7.556729	-2.95753	0.008625	0.015452	-4.18926	7.57949	7.514918	7.467389	4.263984	4.301803	4.393601	5.570773	5.7054	5.548858	9.4838	9.414698	9.467958	9.405026	9.431972	9.435802	9.094138	9.149412	9.156055
NCOA3	ENSG00000124151	-0.44379	7.083768	-7.66993	5.38E-07	3.23E-06	5.718986	7.586543	7.594431	7.573932	6.915886	6.882225	7.041684	7.232141	7.262797	7.146671	7.112261	7.184439	7.02133	6.798921	6.884601	6.846735	6.892542	6.850408	6.880718
PIGT	ENSG00000124155	0.337268	7.741287	9.229412	3.90E-08	3.61E-07	8.391465	7.931361	7.850765	7.918306	8.227493	8.374746	8.271118	7.860739	7.757253	7.854295	7.485391	7.379411	7.464239	7.771942	7.681894	7.72042	7.338672	7.279969	7.303726
NCOA5	ENSG00000124160	-0.07399	6.505133	-2.0379	0.056988	0.083722	-5.82481	6.467698	6.535229	6.534505	6.400512	6.504813	6.499291	6.813958	6.703301	6.793019	6.466013	6.426122	6.445788	6.348819	6.365404	6.323319	6.638423	6.601797	6.520007
VAPB	ENSG00000124164	-0.41513	7.125638	-9.44559	2.77E-08	2.72E-07	8.7928	7.48795	7.534064	7.45521	6.958031	6.928508	6.986888	7.287852	7.463253	7.401671	7.151232	7.067358	7.118463	6.800863	6.770613	6.859837	7.056849	7.076371	7.050889
PARD6B	ENSG00000124171	-0.26822	2.680792	-2.03714	0.057072	0.083836	-5.2428	2.505419	3.128277	2.883112	2.181668	1.768674	1.840725	1.762502	1.945386	1.674905	3.851231	3.817963	3.819506	3.746669	3.793216	3.849837	3.508614	3.467897	3.375875
ATP5F1E	ENSG00000124172	0.215177	7.680848	4.345109	0.000415	0.001038	-1.1421	7.714969	7.732291	7.710996	8.151436	8.088246	8.054932	7.945268	7.995494	8.04298	7.398017	7.427208	7.364545	7.398588	7.49156	7.469539	7.463975	7.424284	7.514168
CHD6	ENSG00000124177	0.417416	5.524555	8.380568	1.57E-07	1.14E-06	7.132138	5.184082	5.113136	5.363051	5.529135	5.438974	5.602196	5.104539	5.018308	5.165072	5.678768	5.768456	5.631871	6.138693	6.131604	6.229054	5.570088	5.68063	5.687573
PLCG1	ENSG00000124181	0.197245	5.73813	3.956808	0.000971	0.002208	-1.7997	5.887335	5.850414	5.984061	6.05186	6.177895	6.057773	5.885366	5.848324	5.953754	5.589243	5.618907	5.451648	5.825576	5.614563	5.786202	5.428474	5.389513	5.391714
TOX2	ENSG00000124191	-0.97697	3.710417	-7.74607	4.70E-07	2.87E-06	6.478932	5.86008	5.722732	5.799175	4.881362	4.911451	4.685302	5.257962	5.224202	5.18386	2.650221	2.632935	2.796562	2.112949	1.921808	1.923865	2.878584	2.711397	2.79582
SRSF6	ENSG00000124193	-0.29412	8.131228	-6.26977	7.46E-06	3.08E-05	2.936243	8.529586	8.520298	8.553814	8.177831	8.065832	8.138881	8.599503	8.674632	8.625979	7.865401	7.894634	7.935059	7.720556	7.69049	7.734296	7.929047	7.913688	7.891023
ARFGEF2	ENSG00000124198	0.062105	6.91517	1.606084	0.12617	0.169325	-6.56435	7.179931	7.187292	7.232374	7.284928	7.235665	7.429096	7.14956	7.117814	7.046293	6.70585	6.746055	6.621069	6.687192	6.688987	6.713826	6.581571	6.544796	6.547417
ZNFX1	ENSG00000124201	-0.20915	7.039173	-2.24564	0.037923	0.05806	-5.54031	6.480145	6.450203	6.534505	6.553121	6.622106	6.666596	6.037254	6.025209	5.983548	7.991965	7.982574	7.880714	7.557859	7.497243	7.52961	7.71517	7.722255	7.703597
CSE1L	ENSG00000124207	-1.10117	7.679088	-18.4985	6.40E-13	8.07E-11	19.80533	8.367442	8.347091	8.285415	7.237807	7.178779	7.297432	7.884502	7.975088	7.763537	8.014709	7.939628	7.93222	6.91999	6.838942	6.849829	7.860482	7.805347	7.864285
RAB22A	ENSG00000124209	-0.01266	6.479302	-0.26251	0.795995	0.830383	-7.76777	6.324716	6.299401	6.357977	6.470122	6.442385	6.466969	6.207692	6.450256	6.31288	6.706737	6.625221	6.746637	6.572154	6.599586	6.533189	6.62723	6.55952	6.62543
STAU1	ENSG00000124214	-0.08924	7.707538	-3.21899	0.0049	0.009335	-3.62028	7.669196	7.706335	7.672526	7.58662	7.526643	7.540454	7.513911	7.543228	7.502399	7.927599	7.883624	7.946363	7.87875	7.874842	7.846569	7.745746	7.755977	7.743645
SNAI1	ENSG00000124216	-0.87549	3.389138	-7.02693	1.74E-06	8.81E-06	5.094641	3.58303	3.505362	3.500214	2.933382	3.207016	3.136338	3.941119	3.84524	3.957772	3.93235	3.741965	4.190389	2.977243	3.032175	2.821313	3.799922	3.743163	3.707454
MOCS3	ENSG00000124217	-0.29704	5.087301	-2.78298	0.012518	0.021574	-4.22892	5.420591	5.381559	5.434857	4.612502	4.573001	4.645422	4.926746	4.855002	4.88411	5.228194	5.363942	5.442097	5.408221	5.313248	5.437146	5.177758	5.198461	5.063177
STX16	ENSG00000124222	-0.76112	5.922029	-6.7207	3.11E-06	1.45E-05	4.030029	6.77549	6.679772	6.797698	5.591153	5.442845	5.506852	5.958837	5.970398	5.909288	6.073423	6.078893	6.075545	5.756555	5.659495	5.795858	5.628249	5.670976	5.680517
PPP4R1L	ENSG00000124224	-0.32365	2.944825	-1.90444	0.073446	0.10485	-5.38246	3.349713	3.39414	3.296854	2.255624	2.333126	2.455733	3.004565	2.871824	3.084728	3.681119	3.509623	3.101662	3.53901	3.520297	3.361763	3.333216	3.081525	3.254409
PMEPA1	ENSG00000124225	-0.2494	8.169705	-2.10728	0.04982	0.07417	-5.84929	8.572198	8.588514	8.609178	7.800928	7.86773	7.890416	8.233766	8.160813	8.208098	7.919204	8.016234	8.058428	8.235997	8.161844	8.183714	8.329888	8.193358	8.118658
RNF114	ENSG00000124226	-0.21209	7.103826	-3.21896	0.0049	0.009335	-3.55979	7.359093	7.353341	7.335247	6.839784	6.96799	6.865676	7.296144	7.376576	7.314845	6.999502	6.98321	7.052	7.047577	6.960624	7.050042	7.095472	7.067569	7.100198
DDX27	ENSG00000124228	0.084596	7.205765	1.806415	0.088103	0.123217	-6.30551	6.875203	6.821926	6.779425	6.720799	6.709846	6.748208	6.662755	6.758264	6.665144	7.66089	7.585524	7.621643	7.850907	7.823942	7.845794	7.58461	7.607002	7.57251
BCAS4	ENSG00000124243	-0.01496	4.194882	-0.13563	0.893661	0.912889	-7.39439	4.664623	4.668265	4.749122	4.424898	4.400635	4.568299	3.953155	4.060466	3.890739	4.125171	4.035189	4.096105	4.268416	4.225504	4.223448	4.302461	4.247965	4.051715
KCNK15	ENSG00000124249	2.000176	0.707149	7.990066	3.06E-07	2.01E-06	6.993705	1.475543	1.508929	1.54317	2.791417	3.012388	2.719893	1.240874	1.549165	1.01237	0.834246	0.583785	0.958181	2.027088	2.127698	2.23906	1.13872	0.816175	0.315289
ZBP1	ENSG00000124256	-0.78672	-0.96172	-4.00618	0.000872	0.002008	-0.83581	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.461296	2.865607	2.604447	1.573426	2.21055	1.923865	3.236813	3.32748	3.498643
MTRR	ENSG00000124275	-0.24225	5.987622	-5.29593	5.41E-05	0.000173	1.098683	6.548721	6.506104	6.59844	6.190301	6.099149	6.289823	6.271563	6.258786	6.249637	5.836229	5.779586	5.770599	5.710474	5.633455	5.654408	5.602102	5.583118	5.627686
FASTKD3	ENSG00000124279	-0.33284	4.16198	-3.81865	0.001316	0.002883	-1.76188	4.610293	4.751848	4.537101	4.190466	3.967543	4.027574	4.730929	4.831761	4.66091	3.991785	4.045764	4.016833	3.95166	3.90938	3.886451	4.072963	4.059571	4.170642
PEPD	ENSG00000124299	0.45337	5.218424	8.67706	9.54E-08	7.59E-07	7.741905	5.596044	5.544085	5.65879	6.080123	6.118637	6.031491	5.643139	5.640007	5.690258	4.663802	4.648439	4.735026	5.15451	5.014952	5.068941	4.511692	4.486784	4.416967
IQSEC2	ENSG00000124313	-0.31833	4.946178	-2.36563	0.029792	0.046742	-5.00854	5.227386	5.227863	5.152017	5.359221	5.473441	5.435149	4.772276	4.62424	4.84333	5.371579	5.113047	5.361641	4.580176	4.455227	4.635585	4.780845	4.740443	4.75819
STAMBP	ENSG00000124356	-0.11353	6.326483	-2.64288	0.016817	0.028058	-4.68467	6.39067	6.370174	6.330002	6.13993	6.230343	6.265599	6.215207	6.35158	6.336161	6.5195	6.50104	6.489715	6.386372	6.420828	6.447975	6.242181	6.275986	6.296701
NAGK	ENSG00000124357	0.696525	5.476296	12.84099	2.48E-10	6.29E-09	13.80525	4.969353	4.945746	4.866295	5.842822	5.779205	5.799394	5.193472	5.155666	5.112107	5.56792	5.54815	5.55125	6.15801	6.024042	6.123092	5.494399	5.576928	5.483771
MCEE	ENSG00000124370	0.661158	2.928904	5.988936	1.30E-05	5.01E-05	3.129391	2.850396	2.76681	2.830836	3.51817	3.560502	3.733615	3.388228	3.232814	3.586306	2.943032	2.674414	2.883807	3.27416	3.223865	3.19663	2.719047	2.827179	2.912845
PAIP2B	ENSG00000124374	0.177222	1.786147	2.123219	0.048293	0.072086	-4.90947	1.475543	1.277811	1.146821	1.326771	1.373859	1.310092	1.389995	1.301009	1.171446	3.196464	3.21391	2.992487	3.266686	3.338827	3.299771	3.218571	3.034117	3.340497
SNRNP27	ENSG00000124380	-0.65573	4.937245	-10.9135	3.15E-09	4.68E-08	11.27322	5.316463	5.278849	5.231457	4.440838	4.376555	4.627987	5.071794	5.083711	4.91817	5.360348	5.355466	5.313568	4.821167	4.843827	4.745971	4.96719	5.039493	4.958165
MPHOSPH	ENSG00000124383	-0.03219	6.242307	-0.78934	0.440492	0.504821	-7.45428	6.06494	6.059873	5.965997	6.01507	5.981675	6.156332	6.130298	6.205537	6.004837	6.520509	6.423083	6.502024	6.376858	6.425171	6.42845	6.492333	6.458768	6.505438
ATP8A1	ENSG00000124406	1.661779	4.99751	8.146223	2.34E-07	1.60E-06	6.834476	3.819083	3.976101	3.863273	6.4407	6.313024	6.552629	4.877071	4.860754	4.770621	4.717605	4.950911	4.781207	5.733698	5.719076	5.711642	4.530299	4.629187	4.670683
USP22	ENSG00000124422	-0.09235	8.668934	-1.73593	0.10017	0.138127	-6.49632	9.198275	9.187014	9.183291	8.907999	8.895803	8.893233	8.962725	8.953949	8.952009	8.354311	8.306025	8.302923	8.455669	8.408812	8.407794	8.277157	8.235556	8.226354
POF1B	ENSG00000124429	0.534153	2.1264	2.858314	0.010665	0.0187	-3.27843	3.983545	3.759847	3.773804	4.400654	4.56592	4.293939	2.696258	2.357042	2.34318	1.555182	1.467416	1.562415	1.838325	1.846087	1.610309	1.286141	1.16325	1.273688
ZNF576	ENSG00000124444	-0.03035	3.352932	-0.40687	0.689041	0.737009	-7.10524	3.443098	3.483793	3.443319	3.661095	3.574682	3.472196	3.296733	3.384264	3.4839	3.560679	3.605665	3.613714	3.475595	3.310934	3.65138	3.588914	3.449945	3.364179
ZNF45	ENSG00000124459	0.458066	5.009109	4.765642	0.000167	0.000465	0.046628	4.500523	4.474101	4.542529	4.576883	4.600983	4.592471	4.716879	4.637703	4.795267	5.291059	5.283572	5.40489	5.94276	5.91709	5.999005	5.249139	5.299655	5.207621
LYPD3	ENSG00000124466	-0.27883	3.561541	-3.39467	0.003339	0.006613	-2.82641	2.218961	1.780637	2.049454	1.978268	2.117603	2.164723	2.696258	2.220554	2.588518	5.454194	5.452044	5.616386	5.119672	5.255884	5.200779	5.338427	5.276925	5.274758
USP9X	ENSG00000124486	0.3099	7.617823	5.593322	2.92E-05	0.0001	1.567752	7.812801	7.895354	7.900979	8.211902	8.214177	8.442563	7.95727	7.95035	7.910367	7.133529	7.341824	7.070197	7.385278	7.33879	7.396317	7.120248	7.033319	7.14873
TRERF1	ENSG00000124496	-0.10547	3.960887	-0.85793	0.402543	0.467801	-7.11164	3.682132	3.505362	3.576275	3.472378	3.709312	3.632327	2.480375	2.451551	2.846105	5.004057	4.836805	4.956908	4.704315	4.869552	4.863891	4.999601	4.870969	4.878182
BTN2A2	ENSG00000124508	0.5899	3.00552	3.602051	0.002119	0.004428	-1.97476	3.142584	3.128277	3.044832	3.237064	3.132285	3.292047	3.747379	3.550079	3.543305	2.589954	2.804649	2.776437	3.507651	3.560336	3.563664	2.639009	3.093137	2.990979
SIRT5	ENSG00000124523	-0.6395	3.6919	-3.90877	0.00108	0.00242	-1.45539	4.969353	4.999934	5.11242	3.851999	3.934936	3.91707	3.953155	3.924273	3.968647	3.420635	3.390227	3.432666	3.281595	3.348006	3.586098	3.200096	3.225651	3.107809
MRS2	ENSG00000124532	-0.35937	5.882375	-7.50895	7.18E-07	4.12E-06	5.552185	6.303082	6.343478	6.315808	5.955291	5.833285	5.918911	6.192541	6.133713	6.106808	5.795112	5.778001	6.000535	5.493931	5.614563	5.596651	5.680829	5.599495	5.680517
WRNIP1	ENSG00000124535	-0.49645	6.134971	-6.12799	9.88E-06	3.92E-05	2.786017	5.876913	5.948154	5.963976	5.176143	5.300788	5.349094	5.387786	5.439365	5.459165	6.870067	6.786813	6.902168	6.480638	6.414288	6.513816	7.055565	6.984273	6.940028
RRP36	ENSG00000124541	0.155899	5.910112	3.720056	0.001635	0.003507	-2.35709	5.468578	5.485601	5.440682	5.583994	5.791399	5.73299	5.869576	5.951655	5.809985	6.108753	6.043715	6.069355	6.152952	6.178667	6.170875	6.313743	6.299984	6.361377
BTN2A3P	ENSG00000124549	0.576245	0.351614	2.74105	0.013679	0.023342	-3.2284	0.814199	0.940485	0.756332	1.688986	1.2379	1.123626	1.459147	1.658879	1.01237	1.315703	0.986408	1.027938	1.392977	1.203912	1.129895	1.387593	1.581179	1.416439
SNRPC	ENSG00000124562	-0.60164	6.941661	-12.8301	2.51E-10	6.35E-09	13.67659	7.35309	7.292612	7.213784	6.629867	6.489925	6.583107	6.861031	6.808236	6.794548	7.409505	7.203454	7.280406	6.80989	6.793471	6.801117	6.936453	6.994371	6.916195
SERPINB6	ENSG00000124570	-0.12813	6.456961	-1.44265	0.166801	0.215761	-6.74378	6.859408	6.92155	6.852259	6.325226	6.510356	6.500888	6.818899	6.873704	6.826285	6.179477	6.237208	6.162441	6.360276	6.359742	6.311026	6.104924	6.100116	6.23221
XPO5	ENSG00000124571	-0.2408	6.875914	-3.52819	0.002492	0.005108	-2.88894	6.824039	6.810059	6.877174	6.327371	6.291721	6.381113	6.581733	6.497174	6.464636	7.257972	7.211108	7.141758	7.196604	7.126498	7.161923	7.350238	7.217014	7.282911
ABCC10	ENSG00000124574	0.206008	4.650498	3.477306	0.002786	0.005639	-2.72536	4.357924	4.306074	4.464617	4.367681	4.310303	4.226032	4.057185	3.935218	4.132351	5.104407	5.128054	5.119519	5.441792	5.44741	5.451472	5.036515	4.943327	4.988957
PEX6	ENSG00000124587	0.27389	5.303747	3.979557	0.000924	0.002114	-1.73233	4.921476	4.778666	4.826803	5.316663	5.3917	5.114677	4.80585	4.482206	4.606245	5.850748	5.65389	5.738449	5.997966	5.898468	5.879974	5.757061	5.629711	5.526375
NQO2	ENSG00000124588	0.200931	5.871915	1.242224	0.230564	0.286931	-6.86301	6.057576	6.143066	6.073013	6.73864	6.867902	6.840666	7.012497	7.051461	7.037282	5.286319	5.186564	5.413061	4.798023	4.80769	4.885155	5.41852	5.31213	5.296461
AL365205.:	ENSG00000124593	0.396549	0.770075	1.815684	0.086614	0.121386	-4.99972	1.475543	1.631689	1.406977	1.688986	1.556428	1.526279	1.317361	1.549165	1.0941	1.646779	1.752042	0.993481	1.797417	1.681564	1.876113	0.974502	1.024588	1.504318
OARD1	ENSG00000124596	-0.25038	4.178092	-3.13272	0.005909	0.011044	-3.31052	4.179456	4.281283	4.011539	3.647423	3.709312	3.776446	4.122591	4.389749	4.235006	4.549776	4.399113	4.649089	4.305359	4.480488	4.448272	4.473742	4.525868	4.494122
AARS2	ENSG00000124608	-0.47263	4.474462	-8.75019	8.46E-08	6.87E-07	7.93968	4.433832	4.446492	4.345467	3.988393	3.967543	3.678224	4.293266	4.273815	4.45204	5.004057	5.030268	4.998768	4.610014	4.668079	4.531543	5.007591	5.092525	4.946447
ZNF391	ENSG00000124613	0.807513	2.929575	6.830196	2.52E-06	1.21E-05	4.770881	2.416107	2.403106	2.194417	3.57705	3.188693	3.377995	3.277716	3.26787	3.181386	3.047564	3.023743	2.920951	3.395624	3.606961	3.494191	3.415594	3.149837	3.254409
RPS10	ENSG00000124614	-0.29414	1.836595	-2.58629	0.018926	0.031164	-3.86734	1.927307	2.068355	2.514675	1.688986	1.817192	1.956998	1.917967	1.85606	2.239236	2.461296	2.453955	2.546206	2.385571	2.344993	2.220059	2.539649	2.392244	2.464474
MOCS1	ENSG00000124615	1.13623	-1.29851	4.222645	0.000542	0.001319	-0.07786	1.894617	2.258179	1.818408	3.123142	3.151334	3.086148	2.724622	3.002451	3.236418	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
H2BC11	ENSG00000124635	-0.98588	0.327977	-4.271	0.000488	0.0012	-0.2327	0.742531	0.316291	0.219246	0.52061	0.512209	0.461789	0.548589	0.824004	0.515351	2.722179	2.753956	2.766268	1.498836	1.871771	1.923865	2.782512	2.649824	2.760563
MED20	ENSG00000124641	-0.69969	5.343457	-7.1584	1.36E-06	7.15E-06	4.925811	5.924244	5.741029	5.668751	4.687901	4.621619	4.598452	4.845133	4.696781	4.819498	6.095267	5.932721	6.025264	5.609219	5.67599	5.54032	5.428474	5.444943	5.521118
TBCC	ENSG00000124659	-0.06612	4.575957	-0.95008	0.355026	0.419463	-7.07987	3.878801	3.928996	4.057757	4.009923	4.293254	4.10523	4.164604	3.913244	4.17992	5.240498	5.200828	5.375087	5.15451	5.203748	4.975731	5.365622	5.304658	5.21089
MAD2L1BF	ENSG00000124688	-0.09516	5.078907	-2.20331	0.041251	0.062545	-5.35463	4.941618	4.901694	4.715879	4.733909	4.831037	4.690911	4.7858	4.877874	4.878354	5.510146	5.461948	5.489229	5.399705	5.419382	5.378375	5.461813	5.380064	5.362617
KLHDC3	ENSG00000124702	0.201258	5.818152	2.55749	0.020094	0.032923	-4.83219	5.156772	4.95753	5.197454	4.97738	4.758354	4.859751	4.7858	4.68386	4.923769	6.669	6.631378	6.694633	7.094768	7.062418	7.016709	6.662239	6.618969	6.55
TREM1	ENSG00000124731	-0.29437	0.485474	-1.35622	0.192293	0.244386	-5.95667	0.318509	0.499412	0.679585	0.395333	0.106501	0.106501	0.415731	0.726566	0.39151	2.930935	3.034402	2.855308	2.822733	2.770668	2.976553	3.889124	4.156841	3.601852
MEA1	ENSG00000124733	1.30824	5.770472	16.59283	3.88E-12	3.18E-10	18.05463	4.315334	3.976101	4.02711	5.749917	5.716638	5.73299	5.661594	5.592401	5.845819	5.621589	5.727989	5.718809	6.812458	6.80268	6.789886	6.802793	6.818409	6.765398
COL21A1	ENSG00000124749	2.115774	-0.80313	5.555176	3.16E-05	0.000108	2.49058	0.216396	0.215206	0.106501	0.106501	0.106501	0.2349	0.269385	0.253663	0.256032	1.52331	1.435603	1.718241	3.5452	3.536446	3.62273	1.177011	1.2488	1.322858
CDKN1A	ENSG00000124762	-0.46659	8.569966	-3.01737	0.007583	0.013792	-4.06808	10.25706	10.29576	10.31228	9.285461	9.292078	9.232765	9.408013	9.348978	9.275296	7.479693	7.493406	7.550467	7.738227	7.729205	7.639608	7.39204	7.354835	7.26651
SOX4	ENSG00000124766	0.791085	6.710117	22.06838	3.30E-14	1.07E-11	22.84028	5.722499	5.798943	5.830573	6.610619	6.580549	6.526206	5.701383	5.692556	5.670411	7.232327	7.305434	7.272794	8.076841	8.058345	8.021714	6.990534	7.021973	6.965411
GLO1	ENSG00000124767	-0.95498	7.436774	-21.2592	6.21E-14	1.50E-11	22.19118	7.809517	7.848657	7.794117	6.97865	6.927127	6.906017	7.274724	7.35636	7.260567	8.006087	7.941045	8.021765	6.947712	7.028565	6.989618	7.634911	7.631597	7.665387
CPNE5	ENSG00000124772	-0.72021	-0.81242	-2.74344	0.01361	0.023241	-3.34518	0.587539	0.316291	0.323815	0.106501	0.25478	0.106501	0.106501	0.106501	0.256032	1.76051	1.922393	2.104662	1.621093	1.591687	1.550722	1.880661	2.101639	2.326628
RREB1	ENSG00000124782	0.0922	5.400263	1.176855	0.255033	0.314061	-6.94797	4.961483	5.030008	5.130553	5.025739	5.355198	5.246196	5.726144	5.400404	5.424038	5.600742	5.667648	5.554208	5.677036	5.644673	5.576251	5.629975	5.639643	5.552378
SSR1	ENSG00000124783	0.224751	7.643424	2.066284	0.05395	0.079603	-5.87238	7.337212	7.371806	7.268033	8.068583	7.903982	8.019712	8.051249	8.116425	8.121824	7.427375	7.450277	7.399096	7.183765	7.22507	7.291005	7.801193	7.808433	7.874628
RIOK1	ENSG00000124784	-0.46057	5.516493	-5.68802	2.40E-05	8.44E-05	1.979585	5.598583	5.610278	5.673707	4.97738	4.836932	4.903882	5.605504	5.666521	5.653661	5.866711	5.824803	5.865347	5.631211	5.546423	5.536486	5.616106	5.674845	5.802537
SLC35B3	ENSG00000124786	0.628799	4.220682	11.47484	1.45E-09	2.51E-08	12.14635	4.232739	4.080378	4.117166	4.759555	4.764552	4.839695	3.904396	4.050434	4.16108	4.14101	4.071868	4.075663	4.72355	4.630959	4.613913	4.175819	4.071361	3.992166
RPP40	ENSG00000124787	-0.13613	3.986996	-1.95831	0.066351	0.095758	-5.56635	4.006674	4.217373	4.131643	3.753334	4.020303	3.643939	3.774765	3.633086	3.655245	4.359822	4.407337	4.293123	4.376523	4.293598	4.302347	4.132632	4.151298	4.280507
ATXN1	ENSG00000124788	0.342608	5.424429	2.500388	0.022614	0.03658	-4.85645	5.121892	4.980813	5.041355	6.038828	5.927456	6.059941	5.049544	5.169636	5.126746	5.744175	5.852172	5.739748	5.713225	5.574066	5.643753	5.15875	5.089629	5.246367
NUP153	ENSG00000124789	-0.58165	7.045112	-13.0374	1.94E-10	5.31E-09	13.93699	7.052366	7.009084	7.049091	6.638531	6.634005	6.604065	7.040971	7.099686	7.01122	7.471887	7.474451	7.465025	6.751519	6.743914	6.7923	7.403188	7.357846	7.41986
DEK	ENSG00000124795	-0.42867	7.237657	-9.55533	2.34E-08	2.36E-07	8.947407	6.74716	6.718377	6.739811	6.464286	6.488053	6.452185	6.947802	7.037562	6.932863	7.956603	7.945641	7.912471	7.367483	7.481168	7.351732	7.931499	7.995633	7.99849
EEF1E1	ENSG00000124802	-0.56829	3.244089	-5.68941	2.39E-05	8.42E-05	2.418756	3.520128	3.370829	3.419917	3.456785	3.033076	3.216292	3.137083	3.335526	3.064594	3.812196	3.761343	3.804677	3.066031	3.173121	3.096004	3.545669	3.765107	3.55117
RUNX2	ENSG00000124813	-0.50926	1.868054	-3.52605	0.002504	0.00513	-2.55602	1.12723	1.002471	0.679585	0.635873	0.106501	0.657796	0.106501	0.253663	0.515351	5.552212	5.570294	5.564514	5.094564	5.16532	5.084783	5.559256	5.297147	5.356727
LRRFIP1	ENSG00000124831	0.206353	7.130074	2.995854	0.007942	0.014372	-4.04076	7.167157	7.164596	7.08487	7.451535	7.470871	7.508258	6.928119	6.947185	7.00463	6.999502	7.065411	7.010062	7.097404	7.136465	7.111262	7.096096	7.193606	7.096668
RAB17	ENSG00000124839	0.416377	1.635003	5.358803	4.74E-05	0.000154	1.530231	0.742531	0.316291	0.421314	0.395333	0.625525	0.3528	0.670238	0.387194	0.39151	4.772865	4.702905	4.69538	5.132064	5.180814	5.11852	4.704254	4.551348	4.680149
EREG	ENSG00000124882	-1.38542	4.999265	-14.5741	3.24E-11	1.45E-09	15.90689	4.439509	4.262405	4.288462	3.308302	3.394558	3.292047	3.440463	3.798055	3.373665	7.006724	6.837144	6.953487	5.471352	5.548415	5.565001	6.727389	6.760416	6.789649
MYRF	ENSG00000124920	0.017123	3.067916	0.123188	0.903364	0.920645	-7.16606	2.051128	2.596389	2.138168	2.864145	3.151334	2.784269	3.137083	2.960209	2.697131	3.75845	3.735447	3.784665	3.40246	3.479115	3.72061	4.171084	3.992947	4.150354
AHNAK	ENSG00000124942	-0.59311	8.621231	-2.76709	0.012946	0.022235	-4.65917	8.080963	8.121259	8.260106	6.183212	6.525036	6.693385	7.013934	7.072681	6.935637	10.02263	10.27984	9.731885	10.08698	10.00113	10.12959	10.0398	9.988538	10.12933
EMC3	ENSG00000125037	0.193638	6.210626	3.833075	0.001275	0.002803	-2.14232	6.153953	6.097639	6.162096	6.527227	6.401203	6.340657	6.290661	6.288964	6.321389	6.158881	6.135682	6.244398	6.337271	6.292394	6.244416	6.088695	6.078372	5.989254
SH3TC1	ENSG00000125089	1.020212	2.729406	5.008598	9.93E-05	0.000294	1.152475	2.568952	2.37994	2.5366	3.791129	4.091068	3.838399	3.352323	2.916694	2.937508	2.18395	2.267764	2.627101	2.842976	2.985883	2.633039	3.190769	3.081525	2.928814
CNOT1	ENSG00000125107	-0.00554	8.608015	-0.14679	0.884974	0.905965	-7.94301	8.96628	8.989767	8.996939	8.988827	8.900032	9.016717	9.194581	9.147548	9.075365	8.215045	8.250539	8.078858	8.203584	8.16282	8.182488	8.214393	8.208118	8.224334
LRRC29	ENSG00000125122	0.883241	0.794644	3.889031	0.001127	0.002512	-0.92184	1.791852	1.591918	1.921989	2.21912	2.366112	2.098749	1.966276	1.15884	1.777424	0.88529	1.112482	0.958181	1.27873	1.846087	1.970087	0.884806	0.759002	0.93723
BBS2	ENSG00000125124	-0.1626	5.639874	-1.5236	0.145499	0.191548	-6.49188	6.686388	6.78272	6.61399	6.241251	6.066908	6.250487	6.14086	6.201009	6.131214	5.026968	5.035583	4.970258	5.252352	5.308554	5.227188	4.808549	4.710599	4.665927
MT2A	ENSG00000125148	-0.74898	8.345949	-4.51992	0.000284	0.000743	-0.79827	8.427592	8.331704	8.457617	8.361755	8.390364	8.223543	8.7171	8.598359	8.736687	8.755286	8.656056	8.568982	7.253008	7.35709	7.297817	8.688459	8.744808	8.749321
C16orf70	ENSG00000125149	-0.34677	5.344448	-6.42423	5.51E-06	2.37E-05	3.53337	5.738706	5.651972	5.753101	5.468225	5.411586	5.525804	5.668911	5.623184	5.559688	5.43719	5.361828	5.381764	4.912595	4.894826	5.108223	5.095182	5.039493	5.233567
GOT2	ENSG00000125166	-0.2638	7.687347	-8.35165	1.65E-07	1.18E-06	6.919345	8.419715	8.402026	8.358782	8.122698	8.069592	8.100417	8.385808	8.345473	8.289503	7.175787	7.133916	7.251537	6.945373	6.938007	7.002185	7.171527	7.196974	7.204729
DOK4	ENSG00000125170	0.775156	3.705509	7.111925	1.49E-06	7.70E-06	5.243365	4.152058	4.15733	4.065319	4.960893	5.138434	4.946703	4.765467	4.709588	4.7071	2.817246	2.924094	3.026968	3.507651	3.310934	3.272365	2.979529	2.868308	2.742606
CLYBL	ENSG00000125246	-0.39299	2.545681	-2.6518	0.016506	0.027581	-3.78309	3.662849	3.676739	3.500214	2.633943	3.112982	3.103073	3.571163	3.564249	3.323715	2.204194	2.405511	2.16783	2.193986	2.344993	2.34809	2.192442	2.274787	2.174206
TMTC4	ENSG00000125247	-0.04396	4.238299	-0.68886	0.499956	0.562348	-7.15543	4.798758	4.634406	4.509652	4.569652	4.675247	4.55606	4.283766	4.247712	4.279358	4.167027	4.301006	4.171248	4.139322	4.250194	4.155068	3.967679	4.151298	3.840032
RAP2A	ENSG00000125249	0.005928	4.809496	0.087988	0.930886	0.943472	-7.54778	4.478633	4.389636	4.492928	4.746789	4.668652	4.696497	4.576101	4.722281	4.606245	5.115138	4.992502	5.185873	4.998573	4.953134	4.964358	5.334197	5.365774	5.243178

ABCC4	ENSG00000125257	0.094438	5.677809	1.544793	0.14031	0.185607	-6.52722	5.665509	5.708855	5.690917	6.038828	5.797458	6.004722	5.342749	5.510612	5.56328	5.896563	5.847646	5.922555	5.897506	5.76263	5.882997	5.479156	5.319564	5.394592
EFNB2	ENSG00000125266	-0.14824	5.072391	-1.52665	0.144741	0.190687	-6.52831	3.827767	3.7953	3.576275	3.325575	2.811499	3.26222	4.011872	4.256466	4.00079	6.741781	6.577735	6.676421	6.641694	6.545754	6.638906	6.737033	6.598745	6.576851
SOX21	ENSG00000125285	-1.31185	0.348706	-3.25282	0.004552	0.008737	-2.27939	0.814199	0.940485	0.756332	1.256461	1.087782	1.188496	0.782422	0.726566	0.39151	2.282443	1.989662	2.369387	1.218025	0.671977	0.760679	2.154563	2.054898	2.119598
TM9SF2	ENSG00000125304	0.484045	7.419883	11.16976	2.20E-09	3.48E-08	11.38902	6.955649	7.018491	6.935067	7.590198	7.55553	7.548972	7.351757	7.278997	7.277066	7.415486	7.422144	7.457935	7.811644	7.818174	7.820394	7.520908	7.479524	7.458876
HROB	ENSG00000125319	-2.16791	2.272056	-9.47644	2.64E-08	2.62E-07	9.405219	2.90065	2.886707	2.720234	1.688986	2.366112	1.757653	2.412257	2.451551	2.798137	3.584041	3.439177	3.647349	1.420179	1.495836	1.247156	3.39137	3.337278	3.340497
IRF1	ENSG00000125347	-0.89336	6.414996	-3.96152	0.000961	0.002188	-1.8873	7.026197	7.126826	7.110678	4.960893	5.235346	5.006395	6.034424	5.951655	6.025816	6.811067	6.777326	6.912578	6.713543	6.771466	6.653142	6.909699	6.955138	6.845398
UPF3B	ENSG00000125351	-0.3349	5.121741	-5.05997	8.90E-05	0.000267	0.725237	5.590951	5.496413	5.37527	4.927344	4.992907	4.951383	5.401027	5.514266	5.427983	5.096306	5.100422	5.125498	4.92689	5.012067	4.897167	5.049474	5.027439	5.048636
RNF113A	ENSG00000125352	0.161988	4.662443	2.897258	0.009814	0.017372	-3.88974	4.532747	4.446492	4.542529	4.694564	4.819175	4.735009	4.883375	4.610649	4.819498	4.762664	4.540416	4.657367	4.718081	4.739573	4.794943	4.936827	4.92395	4.810842
SEPTIN6	ENSG00000125354	0.246172	4.783311	4.738461	0.000177	0.000489	0.126045	5.071598	5.041126	5.11242	5.277258	5.296516	5.394483	5.531176	5.447033	5.383978	4.207702	4.205202	4.286022	4.483553	4.54975	4.329194	4.438712	4.49993	4.557121
NDUFA1	ENSG00000125356	0.053603	6.42163	0.861714	0.400513	0.465818	-7.36966	7.071687	7.053685	7.001604	6.882719	6.995921	7.011748	7.063352	7.163906	7.189135	5.682381	5.708155	5.885453	5.910753	5.978961	5.990621	5.744367	5.753789	5.843128
DMAC2L	ENSG00000125375	0.909646	3.918699	7.469345	7.72E-07	4.39E-06	5.792303	3.747663	3.838426	3.466347	4.367681	3.99943	4.323123	4.122591	4.230044	3.946814	3.614613	3.754913	3.406715	4.690417	4.668079	4.519937	3.724364	4.088867	3.805852
BMP4	ENSG00000125378	0.578964	2.409789	5.975908	1.34E-05	5.13E-05	2.728351	0.587539	0.582935	0.898566	1.022291	1.164793	0.909432	0.886508	0.253663	0.925731	5.133727	4.995233	5.026725	5.597352	5.591562	5.618582	5.774336	5.688306	5.627686
FAM193A	ENSG00000125386	0.160265	5.415322	2.473065	0.023923	0.038483	-4.844	5.752454	5.668796	5.874275	6.004384	5.87399	5.867836	6.01446	5.991525	6.043926	5.021274	4.916753	4.963598	5.156533	5.065909	5.143946	4.980783	4.780497	5.011626
GRK4	ENSG00000125388	0.477567	2.336912	4.262882	0.000497	0.001219	-0.43135	2.438959	2.37994	2.5366	2.791417	2.57804	2.481849	2.513265	2.623806	2.34318	2.30136	2.604605	2.369387	2.977243	3.098942	2.821313	2.890155	2.680939	2.528753
SOX9	ENSG00000125398	-1.14749	6.680115	-10.146	9.54E-09	1.14E-07	9.954721	7.722555	7.78008	7.841124	6.211362	6.272275	6.12353	7.16128	7.020962	7.122528	6.583684	6.650558	6.715264	5.936886	5.956632	5.942167	6.492333	6.481037	6.510753
HS3ST3B1	ENSG00000125430	1.276447	-0.36028	3.41864	0.003168	0.006316	-1.75214	2.867343	3.042358	3.371944	4.400654	4.470555	4.480358	4.235306	4.119235	4.011347	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.19538	0.106501
SLC25A35	ENSG00000125434	-0.14058	2.659556	-1.15929	0.26193	0.321748	-6.18818	3.593253	3.547555	3.764544	3.591402	3.546181	3.608819	3.80164	3.90213	4.00079	2.282443	2.320972	2.286428	2.112949	1.921808	2.121111	2.115663	2.190809	1.81044
MRPS7	ENSG00000125445	-0.24673	7.101566	-6.86259	2.37E-06	1.15E-05	4.180086	7.209304	7.152685	7.136032	6.989528	6.980027	6.994845	7.172906	7.193836	7.106615	7.311439	7.182044	7.316135	6.977203	6.975507	6.94692	7.137949	7.120306	7.120329
GGA3	ENSG00000125447	-0.07644	6.113566	-1.13399	0.272113	0.332336	-7.12146	5.679969	5.496413	5.695796	5.775282	5.921921	5.804577	5.661594	5.619796	5.738712	6.71822	6.747675	6.750511	6.532195	6.403323	6.500099	6.493282	6.425856	6.481278
ARMC7	ENSG00000125449	-0.07607	4.702046	-1.16591	0.259313	0.318836	-6.82088	4.702888	4.710662	4.711067	4.694564	4.607895	4.55606	4.737903	4.843429	4.99996	4.893087	4.672521	4.916098	4.823716	4.682664	4.775553	4.908658	4.725598	4.689552
NUP85	ENSG00000125450	-0.72952	6.169412	-14.5264	3.42E-11	1.50E-09	15.7907	6.110133	6.130976	6.100872	5.49519	5.48099	5.562977	5.919505	5.891111	5.923331	6.906816	6.71988	6.84171	6.070582	6.045359	5.980777	6.775756	6.729127	6.753118
SLC25A19	ENSG00000125454	-0.92348	3.761303	-6.74387	2.97E-06	1.39E-05	4.372798	3.071243	3.209365	3.044832	2.97776	3.31232	3.216292	3.423261	3.023117	3.236418	5.109782	4.884715	5.076957	3.92342	3.890658	3.78667	4.942395	4.84029	4.930673
MIF4GD	ENSG00000125457	-0.02987	4.617251	-0.57455	0.572919	0.631855	-7.29006	5.104131	4.941796	4.974661	5.077635	4.917027	4.960699	4.864381	4.905964	5.036597	4.447347	4.439772	4.307219	4.36607	4.385617	4.329194	4.37837	4.455636	4.317368
NT5C	ENSG00000125458	0.372848	5.230607	6.104691	1.03E-05	4.09E-05	2.899938	5.233934	5.188404	5.350729	5.432797	5.57921	5.535187	5.461262	5.392484	5.489686	4.663802	4.959326	5.011739	5.322513	5.38635	5.29458	5.251384	5.203826	5.109451
MSTO1	ENSG00000125459	-0.13066	5.000189	-1.33632	0.198581	0.251391	-6.65956	5.135946	4.999934	5.214556	5.227586	5.309293	5.448454	5.218618	5.088621	5.107194	5.079966	4.96212	5.058324	4.684821	4.565575	4.642737	4.945171	5.018332	5.133766
MIR9-1HG	ENSG00000125462	-1.7579	0.576311	-10.676	4.41E-09	6.12E-08	11.15173	0.814199	0.661886	0.829201	0.258133	0.106501	0.2349	0.670238	0.253663	0.515351	3.838337	3.936355	3.636224	2.42639	2.269709	2.399663	2.946659	3.104657	3.364179
TTF1	ENSG00000125482	-0.00907	5.056462	-0.2107	0.83556	0.863697	-7.60011	4.640181	4.696667	4.458888	4.576883	4.439897	4.616245	4.723921	4.651042	4.505294	5.608358	5.568461	5.603592	5.60478	5.591562	5.620394	5.655626	5.647541	5.65194
GTF3C4	ENSG00000125484	-0.67409	7.160138	-12.1007	6.33E-10	1.32E-08	12.70187	7.565929	7.52221	7.561956	6.699426	6.634005	6.719686	6.917408	6.917137	6.863179	7.574593	7.55485	7.570329	7.056273	7.036394	7.089835	7.263926	7.254986	7.271998
DDX31	ENSG00000125485	-0.35324	6.126134	-6.54484	4.36E-06	1.94E-05	3.66006	6.610415	6.553462	6.550756	6.082665	6.036494	6.083584	6.417699	6.383897	6.185827	6.13667	5.980355	6.11013	5.90595	5.828053	5.857096	5.977832	5.992618	5.964291
PPP1R12C	ENSG00000125503	0.283788	5.733913	6.177146	8.96E-06	3.61E-05	2.92703	5.089762	5.198371	5.293935	5.540275	5.507103	5.445139	5.120637	5.146277	5.155586	6.056821	6.104409	6.22318	6.439685	6.351779	6.39813	6.288825	6.217503	6.163014
MBOAT7	ENSG00000125505	0.256341	6.544708	2.646491	0.01669	0.027852	-4.70791	5.903856	5.981241	6.10638	6.631604	6.69694	6.656599	6.200136	6.126568	6.233947	6.830732	6.758966	6.883472	6.80796	6.790949	6.738237	6.981773	6.905782	6.864204
SLC2A4RG	ENSG00000125520	-0.19982	6.135226	-1.60317	0.126814	0.170061	-6.4959	6.32778	6.397828	6.500048	6.067345	6.356762	6.192364	5.665257	5.786207	5.819027	6.119452	6.126994	6.2761	6.010325	6.009653	5.977952	6.531651	6.389822	6.264029
PPDPF	ENSG00000125534	0.716207	6.95869	4.944175	0.000114	0.000332	0.203049	6.262023	6.322368	6.432954	6.765786	7.019439	6.684979	6.054115	6.143184	6.229433	6.702296	6.876922	7.191054	7.752677	7.798639	7.843468	8.017104	7.807552	7.588934
IL1B	ENSG00000125538	-3.34143	1.005737	-11.0378	2.64E-09	4.04E-08	11.13709	5.142921	5.05216	5.067946	1.74141	1.909591	1.919272	3.66196	3.605944	3.856018	0.669294	1.07167	0.76743	0.234608	0.26996	0.404558	0.930351	0.504542	0.497646
CHCHD5	ENSG00000125611	0.012626	4.624188	0.19312	0.849092	0.875334	-7.46263	4.937612	4.769782	5.022058	4.63346	4.877535	4.702062	4.779054	4.796183	4.88411	4.476768	4.435757	4.515833	4.662213	4.653345	4.584502	4.492842	4.572242	4.515429
PAX8	ENSG00000125618	-0.65175	0.110713	-1.91588	0.071886	0.102829	-4.5565	2.867343	2.596389	2.966237	2.605941	2.490996	2.22781	2.446718	2.420731	1.918715	0.415169	0.462741	0.499259	0.171976	0.345231	0.263213	0.326864	0.433238	0.805046
INSIG2	ENSG00000125629	0.49135	3.990946	5.196462	6.67E-05	0.000207	1.207317	3.313074	3.298545	3.443319	4.254996	4.240862	4.088331	3.853933	4.147745	4.011347	4.252132	4.269773	4.021115	4.407437	4.412116	4.460466	4.454386	4.298997	4.305185
POLR1B	ENSG00000125630	-0.14753	7.073374	-3.67843	0.001791	0.003816	-2.57774	6.83915	6.826218	6.823565	6.536528	6.622106	6.577063	6.838498	6.932239	6.817288	7.420362	7.473962	7.41505	7.411777	7.328972	7.35772	7.432666	7.405778	7.465734
CCDC93	ENSG00000125633	-0.5695	5.620093	-6.52533	4.52E-06	2.00E-05	3.708444	6.508778	6.400708	6.48744	5.587578	5.518152	5.722075	6.177231	6.065615	6.033605	5.481405	5.4757	5.329196	5.144351	5.136474	5.198354	5.20581	5.126826	5.133766
PSD4	ENSG00000125637	0.315078	3.36047	4.408029	0.000362	0.000922	-0.63868	1.826927	1.883052	2.018628	1.840866	2.117603	1.714252	1.70672	1.301009	1.962896	5.193173	5.205552	5.236474	5.513008	5.650249	5.505435	5.526265	5.541343	5.610463
SLC25A23	ENSG00000125648	0.46226	5.339089	6.169677	9.09E-06	3.65E-05	2.985139	4.888652	4.847837	4.671981	5.432797	5.554381	5.464914	5.342749	5.068879	5.269907	5.487612	5.495122	5.549768	5.850787	5.77289	5.799062	5.388239	5.480747	5.408895
PSPN	ENSG00000125650	0.13478	1.225904	0.726217	0.477319	0.540977	-6.31363	1.894617	1.744817	1.499186	2.103714	1.768674	2.132113	2.226405	2.108984	2.309357	1.586365	1.529011	1.820066	1.548989	1.462417	1.667532	1.734264	1.368306	1.322858
GTF2F1	ENSG00000125651	-0.06658	6.803272	-1.11829	0.278576	0.339212	-7.19496	6.971409	6.943443	6.974754	6.660819	6.807642	6.642197	6.698944	6.842069	6.712819	6.753849	6.724824	6.848353	6.914621	6.878279	6.836635	6.850218	6.898355	6.739602
ALKBH7	ENSG00000125652	1.002351	3.231918	7.684451	5.25E-07	3.16E-06	6.340677	3.114469	3.182839	2.94999	3.863871	3.978251	3.689474	3.774765	3.761625	3.913431	2.494552	2.741	2.911754	3.652319	3.819851	3.740748	3.415594	3.2466	2.79582
CLPP	ENSG00000125656	-0.07091	5.059172	-0.86829	0.397003	0.462159	-7.16727	5.000411	5.168263	5.408347	5.112883	5.351085	5.046319	5.405414	5.396449	5.412136	4.728129	4.815334	5.12947	4.766576	4.801021	4.836082	5.308556	5.157568	5.026544
TNFSF9	ENSG00000125657	-0.62706	2.407809	-2.34632	0.03098	0.048388	-4.00871	6.557884	6.653448	6.714788	6.127673	5.946666	5.968239	5.97958	6.048077	6.106808	0.269074	0.695454	0.884879	0.5125	0.345231	0.533283	0.517985	0.358227	0.805046
THOC2	ENSG00000125676	-0.10641	6.67208	-2.80627	0.011914	0.020629	-4.38048	6.901149	6.845372	6.905885	6.781518	6.761899	6.849469	6.932685	6.877965	6.892029	6.603825	6.643613	6.530843	6.466028	6.522633	6.410754	6.429288	6.461011	6.546123
MED1	ENSG00000125686	-0.27294	6.806431	-6.46712	5.07E-06	2.20E-05	3.424287	6.893931	6.896261	6.789732	6.592896	6.591051	6.575548	6.979041	6.91299	6.935637	6.979821	7.015848	6.936015	6.689989	6.67902	6.747389	6.853916	6.813152	6.873516
RPL23	ENSG00000125691	-0.15295	8.998338	-4.0191	0.000847	0.001955	-1.94654	9.497862	9.469288	9.456126	9.251691	9.244641	9.213656	9.329393	9.324732	9.359306	8.788346	8.734548	8.621754	8.575067	8.686951	8.675482	8.574744	8.590265	8.630464
ATG4C	ENSG00000125703	0.285376	3.186632	2.821831	0.011526	0.020038	-3.5919	3.765853	3.7235	3.55495	4.227693	3.867423	4.018682	4.205428	4.166444	4.170531	2.605258	2.646894	2.745712	2.694919	2.743101	2.95373	2.77004	2.649824	2.944608
CD70	ENSG00000125726	-0.14365	2.042409	-0.6164	0.545578	0.605758	-6.14729	7.310354	7.365923	7.342267	7.17487	7.316996	7.111303	6.360105	6.171229	6.273953	0.269074	0.330605	0.34382	0.294634	0.26996	0.263213	0.257084	0.106501	0.214669
C3	ENSG00000125730	0.997473	5.41807	6.303102	6.98E-06	2.91E-05	3.506809	7.883226	7.917645	7.85264	8.665884	8.751124	8.746449	6.849809	6.870857	6.817288	2.881509	2.516115	2.53427	4.059394	4.225504	4.174939	2.843302	2.95995	2.778299
SH2D3A	ENSG00000125731	-0.07316	3.719953	-0.3192	0.753357	0.794348	-7.40535	3.562366	3.888531	3.717332	1.578054	2.155834	1.526279	2.513265	2.420731	2.77354	4.796392	4.854958	5.101431	5.297059	5.246098	5.227188	5.233327	5.160331	5.091828
TRIP10	ENSG00000125733	-0.89795	6.05022	-4.1637	0.000617	0.001475	-1.38996	7.249446	7.233258	7.312395	5.605366	5.77614	5.581211	5.697811	5.623184	5.54523	6.055429	5.963722	6.157586	5.805085	5.80324	5.816561	5.969675	6.033874	6.102702
GPR108	ENSG00000125734	0.318388	5.928314	7.399103	8.77E-07	4.90E-06	5.3407	6.234531	6.22335	6.309455	6.529092	6.577031	6.581598	6.081788	6.104921	6.111723	5.473087	5.514285	5.484585	5.903542	5.736656	5.784586	5.546516	5.433569	5.534225
FOSB	ENSG00000125740	-0.83717	2.198839	-6.92042	2.13E-06	1.05E-05	4.952266	2.568952	2.152784	2.248556	0.934951	1.718467	1.422231	1.648695	1.809233	1.727075	3.818776	3.709078	3.809637	3.125084	3.152313	3.19663	3.022222	3.022017	2.912845
OPA3	ENSG00000125741	0.330475	5.312911	4.346264	0.000414	0.001036	-0.88399	5.060589	5.011285	4.986657	5.591153	5.700562	5.660525	5.37889	5.268148	5.265504	5.267203	5.334056	5.299534	5.464835	5.377412	5.33267	5.467617	5.41055	5.428683
SNRPD2	ENSG00000125743	-0.28452	7.416478	-7.09356	1.54E-06	7.94E-06	4.59556	7.446968	7.427944	7.392724	6.990882	7.031055	6.998241	7.16128	7.183546	7.282524	7.759944	7.759025	7.726331	7.562444	7.593968	7.563452	7.585945	7.589685	7.599573
RTN2	ENSG00000125744	1.125242	2.526096	10.32889	7.29E-09	9.14E-08	10.65073	1.990546	2.125186	2.109199	2.633943	2.520598	2.429135	2.376953	1.809233	2.087859	2.918737	2.753956	2.826234	4.093589	3.976023	3.951255	3.227721	3.356678	3.050576
EML2	ENSG00000125746	-0.68358	5.741227	-2.6695	0.015904	0.026684	-4.52246	6.755148	6.671448	6.756255	4.803367	4.966263	5.055043	6.210201	6.119389	6.247406	5.404758	5.561109	5.537862	5.879245	5.717306	5.735254	5.580838	5.396559	5.481066
VASP	ENSG00000125753	-0.34246	6.134102	-2.33637	0.031609	0.049311	-5.27506	6.416805	6.234694	6.382396	5.388282	5.582723	5.451761	5.243334	5.25073	5.396113	6.508349	6.486558	6.682517	6.618395	6.584132	6.523535	6.710356	6.713224	6.649721
SYMPK	ENSG00000125755	0.103676	6.941066	2.172797	0.043815	0.066017	-5.64583	6.707715	6.671448	6.733892	6.946912	7.051479	6.899977	6.838498	6.659423	6.740051	7.137482	7.11207	7.141758	7.135344	7.086612	7.092449	7.085441	7.046072	7.071714
GPCPD1	ENSG00000125772	0.135861	5.563481	1.542725	0.140809	0.186198	-6.51387	5.217507	5.168263	5.126945	5.647184	5.3917	5.614052	5.228555	5.348128	5.015776	5.80343	5.790631	5.818136	5.777742	5.719076	5.863232	5.953221	6.08129	6.154551
SDCBP2	ENSG00000125775	-0.38873	1.184852	-1.23415	0.233484	0.290285	-5.86859	1.069823	1.173893	1.202741	1.022291	1.2379	0.830331	2.26554	2.147141	2.616448	2.224158	2.405511	2.088428	1.818016	1.766169	2.036756	1.759719	1.90484	2.397196
PANK2	ENSG00000125779	-0.00132	5.77273	-0.02459	0.980663	0.983979	-7.70682	5.687145	5.774724	5.727119	5.547654	5.518152	5.622881	5.907184	5.80423	5.763904	5.730282	5.87162	5.862963	5.93335	5.912457	5.973704	5.976476	5.893164	5.890784
FOXA2	ENSG00000125798	-0.64568	1.689894	-3.85698	0.00121	0.002672	-1.59834	0.318509	0.499412	0.679585	0.841981	1.373859	1.055701	0.548589	0.726566	0.515351	4.382206	4.361514	4.50975	3.663745	3.688714	3.644271	4.865346	4.596923	4.641909
GZF1	ENSG00000125812	0.234907	5.743933	3.075192	0.006693	0.01235	-3.71616	5.356021	5.300601	5.144898	5.800209	5.707014	5.735705	5.747035	5.946255	5.920533	5.885637	5.881985	5.832828	5.979798	5.844361	5.911405	5.992668	5.953337	5.954574
NAPB	ENSG00000125814	-0.28702	4.101367	-3.5791	0.002228	0.004625	-2.37741	3.530804	3.667203	3.698006	3.290819	3.502343	3.59692	4.011872	3.879643	3.808383	4.826087	5.006104	4.801266	4.531115	4.557684	4.569568	4.739863	4.547132	4.894538
CENPB	ENSG00000125817	0.150593	7.376816	2.364478	0.029861	0.046815	-5.31748	7.2567	7.285617	7.379137	7.48747	7.742215	7.419839	7.548039	7.400467	7.464485	7.175787	7.125841	7.34247	7.348581	7.280056	7.22761	7.566244	7.516648	7.37758
PSMF1	ENSG00000125818	-0.06807	7.663586	-1.76477	0.09507	0.131887	-6.39644	7.610016	7.617517	7.632367	7.465237	7.478433	7.429935	7.49139	7.449959	7.511724	7.793735	7.738394	7.85065	7.830459	7.758328	7.835688	7.86085	7.887252	7.835455
DTD1	ENSG00000125821	-0.37853	5.438701	-6.55472	4.27E-06	1.90E-05	3.745695	5.253402	5.387379	5.350729	4.640378	4.789085	4.803913	5.120637	5.174263	5.22526	5.976711	5.853677	5.964298	5.72145	5.703069	5.622205	6.000697	6.053325	5.896886
RBCK1	ENSG00000125826	0.008994	7.213058	0.107133	0.915904	0.931535	-7.86572	7.022419	7.141537	7.128833	6.826196	6.916032	6.824175	7.063352	6.988491	6.963088	7.14208	7.232095	7.280406	7.432799	7.41883	7.448266	7.831518	7.741753	7.616926
TMX4	ENSG00000125827	0.433447	7.337179	4.101305	0.000707	0.001666	-1.56122	8.377828	8.381032	8.359551	9.088633	9.029539	9.041621	9.349738	9.389831	9.394513	5.671517	5.704822	5.649959	5.635569	5.767769	5.706532	5.944923	5.899792	5.956523
STK35	ENSG00000125834	-0.7706	6.116221	-15.82	8.51E-12	5.64E-10	17.2169	6.127821	6.056225	6.067376	5.20443	5.270617	5.085168	5.624444	5.58894	5.828013	7.009602	6.998941	6.967424	6.314799	6.364273	6.258452	6.614207	6.54268	6.585692
SNRPB	ENSG00000125835	-0.60649	8.012415	-13.0649	1.88E-10	5.15E-09	13.91567	8.190644	8.07873	8.154182	7.367511	7.615916	7.422369	8.230679	8.174734	8.195424	8.373432	8.23069	8.270689	7.772931	7.757897	7.703846	8.262485	8.302108	8.225546
NRSN2	ENSG00000125841	0.952079	6.021088	7.61864	5.90E-07	3.50E-06	5.722292	4.85081	4.992316	4.998554	6.392338	6.478657	6.34422	6.059692	5.986272	6.074452	6.048447	6.065964	6.06002	6.648179	6.631886	6.615468	6.141692	6.24509	6.189767
AP5S1	ENSG00000125843	-0.00456	3.936226	-0.05845	0.954053	0.962023	-7.32675	4.284124	4.164126	4.388298	4.122913	4.301803	4.113606	3.928981	4.019913	4.093134	3.926269	3.842432	4.003908	4.015478	3.903166	4.067427	3.871719	3.520448	3.999746
RRBP1	ENSG00000125844	-0.04955	8.460921	-0.78059	0.445487	0.509685	-7.63799	8.543161	8.520298	8.608532	8.541124	8.642144	8.619869	8.547361	8.513726	8.536076	8.29538	8.300792	8.35644	8.186357	8.176088	8.192879	8.606876	8.606308	8.579847
BMP2	ENSG00000125845	-0.07741	5.594057	-0.27094	0.78961	0.825183	-7.67637	5.319544	5.195056	5.187095	4.171485	4.447623	4.271657	5.872748	5.571508	5.623012	6.401729	6.277022	6.558361	6.720398	6.73607	6.790692	5.479156	5.428995	5.284099
ZNF133	ENSG00000125846	0.055187	4.433597	1.07078	0.298833	0.360579	-6.97668	3.765853	3.912946	3.668523	3.674639	3.670226	3.632327	3.423261	3.462004	3.528681	5.395984	5.296913	5.39172	5.489122	5.415021	5.51521	5.291204	5.368165	5.350812
FLRT3	ENSG00000125848	0.636411	2.108787	2.996162	0.007937	0.014365	-2.9117	3.86199	3.8803	3.717332	4.062381	4.139571	4.358792	3.866715	3.89093	3.708117	1.158593	0.89579	0.726056	1.711947	1.846087	1.826726	1.13872	0.871168	1.273688
OVOL2	ENSG00000125850	0.281409	-0.10397	2.845123	0.010969	0.019164	-3.6637	0.106501	0.215206	0.219246	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	3.730807	3.695711	3.824415	4.102013	3.976023	4.040604	3.200096	3.046116	3.215882
MKKS	ENSG00000125863	-0.14298	6.177962	-2.59438	0.01861	0.030686	-4.73507	6.560491	6.511443	6.440242	6.481726	6.373081	6.476742	6.473082	6.535438	6.481819	5.891891	5.956734	5.925985	5.657166	5.798226	5.689366	6.133197	6.07105	6.123666
BFSP1	ENSG00000125864	0.077172	2.885157	0.805263	0.431487	0.496219	-6.66411	3.701161	3.483793	3.408073	3.661095	3.502343	3.584921	3.178682	3.619579	3.513908	2.708071	2.618839	2.714318	2.591031	2.824271	2.906973	2.432936	2.552239	2.528753
DSTN	ENSG00000125868	0.386854	8.484532	13.6688	9.12E-11	3.09E-09	14.63445	8.039979	8.008245	7.987594	8.425224	8.42453	8.370568	8.334396	8.371392	8.383928	8.471687	8.44882	8.510213	8.8048	8.8954	8.868959	8.787302	8.784294	8.880581
SNRPB2	ENSG00000125870	-0.45705	7.000472	-9.45603	2.73E-08	2.68E-07	8.803427	7.097051	7.061896	7.046228	6.450574	6.434631	6.455483	6.575907	6.717636	6.704711	7.475014	7.451769	7.491502	7.09793	7.178878	7.172463	7.192707	7.310756	7.308312
MGME1	ENSG00000125871	-0.40428	5.451871	-3.06973	0.006773	0.012489	-3.70081	4.803168	4.813666	4.986657	5.190356	5.217382	5.179942	5.136557	5.098392	5.041756	6.208578	6.179557	6.202588	5.468097	5.379652	5.386919	6.134413	6.107292	6.24183
TBC1D20	ENSG00000125875	0.106874	6.372017	2.422929	0.026512	0.042186	-5.10461	6.510127	6.502086	6.448939	6.525359	6.675717	6.683573	6.718467	6.629411	6.598441	6.26628	6.135682	6.136029	6.242349	6.257503	6.242063	6.203286	6.111581	6.135756
ITPA	ENSG00000125877	0.245101	6.484261	6.502335	4.73E-06	2.08E-05	3.510113	6.174524	6.134441	6.237656	6.318771	6.550371	6.476742	6.089987	6.201009	6.188155	6.683492	6.666919	6.734952	6.91103	6.923497	6.922151	6.636707	6.568907	6.600722
MCM8	ENSG00000125885	-1.72756	5.525228	-17.5361	1.56E-12	1.58E-10	19.00845	5.814934	5.814146	5.843823	4.487626	4.726954	4.633822	5.510962	5.606164	5.504708	6.552442	6.516329	6.609028	4.659362	4.693507	4.468538	6.188132	6.177154	6.305902
FAM110A	ENSG00000125898	0.369659	3.249174	3.931009	0.001028	0.002318	-1.65211	1.642349	1.551021	1.499186	1.840866	1.2379	1.880533	2.186178	1.658879	2.047395	4.926979	5.079989	5.383428	5.47622	5.514168	5.579982	5.55381	5.456227	5.274758
MRPS26	ENSG00000125901	0.041815	6.15792	0.499607	0.623583	0.678044	-7.64488	5.845187	6.059873	6.084222	5.809447	6.140251	5.852905	5.704947	5.673074	5.779429	6.261458	6.356686	6.525577	6.503868	6.473152	6.533189	6.732219	6.549018	6.340636
NCLN	ENSG00000125912	-0.22941	6.86596	-3.54333	0.00241	0.004958	-2.83547	7.133406	7.190625	7.25817	6.876873	7.027194	6.851974	7.112476	7.005467	7.116428	6.611424	6.677158	6.87935	6.617661	6.488798	6.526438	6.950337	6.8967	6.599476
HNRNPR	ENSG00000125944	0.068421	7.998271	1.315002	0.205502	0.259161	-7.0512	7.917699	7.919152	7.925594	8.192027	8.141613	8.215297	8.218888	8.264798	8.290045	7.870951	7.899744	7.891865	7.787693	7.757467	7.780826	7.963001	7.997952	8.039974
ZNF436	ENSG00000125945	0.499335	4.190576	7.251945	1.15E-06	6.18E-06	5.26729	3.810347	3.695626	3.607684	3.791129	3.89028	3.848471	3.814892	3.605944	3.543305	4.485065	4.591835	4.554757	5.132064	5.203748	5.141424	4.730238	4.676269	4.849107
MAX	ENSG00000125952	0.125418	6.187314	1.429988	0.170354	0.219639	-6.76976	5.736401	5.734195	5.661287	5.350809	5.49969	5.384134	5.628203	5.636658	5.670411	6.73484	6.681403	6.740806	7.12866	7.071452	7.052729	6.674001	6.716982	6.670052
ARMCX5	ENSG00000125962	0.292395	3.82507	2.828924	0.011354	0.019764	-3.78957	4.206344	4.383825	4.087767	4.072648	4.276	4.178918	4.330652	4.428995	4.22597	3.367773	3.330936	3.283783	3.850304	3.915568	3.910354	3.711377	3.595851	3.591857
MMP24	ENSG00000125966	1.715716	0.590681	5.502222	3.52E-05	0.000118	2.461821	2.137484	2.258179	2.221741	3.875646	3.832443	3.818042	2.144798	2.108984	2.274723	0.609835	0.748206	0.449284	1.121891	1.077171	0.812339	0.457048	0.433238	0.106501
NECAB3	ENSG00000125967	0.623215	5.049064	6.632108	3.68E-06	1.68E-05	4.046736	5.496078	5.507143	5.651273	6.281638	6.350594	6.208094	6.025902	5.807211	5.961941	4.151473	4.23323	4.300188	4.709837	4.645922	4.580783	3.912008	4.017531	3.999746
ID1	ENSG00000125968	0.376098	6.259166	2.280525	0.035369	0.054529	-5.39898	5.288426	5.523092	5.592306	5.72735	6.116215	5.735705	5.93476	5.9217	5.994232	6.71734	6.954034	7.104404	7.237799	7.345107	7.263431	6.368542	6.243788	5.977786
RALY	ENSG00000125970	0.157596	7.30295	2.826315	0.011417	0.01986	-4.42009	6.903204	6.762709	6.885741	6.701082	6.969333	6.808782	6.843356	6.794778	6.858801	7.680891	7.600396	7.762912	7.980479	7.953624	7.980675	7.744153	7.72132	7.679614
DYNLRB1	ENSG00000125971	-0.02078	6.865286	-0.36737	0.717754	0.76325	-7.76552	6.969448	6.963061	7.002589	6.784644	6.844685	6.811359	6.965736	6.998961	7.001986	6.87165	6.7876	6.862742	6.947128	6.918114	6.961293	6.682344	6.686643	6.745249
EIF2S2	ENSG00000125977	-0.47035	8.517873	-8.40685	1.50E-07	1.10E-06	6.949424	8.965297	8.996923	8.928369	8.342792	8.306286	8.388367	8.834803	8.846809	8.867373	8.547425	8.468359	8.522349	8.169174	8.153688	8.225102	8.285944	8.273369	8.274014
ERGIC3	ENSG00000125991	0.604216	8.139188	12.98907	2.06E-10	5.56E-09	13.79785	7.750798	7.793291	7.749639	8.328405	8.326854	8.32981	7.530072	7.518879	7.524679	8.218781	8.132413	8.174239	8.838273	8.793678	8.79926	8.275228	8.259265	8.260669
ROMO1	ENSG00000125995	-0.05719	6.552292	-1.33072	0.200382	0.253445	-6.9149	6.643993	6.571467	6.696646	6.554953	6.52686	6.415394	6.532447	6.59704	6.586135	6.509367	6.549218	6.594732	6.507836	6.658876	6.534151	6.628094	6.610913	6.508098
CEP250	ENSG00000126001	-0.65675	5.622446	-7.43786	8.17E-07	4.61E-06	5.430652	5.747885	5.671183	5.819438	5.176143	5.379635	5.497281	5.315037	5.276779	5.18386	6.234645	6.279264	6.089887	5.338642	5.395233	5.465657	6.010007	5.969178	5.909012
PLAGL2	ENSG00000126003	-0.81644	6.286575	-12.9748	2.10E-10	5.58E-09	13.91103	6.686388	6.682141	6.633196	5.687824	5.607073	5.741121	6.087259	5.981	5.961941	6.849329	6.765378	6.775442	6.141761	6.097994	6.147181	6.60984	6.539501	6.518688
MMP24OS	ENSG00000126005	0.727911	4.236432	6.512907	4.64E-06	2.04E-05	3.957874	4.772011	4.99613	4.990634	5.380038	5.351085	5.384134	4.666597	4.59002	4.912549	3.206534	3.136872	3.195594	4.106206	4.307781	4.194539	3.595997	3.675254	3.410407
KDM5C	ENSG00000126012	0.059457	7.623321	2.019393	0.059052	0.086362	-5.96731	7.53908	7.546471	7.58581	7.603536	7.656481	7.64816	7.669732	7.611346	7.642269	7.673196	7.607997	7.620585	7.708195	7.64047	7.67274	7.693458	7.603961	7.632246
AMOT	ENSG00000126016	0.722694	-1.19825	2.231888	0.038976	0.059449	-4.00877	3.041689	2.853456	2.883112	3.487804	3.796595	3.722706	2.186178	1.988058	1.918715	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TMEM115	ENSG00000126062	0.026845	5.977906	0.457529	0.652927	0.703772	-7.623	6.129578	6.200392	6.234306	6.095309	6.170911	6.051247	6.127646	5.957035	6.069409	5.800109	5.804708	6.067286	6.075937	6.029757	5.933444	5.791406	5.830372	5.659138
PSMB2	ENSG00000126067	-0.54541	7.257463	-17.8539	1.15E-12	1.26E-10	19.21774	7.770637	7.802033	7.751398	7.250298	7.205225	7.248831	7.65507	7.604506	7.61484	7.265819	7.143179	7.219285	6.638078	6.714052	6.649596	7.095472	7.118886	7.068114
AGO3	ENSG00000126070	-0.11772	4.58153	-1.50648	0.149803	0.19674	-6.38949	4.309146	4.230384	4.43574	3.999198	4.040879	4.121933	4.637058	4.61746	4.313883	5.041104	5.12057	4.892917	4.98725	4.888549	5.028559	5.004933	4.864208	5.070394
UROD	ENSG00000126088	-0.25192	5.807272	-4.89475	0.000127	0.000364	0.267227	6.448119	6.409314	6.361052	5.913065	6.159196	6.081451	6.166932	6.152593	6.273953	5.643993	5.463921	5.51223	5.403118	5.388576	5.395412	5.412514	5.428995	5.411738
ST3GAL3	ENSG00000126091	0.158522	2.379218	1.322286	0.203117	0.25638	-5.89721	3.58303	3.667203	3.698006	3.647423	3.878897	3.907468	3.853933	3.736817	3.796224	1.732907	1.644832	1.780195	1.573426	1.921808	1.900186	1.542275	1.707432	1.416439
TMEM53	ENSG00000126106	0.682724	3.161324	9.089115	4.88E-08	4.35E-07	8.653777	2.744313	2.470453	2.558197	3.408969	3.588725	3.168853	2.480375	2.389238	2.408535	3.681119	3.675424	3.738597	4.260913	4.307781	4.228211	3.711377	3.636099	3.601852
HECTD3	ENSG00000126107	1.086021	5.365672	19.46509	2.73E-13	4.10E-11	20.75432	4.600191	4.724521	4.621585	5.932924	5.842105	5.727543	5.243334	4.883536	5.121883	5.138995	5.157605	5.183964	6.195885	6.115569	6.107668	5.59328	5.564469	5.510546
KLC1	ENSG00000126214	-0.25465	3.420763	-2.35918	0.030184	0.047253	-4.74886	3.397161	3.417081	3.477724	3.103249	3.053471	3.069023	2.696258	2.825515	2.82232	4.01489	4.176619	3.93295	3.92342	3.745389	3.898452	4.222335	4.263465	4.087723
XRCC3	ENSG00000126215	-1.72783	4.864171	-10.2198	8.56E-09	1.04E-07	10.27689	4.785446	4.710662	4.857612	3.840029	4.204846	4.088331	4.744844	4.576102	4.745547	5.991347	5.91264	6.083758	3.946991	4.039723	3.862146	6.078617	6.091458	6.056209
TUBGCP3	ENSG00000126216	-0.56071	5.338801	-9.43993	2.80E-08	2.73E-07	8.994817	5.588399	5.727328	5.64119	5.025739	5.084948	5.006395	5.946849	5.859858	5.934468	5.430762	5.231258	5.399966	4.846454	4.894826	4.842308	5.490603	5.329416	5.494541
MCF2L	ENSG00000126217	-0.58176	2.790933	-3.86955	0.001177	0.002606	-1.53568	3.011517	2.966631	3.013906	1.74141	2.03796	1.840725	2.144798	1.710758	1.620777	3.956418	3.896014	4.116262	3.557503	3.766081	3.65138	4.021281	3.800954	3.881648
PCID2	ENSG00000126226	-0.39294	5.784601	-5.31168	5.24E-05	0.000168	1.171208	6.408146	6.257117	6.351807	5.818626	5.671168	5.781107	6.290661	6.29959	6.319266	5.60265	5.595705	5.63047	5.497128	5.308554	5.39964	5.477239	5.380064	5.534225
LRFN3	ENSG00000126243	0.279705	3.621338	2.849916	0.010857	0.018993	-3.73994	3.719942	3.8803	4.087767	3.977507	3.945887	3.991672	3.747379	3.462004	3.69508	3.255856	3.439177	3.543997	3.830164	3.813238	3.81227	3.724364	3.786722	3.591857
CAPNS1	ENSG00000126247	0.298704	8.743359	4.98709	0.000104	0.000306	0.198106	9.194083	9.131963	9.178069	9.292066	9.314433	9.297149	9.297	9.276865	9.30858	8.082234	8.009497	8.121864	8.562341	8.519332	8.530953	8.062555	8.140125	8.12863
PDCD2L	ENSG00000126249	-0.10542	2.880279	-1.25408	0.226325	0.282223	-6.33886	2.649532	2.90305	2.681399	2.714828	2.490996	2.763128	2.607661	2.540248	2.670735	3.322191	3.431133	3.669344	3.436163	3.401888	3.335521	3.617041	3.503143	3.669942
RBM42	ENSG00000126254	-0.25715	6.392757	-3.48682	0.002729	0.005539	-2.91692	6.704182	6.763828	6.877174	6.274985	6.446246	6.289823	6.384753	6.427182	6.451128	6.279458	6.300393	6.54801	6.291971	6.311289	6.273505	6.416342	6.297477	6.052569
UBA2	ENSG00000126261	-0.35487	7.438369	-10.7484	3.98E-09	5.62E-08	10.77581	7.37325	7.334636	7.328194	6.977285	6.932643	7.039488	7.203457	7.319242	7.391604	7.825119	7.807214	7.802946	7.453518	7.455919	7.487526	7.756059	7.726456	7.833336
COX6B1	ENSG00000126267	-0.03548	7.297598	-0.68084	0.504895	0.566997	-7.62592	7.699083	7.605708	7.645037	7.520658	7.528466	7.449918	7.640257	7.56012	7.587761	7.052105	7.089887	7.077926	7.131748	7.169201	7.14124	6.872994	6.880038	6.878664
THRA	ENSG00000126351	1.065978	4.058487	16.28522	5.28E-12	4.00E-10	17.81452	3.498536	3.298545	3.270929	4.041626	4.310303	4.30129	3.405851	3.491964	3.468658	4.285766	4.029873	4.124247	5.244764	5.188499	5.212843	4.515433	4.428393	4.651565
NR1D1	ENSG00000126368	-0.36538	4.326801	-2.49733	0.022757	0.036775	-4.54327	4.548594	4.527784	4.564038	4.720913	4.789085	4.662649	5.104539	4.949799	5.067277	4.299944	4.335892	4.314216	3.259174	3.622174	3.578659	4.189932	4.362748	4.382594
FRMD8	ENSG00000126391	-0.08486	5.865917	-0.46592	0.647029	0.698737	-7.61611	6.673197	6.64861	6.684422	6.432751	6.659177	6.443905	5.167879	5.103252	5.211591	5.636563	5.639998	5.752683	5.693852	5.706642	5.643753	5.731559	5.589281	5.654343
PRDX5	ENSG00000126432	-0.06722	7.817635	-1.6928	0.108241	0.147855	-6.51954	7.674621	7.618755	7.663837	7.654832	7.749265	7.693564	7.631858	7.62493	7.699696	8.069187	7.984636	8.05321	7.864586	7.894944	7.860056	8.043899	8.044301	8.010733
BCL2L12	ENSG00000126453	-0.99062	4.195002	-15.6054	1.06E-11	6.63E-10	17.11963	4.467563	4.197635	4.275483	3.487804	3.329147	3.292047	4.293266	4.221128	4.011347	4.939108	4.833757	5.049965	4.068019	3.993677	3.979775	4.835732	4.930438	4.836464
IRF3	ENSG00000126456	0.072648	5.545504	1.018625	0.322275	0.385521	-7.17037	5.263039	5.151261	5.234814	5.227586	5.53638	5.471446	4.926746	4.971227	4.962367	5.91203	5.9054	6.003785	5.970627	5.914003	5.945062	6.041481	6.044381	5.928999
PRMT1	ENSG00000126457	-0.3226	7.526835	-5.84548	1.74E-05	6.41E-05	2.081977	7.414909	7.350364	7.41952	6.789321	6.990643	6.935844	7.109791	7.023528	7.198405	8.00031	7.951276	8.002401	7.839618	7.760478	7.784873	8.040333	8.036804	7.986142

RRAS	ENSG00000126458	1.231233	4.493424	10.5557	5.24E-09	7.10E-08	10.87486	4.688657	4.724521	4.55869	5.529135	5.600158	5.474701	5.486326	5.237527	5.404147	3.091698	3.013005	3.085394	4.673561	4.497087	4.642737	4.345124	4.232297	4.007286
PRRG2	ENSG00000126460	0.657353	1.05206	4.572947	0.000253	0.000672	-0.01322	0.587539	0.582935	0.598525	0.52061	0.512209	0.3528	0.782422	0.253663	0.106501	3.560679	3.761343	3.707046	4.17569	4.484656	4.464508	3.630901	3.529023	3.540816
SCAF1	ENSG00000126461	-0.14413	6.927553	-2.3892	0.028399	0.044779	-5.24495	6.676807	6.802456	6.907989	6.508442	6.670775	6.453835	6.799031	6.533639	6.608906	7.154487	7.159703	7.37169	7.193652	7.164013	7.161923	7.306648	7.307644	7.138467
PRR12	ENSG00000126464	-0.03557	5.657738	-0.40966	0.687032	0.735026	-7.63103	4.984965	5.201677	5.37527	5.250376	5.613956	5.37022	5.093706	5.018308	5.146036	6.044242	6.232588	6.348605	6.010325	6.041121	6.052346	6.31589	6.177154	6.118454
ASL	ENSG00000126522	-0.02587	4.000542	-0.2707	0.78979	0.825249	-7.33483	4.239263	3.952741	3.979882	3.955484	3.747367	3.523386	3.941119	4.203129	3.946814	4.19764	4.219284	4.271716	4.359059	4.407733	4.359898	4.171084	4.195062	3.984547
SBDS	ENSG00000126524	-0.30396	6.981409	-7.28243	1.08E-06	5.89E-06	5.012105	7.357594	7.354827	7.355433	7.024325	6.95991	7.033983	7.381008	7.45757	7.501464	6.796141	6.748484	6.888168	6.507043	6.555692	6.60452	6.803558	6.762236	6.790741
STAT5A	ENSG00000126561	-1.21222	1.759424	-4.61416	0.000231	0.00062	0.55101	4.302931	4.406929	4.326715	2.887595	2.835252	2.885561	3.296733	2.916694	3.064594	1.352446	0.941811	1.387696	1.27873	1.357245	1.046067	0.930351	0.975239	1.222783
BECN1	ENSG00000126581	0.194353	6.857013	5.575435	3.03E-05	0.000104	1.56418	6.695905	6.729875	6.713586	6.779953	6.825541	6.838142	6.337326	6.375885	6.478018	7.107567	7.076412	7.118962	7.347253	7.384671	7.364766	6.811947	6.815783	6.860046
TRAP1	ENSG00000126602	-0.75554	7.94162	-12.7389	2.81E-10	6.92E-09	13.51425	8.883842	8.892088	8.947418	7.904419	8.037956	7.916979	8.447732	8.432534	8.431379	7.744476	7.668267	7.765147	7.226286	7.124496	7.193315	7.523233	7.43744	7.490154
GLIS2	ENSG00000126603	0.235064	5.523135	1.119525	0.278066	0.338677	-6.99485	6.26042	6.120531	6.35026	5.711012	5.859584	5.458352	6.01446	5.882654	6.069409	4.619268	4.722812	4.63239	5.784299	5.674166	5.631222	5.105146	5.092525	5.052285
NSRP1	ENSG00000126653	-0.6338	5.531407	-14.1984	4.95E-11	1.94E-09	15.49084	6.249151	6.228223	6.162096	5.591153	5.415531	5.553773	6.000029	6.00976	6.106808	5.435051	5.397356	5.432483	4.831335	4.837324	4.958638	5.353134	5.326959	5.280993
DNAJC8	ENSG00000126698	-0.32315	6.879662	-9.97414	1.23E-08	1.41E-07	9.644414	7.084425	7.066438	7.072729	6.697769	6.677361	6.729256	6.895745	6.847872	6.871895	7.074958	6.970778	7.107428	6.806672	6.758617	6.758955	6.870075	6.905782	6.865242
AHDC1	ENSG00000126705	-0.17753	5.456387	-0.90303	0.378789	0.443384	-7.31712	5.230664	5.144404	5.522611	4.052041	4.030628	3.91707	3.747379	3.619579	3.641718	6.406105	6.642742	6.729728	6.84356	6.804348	6.833513	6.785083	6.685684	6.473133
IFI6	ENSG00000126709	-0.00678	6.581781	-0.04989	0.960774	0.967567	-7.84845	4.232739	4.204245	4.201929	5.097883	5.199191	5.135391	4.723921	4.644388	4.592248	8.412562	8.524254	8.568434	8.116618	8.329067	8.23667	9.006979	8.994717	8.841308
ZNF384	ENSG00000126746	0.3714	5.922548	5.09695	8.23E-05	0.000249	0.655246	5.334855	5.08834	5.183625	5.762655	5.674464	5.660525	5.95585	5.9217	6.028417	6.049846	6.117	6.137016	6.384647	6.390053	6.358497	6.403278	6.339522	6.27344
EMG1	ENSG00000126749	-0.78492	4.898718	-12.3564	4.55E-10	1.00E-08	13.27136	5.570401	5.349122	5.408347	4.448742	4.537243	4.480358	5.093706	5.122533	5.082376	5.200749	5.169742	5.217939	4.489986	4.657043	4.606616	4.905811	4.940116	4.806527
UXT	ENSG00000126756	-0.03012	6.001702	-0.70357	0.49097	0.553629	-7.44423	6.489753	6.559918	6.498653	6.585745	6.474882	6.496091	6.55434	6.526419	6.636447	5.57959	5.502818	5.638854	5.562678	5.460164	5.501506	5.450134	5.478535	5.478356
ELK1	ENSG00000126767	-0.00683	5.868175	-0.06541	0.948588	0.957607	-7.72078	5.646	5.713495	5.771708	6.044055	6.207773	6.0425	5.736627	5.633301	5.748211	6.005835	5.987229	6.105096	5.7445	5.748835	5.711642	6.166884	6.097236	5.975866
TIMM17B	ENSG00000126768	-0.40071	6.389156	-9.4102	2.93E-08	2.84E-07	8.79756	6.657452	6.661876	6.677038	6.283849	6.369019	6.208094	6.570057	6.576214	6.462714	6.596185	6.350301	6.533093	6.103467	6.076066	6.073672	6.371641	6.416643	6.339143
PCNX4	ENSG00000126773	0.178128	5.984034	3.321191	0.003921	0.007648	-3.21376	5.872723	5.865087	5.850403	6.195008	6.051781	6.135919	6.264336	6.377892	6.287046	5.814994	5.911195	5.802049	5.955599	5.996579	5.860167	5.961472	5.972326	5.962353
ATG14	ENSG00000126775	-0.10503	4.415649	-1.45091	0.164516	0.213111	-6.43179	4.527427	4.682536	4.43574	4.375995	4.051057	4.358792	4.302704	4.157125	4.313883	4.696324	4.665681	4.755733	4.601127	4.827513	4.739314	4.37837	4.343431	4.510131
KTN1	ENSG00000126777	0.22296	7.625731	3.655104	0.001886	0.003995	-2.66398	7.814987	7.841255	7.807141	7.855461	7.82091	7.865835	7.708413	7.766475	7.684934	7.406778	7.416553	7.33001	7.802305	7.785186	7.769844	7.240951	7.219665	7.264152
SIX1	ENSG00000126778	-0.69432	4.148427	-8.1469	2.33E-07	1.59E-06	6.88941	3.643304	3.786518	3.845818	3.408969	3.242978	3.26222	3.555458	3.384264	2.798137	5.445717	5.245089	5.419564	4.607058	4.679032	4.677975	5.122419	5.203826	5.091828
DLGAP5	ENSG00000126787	-1.21073	3.895753	-3.72165	0.001629	0.003495	-1.79385	4.393455	4.446492	4.138828	4.263984	4.267295	4.337497	5.015513	5.237527	5.126746	4.242376	4.228596	4.34187	1.878105	1.970168	2.10048	4.052512	4.263465	4.242679
L3HYPDH	ENSG00000126790	0.371867	3.763598	2.854919	0.010742	0.018805	-3.62212	4.620325	4.701347	4.569365	4.790984	4.776871	4.844735	5.183289	5.237527	5.229787	2.620402	2.753956	2.510098	3.339736	3.243672	3.177059	2.855159	2.854728	2.880366
HSPA2	ENSG00000126803	-0.12812	4.185511	-0.8476	0.408117	0.473234	-6.98724	4.569455	4.435299	4.636889	4.839889	5.128856	4.839695	4.437325	4.230044	4.490278	4.212707	4.082178	4.338442	3.575762	3.703092	3.593499	4.01601	3.929587	3.788453
ZBTB1	ENSG00000126804	0.013211	5.422338	0.244435	0.809741	0.841958	-7.61289	5.275788	5.278849	5.325763	5.487537	5.33034	5.445139	5.639419	5.575011	5.584645	5.504036	5.538823	5.459558	5.485908	5.44741	5.326021	5.496293	5.467424	5.554952
TRMT5	ENSG00000126814	-0.27609	5.161658	-3.60893	0.002087	0.004369	-2.50267	5.272612	5.369848	5.197454	4.660937	4.544465	4.869675	4.864381	4.696781	4.819498	5.575711	5.622444	5.545315	5.508262	5.443133	5.54032	5.271431	5.453977	5.414576
SGPP1	ENSG00000126821	0.180719	4.660309	2.410606	0.027187	0.043083	-4.79132	5.023273	5.063109	5.010354	5.26388	5.458224	5.418344	5.213624	5.416115	5.489686	4.119853	4.162112	4.209279	4.131114	4.084346	4.189664	4.332457	4.156841	4.268007
PLEKHG3	ENSG00000126822	-0.03604	5.322554	-0.3583	0.724407	0.769348	-7.59937	4.753899	4.729112	4.763138	5.046722	5.003429	5.055043	4.812472	4.540708	4.694053	5.855556	5.877552	5.816905	5.60478	5.699488	5.694537	6.228573	6.202839	6.140906
RHOT1	ENSG00000126858	0.184337	5.392783	3.84027	0.001255	0.002761	-1.98415	5.658224	5.610278	5.633581	5.974582	5.800478	5.875244	5.740105	5.807211	5.767022	5.099011	5.142905	4.994418	5.244764	5.191052	5.115953	5.004933	5.054421	5.007873
DYNC2I1	ENSG00000126870	0.107857	3.575691	1.226274	0.236361	0.293355	-6.37517	4.620325	4.474101	4.600923	4.612502	4.493129	4.604407	4.235306	4.316298	4.305329	2.790717	2.889287	2.786535	3.004458	3.098942	3.096004	2.924322	3.149837	2.863849
AIF1L	ENSG00000126878	0.317872	4.752478	2.264761	0.036502	0.056066	-5.20643	4.165822	4.256058	4.145977	3.503067	3.670226	3.535905	4.6445	4.428995	4.16108	5.172773	5.157605	5.243822	5.847033	5.77289	5.869343	5.677494	5.703538	5.738293
FAM78A	ENSG00000126882	-0.01476	1.279041	-0.1202	0.905695	0.922469	-6.69325	1.475543	1.780637	1.585853	1.326771	1.666451	1.526279	1.648695	1.231675	1.674905	1.98771	2.074736	1.951531	2.079215	1.970168	2.07955	2.247458	2.146913	2.003758
NUP214	ENSG00000126883	-0.29893	7.024511	-6.82895	2.53E-06	1.22E-05	4.107661	6.860467	6.879841	6.919507	6.536528	6.561094	6.675109	6.671888	6.454066	6.587899	7.590541	7.625727	7.450809	7.324037	7.192955	7.250029	7.361192	7.348792	7.362962
SLC10A3	ENSG00000126903	0.455369	5.886609	5.563329	3.10E-05	0.000106	1.647454	5.32262	5.275715	5.284248	5.904469	6.237045	5.97515	5.570773	5.5324	5.519576	6.087114	5.902494	6.138988	6.383784	6.264792	6.234982	6.277855	6.225439	6.287442
MAP2K2	ENSG00000126934	-0.09753	6.686311	-1.2265	0.236278	0.293299	-7.03111	7.282987	7.347382	7.403949	7.016369	7.266567	7.073161	7.085392	7.128582	7.203017	6.005835	6.033125	6.272512	6.162044	6.095271	6.195402	6.483766	6.356484	6.219283
HNRNPH2	ENSG00000126945	0.041178	7.070025	0.96523	0.347596	0.411896	-7.36246	7.534446	7.606956	7.476633	7.599991	7.468025	7.540454	7.440999	7.531556	7.453882	6.690684	6.668631	6.697312	6.747498	6.770613	6.7923	6.457757	6.48545	6.506769
TIMM8A	ENSG00000126953	-0.31837	4.838297	-5.80064	1.91E-05	6.91E-05	2.299137	4.846543	5.041126	4.813395	4.440838	4.635214	4.531264	4.384974	4.526303	4.505294	5.378276	5.242793	5.318796	5.102982	5.087991	4.926766	5.102661	5.072132	5.073988
ZC4H2	ENSG00000126970	0.456697	1.347152	2.673306	0.015778	0.026494	-3.45764	2.850396	2.513665	2.794903	3.020814	3.093416	3.27721	2.340763	2.676938	2.77354	1.028404	1.112482	0.993481	1.186687	1.203912	1.355599	0.686723	1.16325	1.170016
CANX	ENSG00000127022	0.271667	10.40333	3.816384	0.001323	0.002895	-2.4677	10.4801	10.51837	10.47458	11.08134	10.96702	11.05417	11.12712	11.11551	11.10405	9.810307	9.787604	9.780614	9.77675	9.801877	9.781303	10.16401	10.2061	10.25043
INTS11	ENSG00000127054	0.179732	6.41746	4.997223	0.000102	0.000301	0.368448	5.770583	5.765816	5.867803	5.958063	6.076905	6.108942	5.952856	5.929932	5.986227	6.845307	6.8695	6.901587	7.049756	6.970316	6.988917	6.93924	6.964652	6.899072
IPPK	ENSG00000127080	-0.45264	6.299398	-9.57267	2.28E-08	2.31E-07	9.070327	6.601581	6.638885	6.544007	6.05186	6.099149	6.133861	6.55434	6.549752	6.519286	6.412644	6.404716	6.468703	6.028115	6.013985	6.027972	6.353992	6.216176	6.113222
ZNF484	ENSG00000127081	0.374335	2.890501	3.606806	0.002097	0.004387	-2.02265	2.649532	2.448351	2.248556	3.162124	2.549605	2.581827	2.779728	3.178579	2.616448	3.303547	3.398501	3.210672	3.53901	3.637228	3.747398	3.545669	3.503143	3.509302
FGD3	ENSG00000127084	0.658982	1.963453	3.573129	0.002258	0.004676	-2.2237	1.755904	1.508929	1.818408	0.52061	1.087782	0.909432	0.983587	0.915275	0.735084	3.798946	3.854512	3.946523	4.785003	4.749998	4.67449	3.011667	3.32748	3.065099
HIVEP3	ENSG00000127124	0.125299	2.127836	0.85908	0.401926	0.46724	-6.69509	2.080492	2.232543	2.194417	1.840866	2.03796	2.064596	1.588238	1.231675	0.925731	3.134522	3.21391	3.052298	3.296351	3.141796	3.571181	3.022222	3.127424	3.093712
PPCS	ENSG00000127125	0.163899	5.623585	2.240728	0.038296	0.05855	-5.3315	6.05942	6.187107	6.229267	6.059623	6.104046	6.083584	5.882222	5.882654	6.015365	5.071726	5.064472	5.241989	5.530276	5.524325	5.530714	5.085149	5.080907	5.157678
EDN2	ENSG00000127129	0.654342	0.604219	2.622963	0.017533	0.029118	-3.53809	1.959273	1.465573	1.921989	1.791994	1.612488	1.526279	0.782422	1.15884	1.0941	0.834246	1.190799	1.027938	1.755315	1.846087	1.900186	1.017342	1.072305	1.058313
COX7C	ENSG00000127184	-0.0255	8.01689	-0.80708	0.430467	0.495406	-7.58306	8.400925	8.419172	8.30311	8.351778	8.316343	8.324859	8.249102	8.294852	8.350019	7.754378	7.755003	7.703863	7.682096	7.735339	7.773107	7.649453	7.627111	7.71975
TRAF2	ENSG00000127191	-0.27968	5.863478	-5.9508	1.41E-05	5.36E-05	2.492466	6.102997	6.021093	6.067376	5.944151	5.902377	5.794193	6.205178	6.073067	6.106808	5.849142	5.779586	5.920264	5.509846	5.479087	5.521044	5.914083	5.991068	5.824043
ABHD8	ENSG00000127220	0.52898	1.483386	2.941183	0.008932	0.015957	-3.04029	1.791852	1.670392	1.954926	1.578054	2.429905	1.669505	2.01302	1.988058	2.202855	1.52331	1.644832	1.839597	2.300295	2.269709	2.23906	2.192442	1.82352	1.910335
PLAAT1	ENSG00000127252	-0.62544	1.031259	-4.21337	0.000553	0.001342	-0.271	2.137484	2.152784	2.138168	1.393812	1.612488	1.575618	1.459147	1.549165	1.727075	1.586365	1.498542	1.73919	1.392977	1.203912	1.456457	1.65509	1.613793	1.504318
HELB	ENSG00000127311	0.00802	2.569592	0.057218	0.95502	0.962794	-6.94528	3.142584	2.966631	3.133821	2.791417	2.762786	2.924168	3.027514	3.302095	2.937508	2.790717	2.453955	2.671369	3.091636	2.671787	2.716753	2.417026	2.410923	2.302316
RAP1B	ENSG00000127314	0.068758	6.434023	1.884757	0.076203	0.108341	-6.06078	6.864692	6.772749	6.786305	6.820115	6.821087	6.884153	6.923538	6.980588	6.941169	5.955969	5.929869	6.019924	6.054396	6.142196	6.017005	6.064643	6.047368	6.109724
TSPAN8	ENSG00000127324	0.930915	3.763611	4.571241	0.000254	0.000674	0.089114	4.615318	4.564207	4.595711	5.935739	5.791399	5.865358	5.233498	5.25073	5.067277	2.749986	2.865607	2.745712	2.626498	2.627242	2.647333	2.494877	2.48331	2.397196
RAB3IP	ENSG00000127328	0.11009	3.617988	0.927539	0.366279	0.431221	-6.89292	3.487617	3.505362	3.565652	3.041869	2.85862	2.980206	3.158032	3.462004	3.289427	3.938405	4.200477	4.124247	4.460809	4.367677	4.543056	4.171084	4.140146	4.073428
PTPRB	ENSG00000127329	0.382958	2.535737	2.509311	0.022201	0.035976	-4.18498	2.165157	2.448351	2.248556	3.162124	3.188693	3.231764	2.303642	2.481727	2.643847	2.990428	3.126946	2.724859	2.83289	2.997596	2.95373	2.819293	2.947209	2.760563
DYRK2	ENSG00000127334	0.031131	5.506414	0.571986	0.574615	0.633259	-7.53297	4.941618	5.007511	4.866295	4.803367	4.770725	4.874612	5.038289	5.043815	4.866774	6.195997	6.18435	6.080684	6.209593	6.281656	6.270045	6.21138	6.098677	6.010044
YEATS4	ENSG00000127337	-0.19905	4.155022	-4.05397	0.000785	0.001828	-1.27493	4.399293	4.249682	4.242513	4.190466	4.009905	4.113606	4.384974	4.459641	4.467457	4.217694	4.219284	4.213027	3.988472	4.073319	4.040604	4.349322	4.268595	4.376785
LRRC61	ENSG00000127399	-0.0942	-0.09055	-1.15051	0.26543	0.325262	-6.5598	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.285766	4.045764	4.466439	4.215053	4.10073	4.155068	4.142342	4.005291	4.022248
IDUA	ENSG00000127415	0.868647	4.250408	13.84635	7.42E-11	2.67E-09	15.16219	4.073915	4.136747	4.453135	5.020445	4.960875	4.879531	4.090259	3.956862	4.032233	3.997596	3.913441	4.012537	4.941045	4.879081	4.801349	3.917673	3.88352	3.992166
FGFRL1	ENSG00000127418	0.440319	6.708979	4.514658	0.000287	0.000751	-0.69432	6.587588	6.661876	6.672095	7.294828	7.51198	7.339101	6.730755	6.547971	6.758969	6.33674	6.488498	6.609028	6.677361	6.56851	6.672491	6.635848	6.528851	6.400554
TMEM175	ENSG00000127419	0.653244	4.364914	7.722463	4.90E-07	2.97E-06	6.129138	3.572735	3.657602	3.717332	4.701197	4.580048	4.524999	3.928981	4.030158	4.063004	4.58494	4.706242	4.750584	5.254243	5.034983	5.128745	4.697684	4.555551	4.428245
AUNIP	ENSG00000127423	-1.91363	3.291171	-11.4678	1.46E-09	2.53E-08	12.24877	4.014302	3.786518	3.863273	2.740812	2.787348	2.719893	3.457463	3.711575	3.271973	4.323269	4.171799	4.220495	2.24051	2.269709	2.200805	4.293774	4.11758	4.087723
PIN1	ENSG00000127445	0.475847	4.916275	8.207702	2.10E-07	1.46E-06	6.969685	4.855064	4.804995	5.002498	5.510375	5.462043	5.320436	5.42715	5.132077	5.330179	4.447347	4.498689	4.578198	4.905394	4.901075	4.885155	4.777733	4.729324	4.82371
FBXL12	ENSG00000127452	-0.01817	4.04083	-0.22784	0.822412	0.852767	-7.36594	4.363907	4.065935	4.268949	4.132759	4.240862	3.858473	3.814892	3.659726	3.924645	4.252132	4.097507	4.389024	4.334248	4.385617	4.265755	4.156784	4.07722	4.044405
EMC1	ENSG00000127463	-0.45727	7.486985	-9.06264	5.09E-08	4.50E-07	8.134454	7.76782	7.757788	7.740813	7.473009	7.422688	7.488267	7.619638	7.588995	7.610506	7.672742	7.631004	7.586313	7.063839	7.017102	7.007043	7.489398	7.451605	7.528649
UBR4	ENSG00000127481	-0.50435	7.757156	-5.29406	5.43E-05	0.000174	0.909005	7.952856	8.008245	8.226779	7.224056	7.360615	7.717116	7.830065	7.648398	7.7929	8.06435	8.324599	7.721076	7.640777	7.593004	7.673176	7.669736	7.599896	7.707074
HP1BP3	ENSG00000127483	0.385095	7.251128	8.25165	1.95E-07	1.37E-06	6.762621	7.191752	7.243723	7.186308	7.681071	7.624461	7.63876	7.659668	7.686953	7.6482	6.849329	6.890186	6.828331	7.17381	7.13514	7.23058	7.01914	6.963861	7.049063
SIN3B	ENSG00000127511	0.077324	5.748075	1.458618	0.162407	0.210767	-6.62073	5.934331	5.987002	6.160332	6.164136	6.168576	6.029279	6.135589	5.954347	6.081983	5.391578	5.467858	5.489229	5.585386	5.368419	5.574382	5.562876	5.471879	5.445432
SLC35E1	ENSG00000127526	0.140019	6.401681	4.223902	0.000541	0.001316	-1.30609	6.199831	6.304024	6.290225	6.448604	6.424879	6.347775	6.470991	6.440687	6.340354	6.398438	6.384029	6.407042	6.530636	6.508375	6.557045	6.506498	6.507314	6.479923
EPS15L1	ENSG00000127527	-0.21615	4.936618	-4.84241	0.000142	0.000401	0.279908	5.071598	5.03743	5.16615	4.790984	4.795153	4.777799	5.08826	5.174263	5.087374	4.963066	4.953722	4.992239	4.841432	4.753456	4.894173	5.124869	5.08382	5.130317
KLF2	ENSG00000127528	0.72537	2.177853	3.335878	0.003797	0.007432	-2.29584	3.262728	3.439663	3.597291	3.647423	3.945887	3.722706	3.137083	2.481727	3.162566	1.457372	1.112482	1.514616	2.25569	2.451029	2.433049	1.734264	1.547811	1.115245
UQCR11	ENSG00000127540	0.267032	3.183452	2.433899	0.025924	0.041356	-4.37585	3.756787	3.568199	3.55495	4.052041	3.978251	4.202668	4.057185	3.988732	3.759121	2.635389	3.023743	2.845681	2.781373	2.938056	2.756856	2.843302	2.726388	2.863849
GFER	ENSG00000127554	-0.0412	5.247461	-0.74872	0.463982	0.527625	-7.29428	5.598583	5.39028	5.538996	5.506594	5.60362	5.506852	5.628203	5.75257	5.79784	5.079966	4.893523	5.052059	4.871306	4.922739	4.914999	5.100173	4.993761	5.019105
SYNGR3	ENSG00000127561	0.558679	4.457425	3.188353	0.005237	0.009914	-3.38145	3.27548	3.57841	3.533304	4.591236	4.825118	4.777799	2.724622	2.357042	2.723053	5.387157	5.372368	5.453233	5.807663	5.715534	5.620394	5.501961	5.396559	5.296461
PKMYT1	ENSG00000127564	-1.84099	4.591748	-7.29333	1.06E-06	5.79E-06	5.425675	4.798758	4.925889	5.116065	4.245952	4.580048	4.036412	5.032629	4.944392	4.764393	5.335326	5.342658	5.63047	2.892375	3.203781	2.918805	5.513229	5.504857	5.220652
WDR24	ENSG00000127580	0.432623	4.068156	4.809232	0.000152	0.000428	0.319065	3.562366	3.516026	3.819232	3.999198	4.318753	3.964146	3.571163	3.672864	3.90213	4.323269	4.340194	4.500578	4.769223	4.820936	4.749288	4.563199	4.477953	3.976887
FBXL16	ENSG00000127585	1.142109	2.238758	6.610319	3.84E-06	1.74E-05	4.300722	1.681202	1.780637	1.78216	2.103714	1.373859	1.422231	1.70672	1.301009	1.445026	2.736149	3.002186	3.269454	4.31626	4.288839	4.329194	3.685048	3.404065	3.328509
CHTF18	ENSG00000127586	-1.04837	3.930418	-15.8522	8.23E-12	5.53E-10	17.37567	4.239263	4.17089	4.188143	3.273122	3.34578	3.051692	4.164604	3.935218	4.011347	4.645413	4.696209	4.753161	3.703037	3.772912	3.679472	4.236002	4.40994	4.274271
MACF1	ENSG00000127603	-0.08289	7.03429	-1.12192	0.277072	0.337583	-7.22785	6.820781	6.870522	6.956572	6.603556	6.627218	7.013987	6.593315	6.493476	6.496923	7.449803	7.766637	7.257448	7.424847	7.398542	7.499395	7.19679	7.188879	7.16904
SMARCA4	ENSG00000127616	0.151637	7.326848	3.594889	0.002152	0.00449	-2.77786	7.016734	7.023171	7.160948	7.064746	7.164786	7.143359	7.278316	7.123806	7.292296	7.374763	7.402736	7.3925	7.657661	7.582834	7.605239	7.654551	7.552315	7.561029
KDM4B	ENSG00000127663	0.137775	5.066852	1.818393	0.086184	0.120889	-5.98948	5.200891	5.091908	5.183625	5.025739	5.221894	4.983728	5.167879	5.063901	5.207006	4.826087	5.06707	5.022459	5.331496	5.201218	5.267074	5.105146	5.163088	4.865793
TICAM1	ENSG00000127666	-0.35971	4.971704	-3.97239	0.000939	0.002143	-1.63906	5.549554	5.369848	5.533555	4.694564	5.039662	4.839695	5.213624	4.819999	4.934903	4.908591	4.967692	5.131452	4.898157	4.894826	4.839198	4.900099	4.930438	4.878182
METTL25	ENSG00000127720	1.065174	2.588074	7.325303	1.00E-06	5.50E-06	5.807291	2.568952	3.142112	3.176339	3.966538	3.978251	3.907468	3.602068	3.672864	3.733845	1.787595	1.827525	1.915176	2.602951	2.770668	2.497588	2.35157	1.795362	2.119598
EMC6	ENSG00000127774	-0.20082	4.908417	-2.9678	0.008436	0.015156	-3.75097	5.631194	5.706529	5.557879	5.420792	5.383668	5.451761	5.203583	5.416115	5.300358	4.421642	4.555295	4.671058	4.427684	4.274468	4.448272	4.609434	4.469068	4.341429
METTL16	ENSG00000127804	-0.10685	5.67832	-1.94869	0.06757	0.097409	-5.85165	6.086809	6.22335	6.130008	5.996317	5.812494	5.965928	5.982519	6.087856	5.972785	5.362601	5.417853	5.27464	5.370368	5.296751	5.40175	5.420516	5.460717	5.481066
TUBA4A	ENSG00000127824	-0.7426	6.7236	-3.85333	0.00122	0.002693	-2.12188	7.890498	7.860735	7.833395	7.233238	7.308536	7.19952	6.783948	6.793275	6.863179	6.379648	6.351367	6.448176	5.588386	5.577973	5.455539	6.669811	6.595687	6.479923
VIL1	ENSG00000127831	1.705038	-0.02342	4.030609	0.000826	0.001912	-0.64156	0.106501	0.215206	0.323815	1.791994	1.996426	1.575618	0.415731	0.387194	0.39151	1.352446	1.529011	1.877881	2.178139	2.127698	2.07955	1.419885	1.737342	1.416439
AAMP	ENSG00000127837	-0.3005	7.424811	-3.96606	0.000952	0.002168	-1.97947	7.355344	7.420158	7.429807	6.691121	6.843221	6.789308	6.950806	7.004168	6.97662	7.866989	7.805659	7.868585	7.843705	7.78814	7.772699	7.854219	7.765987	7.782612
PNKD	ENSG00000127838	-0.05709	6.422483	-1.41016	0.176041	0.226214	-6.79053	6.918529	6.922552	6.871794	6.746677	6.917424	6.897554	6.516313	6.513697	6.643251	6.322921	6.198636	6.323684	6.244253	6.192746	6.213527	5.812844	5.830372	5.84102
TNFRSF19	ENSG00000127863	1.006036	0.717528	4.674282	0.000203	0.000552	0.811068	5.572986	5.694843	5.65879	6.715895	6.58581	6.693385	7.129812	7.108174	7.127389	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RNF6	ENSG00000127870	-0.22881	6.09642	-5.57733	3.02E-05	0.000103	1.688604	6.617945	6.562493	6.545359	6.342299	6.270099	6.267477	6.552364	6.546187	6.526664	5.874627	5.901039	5.835262	5.707717	5.652103	5.730227	5.742772	5.690219	5.774091
ECHS1	ENSG00000127884	-0.03192	6.787099	-0.81206	0.42768	0.492676	-7.46352	7.371767	7.374006	7.3761	7.273847	7.257805	7.229694	7.222228	7.349217	7.311645	6.211081	6.232588	6.294791	6.330118	6.282853	6.314389	6.351901	6.328511	6.313524
ZNF835	ENSG00000127903	-0.28952	-1.07142	-2.67993	0.01556	0.026177	-3.59619	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.574485	2.42184	2.435052	2.079215	2.23054	2.161508	2.77004	2.585506	2.59029
AKAP9	ENSG00000127914	0.256358	5.952893	3.028499	0.007403	0.01351	-3.85446	5.691909	5.801125	5.810467	6.025677	5.847955	6.1624	5.853613	5.996758	5.892253	5.978182	6.315766	5.911063	6.283664	6.364273	6.298627	5.785222	5.703538	5.864042
GNG11	ENSG00000127920	0.220638	2.248197	0.594451	0.559828	0.619311	-6.16483	6.893931	6.902371	6.884673	7.182	7.133995	7.182701	7.433501	7.430752	7.482619	0.54782	0.462741	0.397516	0.234608	0.106501	0.335616	0.257084	0.19538	0.214669
SEM1	ENSG00000127922	-0.13267	6.560897	-2.1007	0.050462	0.075025	-5.72614	6.875203	6.898301	6.856623	6.525359	6.506663	6.564898	6.640598	6.7017	6.808235	6.423477	6.521073	6.476521	6.47983	6.548742	6.559881	6.389076	6.302487	6.302841
GNGT1	ENSG00000127928	0.090642	-1.47158	0.221411	0.827339	0.857003	-6.13043	1.719036	1.551021	1.54317	1.888135	1.817192	1.993763	1.867984	2.108984	2.274723	0.106501	0.185134	0.34382	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
HIP1	ENSG00000127946	0.597871	3.965132	4.270745	0.000488	0.001201	-0.70862	4.044416	3.7953	3.922756	4.851861	4.917027	4.879531	4.487843	4.459641	4.380548	3.340597	3.562131	3.426222	3.587808	3.68147	3.608189	4.156784	4.023613	4.014786
PTPN12	ENSG00000127947	-0.20323	6.726292	-2.76251	0.013072	0.022422	-4.45148	7.500903	7.535375	7.516482	7.073718	7.052746	7.072087	7.296144	7.355342	7.31591	6.085751	6.115745	6.085804	6.175078	6.093908	6.220714	6.24331	6.242485	6.365783
POR	ENSG00000127948	0.509998	7.318917	5.460408	3.84E-05	0.000128	1.281172	6.471859	6.46679	6.502835	6.820115	6.990643	6.865676	7.005289	6.889266	7.000662	7.628019	7.701668	7.805121	8.346691	8.245577	8.262436	7.690152	7.675226	7.554611
STYXL1	ENSG00000127952	-0.79431	4.925691	-4.87891	0.000131	0.000375	0.364768	5.590951	5.564777	5.449376	3.988393	3.796595	4.027574	4.864381	5.018308	5.072328	5.104407	5.186564	5.260219	4.898157	5.02357	4.85468	5.36976	5.25383	5.271631
STEAP4	ENSG00000127954	1.173627	0.549508	8.863002	7.03E-08	5.91E-07	8.308486	0.106501	0.316291	0.421314	0.258133	0.512209	0.563119	0.106501	0.253663	0.106501	3.681119	3.539861	3.519989	4.604095	4.671739	4.772296	3.254827	3.636099	3.254409
GNAI1	ENSG00000127955	1.168656	4.678536	10.21017	8.68E-09	1.05E-07	10.36831	5.531062	5.617724	5.592306	6.97455	6.977361	6.898766	5.922569	5.876989	5.872122	3.123934	3.269103	3.373604	3.778549	3.819851	3.849837	3.171932	3.204393	2.960231
PMS2P3	ENSG00000127957	-0.10163	2.301224	-0.81343	0.426915	0.492033	-6.58382	2.649532	2.61635	3.044832	2.766336	2.429905	2.402038	2.058296	2.728183	2.376228	2.409929	2.829342	2.7037	2.649667	2.642244	2.716753	2.448672	2.447571	2.507643
PEX1	ENSG00000127980	0.14579	4.935399	2.595781	0.018556	0.030607	-4.54404	5.125418	5.204977	5.325763	5.333837	5.212855	5.2875	5.257962	5.174263	4.989319	4.77625	4.752166	4.623968	4.856446	4.988782	4.932613	4.63373	4.613145	4.627304
MTERF1	ENSG00000127989	-0.26706	4.558255	-2.50688	0.022313	0.036135	-4.6285	5.042051	4.804995	4.929803	4.3081	4.327153	4.407292	4.926746	5.098392	4.889843	4.652797	4.529155	4.395637	4.502766	4.513497	4.480563	4.398766	4.318914	4.656368
SGCE	ENSG00000127990	1.137316	3.331288	16.78562	3.21E-12	2.74E-10	18.30004	1.12723	1.420874	1.028027	2.21912	1.817192	2.22781	1.648695	1.605065	1.171446	5.079966	5.113047	5.10547	6.177072	6.165747	6.242063	5.962842	6.05035	5.940859
RBM48	ENSG00000127993	-0.72461	3.887685	-8.7807	8.05E-08	6.60E-07	8.083761	4.265068	4.287521	4.294909	3.487804	3.151334	3.391835	3.916741	3.550079	3.641718	4.485065	4.672521	4.589777	3.932895	4.127629	4.067427	3.934535	4.07722	3.930053
CASD1	ENSG00000127995	-0.30991	4.528155	-4.90605	0.000124	0.000356	0.470954	4.538049	4.864623	4.781616	4.569652	4.507984	4.592471	4.536652	4.504423	4.288067	4.880563	4.908086	4.925267	4.53734	4.51757	4.496442	4.32395	4.40994	4.472495
ZNF780B	ENSG00000128000	1.081458	3.298655	12.4581	4.00E-10	9.04E-09	13.52544	2.780548	2.802095	2.661582	3.273122	3.410458	3.678224	3.296733	3.285084	3.236418	3.134522	3.356645	3.043904	4.238165	4.255082	4.346819	3.793775	3.842828	3.68882
LRFN1	ENSG00000128011	0.964913	1.895761	4.020194	0.000845	0.001951	-0.83332	1.475543	2.09705	2.018628	3.181227	3.278066	3.086148	1.867984	2.029503	2.408535	1.732907	1.922393	2.055402	2.193986	2.307842	2.276326	2.692858	2.274787	1.973284
ZFP36	ENSG00000128016	-0.18313	5.295314	-1.84027	0.082773	0.116553	-5.97933	5.734094	5.965765	6.021469	5.277258	5.600158	5.35617	5.65424	5.404348	5.497217	5.021274	5.014203	5.216073	5.26366	5.170503	5.158989	4.953468	4.84029	4.86164
SRD5A3	ENSG00000128039	-0.12272	4.594264	-2.36343	0.029925	0.046899	-4.99108	4.538049	4.377991	4.418131	4.254996	4.213935	4.460795	4.057185	4.019913	4.112876	5.09088	5.172157	5.236474	4.973543	5.107039	5.105638	4.934035	4.952919	4.802199
RASL11B	ENSG00000128045	-0.60673	-0.5903	-1.88558	0.076086	0.108186	-4.75375	0.216396	0.661886	0.679585	0.258133	0.625525	0.106501	0.548589	0.387194	0.515351	1.646779	1.335727	1.46518	1.365252	1.032323	1.247156	1.65509	1.513652	1.370407
PAICS	ENSG00000128050	-0.75141	8.219607	-12.7786	2.67E-10	6.67E-09	13.53604	8.561825	8.53512	8.481127	7.820097	7.851079	7.894067	8.091281	8.128396	8.035888	8.637176	8.598185	8.60152	7.797451	7.794448	7.804139	8.471172	8.448292	8.493901
KDR	ENSG00000128052	-1.1318	-0.48903	-4.30181	0.000456	0.001129	-0.34885	0.106501	0.106501	0.106501	0.106501	0.25478	0.3528	0.106501	0.253663	0.106501	3.831846	4.092415	3.794706	2.661114	2.627242	2.559363	2.400938	2.315011	1.942153
PPAT	ENSG00000128059	-0.60212	6.012795	-7.54007	6.79E-07	3.94E-06	5.561883	5.768329	5.734195	5.750758	5.491368	5.57216	5.441817	5.452809	5.503276	5.404147	6.908359	6.808709	6.804926	6.054396	6.0552	6.045617	6.576208	6.582359	6.714488
TUBGCP6	ENSG00000128159	0.434027	4.470896	5.155853	7.27E-05	0.000223	1.024726	4.25866	4.533044	4.795321	4.851861	4.883243	4.899045	4.56045	4.316298	4.534865	4.368817	4.45175	4.335006	4.848959	4.784213	4.891173	3.923315	4.156841	4.292899
ADM2	ENSG00000128165	-0.02541	4.424113	-0.07167	0.94368	0.953837	-7.37118	5.482394	5.407565	5.503257	4.384261	4.267295	4.407292	5.555064	5.352217	5.526952	3.394446	3.398501	3.555853	4.863895	4.645922	4.684921	3.447271	3.743163	3.455199
DGCR6L	ENSG00000128185	0.114424	4.695108	1.71022	0.104917	0.143713	-6.09701	4.640181	4.452056	4.711067	4.667726	4.960875	4.668345	4.889651	4.504423	4.640652	4.793054	4.755391	4.890578	4.873768	4.934974	4.863891	4.838721	4.815969	4.632189
DGCR8	ENSG00000128191	-0.14121	5.626103	-2.49383	0.022922	0.037015	-4.88397	5.364998	5.331118	5.214556	5.371747	5.355198	5.320436	5.490461	5.439365	5.577558	5.871466	5.95393	5.983079	5.768511	5.685073	5.602165	6.145318	6.185314	6.159635
SDF2L1	ENSG00000128228	0.680649	4.500152	3.482129	0.002757	0.005589	-2.5817	3.765853	3.991467	4.145977	5.367584	5.454395	5.080903	4.673889	4.677356	4.713579	3.956418	4.256177	4.331562	4.437701	4.321825	4.25646	5.102661	5.054421	4.641909
YWHAH	ENSG00000128245	-0.39981	7.022366	-5.45887	3.85E-05	0.000128	1.324959	7.485208	7.573525	7.564626	7.011041	7.048942	6.976593	7.013934	6.975295	7.101684	6.973201	6.888718	6.990539	6.706655	6.688987	6.64782	7.027023	6.972532	6.965411
GNAZ	ENSG00000128266	1.058759	-0.96064	2.638341	0.016978	0.028299	-3.25093	2.27083	2.425906	2.194417	3.376187	3.31232	3.292047	1.816207	1.605065	1.962896	0.190076	0.185134	0.106501	0.171976	0.26996	0.106501	0.106501	0.106501	0.214669
ATF4	ENSG00000128272	0.13057	8.821048	0.825029	0.420473	0.485631	-7.60264	9.829125	9.806609	9.818943	9.524387	9.515036	9.545836	9.934286	9.888354	9.945116	7.781577	7.782531	7.76738	8.380841	8.376376	8.392761	7.499349	7.551263	7.513506
A4GALT	ENSG00000128274	0.916375	3.871669	6.786508	2.74E-06	1.30E-05	4.554435	4.131163	4.150501	4.065319	5.320976	5.49969	5.227023	4.339849	4.436718	4.428601	3.322191	3.406729	3.353367	3.735884	3.813238	3.629946	3.171932	2.784842	2.912845
CDC42EP1	ENSG00000128283	-0.31879	6.377213	-6.36101	6.23E-06	2.63E-05	3.241073	5.903856	5.918315	5.990033	5.502803	5.681033	5.556848	6.15656	5.899518	6.049058	6.974675	6.84549	7.089698	6.759528	6.644979	6.645152	7.182156	7.220327	7.116848
APOL3	ENSG00000128284	0.287814	3.100243	2.689758	0.015241	0.025693	-4.1335	2.438959	2.308123	2.300736	1.578054	1.909591	2.098749	2.340763	2.511284	2.087859	4.060019	4.077032	4.16352	4.540442	4.509412	4.535391	4.723786	4.83684	4.857474
TPST2	ENSG00000128294	0.592054	2.576736	5.314799	5.20E-05	0.000167	1.80582	2.707144	2.674627	2.492412	3.376187	3.362223	3.27721	3.072345	2.894433	2.616448	2.409929	2.453955	2.460504	2.717023	2.729118	2.942182	2.855159	2.827179	2.760563
MPST	ENSG00000128309	1.13953	3.84599	11.70394	1.07E-09	2.00E-08	12.53294	3.827767	3.872022	3.889066	4.815644	5.133653	4.622128	4.225415	4.357565	4.103038	2.894025	3.044983	3.052298	4.245787	4.089828	4.056758	3.743628	3.735773	3.487904
TST	ENSG00000128311	0.624888	4.145445	6.931039	2.08E-06	1.03E-05	4.768266	4.42241	4.366251	4.441562	5.195063	5.33034	5.118843	4.411387	4.61746	4.3476	3.614613	3.562131	3.71764	4.147483	3.946112	3.892464	3.651445	3.72088	3.698167
APOL2	ENSG00000128335	0.011472	4.871275	0.130236	0.897867	0.916657	-7.56006	4.803168	4.756352	4.701394	4.88719	4.831037	5.055043	4.496094	4.644388	4.388669	5.015558	5.133021	5.089246	4.957386	5.029288	5.023089	5.231053	5.219805	5.335919
RAC2	ENSG00000128340	-0.60621	3.013576	-3.18312	0.005297	0.010012	-3.17791	2.833249	2.425906	2.399755	0.635873	0.512209	0.746642	2.186178	1.988058	1.314712	5.172773	5.179378	5.467426	4.92689	4.913495	4.944238	5.394346	5.331868	5.356727

LIF	ENSG00000128342	-1.04871	7.609155	-29.7547	2.03E-16	4.95E-13	27.92689	8.844	8.70086	8.761236	7.768928	7.713665	7.732833	8.400167	8.310698	8.359347	7.493638	7.359946	7.434847	6.417921	6.331098	6.369317	7.014522	7.063885	7.04815
APOBEC3F	ENSG00000128394	0.237574	1.344029	1.676815	0.111372	0.151506	-5.46386	1.336422	1.374745	1.202741	1.978268	1.437317	1.475193	1.160105	0.824004	1.445026	2.30136	2.590228	2.447834	2.694919	2.517623	2.465679	2.300453	2.447571	1.973284
RIBC2	ENSG00000128408	-1.54506	1.655367	-6.89491	2.23E-06	1.09E-05	5.058684	2.27083	2.206444	2.109199	2.063099	1.307481	1.422231	1.867984	1.710758	1.445026	2.693825	3.106888	2.766268	1.420179	1.428204	1.456457	2.855159	2.841019	2.944608
KRT17	ENSG00000128422	0.860132	2.687404	5.697807	2.35E-05	8.30E-05	2.245796	0.667115	0.410755	0.512639	1.888135	2.078331	2.402038	1.240874	1.15884	1.0941	4.759247	4.5846	4.862213	5.485908	5.458046	5.292308	5.361471	5.471879	5.377239
EMC4	ENSG00000128463	-0.27451	6.779026	-6.21113	8.37E-06	3.41E-05	2.911899	7.198464	7.236486	7.165352	6.800173	6.863577	6.79192	6.887928	7.009356	6.90341	6.802794	6.704946	6.761431	6.591726	6.587042	6.571171	6.513997	6.432727	6.447035
SPECC1	ENSG00000128487	0.389315	1.665912	1.613931	0.12445	0.167442	-5.09551	5.618738	5.617724	5.631035	6.064776	6.044157	6.064269	5.61311	5.626565	5.559688	0.34397	0.398185	0.397516	0.171976	0.26996	0.335616	0.257084	0.358227	0.315289
CPA4	ENSG00000128510	-2.18149	4.235202	-5.98432	1.32E-05	5.05E-05	3.131075	7.576273	7.508924	7.593021	5.004446	5.07001	5.068031	7.514926	7.363468	7.492072	1.787595	1.945166	2.183199	2.24051	2.127698	2.365487	2.432936	2.146913	2.442395
DOCK4	ENSG00000128512	0.491832	4.673661	2.553538	0.020259	0.033148	-4.42365	5.449012	5.387379	5.390399	6.245795	6.214581	6.445565	6.172091	6.119389	6.19743	3.901688	3.830249	3.613714	3.332595	3.282491	3.437743	3.538334	3.620134	3.398988
POT1	ENSG00000128513	0.012143	4.796807	0.142174	0.888568	0.908664	-7.49237	5.096964	5.130591	5.010354	4.898777	4.877535	4.819357	5.310366	5.21525	5.274297	4.521821	4.463628	4.643544	4.771865	4.704269	4.759194	4.522885	4.530146	4.75819
ATP6V1F	ENSG00000128524	-0.16711	6.435787	-4.3511	0.00041	0.001026	-1.01481	6.932687	6.934526	6.947395	6.657412	6.701793	6.726528	6.711398	6.603916	6.776094	6.18458	6.213955	6.22318	6.112876	6.126279	6.112827	6.116053	6.073983	6.006286
LSM8	ENSG00000128534	-0.11156	4.816018	-1.7991	0.089292	0.124722	-5.94331	5.153322	5.123634	4.962565	4.881362	4.860273	4.997371	5.060712	5.276779	5.313214	4.619268	4.793538	4.64632	4.647902	4.581228	4.628397	4.60593	4.73304	4.753714
CDHR3	ENSG00000128536	-0.55918	-1.53122	-1.89997	0.074065	0.105606	-4.51748	2.416107	2.55562	2.274882	1.978268	1.718467	1.880533	2.303642	1.809233	2.588518	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
PRKRIP1	ENSG00000128563	-0.10688	4.792571	-1.62422	0.122224	0.164774	-6.20386	5.362012	5.32203	5.217952	5.077635	5.089893	4.899045	5.188389	5.141559	5.216162	4.489195	4.498689	4.551799	4.540442	4.600559	4.602954	4.519164	4.563921	4.365096
VGF	ENSG00000128564	0.119705	0.820817	0.659438	0.51821	0.580302	-6.27172	1.561356	1.420874	1.888281	1.74141	1.498102	1.475193	1.917967	1.988058	1.727075	1.028404	1.467416	1.158083	1.27873	1.282615	1.580823	1.512637	1.329561	1.170016
PODXL	ENSG00000128567	0.376295	2.658677	2.021616	0.058801	0.08603	-4.92626	3.397161	3.450822	3.443319	4.161901	4.009905	4.218286	3.879385	3.672864	4.011347	2.01088	1.945166	2.272125	1.935792	1.846087	1.639204	2.35157	2.295039	2.174206
FOXP2	ENSG00000128573	1.856634	0.984061	3.807908	0.001348	0.002943	-1.10529	1.010037	0.582935	1.256574	3.456785	3.242978	3.678224	1.70672	1.85606	2.005764	1.423238	1.335727	1.305813	1.218025	1.357245	1.423614	1.099384	1.478665	0.999041
STRIP2	ENSG00000128578	-0.91731	1.407409	-2.28331	0.035172	0.054251	-4.14019	2.996191	3.182839	3.190238	2.97776	2.991399	3.069023	3.423261	3.178579	3.044176	1.616888	1.588084	1.49011	0.294634	0.484926	0.404558	1.099384	1.289746	1.844513
IFT22	ENSG00000128581	0.505597	4.985324	10.50416	5.64E-09	7.46E-08	10.66985	5.160214	5.281977	5.190556	5.654037	5.651233	5.569081	5.009762	5.048863	5.102264	4.565511	4.555295	4.557708	5.150455	5.160118	5.055606	4.577584	4.656838	4.651565
MKLN1	ENSG00000128585	-0.09521	6.236531	-1.80952	0.087602	0.122602	-6.16433	6.476008	6.60931	6.572144	6.562258	6.436573	6.60555	6.56222	6.70969	6.648333	5.98989	6.111977	5.952013	5.78299	5.813217	5.947952	5.911246	5.881493	6.048921
DNAJB9	ENSG00000128590	0.364373	4.930246	4.784466	0.00016	0.000449	0.137668	5.086148	5.120143	5.141325	5.554996	5.57921	5.532066	4.681143	4.576102	4.934903	4.848768	4.686104	4.687318	5.000827	5.029288	5.047545	4.637167	4.76606	4.72199
LRRC4	ENSG00000128594	0.202075	0.024646	1.863207	0.079326	0.112209	-5.65955	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.871097	4.620414	4.687318	4.929259	4.824228	4.958638	3.560228	3.713375	3.30423
CALU	ENSG00000128595	0.134286	8.441058	1.563177	0.135935	0.180607	-6.72762	8.772428	8.81861	8.760945	9.279379	9.1713	9.262259	9.135072	9.209435	9.140531	7.842175	7.836058	7.878945	7.659803	7.668676	7.613908	7.957855	7.971456	8.045477
CCDC136	ENSG00000128596	1.010564	0.544843	3.43066	0.003086	0.006174	-1.86191	0.503316	1.374745	1.202741	1.978268	2.264801	1.993763	1.317361	1.15884	1.445026	1.116489	1.228418	1.094478	1.218025	1.591687	1.247156	1.177011	1.2488	1.273688
SMO	ENSG00000128602	1.150033	-0.4421	4.942927	0.000114	0.000333	1.366736	3.361722	3.61855	3.466347	4.591236	4.573001	4.656929	4.122591	3.956862	4.189248	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
IRF5	ENSG00000128604	0.100985	2.482621	0.690084	0.499203	0.561845	-6.85829	2.780548	2.730641	2.758051	2.325974	2.03796	2.098749	1.648695	1.85606	1.777424	3.186323	3.166245	3.180357	3.507651	3.503965	3.586098	3.31616	3.093137	3.021085
KLHDC10	ENSG00000128607	-0.36586	5.914551	-8.95126	6.09E-08	5.23E-07	8.1175	6.455142	6.429199	6.432954	6.064776	6.059364	6.072885	6.479338	6.61587	6.47992	5.651384	5.674479	5.66372	5.342202	5.352544	5.250784	5.612618	5.58723	5.701584
NDUFA5	ENSG00000128609	0.510859	6.048948	6.386104	5.93E-06	2.52E-05	3.344657	5.606174	5.754602	5.690917	6.329513	6.409139	6.420466	6.273964	6.305929	6.256309	5.915104	5.929869	5.893651	6.126359	6.322974	6.294092	5.879669	5.984847	5.896886
MRPS12	ENSG00000128626	-0.25769	5.892021	-2.52129	0.021659	0.035207	-4.86334	6.315484	6.293215	6.422689	5.775282	6.010649	5.860389	5.922569	5.45466	5.791729	5.808398	5.806264	5.987463	5.882915	5.759194	5.738596	6.02189	5.898138	5.760771
MYO1B	ENSG00000128641	0.124566	7.311675	0.870097	0.39604	0.461189	-7.49977	7.390938	7.40661	7.38141	6.895788	6.837352	6.907222	7.013934	6.917137	6.987354	7.402404	7.431751	7.357365	8.053958	7.984118	8.065283	7.277206	7.213693	7.260213
MTX2	ENSG00000128654	-0.2815	6.154078	-5.29677	5.40E-05	0.000173	1.057619	6.362559	6.441838	6.315808	6.0017	5.899563	5.970546	6.122326	6.15961	6.109268	6.344741	6.393375	6.356252	6.249949	6.138233	6.186865	6.092456	5.959694	6.045263
CHN1	ENSG00000128656	1.599005	2.545965	4.86152	0.000136	0.000387	0.936316	2.884092	2.836538	2.883112	5.161789	4.860273	4.98829	3.705302	3.431409	3.528681	1.616888	1.899254	2.038602	2.009285	1.766169	1.876113	2.055273	2.101639	1.703111
GAD1	ENSG00000128683	0.714165	0.638866	4.107022	0.000699	0.001647	-0.8685	0.503316	0.316291	0.512639	0.395333	0.106501	0.3528	0.415731	0.253663	0.515351	3.047564	3.034402	3.318995	3.95166	3.976023	3.849837	3.152846	3.277464	3.498643
OSGEPL1	ENSG00000128694	0.3172	3.446215	2.493986	0.022914	0.037012	-4.31058	4.044416	3.888531	3.93931	3.966538	4.110665	4.194794	4.528631	4.413424	4.459769	2.693825	2.753956	2.902498	3.074617	3.310934	3.387537	2.946659	2.755911	3.267027
ORMDL1	ENSG00000128699	-0.27498	6.119426	-2.86512	0.010511	0.018455	-4.18962	6.4453	6.255527	6.312635	5.884211	5.797458	5.928437	6.593315	6.572714	6.559406	6.077544	6.133205	6.134053	5.947442	6.0552	6.004567	5.919739	5.950148	5.96816
HAT1	ENSG00000128708	-0.20826	6.188725	-2.53585	0.021016	0.034249	-4.87101	6.25721	6.296311	6.212339	6.340176	6.278786	6.466969	6.254643	6.267473	6.081983	6.34246	6.311391	6.419263	5.861989	5.927843	5.896523	6.212532	6.121538	6.216033
HOXD13	ENSG00000128714	0.796509	-1.6952	3.099599	0.006349	0.011791	-2.33554	1.681202	1.849715	1.499186	2.359902	2.549605	2.429135	2.144798	2.357042	1.674905	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
HERC2	ENSG00000128731	-0.12742	6.481515	-1.50859	0.149269	0.196111	-6.65816	6.700641	6.882934	6.896378	6.8048	6.920203	7.094475	6.711398	6.634457	6.644947	6.409378	6.634008	6.225037	6.05331	6.048178	6.077636	6.086182	6.045875	6.106218
SNRPN	ENSG00000128739	0.56462	1.778	3.586514	0.002192	0.004563	-1.73228	1.959273	1.883052	1.78216	2.688367	2.737798	2.845893	2.446718	2.184314	2.376228	1.787595	2.095243	2.055402	2.044674	2.127698	1.992654	1.926335	2.124453	1.973284
PSMG2	ENSG00000128789	-0.11769	5.7872	-1.73525	0.100293	0.138244	-6.27296	5.496078	5.55188	5.423134	5.087795	4.998178	5.093661	5.183289	5.298133	5.355259	6.386308	6.257821	6.432185	6.401807	6.430582	6.42015	6.337182	6.301236	6.23221
TWSG1	ENSG00000128791	0.260539	5.724649	2.093316	0.051193	0.076012	-5.65672	4.789897	4.614695	4.734969	5.569568	5.613956	5.705548	5.566862	5.416115	5.408147	6.291335	6.288198	6.22225	6.10661	6.165747	6.157205	6.291009	6.363693	6.284342
EIF2AK4	ENSG00000128829	0.09956	6.521227	1.828489	0.084595	0.118848	-6.17364	6.813148	6.797001	6.811251	6.702735	6.687183	6.778813	6.83525	6.843522	6.763659	6.096621	6.141856	6.09599	6.388095	6.365404	6.385395	6.438184	6.330965	6.403414
MYO5C	ENSG00000128833	0.529587	4.78158	8.487375	1.31E-07	9.82E-07	7.369984	3.223781	3.042358	3.176339	3.487804	3.48743	3.419122	3.814892	3.879643	3.946814	5.915104	5.977596	5.788295	6.402659	6.475248	6.464215	6.331888	6.350449	6.337649
CGNL1	ENSG00000128849	-0.57994	2.85951	-4.09922	0.000711	0.001672	-1.23738	0.947665	1.173893	1.202741	2.021307	1.996426	1.880533	1.160105	1.231675	1.564539	5.238045	5.321056	5.199163	4.577158	4.501207	4.488525	5.312861	5.324498	5.233567
TMOD2	ENSG00000128872	0.26512	2.079274	1.440212	0.16748	0.216542	-6.06604	1.475543	2.009193	1.921989	2.255624	2.078331	2.317553	1.317361	0.622068	1.244857	3.102524	3.398501	3.035461	3.442811	3.393046	3.206318	3.123735	3.307681	3.432977
TTBK2	ENSG00000128881	0.153997	3.32486	1.156543	0.263023	0.322812	-6.39542	3.878801	4.029182	4.153091	4.333937	4.13	4.386706	4.264577	4.256466	4.364168	3.102524	3.034402	2.682227	2.902055	2.863205	2.80865	2.35157	2.711397	2.528753
CCDC32	ENSG00000128891	0.261141	4.316278	3.997255	0.000889	0.002041	-1.48999	3.765853	3.976101	3.88052	4.263984	4.149079	4.30129	4.023335	4.273815	4.170531	4.596474	4.627471	4.583999	4.823716	4.592857	4.938437	4.6711	4.691628	4.712796
INO80	ENSG00000128908	-0.22709	6.373356	-3.18709	0.005251	0.009937	-3.54783	6.755148	6.800277	6.801098	6.294854	6.261358	6.337085	6.709625	6.71605	6.685063	6.143238	6.218635	6.202588	6.226064	6.222995	6.147181	6.23766	6.16345	6.125399
ICE2	ENSG00000128915	0.037895	6.043009	0.591619	0.56168	0.621119	-7.55472	6.00877	5.979315	5.972044	6.35076	6.121055	6.263719	6.190001	6.19874	6.119063	6.038616	6.110718	5.98965	5.847033	5.973041	5.881486	6.045367	5.970753	6.120193
MINDY2	ENSG00000128923	0.546813	3.917305	6.13957	9.65E-06	3.85E-05	3.230166	3.236881	3.182839	3.489013	3.988393	3.978251	4.045196	4.283766	4.436718	4.339245	3.730807	3.992097	3.707046	4.072312	4.326476	4.189664	4.361843	4.455636	4.488745
IVD	ENSG00000128928	0.395924	6.168149	7.326352	1.00E-06	5.49E-06	5.177754	6.402344	6.437637	6.454708	6.676049	6.768082	6.643644	6.487637	6.446436	6.357005	5.59692	5.54815	5.597869	6.059811	6.088441	6.145923	5.923967	5.927624	5.849434
KNSTRN	ENSG00000128944	-0.81087	4.839294	-11.11	2.39E-09	3.72E-08	11.56272	4.702888	4.897622	4.564038	4.052041	4.267295	4.241401	4.659269	4.971227	4.764393	5.565966	5.559265	5.61497	4.698772	4.600559	4.695277	5.455985	5.456227	5.311765
DUT	ENSG00000128951	-0.41676	6.208333	-7.46073	7.84E-07	4.46E-06	5.422098	6.359567	6.491317	6.42416	6.225234	6.145011	6.19434	6.400221	6.506377	6.458862	6.262665	6.321217	6.348605	5.658595	5.769478	5.840085	6.267911	6.274712	6.168068
CHAC1	ENSG00000128965	-1.29874	4.243662	-2.25776	0.037017	0.056789	-4.77421	6.943714	6.908455	6.969726	4.869634	4.950037	4.951383	6.780575	6.720802	6.963088	2.121457	1.851833	2.004401	3.725018	3.591587	3.700188	2.013561	2.354144	2.06284
CLN6	ENSG00000128973	-0.78652	5.903874	-8.51682	1.25E-07	9.44E-07	7.348091	5.98955	5.863	6.019525	5.420792	5.654575	5.599217	5.726144	5.749473	5.754509	6.582718	6.447215	6.517263	5.547339	5.393017	5.526854	6.368542	6.259333	6.31048
ARPP19	ENSG00000128989	-0.41972	7.871812	-10.8958	3.23E-09	4.77E-08	10.96626	7.937392	7.945033	7.923515	7.633319	7.598671	7.61462	7.674283	7.806514	7.732767	8.268294	8.22721	8.17712	7.690499	7.778836	7.699137	8.009166	8.039433	8.052327
VPS13C	ENSG00000129003	0.636049	5.869756	5.39837	4.37E-05	0.000143	1.331446	5.670345	5.820613	5.876425	6.67099	6.693695	6.918022	6.09814	6.32478	6.169423	5.471	5.801592	5.421185	5.797326	5.865289	5.84164	5.224213	5.19577	5.277879
CALML4	ENSG00000129007	-0.86363	2.815032	-6.11259	1.02E-05	4.03E-05	3.42163	3.373632	3.370829	3.359697	3.181227	3.073582	2.845893	3.315502	3.083395	3.218306	3.255856	3.356645	3.125724	2.178139	2.363215	2.058312	2.957699	3.204393	3.093712
THAP10	ENSG00000129028	-0.50481	2.476406	-3.59674	0.002144	0.004475	-1.91757	2.505419	2.332462	2.5366	2.325974	2.660129	1.799787	2.480375	2.540248	2.408535	3.331423	3.1855	2.93917	2.770846	2.433888	2.633039	3.516101	3.571152	3.267027
LOXL1	ENSG00000129038	-0.34852	0.203949	-1.61813	0.123538	0.166324	-5.29644	1.010037	0.499412	0.964748	0.395333	0.389229	0.3528	0.886508	0.622068	0.629397	1.555182	1.922393	1.820066	1.916818	1.681564	1.580823	2.26534	2.030948	2.442395
ANAPC13	ENSG00000129055	-0.05518	6.370136	-1.06647	0.300721	0.362703	-7.20736	6.563094	6.504766	6.569487	6.392338	6.364945	6.248587	6.404611	6.35566	6.302172	6.398438	6.435199	6.408678	6.474163	6.500165	6.492201	6.217134	6.179879	6.17478
MBD4	ENSG00000129071	-0.33741	5.453571	-4.19	0.000582	0.001404	-1.25019	5.37392	5.460976	5.458019	5.132645	5.230876	5.253794	5.531176	5.653324	5.677057	5.80343	5.861181	5.808257	5.356354	5.487419	5.380516	5.457931	5.348921	5.499895
COPB1	ENSG00000129083	-0.19949	7.159211	-4.51887	0.000284	0.000744	-0.71602	7.765562	7.798761	7.713404	7.421727	7.440219	7.442457	7.419472	7.463253	7.461601	6.89441	6.823381	6.817907	6.75753	6.79515	6.767159	6.786632	6.765868	6.725958
PSMA1	ENSG00000129084	-0.46871	3.658638	-4.76837	0.000166	0.000463	0.476852	4.71698	4.826575	4.574673	4.290615	4.392653	4.34463	4.576101	4.467202	4.355908	3.246125	3.423044	3.346558	2.921223	2.48471	3.021143	3.171932	3.160915	2.896697
SUMF2	ENSG00000129103	0.280893	7.102396	3.875647	0.001161	0.002577	-2.14009	6.759694	6.786028	6.691769	7.280506	7.331683	7.348003	7.092211	7.066472	7.135856	7.146663	7.046448	7.148135	7.155717	7.177591	7.091796	7.288727	7.257568	7.234746
PALLD	ENSG00000129116	0.5462	7.650958	3.768158	0.001471	0.003187	-2.3909	8.645558	8.599837	8.616917	8.671383	8.571423	8.6558	8.294154	8.333112	8.339584	6.319445	6.277022	6.408678	7.49808	7.445266	7.535386	6.569927	6.541621	6.560288
SPCS3	ENSG00000129128	0.321094	7.094613	5.870035	1.66E-05	6.15E-05	2.189812	6.851978	6.860096	6.834669	7.26156	7.239007	7.256415	7.595845	7.607074	7.600053	6.716459	6.801707	6.811122	6.990875	7.04418	7.012575	7.097969	7.151186	7.16988
SERGEF	ENSG00000129158	0.779185	1.858198	6.899174	2.21E-06	1.08E-05	5.073091	2.296082	2.534795	2.37563	2.999448	3.170134	2.904994	2.637802	2.568641	2.501332	1.490718	1.616737	1.631268	1.973006	2.169719	2.416453	1.759719	1.737342	1.665483
E2F8	ENSG00000129173	-1.47589	1.930474	-6.09123	1.06E-05	4.18E-05	3.496173	2.021155	2.152784	2.248556	1.888135	1.953662	2.132113	2.340763	2.184314	2.309357	3.236329	3.096753	3.247691	1.597456	1.357245	1.456457	2.855159	2.799093	2.649309
DCTD	ENSG00000129187	-0.20151	7.106896	-2.97482	0.00831	0.014959	-4.06705	7.457498	7.462814	7.466675	7.033552	7.057803	7.027348	7.577495	7.561886	7.603546	6.833171	6.896772	6.813593	6.8517	6.850291	6.862903	6.896133	6.915626	6.953751
PIMREG	ENSG00000129195	-1.25259	2.913465	-3.4094	0.003233	0.006429	-2.25613	3.27548	3.310847	3.25779	3.342644	3.517104	3.445903	3.814892	3.868266	3.69508	3.420635	3.584062	3.373604	1.365252	1.652223	1.08859	3.603046	3.467897	3.744016
RPAIN	ENSG00000129197	0.473952	4.861601	4.909506	0.000123	0.000354	0.451053	4.892796	4.715296	4.574673	5.1079	5.079986	5.106307	5.253102	5.281075	5.519576	4.517783	4.47541	4.598401	5.102982	4.919664	5.121083	4.700972	4.625193	4.844905
PLD2	ENSG00000129219	0.518561	4.728072	4.347922	0.000412	0.001033	-0.74523	4.992709	5.03743	5.155563	5.180897	5.296516	5.195807	5.136557	5.150979	5.252213	4.161861	4.127684	4.194187	5.025392	4.953134	4.975731	4.137495	4.195062	3.992166
TXNDC17	ENSG00000129235	-0.36999	6.006372	-3.55195	0.002365	0.004877	-2.73108	5.938346	5.936292	5.841623	5.910205	5.979012	5.923682	5.774426	6.043026	5.754509	6.433158	6.359867	6.289476	5.729627	5.695898	5.718428	6.386015	6.418951	6.403414
FXR2	ENSG00000129245	-0.4503	6.219748	-13.1118	1.78E-10	4.98E-09	14.12845	7.149947	7.138952	7.09414	6.682767	6.683917	6.642197	7.060574	7.020962	7.032107	5.702088	5.629491	5.784522	5.302552	5.277664	5.264758	5.65732	5.635678	5.603018
KIF1C	ENSG00000129250	0.579632	7.193835	13.235	1.53E-10	4.48E-09	14.18577	7.240532	7.290284	7.273755	7.69692	7.810463	7.771061	7.65507	7.655034	7.583345	6.488885	6.43218	6.578115	7.242092	7.127831	7.102859	6.991206	6.907428	6.833783
MPDU1	ENSG00000129255	-6.28E-05	6.337863	-0.00067	0.999473	0.999473	-7.75204	6.559188	6.527344	6.553447	6.873941	6.922977	6.860709	6.974619	6.91299	6.860262	6.140615	6.002238	6.122141	5.737758	5.760913	5.726866	6.04666	5.935709	5.911023
PHF20L1	ENSG00000129292	0.380837	6.185819	5.268715	5.73E-05	0.000182	0.996969	5.713155	5.754602	5.785507	6.154502	6.005424	6.142073	6.314182	6.401762	6.331956	6.118119	6.258958	6.123138	6.536863	6.544756	6.582373	6.334008	6.289928	6.325637
CCNT1	ENSG00000129315	-0.81333	6.60396	-12.9795	2.09E-10	5.56E-09	13.89762	7.242157	7.139814	7.212082	6.218315	6.161547	6.125602	6.585604	6.651149	6.668483	6.992244	6.942055	6.81606	6.261275	6.298326	6.339916	6.429288	6.507314	6.562849
PUS7L	ENSG00000129317	-0.19677	5.143306	-3.43483	0.003058	0.006124	-2.81563	5.394524	5.430295	5.417238	5.355021	5.104628	5.384134	5.61311	5.656635	5.588176	5.055104	4.997958	4.956908	4.72355	4.682664	4.85468	4.991566	4.965609	5.174518
KRI1	ENSG00000129347	0.233981	5.152072	3.817152	0.00132	0.002891	-2.00292	4.901049	4.929882	5.141325	5.404628	5.399687	5.435149	5.409787	5.400404	5.482116	5.001167	5.008809	5.056239	5.045184	5.120493	5.11852	5.215041	5.179522	5.239981
ILF3	ENSG00000129351	-0.24803	8.344004	-7.78514	4.39E-07	2.71E-06	5.8441	8.550721	8.47831	8.523943	8.222891	8.232181	8.216755	8.611418	8.57318	8.563685	8.350343	8.302997	8.322575	8.171176	8.086724	8.099474	8.31655	8.313322	8.338945
SLC44A2	ENSG00000129353	0.73119	5.549505	9.158241	4.37E-08	3.99E-07	8.402451	3.313074	3.461896	3.597291	4.740363	4.694855	4.76722	3.586698	3.833587	3.708117	6.982021	7.037203	7.083056	7.62552	7.592038	7.602491	7.138555	7.099586	7.068114
AP1M2	ENSG00000129354	-0.06351	4.93511	-1.14464	0.26779	0.327731	-7.03184	3.156438	3.335139	3.384088	2.840308	3.151334	3.216292	3.277716	3.3682	3.373665	6.935858	6.769372	6.960193	6.831579	6.894032	6.831167	6.75613	6.715104	6.664102
CDKN2D	ENSG00000129355	-1.43939	1.607252	-8.20351	2.12E-07	1.47E-06	7.374912	2.245129	2.356396	2.194417	1.326771	1.768674	1.956998	2.058296	1.710758	2.127218	2.906434	2.779525	2.957162	1.473091	1.591687	1.390007	2.075685	2.078458	1.973284
MTUS1	ENSG00000129422	0.794972	5.06222	11.23741	2.01E-09	3.23E-08	11.69493	4.937612	4.843609	4.86196	5.884211	5.853781	5.887507	4.651903	4.540708	4.819498	5.203266	5.014203	5.039448	5.681258	5.637204	5.730227	4.37837	4.451131	4.546811
KLK10	ENSG00000129451	0.252964	1.753138	3.270339	0.004381	0.008446	-3.09535	0.41387	0.410755	0.219246	0.395333	0.25478	0.3528	0.269385	0.387194	0.735084	5.342194	5.370266	5.500009	5.710474	5.605024	5.663227	5.371825	5.496136	5.29338
NGDN	ENSG00000129460	-0.58862	6.039776	-9.20018	4.08E-08	3.77E-07	8.465768	6.063102	5.871329	5.922947	5.122798	5.084948	5.143594	5.356409	5.619796	5.653661	6.879539	6.785236	6.872255	6.412005	6.416471	6.40235	6.569027	6.45202	6.529201
RAB2B	ENSG00000129472	-0.12351	4.596634	-2.9395	0.008965	0.016006	-3.81246	4.688657	4.742796	4.676925	4.525489	4.522687	4.633822	4.411387	4.436718	4.497806	4.782995	4.953722	4.845406	4.763924	4.753456	4.745971	4.609434	4.592839	4.646745
BCL2L2	ENSG00000129473	-0.17849	5.744093	-2.83689	0.011163	0.019461	-4.21661	5.423458	5.355074	5.463752	5.222985	5.171467	5.167927	5.740105	5.75257	5.892253	6.099326	6.157786	6.097004	6.004721	5.920171	5.969444	6.142902	6.108723	6.216033
AJUBA	ENSG00000129474	-0.26707	7.420204	-1.10307	0.284952	0.346029	-7.28921	7.50835	7.385683	7.469528	5.918767	5.965622	5.911724	6.52843	6.642827	6.660121	8.061232	7.989095	8.115118	8.655242	8.576095	8.646199	7.936739	7.897223	7.886942
DTD2	ENSG00000129480	0.147585	4.282041	2.326923	0.032218	0.050155	-4.94905	4.511345	4.256058	4.188143	4.245952	4.500575	4.372816	4.205428	4.357565	4.288067	4.421642	4.374156	4.29666	4.565023	4.553723	4.539229	4.236002	4.173346	4.341429
PARP2	ENSG00000129484	-0.5542	4.782352	-11.433	1.53E-09	2.62E-08	12.01742	4.735558	4.765319	4.526184	4.052041	4.222966	4.279122	4.695544	4.696781	4.570996	5.384942	5.391149	5.373413	4.790225	4.90419	4.782046	5.286834	5.292118	5.329918
HEATR5A	ENSG00000129493	0.423677	4.93466	3.383035	0.003425	0.006766	-2.9235	5.153322	5.188404	5.116065	5.927278	5.876854	6.009218	4.709802	4.759705	4.620106	4.71408	4.896447	4.66833	4.790225	4.837324	4.866948	4.619897	4.525868	4.45054
FOXA1	ENSG00000129514	0.217618	6.007446	2.006816	0.060493	0.088261	-5.78507	6.543459	6.665473	6.601043	7.078821	7.018142	6.932297	6.725501	6.629411	6.809748	5.487612	5.51238	5.599302	5.482686	5.583812	5.461619	4.817667	4.897703	4.771534
SNX6	ENSG00000129515	0.002043	6.895486	0.043876	0.965501	0.971497	-7.85014	6.469086	6.461282	6.443147	6.333788	6.250358	6.229446	6.564183	6.59359	6.502546	7.291472	7.27486	7.25654	7.395594	7.444196	7.381964	7.487018	7.492188	7.484763
EAPP	ENSG00000129518	0.3758	5.014088	5.829825	1.80E-05	6.57E-05	2.303434	4.688657	4.55906	4.370098	4.54774	4.701332	4.651187	4.454362	4.316298	4.364168	5.373815	5.52755	5.464284	5.882915	6.018303	5.958022	5.375946	5.433569	5.448204
EGLN3	ENSG00000129521	-0.67818	3.984381	-2.5709	0.019542	0.032111	-4.46738	3.313074	3.35903	3.24453	3.605613	3.602632	3.560621	2.933443	3.083395	3.181386	4.373294	5.179378	4.798774	3.819988	3.952144	3.968435	5.908404	5.987961	5.830433
MIS18BP1	ENSG00000129534	-0.52033	4.387452	-4.25565	0.000505	0.001237	-0.95349	3.719942	3.704977	3.597291	4.092964	3.901574	3.848471	4.023335	4.030158	3.90213	5.267203	5.321056	5.341234	4.431031	4.537767	4.610269	5.224213	5.339201	5.461988
NEDD8	ENSG00000129559	0.381543	5.427065	8.534265	1.21E-07	9.22E-07	7.421913	4.91334	5.059469	4.904734	5.342348	5.287935	5.199746	5.071794	5.314991	5.265504	5.542307	5.599299	5.546801	5.920311	5.974523	6.018381	5.794488	5.800579	5.765225
DAD1	ENSG00000129562	0.035216	7.03167	0.745785	0.46571	0.529167	-7.56484	6.724088	6.794813	6.748056	6.725687	6.812138	6.794527	7.17676	7.096033	6.999336	7.206217	7.170011	7.109441	7.144547	7.219454	7.247099	7.271688	7.232192	7.304492
TEP1	ENSG00000129566	0.184756	5.177515	1.81606	0.086554	0.121326	-6.07517	4.158957	3.944869	4.034833	4.209199	4.368438	4.427589	4.716879	4.677356	4.534865	6.232183	6.219803	5.994014	6.339944	6.1514	6.318861	5.85183	5.93248	5.966227
EPB41L4A	ENSG00000129595	1.068134	1.155777	9.082311	4.93E-08	4.38E-07	8.748142	0.882475	0.582935	0.679585	1.256461	1.2379	1.422231	0.415731	0.622068	0.256032	2.679436	3.086546	2.992487	3.865227	3.779712	3.945482	2.782512	2.535313	2.610232
REEP5	ENSG00000129625	0.353431	7.31089	6.232848	8.02E-06	3.28E-05	2.910889	7.123742	7.238097	7.107935	7.680232	7.618485	7.651759	7.494482	7.594184	7.536604	7.162915	7.049735	7.123451	7.349466	7.352537	7.288157	7.151234	7.064623	7.179089
ITFG1	ENSG00000129636	0.345661	6.670844	8.080427	2.62E-07	1.76E-06	6.523045	7.191752	7.248527	7.244914	7.60265	7.533012	7.663929	7.217247	7.24091	7.327573	5.97524	5.886405	5.995103	6.224136	6.281656	6.274656	5.866549	5.876461	5.720055
QRICH2	ENSG00000129646	0.101964	0.944893	0.559942	0.582625	0.640303	-6.41007	1.235614	1.277811	1.028027	1.519216	1.373859	1.422231	2.01302	1.605065	1.38134	1.98771	1.529011	1.538714	1.776519	1.622273	1.355599	1.926335	1.766644	2.091498
SEC14L1	ENSG00000129657	0.322263	7.015958	3.851075	0.001226	0.002704	-2.21476	5.353017	5.263109	5.281005	5.955291	5.899563	5.986596	5.967764	5.9217	6.089476	8.290654	8.272934	8.270014	8.458952	8.412918	8.423712	8.257469	8.249244	8.233604
RHBDF2	ENSG00000129667	0.296829	5.569672	3.674817	0.001806	0.003842	-2.42924	5.465799	5.447111	5.431935	5.468225	5.760718	5.477948	5.093706	4.883536	5.062209	5.627223	5.734541	5.737147	6.231832	5.993658	6.094687	5.922559	5.701643	5.694596
ARHGEF6	ENSG00000129675	1.219445	0.045687	5.015989	9.77E-05	0.00029	1.490976	0.503316	0.875715	0.323815	1.393812	1.2379	1.250575	0.983587	1.15884	1.0941	0.7264	1.152172	0.76743	1.308151	1.16289	1.390007	1.387593	1.581179	1.504318
MAP7D3	ENSG00000129680	0.357369	5.048416	6.992605	1.86E-06	9.34E-06	4.690956	5.243701	5.281977	5.173166	5.5623	5.36339	5.525804	5.315037	5.093515	5.188519	4.696324	4.699561	4.748003	5.107173	5.14703	5.188613	4.835732	4.758787	4.75819
FGF13	ENSG00000129682	-1.13023	1.956815	-14.5861	3.20E-11	1.43E-09	16.00149	1.430644	1.327092	1.088647	0.635873	0.92021	0.657796	1.389995	1.231675	1.314712	4.232554	4.292151	4.34529	3.259174	3.366191	3.137101	4.222335	4.145732	4.101878
ASH2L	ENSG00000129691	-0.53026	5.58221	-9.51555	2.49E-08	2.49E-07	9.021653	5.51233	5.418975	5.636121	4.982834	5.084948	5.155812	4.845133	4.802174	4.84333	6.392937	6.385071	6.462418	5.833186	5.855668	5.893528	6.020575	5.997261	5.950669
TTI2	ENSG00000129696	-0.225	4.074685	-3.00673	0.007759	0.014068	-3.5576	4.066597	4.412648	4.294909	3.766043	4.081169	3.818042	4.045989	3.978187	3.935772	4.509673	4.214605	4.45065	4.301707	4.250194	4.261115	4.203908	4.123255	4.190648
SGO1	ENSG00000129810	-1.6405	2.329786	-5.69158	2.38E-05	8.39E-05	2.722742	3.142584	3.196163	3.075109	2.577385	2.57804	2.697781	3.747379	3.578282	3.572114	2.906434	2.877496	2.983737	1.018891	1.032323	0.812339	2.75746	2.881762	2.912845
RPS4Y1	ENSG00000129824	-0.30185	8.249677	-4.91837	0.00012	0.000348	0.087316	9.301438	9.311419	9.245973	8.815511	8.730294	8.790866	8.860991	8.90085	8.972752	7.633627	7.663125	7.599261	7.558241	7.553873	7.55826	7.371548	7.35965	7.367363
KLF16	ENSG00000129911	0.143367	5.250182	1.253575	0.226506	0.282424	-6.83295	4.776503	4.933864	5.029808	5.241304	5.710229	5.268872	4.974767	5.127313	5.03142	5.295783	5.285805	5.507659	5.280456	5.347976	5.234307	5.75864	5.746454	5.661529
PGAP6	ENSG00000129925	0.746769	6.092416	8.906788	6.55E-08	5.56E-07	7.980049	5.451823	5.343146	5.426074	6.402548	6.476771	6.401779	5.781194	5.626565	5.848765	5.98551	6.064665	6.183609	6.703891	6.587042	6.557045	6.547266	6.439566	6.245022
DOHH	ENSG00000129932	-0.29313	4.31956	-3.49665	0.00267	0.005435	-2.5181	4.659767	4.677795	4.799861	4.227693	4.600983	4.28655	4.591583	4.467202	4.7071	4.092963	4.23323	4.463295	4.114557	3.970091	4.062102	4.511692	4.38181	4.236277
MAU2	ENSG00000129933	-0.10834	5.682702	-1.40145	0.178589	0.229033	-6.70449	5.883176	5.850414	5.891391	5.540275	5.627623	5.510028	6.020192	5.695778	5.851705	5.806744	5.56295	5.63327	5.828117	5.685073	5.645534	5.531817	5.690219	5.554952
SHC2	ENSG00000129946	2.544065	0.496289	8.216544	2.07E-07	1.44E-06	7.217974	1.894617	1.849715	2.446827	4.687901	4.352066	4.30129	3.258446	3.40015	3.746538	0.190076	0.259702	0.34382	0.656707	0.484926	0.651457	0.393424	0.2791	0.214669
PLPPR3	ENSG00000129951	0.378156	-1.511	0.881503	0.390007	0.455131	-5.76313	1.18244	1.465573	1.54317	1.933905	1.864131	1.757653	1.917967	2.220554	2.501332	0.190076	0.185134	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.214669
ABHD17A	ENSG00000129968	0.487057	5.13629	5.628831	2.71E-05	9.40E-05	1.930935	5.060589	5.091908	5.148462	5.49519	5.539998	5.438487	5.515028	5.408281	5.44755	4.451587	4.881766	4.983487	5.335073	5.313248	5.319341	5.075046	5.006099	4.712796
LBP	ENSG00000129988	1.324036	-0.49046	2.545954	0.020581	0.033616	-3.43834	2.707144	2.49222	2.794903	4.009923	3.901574	4.146631	1.588238	1.901414	1.873138	0.106501	0.330605	0.16959	0.171976	0.345231	0.106501	0.183756	0.19538	0.214669
SYT5	ENSG00000129990	0.711091	0.196429	3.70384	0.001694	0.00362	-1.39038	0.742531	0.736739	0.829201	0.635873	0.828511	0.746642	0.670238	0.622068	0.256032	1.490718	1.725977	1.439812	2.112949	2.363215	2.23906	1.809319	1.645686	1.416439
TNNI3	ENSG00000129991	-0.4924	-0.37916	-3.08515	0.006551	0.01213	-2.94336	0.106501	0.215206	0.219246	0.106501	0.106501	0.106501	0.415731	0.106501	0.106501	3.216534	3.232543	3.380287	2.83289	2.985883	2.821313	2.968656	3.138674	3.121769
CBFA2T3	ENSG00000129993	0.150901	0.382794	0.41336	0.68437	0.732398	-6.50072	1.430644	1.591918	0.898566	0.934951	1.373859	1.575618	0.415731	0.387194	0.39151	1.315703	1.335727	1.439812	1.420179	1.710321	1.456457	2.173627	1.82352	2.033602
GAMT	ENSG00000130005	0.311759	4.526926	4.706188	0.00019	0.00052	0.082263	4.635242	4.756352	4.840087	4.93299	5.26188	4.979151	4.932837	4.894793	4.849226	4.13575	4.061483	4.29666	4.386902	4.455227	4.531543	4.319678	4.128907	4.261717
PUDP	ENSG00000130021	0.262035	5.276686	3.937148	0.001014	0.002292	-1.79388	4.91334	4.929882	4.966609	5.432797	5.435093	5.316813	4.956946	4.955186	5.136423	5.512178	5.372368	5.399966	5.645688	5.522299	5.485683	5.571885	5.469653	5.65194
ERMARD	ENSG00000130023	-0.43982	3.877729	-5.06018	8.90E-05	0.000267	0.944828	4.450796	4.440906	4.458888	3.955484	3.6964	3.744443	3.690999	3.736817	3.668646	4.03198	4.14254	4.286022	3.979357	3.927863	3.824901	3.717885	3.974229	3.865145
PHF10	ENSG00000130024	-0.15657	6.106821	-1.15941	0.261885	0.321721	-7.00784	6.66474	6.748083	6.667134	6.44268	6.418997	6.567948	7.382122	7.282216	7.273781	5.485546	5.590297	5.546801	5.43514	5.458046	5.449434	5.373887	5.319564	5.255893
CRACR2A	ENSG00000130038	-0.2376	2.645707	-2.334	0.031761	0.049499	-4.57237	2.483604	2.332462	2.492412	2.605941	2.460774	2.581827	2.637802	2.389238	2.309357	3.376719	3.423044	3.240362	3.057395	3.032175	2.895043	3.552967	3.385297	3.519884
FAM155B	ENSG00000130054	0.934581	-0.51672	3.996716	0.00089	0.002043	-0.56841	3.911847	3.686213	3.55495	4.59836	4.745876	4.67402	4.000319	3.82184	3.759121	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SAT1	ENSG00000130066	-0.38018	7.506764	-3.01389	0.00764	0.013881	-3.97823	9.10714	9.063185	9.087911	8.736192	8.760847	8.713421	8.311789	8.396358	8.346897	6.467061	6.429154	6.344338	5.996837	5.983386	6.019755	6.495177	6.500789	6.567956
GNL3L	ENSG00000130119	-0.34625	5.044776	-6.41789	5.58E-06	2.39E-05	3.543428	5.379837	5.372784	5.287484	4.845887	5.07001	4.923071	4.864381	4.933517	5.092354	5.346754	5.342658	5.303055	5.047367	5.117812	4.950015	4.820694	5.042491	4.874064
SH3BP4	ENSG00000130147	-0.16763	7.309312	-1.40285	0.178175	0.228688	-6.91997	7.156856	7.072773	7.136929	6.35076	6.371051	6.36892	6.323484	6.265306	6.22717	8.08633	7.973948	8.085263	8.341364	8.206685	8.302784	7.847557	7.829847	7.815731
MOSPD2	ENSG00000130150	-0.04736	4.871836	-0.60713	0.551572	0.61146	-7.32857	5.250176	5.188404	5.211151	5.506594	5.239802	5.408166	5.342749	5.210752	5.150819	4.816256	4.761819	4.803754	4.561973	4.51757	4.523816	4.386563	4.338561	4.411295

DOCK6	ENSG00000130158	0.224984	5.090405	3.499523	0.002654	0.005406	-2.70324	4.595114	4.738249	4.804386	4.892995	4.966263	4.78306	5.272444	5.103252	5.265504	5.117808	5.135498	5.240153	5.482686	5.363901	5.384788	5.323569	5.502682	5.445432
ECSIT	ENSG00000130159	0.453028	4.269376	5.111431	7.98E-05	0.000243	1.024748	3.983545	4.006672	3.819232	4.456603	4.7142	4.55606	4.986526	4.77806	4.831463	4.03198	3.890158	4.100159	4.31626	4.215509	4.27038	4.530299	4.386537	4.370952
LDLR	ENSG00000130164	-0.83196	6.752804	-3.24939	0.004586	0.008799	-3.44592	6.841296	6.76718	6.852259	7.106565	6.980027	7.048253	6.987844	6.833319	6.943927	7.251907	7.158486	7.241019	5.585386	5.372923	5.473701	7.217031	7.090924	7.074409
ELOF1	ENSG00000130165	-0.1677	5.984289	-4.04366	0.000803	0.001863	-1.65828	5.87482	5.959918	5.887131	5.704425	5.839171	5.804577	5.781194	5.874148	5.970082	6.312469	6.191511	6.28681	6.131511	6.039705	6.026606	6.119744	6.125784	6.211145
PRKCSH	ENSG00000130175	-0.10899	8.634659	-2.89486	0.009864	0.017448	-4.36152	8.592723	8.559811	8.628767	8.359136	8.426486	8.374494	8.560205	8.455048	8.563236	8.827819	8.750394	8.812341	8.82974	8.74043	8.748158	8.758393	8.78183	8.72266
CDC16	ENSG00000130177	-0.04156	5.956806	-0.75317	0.461376	0.524828	-7.416	6.48427	6.470907	6.427097	6.270533	6.248147	6.354858	6.227647	6.236837	6.215804	5.627223	5.555569	5.600733	5.654305	5.776294	5.611309	5.515099	5.669038	5.720055
THEM6	ENSG00000130193	-0.1821	6.225445	-4.44161	0.000336	0.000863	-0.81828	6.077737	6.068955	5.992018	5.915919	6.015855	5.845381	5.925627	5.929932	5.857568	6.640499	6.598534	6.643465	6.47254	6.373292	6.382194	6.623769	6.55952	6.498767
NECTIN2	ENSG00000130202	0.345983	6.737986	5.930146	1.47E-05	5.54E-05	2.324101	5.983734	5.981241	5.927103	6.234408	6.379154	6.202215	6.538451	6.476718	6.610642	7.026043	6.996218	7.092244	7.465809	7.360496	7.37929	7.332323	7.279333	7.286014
APOE	ENSG00000130203	1.571489	2.28744	16.12555	6.21E-12	4.40E-10	17.65538	0.742531	0.875715	0.829201	0.934951	1.307481	1.055701	0.983587	0.824004	1.0941	3.812196	4.092415	4.15185	5.511428	5.674166	5.645534	4.780845	4.805418	4.504815
TOMM40	ENSG00000130204	-0.57704	7.268129	-10.7669	3.87E-09	5.55E-08	10.81942	7.366561	7.276237	7.391972	6.765786	6.973352	6.874328	7.228432	7.165069	7.196093	7.651706	7.550679	7.717452	7.022836	6.968829	6.976941	7.680189	7.648912	7.548164
APOC1	ENSG00000130208	-0.02033	0.243896	-0.0708	0.944365	0.954213	-6.33393	1.18244	1.631689	1.62731	1.022291	1.556428	1.123626	2.01302	2.029503	2.047395	0.415169	0.748206	0.993481	0.745413	0.986036	0.910419	1.017342	0.816175	1.058313
GADD45G	ENSG00000130222	0.629072	1.237383	2.250787	0.037536	0.057511	-4.24377	1.384302	1.508929	2.166567	1.888135	2.490996	1.840725	2.908934	2.702788	2.616448	0.934589	1.300837	1.439812	1.392977	1.652223	1.947161	1.681967	1.289746	1.370407
XPO7	ENSG00000130227	-0.19608	7.027042	-5.48072	3.68E-05	0.000123	1.359345	6.957628	6.971803	6.968719	6.776816	6.721046	6.741468	6.805684	6.869431	6.76989	7.319	7.318575	7.226257	7.120391	7.081117	7.14124	7.335501	7.285673	7.283687
ACE2	ENSG00000130234	0.048131	-1.28125	0.186609	0.854116	0.879368	-6.52237	0.106501	0.410755	0.219246	0.106501	0.389229	0.106501	0.106501	0.106501	0.106501	1.646779	1.725977	1.60868	1.597456	1.871771	1.826726	1.320757	1.16325	1.461048
FAM98C	ENSG00000130244	0.028115	3.418516	0.353112	0.728228	0.772312	-7.15435	3.498536	3.695626	3.597291	3.359513	3.362223	3.548316	3.219115	3.431409	3.406029	3.42926	3.654848	3.608031	3.675081	3.806595	3.665494	3.637781	3.603991	3.744016
SAFB2	ENSG00000130254	-0.03171	5.660335	-0.52308	0.607489	0.663787	-7.55948	5.325688	5.312885	5.408347	5.499001	5.641162	5.408166	5.478019	5.525174	5.500968	5.895008	6.041075	6.089887	5.852036	5.874847	5.821296	5.996688	5.942144	5.806864
RPL36	ENSG00000130255	-0.01424	7.885583	-0.3749	0.712243	0.758749	-7.8392	8.113287	8.028871	8.085194	8.003666	8.098097	7.963479	8.039302	8.147345	8.118165	7.639214	7.589143	7.734505	7.656232	7.728766	7.656931	7.792741	7.827242	7.832805
ATP8B3	ENSG00000130270	0.699193	3.903748	3.206034	0.00504	0.009566	-3.22164	3.288121	3.537122	3.454879	2.143217	1.909591	2.5075	3.33403	3.002451	3.181386	4.581075	4.641483	4.592658	5.704954	5.642809	5.769963	5.212738	5.140881	5.109451
GTPBP3	ENSG00000130299	-0.77087	4.091027	-9.16727	4.30E-08	3.94E-07	8.717226	4.772011	4.813666	4.831244	3.898911	3.967543	3.700636	4.045989	4.009594	4.011347	4.434552	4.309807	4.563592	3.90909	3.858903	3.862146	4.147172	4.128907	3.945834
BST2	ENSG00000130303	0.776387	3.784124	10.86855	3.35E-09	4.94E-08	11.0912	0.882475	0.410755	0.512639	1.688986	1.373859	1.422231	1.389995	0.915275	0.833554	7.223676	7.17604	7.194377	7.939058	7.967091	7.875696	7.825503	7.892661	7.886431
SLC27A1	ENSG00000130304	0.519994	3.165103	2.875937	0.010271	0.018068	-3.54567	3.701161	3.638208	3.764544	3.766043	3.656958	3.405543	3.80164	3.605944	3.437684	2.722179	2.753956	2.546206	3.532792	3.759216	3.68641	2.75746	2.755911	2.687355
NSUN5	ENSG00000130305	-0.90476	6.375173	-6.64382	3.60E-06	1.65E-05	3.833447	7.213452	7.141537	7.26967	5.790912	5.803491	5.608136	6.564183	6.58319	6.566582	6.4353	6.430163	6.528588	6.120151	6.052395	6.034784	6.448982	6.301236	6.198027
COLGALT1	ENSG00000130309	0.000751	7.013461	0.018532	0.985424	0.98786	-7.82344	7.226645	7.225969	7.249069	7.326274	7.314886	7.327447	7.77773	7.754166	7.754925	6.551455	6.507749	6.563508	6.465212	6.475248	6.412847	6.818775	6.894213	6.814573
DDA1	ENSG00000130311	-0.8933	5.620541	-5.30008	5.36E-05	0.000172	1.172862	7.003381	6.978566	7.015332	5.464331	5.53638	5.513197	5.817858	5.730749	5.809985	5.389369	5.29248	5.440499	5.111351	5.203748	5.097852	5.177758	5.104049	5.070394
MRPL34	ENSG00000130312	0.779653	4.8158	9.046527	5.22E-08	4.60E-07	8.431757	4.957532	4.984658	4.925655	5.608898	5.757614	5.547605	5.193472	5.155666	5.179186	3.792275	4.092415	4.178935	4.753268	4.901075	4.94134	4.829736	4.455636	4.433851
PGLS	ENSG00000130313	0.270009	5.2043	3.102745	0.006306	0.011719	-3.5494	5.544295	5.504468	5.613091	5.59472	5.745129	5.590242	5.440037	5.210752	5.44755	4.748949	4.57733	4.864598	5.284162	5.087991	5.103047	5.170659	4.959278	4.930673
LSM7	ENSG00000130332	-0.25076	5.248615	-2.40883	0.027286	0.043215	-4.98323	5.474121	5.493717	5.514348	4.809518	4.944587	4.78306	5.286782	5.183472	5.261087	5.215784	5.368161	5.593562	5.375589	5.421557	5.507395	5.465685	5.348921	5.133766
TULP4	ENSG00000130338	0.288528	4.616193	4.296755	0.000461	0.00114	-0.87304	4.461995	4.446492	4.579961	4.753186	4.928114	4.809079	4.629578	4.734864	4.578115	4.663802	4.839847	4.491347	4.905394	4.919664	4.842308	4.446571	4.538664	4.602629
SNX9	ENSG00000130340	0.110745	5.807329	1.661721	0.114399	0.155091	-6.30593	6.568285	6.443236	6.427097	6.500859	6.4692	6.455483	6.447785	6.431054	6.395797	5.082702	4.981528	5.022459	5.418375	5.260752	5.121083	5.319295	5.382432	5.329918
RTN4IP1	ENSG00000130347	-0.62137	3.09921	-4.9066	0.000123	0.000356	0.894727	4.369865	4.366251	4.388298	3.392671	3.683372	3.689474	3.879385	3.999201	4.021828	3.013555	2.804649	2.546206	2.683738	2.467968	2.365487	2.744769	2.410923	2.350536
QRSL1	ENSG00000130348	0.218633	4.683115	4.003926	0.000876	0.002017	-1.48481	4.871956	4.893538	4.874926	5.05192	5.244245	5.122998	5.115291	5.048863	5.202407	4.337085	4.292151	4.408771	4.470601	4.612034	4.456413	4.398766	4.386537	4.562249
MTRES1	ENSG00000130349	0.116576	3.604602	1.312111	0.206455	0.260225	-6.40667	3.903656	3.759847	3.819232	3.591402	3.683372	3.936085	3.33403	3.633086	3.572114	3.552807	3.70241	3.824415	3.942308	3.976023	3.880413	3.439417	3.835933	3.631427
RSPH3	ENSG00000130363	0.459889	4.013894	8.178788	2.21E-07	1.52E-06	6.974682	3.520128	3.428416	3.371944	3.933121	3.945887	3.666886	3.277716	3.318907	3.289427	4.447347	4.525382	4.662859	4.964332	4.950123	5.097852	4.526597	4.580516	4.510131
MLLT1	ENSG00000130382	0.717606	6.059093	4.464367	0.00032	0.000828	-0.72161	5.471352	5.597782	5.517107	6.860671	7.03234	6.83181	6.362363	6.260962	6.229433	5.853955	5.855181	5.965409	6.117038	5.986328	5.903984	6.010007	5.814676	5.811178
AFDN	ENSG00000130396	0.551876	6.601375	8.510618	1.26E-07	9.51E-07	7.239768	5.786261	5.796758	5.835003	6.655706	6.552164	6.676523	5.994216	6.030322	5.912107	7.090675	7.032559	7.002501	7.393879	7.365025	7.433908	6.836079	6.913171	6.814573
ACTN4	ENSG00000130402	-0.11853	9.30108	-0.80158	0.43356	0.498169	-7.68522	9.644693	9.619167	9.70164	8.872814	9.030183	8.865605	9.094896	8.916468	9.046142	9.203815	9.110252	9.246503	9.682306	9.581252	9.578881	9.439014	9.438263	9.390875
STK33	ENSG00000130413	-0.66334	1.477576	-3.4231	0.003138	0.006261	-2.04372	2.27083	2.425906	2.138168	1.933905	1.006428	1.250575	1.966276	1.988058	1.962896	1.964162	2.032826	2.272125	1.797417	1.897007	2.058312	2.075685	1.981819	2.091498
NDUFA10	ENSG00000130414	-0.18117	7.004805	-2.60351	0.018259	0.030156	-4.82006	7.456798	7.485375	7.501928	7.096538	7.05654	7.06886	7.24566	7.302434	7.279252	6.840465	6.803266	6.845941	6.894152	6.828323	6.867489	6.601945	6.53525	6.589464
ARPC1B	ENSG00000130429	0.806116	6.818493	14.00056	6.20E-11	2.30E-09	15.16185	6.962565	7.016614	7.046228	7.897217	8.051328	7.856508	7.726057	7.635034	7.779065	5.740714	5.701482	5.843749	6.420449	6.39449	6.417024	6.235393	6.12437	6.159635
CACNG6	ENSG00000130433	-0.26567	-1.00232	-0.56189	0.581325	0.639121	-6.04903	2.296082	2.403106	2.621113	2.255624	1.909591	2.029614	3.705302	3.659726	4.00079	0.106501	0.185134	0.106501	0.106501	0.190544	0.186984	0.106501	0.106501	0.106501
ZSWIM6	ENSG00000130449	0.369515	4.799227	2.709646	0.014617	0.024772	-4.24943	4.888652	4.843609	4.892035	5.525403	5.379635	5.54451	5.687041	5.557409	5.646906	4.553726	4.407337	4.415294	4.444342	4.585115	4.523816	4.298124	4.123255	4.087723
FCHO1	ENSG00000130475	-0.55402	3.47508	-3.73998	0.001565	0.00337	-1.97149	3.662849	3.82133	3.792147	2.48816	2.57804	2.374422	2.102195	2.357042	2.440135	4.509673	4.602618	4.714017	4.352013	4.372183	4.265755	4.382472	4.386537	4.229846
UNC13A	ENSG00000130477	-0.25102	-0.22317	-0.89554	0.382668	0.447335	-5.80395	2.649532	2.655462	2.848472	2.633943	2.366112	2.557474	2.226405	2.389238	2.530983	0.190076	0.259702	0.34382	0.171976	0.26996	0.263213	0.393424	0.19538	0.409347
MAP1S	ENSG00000130479	1.081253	4.337625	14.03552	5.96E-11	2.23E-09	15.38936	3.672523	3.628412	3.638424	4.464421	4.70778	4.679672	4.622059	4.357565	4.585199	3.629659	3.930661	4.124247	5.014278	4.979952	4.891173	4.934035	4.854006	4.744721
NA	ENSG00000130489	-0.0891	4.544223	-1.24389	0.229966	0.286287	-6.64266	5.184082	5.022548	5.11242	4.96641	5.185395	5.139498	5.104539	4.911516	5.021009	4.161861	4.127684	4.362268	4.089359	4.022628	4.062102	4.340914	4.167865	4.007286
PXDN	ENSG00000130508	1.035981	-0.0026	3.45799	0.002907	0.005852	-1.65793	1.430644	1.508929	1.744977	2.063099	2.155834	2.557474	2.058296	2.147141	1.962896	0.415169	0.259702	0.230035	0.407676	0.7293	0.470356	0.63264	0.69947	0.999041
SSBP4	ENSG00000130511	0.836439	4.922149	6.570517	4.15E-06	1.86E-05	3.912054	4.933595	5.033724	5.248163	6.007062	6.285268	6.024845	5.157514	4.981823	5.082376	3.968304	4.296585	4.385707	4.798023	4.872735	4.769032	4.681127	4.683969	4.335451
GDF15	ENSG00000130513	-2.67161	6.242035	-22.5233	2.34E-14	9.52E-12	23.17839	9.293232	9.368254	9.527488	6.730558	6.892168	6.618851	8.120259	7.945621	8.092915	5.625347	5.557418	5.847371	3.013417	3.04352	3.157218	5.052051	4.83684	4.531205
PGPEP1	ENSG00000130517	0.554853	3.319736	5.983218	1.32E-05	5.06E-05	2.992901	2.9807	2.784561	2.794903	3.605613	3.31232	3.655458	3.238915	3.285084	3.513908	3.45483	3.654848	3.406715	3.90909	3.858903	3.951255	3.603046	3.503143	3.881648
IQCN	ENSG00000130518	-0.3286	-0.03339	-0.79174	0.439129	0.503624	-6.2611	1.681202	1.508929	1.202741	0.395333	0.512209	0.2349	0.670238	0.509405	0.106501	1.586365	1.752042	1.514616	2.112949	1.766169	1.900186	1.177011	1.645686	1.170016
LSM4	ENSG00000130520	-0.59657	6.34005	-9.66957	1.96E-08	2.05E-07	9.240186	7.063438	7.05277	7.030862	6.359172	6.534135	6.44058	6.823824	6.79177	6.743221	6.028718	6.06076	6.315861	5.588386	5.603108	5.522983	6.209072	6.144042	6.157942
JUND	ENSG00000130522	0.497166	6.085224	5.08836	8.38E-05	0.000253	0.628347	6.119004	6.302485	6.351807	7.025647	6.903447	6.803615	6.119658	5.938116	6.121501	5.542307	5.754018	5.892483	5.93453	6.178667	6.12437	5.899843	5.637662	5.296461
TRPM4	ENSG00000130529	0.385663	4.554144	4.015809	0.000853	0.001969	-1.56835	3.878801	3.812706	3.871922	3.503067	3.808643	3.510758	3.523527	3.564249	3.890739	5.316853	5.29248	5.45006	5.959081	5.895341	5.912885	5.400428	5.469653	5.277879
ZNF557	ENSG00000130544	0.050167	3.184279	0.638148	0.53165	0.593115	-6.98957	2.9807	2.853456	3.029452	2.887595	3.132285	3.27721	3.178682	3.043491	2.798137	3.818776	3.576789	3.759253	3.809739	3.637228	3.665494	3.552967	3.554448	3.641153
CRB3	ENSG00000130545	0.877075	1.036076	7.381595	9.05E-07	5.02E-06	5.797846	0.216396	0.582935	0.679585	0.635873	0.92021	0.563119	0.415731	0.509405	0.39151	3.367773	3.055486	3.164958	3.993008	4.062207	3.922159	3.501087	3.494411	3.202807
OLFM1	ENSG00000130558	0.90517	-1.13165	3.652566	0.001896	0.004014	-1.23949	1.959273	2.232543	2.109199	2.548252	2.787348	2.784269	2.779728	2.650616	2.869505	0.106501	0.106501	0.106501	0.171976	0.190544	0.186984	0.106501	0.106501	0.106501
CAMSAP1	ENSG00000130559	0.072236	6.410943	1.559907	0.136705	0.181456	-6.59446	5.960231	6.111769	6.212339	6.009737	6.216843	6.328116	6.302469	6.263136	6.256309	6.65344	6.590431	6.586086	6.692082	6.612021	6.682936	6.754548	6.735625	6.747502
UBAC1	ENSG00000130560	-0.0584	5.799201	-1.35255	0.193441	0.245705	-6.79773	5.827977	5.850414	5.819438	5.737065	5.72937	5.646163	5.668911	5.592401	5.725949	5.90895	5.859683	5.908753	5.899924	5.889066	5.88752	5.979187	5.958108	5.975866
ZBTB46	ENSG00000130584	0.410825	1.102198	2.260274	0.036831	0.056529	-4.46357	1.384302	1.508929	1.256574	1.182548	1.006428	1.367251	0.782422	1.001115	0.735084	2.18395	1.851833	2.34226	2.892375	2.686334	2.34809	2.283004	2.33471	2.226823
HELZ2	ENSG00000130589	0.278496	5.657155	2.474078	0.023873	0.038429	-4.97766	4.569455	4.34846	4.720675	4.660937	4.877535	4.586466	4.321396	4.256466	4.207726	6.389627	6.699096	6.649702	6.955868	6.853517	6.891706	7.275001	7.304526	6.983681
SAMD10	ENSG00000130590	-0.20676	4.176006	-2.5605	0.019969	0.03273	-4.54014	4.044416	4.058659	4.153091	3.674639	3.683372	3.485165	3.405851	3.535768	3.557782	4.759247	4.818421	4.885889	4.86884	4.693507	4.663983	4.820694	4.822959	4.793504
H19	ENSG00000130600	-0.54583	1.27225	-1.75434	0.096888	0.134095	-5.13913	2.080492	1.883052	2.079636	0.52061	1.087782	0.830331	2.26554	1.809233	2.309357	1.76051	1.827525	1.413989	1.755315	1.946191	1.876113	2.679583	2.696248	2.528753
COL5A1	ENSG00000130635	2.673563	-0.71499	4.088673	0.000727	0.001707	-0.35204	1.791852	1.420874	1.78216	4.525489	4.462952	4.315882	2.412257	2.481727	2.165532	0.106501	0.106501	0.288049	0.106501	0.106501	0.186984	0.183756	0.2791	0.214669
ATXN10	ENSG00000130638	0.088788	6.533853	1.540916	0.141247	0.186656	-6.62112	6.995695	7.022236	6.96367	6.900119	6.887915	6.99144	6.57201	6.627726	6.646641	6.20983	6.129481	6.198812	6.403511	6.369917	6.479275	6.203286	6.12437	6.179793
TUBGCP2	ENSG00000130640	-0.05087	6.344107	-1.09353	0.289002	0.35035	-7.15294	6.75287	6.740145	6.774821	6.521617	6.687183	6.700353	6.782263	6.542613	6.671815	5.991347	6.014403	6.02633	6.05331	6.056601	5.970866	6.108643	6.084202	6.052569
CYP2E1	ENSG00000130649	0.885979	0.707629	3.580931	0.002219	0.004613	-1.51416	1.561356	1.591918	1.888281	2.291228	2.299368	2.581827	2.186178	2.451551	2.34318	0.7264	0.848253	0.846782	1.308151	0.986036	1.129895	0.686723	1.206659	0.497646
PNPLA7	ENSG00000130653	1.111151	0.360475	5.426806	4.12E-05	0.000136	2.284085	0.814199	0.8079	0.756332	1.256461	1.006428	1.310092	0.886508	1.231675	1.171446	1.239286	1.152172	1.248523	2.193986	1.622273	2.220059	1.13872	1.289746	1.115245
PAK4	ENSG00000130669	-0.14864	6.187678	-1.36486	0.189612	0.241517	-6.85028	5.973987	5.994648	6.102711	5.338099	5.593209	5.30954	5.722633	5.492201	5.667077	6.503253	6.575912	6.81606	6.783947	6.825039	6.71891	6.899715	6.844408	6.610656
ZNF337	ENSG00000130684	-0.44102	4.998092	-4.55857	0.000261	0.00069	-0.3656	5.493352	5.424646	5.452263	4.654117	4.600983	4.71863	4.772276	4.933517	4.84333	5.205778	5.226618	5.049965	4.971246	5.01783	4.981384	5.064871	5.1548	5.239981
CEP85	ENSG00000130695	-1.41641	5.429686	-11.5571	1.30E-09	2.31E-08	12.156	5.836608	5.96187	5.812715	4.99368	4.955466	5.135391	5.784566	5.851216	5.609178	6.134034	6.130724	6.135041	4.417596	4.317159	4.302347	5.742772	5.623718	5.671054
TAF4	ENSG00000130699	-0.20436	5.128262	-3.64097	0.001945	0.004105	-2.41366	4.888652	5.011285	5.079193	4.707799	4.813207	4.668345	4.914487	5.018308	5.072328	5.380501	5.479606	5.592123	5.413307	5.226323	5.33267	5.586184	5.380064	5.515842
RBBP8NL	ENSG00000130701	0.81905	-0.42848	5.345153	4.88E-05	0.000158	1.862557	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.749986	2.877496	2.806521	3.646572	3.659519	3.563664	3.298901	3.404065	2.990979
LAMA5	ENSG00000130702	0.003664	9.552164	0.042676	0.966443	0.972245	-7.99898	10.43987	10.4601	10.72999	10.26041	10.47812	10.47459	10.41069	10.26087	10.45617	8.374549	8.618916	8.535319	8.776794	8.59091	8.657498	8.913684	8.834235	8.709432
OSBPL2	ENSG00000130703	0.153121	5.494638	3.875399	0.001162	0.002578	-1.98431	5.038315	4.937835	5.022058	5.20443	5.166794	5.080903	5.066264	5.068879	4.860948	5.981118	5.941242	6.004866	6.10661	6.170929	6.102489	5.909826	5.87814	5.983532
ADRM1	ENSG00000130706	-0.24324	7.800801	-4.30725	0.000451	0.001118	-1.24644	7.768384	7.781185	7.889312	7.434719	7.683722	7.475326	7.710187	7.588995	7.775199	7.912684	7.930028	8.183821	7.86922	7.76434	7.776769	8.057753	8.051016	7.882849
ASS1	ENSG00000130707	0.742166	7.666399	4.596588	0.00024	0.000642	-0.56879	7.406963	7.381315	7.339931	8.709301	8.773197	8.774452	8.47564	8.457897	8.492469	7.013909	6.868756	6.967979	7.027265	6.982155	7.047349	7.500764	7.43744	7.485438
EXOSC2	ENSG00000130713	-0.4549	6.256469	-10.1752	9.14E-09	1.10E-07	10.00976	6.323181	6.367232	6.311046	5.71757	5.876854	5.804577	6.127646	6.15961	6.101877	6.610477	6.555707	6.57229	6.186014	6.214238	6.189309	6.674001	6.543738	6.636412
POMT1	ENSG00000130714	0.291293	4.870789	2.489115	0.023146	0.037347	-4.70302	5.288426	5.466485	5.494882	5.307999	5.442845	5.481188	5.502797	5.466025	5.657027	4.103779	4.305413	4.238998	4.883573	4.824228	4.712374	4.156784	4.167865	4.157149
UCK1	ENSG00000130717	-0.07137	5.704572	-1.62792	0.121433	0.163832	-6.41608	5.220808	5.300601	5.335175	5.05192	5.36339	5.143594	5.333571	5.481041	5.338588	6.147165	6.160221	6.228745	6.143802	6.135585	6.097293	6.273444	6.270882	6.191423
FIBCD1	ENSG00000130720	-0.51366	3.571521	-4.71603	0.000186	0.000511	0.188788	2.90065	3.07157	3.06005	2.887595	3.053471	2.697781	2.607661	3.232814	2.869505	4.509673	4.540416	4.621149	4.01993	3.952144	4.002193	5.044304	4.946531	4.802199
NA	ENSG00000130723	-0.19122	8.179366	-3.08986	0.006484	0.012016	-3.93996	7.924293	7.932648	8.017622	7.942004	7.91517	7.963479	7.43779	7.364481	7.362008	8.883801	8.883098	8.802111	8.576768	8.450423	8.556976	8.458841	8.45927	8.395344
CHMP2A	ENSG00000130724	0.308601	6.985432	5.821257	1.83E-05	6.67E-05	2.073271	6.75173	6.843256	6.731518	6.863631	6.92159	6.893911	6.657248	6.595316	6.660121	7.080444	6.951927	7.138805	7.489679	7.556845	7.498902	7.144003	7.093817	7.079782
UBE2M	ENSG00000130725	-0.44178	6.70243	-10.0366	1.12E-08	1.30E-07	9.756819	6.634125	6.802456	6.820217	6.346536	6.377132	6.315464	6.700729	6.562162	6.678454	6.985681	6.988016	7.056701	6.52203	6.617725	6.518684	7.070898	6.993597	6.913188
TRIM28	ENSG00000130726	-0.3816	9.060726	-10.0861	1.04E-08	1.22E-07	9.67559	9.074676	9.019584	9.09647	8.549878	8.661788	8.597276	8.876084	8.797429	8.840242	9.413681	9.353635	9.444932	9.129868	9.056304	9.090605	9.410044	9.372183	9.359554
METTL26	ENSG00000130731	-0.22671	5.770395	-2.32817	0.032137	0.050036	-5.22333	6.106569	6.19044	6.156798	5.657452	5.521816	5.484421	5.494585	5.564476	5.566863	5.786747	5.731269	5.964298	5.909553	5.866886	5.918789	5.878217	5.804117	5.756303
YIPF2	ENSG00000130733	0.562427	5.541299	11.32902	1.77E-09	2.91E-08	11.76824	4.659767	4.852052	4.887776	5.392386	5.450555	5.25	5.157514	5.088621	5.207006	5.786747	5.667648	5.800804	6.379459	6.274453	6.231428	6.171633	6.108723	5.985442
ATG4D	ENSG00000130734	-0.43374	4.271623	-5.34578	4.88E-05	0.000158	1.551284	4.679091	4.719916	4.681852	4.161901	4.558804	4.293939	5.071794	4.87219	5.165072	4.156676	4.228596	4.083875	3.719554	3.599295	3.734067	4.298124	4.07722	4.21038
EIF2S3	ENSG00000130741	0.197551	8.56188	5.495245	3.57E-05	0.00012	1.296069	8.669004	8.622529	8.589648	8.79046	8.718767	8.757849	8.918137	8.97631	8.969034	8.226225	8.145377	8.093421	8.393121	8.428146	8.427081	8.441496	8.460671	8.558836
TMEM160	ENSG00000130748	0.958002	1.831707	4.661087	0.000209	0.000567	0.548599	1.475543	2.039077	2.018628	2.255624	2.660129	2.288255	1.917967	2.220554	2.588518	1.490718	1.699433	2.136592	2.371704	2.824271	2.76998	2.831347	2.233409	2.091498
ZC3H4	ENSG00000130749	-0.25487	5.273112	-3.3685	0.003536	0.00696	-3.01782	5.549554	5.413282	5.372225	5.161789	4.764552	4.859751	5.310366	5.327507	5.261087	5.371579	5.465891	5.478369	5.401413	5.393017	5.337086	5.390277	5.408227	5.341895
NPAS1	ENSG00000130751	0.106708	0.225115	0.480262	0.636997	0.689628	-6.31639	1.642349	1.591918	1.453818	0.934951	1.307481	1.526279	0.983587	0.824004	1.0941	0.834246	1.112482	0.921995	1.186687	1.282615	1.390007	0.930351	0.924142	0.93723
MAP3K10	ENSG00000130758	-0.39759	3.509979	-4.41655	0.000355	0.000907	-0.32421	4.036946	4.15733	4.294909	3.714523	3.844198	3.797394	3.602068	3.550079	3.733845	3.599408	3.439177	3.636224	3.213258	3.263212	3.177059	3.43152	3.587665	3.410407
ARHGEF16	ENSG00000130762	-0.36122	3.957127	-1.95926	0.066231	0.095614	-5.60587	4.416666	4.406929	4.424025	2.955742	3.574682	3.119801	3.072345	2.801791	3.143496	4.553726	4.494836	4.60982	4.589193	4.642195	4.484549	4.619897	4.49993	4.7174
LRRC47	ENSG00000130764	-0.20431	6.621879	-2.90768	0.009597	0.017023	-4.18212	6.685193	6.73102	6.669617	6.142369	6.243717	6.192364	6.44139	6.333079	6.466555	6.801133	6.807933	6.903328	6.88014	6.859146	6.855996	6.860548	6.832333	6.763173
SESN2	ENSG00000130766	-0.52683	5.134076	-4.0939	0.000719	0.001688	-1.32466	6.516856	6.276063	6.401937	5.580401	5.53638	5.438487	6.116986	5.9217	6.09693	4.373294	4.517806	4.421787	4.477091	4.442428	4.364231	4.394709	4.247965	4.177341
SMPDL3B	ENSG00000130768	0.652395	3.160332	8.247931	1.96E-07	1.38E-06	7.059899	0.947665	1.327092	0.898566	1.688986	1.864131	1.757653	1.762502	1.988058	1.314712	5.213289	5.285805	5.329196	5.913148	5.881184	5.822871	5.541021	5.566553	5.362617
ATP5IF1	ENSG00000130770	0.103073	6.090865	1.522568	0.145754	0.191829	-6.60624	5.832299	5.932317	5.874275	6.252583	6.276619	6.154304	5.958837	5.991525	5.975483	6.103374	6.205726	6.296559	6.064129	6.146148	6.1597	6.295367	6.277259	6.23221
MED18	ENSG00000130772	-0.39339	4.395243	-5.71258	2.28E-05	8.09E-05	2.232365	4.905158	5.063109	4.892035	4.495279	4.43213	4.337497	4.4712	4.332946	4.420702	4.505601	4.423646	4.692697	4.344933	4.255082	4.279586	4.258497	4.211138	4.058989
THEMIS2	ENSG00000130775	0.1043	1.534008	1.381929	0.184402	0.235724	-6.43689	0.318509	0.316291	0.421314	0.395333	0.512209	0.3528	0.415731	0.726566	0.256032	4.851979	4.839847	4.92755	5.014278	4.976997	4.897167	4.817667	5.006099	4.75819
CLIP1	ENSG00000130779	-0.44298	7.869686	-4.85829	0.000137	0.000389	-0.0176	9.016994	8.980171	9.018279	8.153856	8.271343	8.252276	8.473553	8.482822	8.423002	7.282575	7.283821	7.283529	7.247323	7.132487	7.247685	7.040067	7.112482	7.081569
HIP1R	ENSG00000130787	0.4604	5.769082	9.319898	3.38E-08	3.20E-07	8.660814	5.096964	4.988492	5.052811	5.329563	5.34696	5.227023	4.504297	4.540708	4.578115	6.522526	6.515378	6.64901	7.193159	7.040646	7.10739	6.259014	6.239876	6.237028
ZNF317	ENSG00000130803	0.08433	5.520249	1.521444	0.146034	0.192127	-6.51902	5.672757	5.567343	5.56856	5.543969	5.462043	5.599217	5.620676	5.581992	5.584645	5.495847	5.473744	5.427652	5.628298	5.648392	5.706532	5.348947	5.576928	5.437082
PPAN	ENSG00000130810	-0.35927	1.848318	-2.26434	0.036533	0.056108	-4.3908	2.416107	2.425906	2.681399	2.577385	2.460774	2.064596	2.637802	2.511284	2.616448	2.01088	2.174476	2.30059	1.473091	2.039797	1.923865	1.903678	2.101639	1.739782
EIF3G	ENSG00000130811	-0.17643	7.307902	-2.22175	0.03977	0.060536	-5.58776	7.412024	7.43006	7.423202	6.866584	6.978695	6.973145	7.163872	7.140453	7.280343	7.452978	7.415534	7.553057	7.588906	7.553873	7.516043	7.383878	7.328672	7.25151
SHFL	ENSG00000130813	-0.16069	4.030743	-1.81451	0.086802	0.121625	-5.82361	3.903656	3.888531	4.07284	3.376187	3.546181	3.535905	3.690999	3.646467	3.586306	4.332495	4.616873	4.488257	4.568067	4.390067	4.440084	4.746244	4.637141	4.762652
DNMT1	ENSG00000130816	-0.21993	6.825668	-3.79824	0.001377	0.003	-2.28989	6.282699	6.193765	6.333137	6.152084	6.348532	6.265599	6.725501	6.60563	6.711201	7.389755	7.321298	7.378799	7.073509	6.936486	6.989618	7.461068	7.463956	7.477996
ZNF426	ENSG00000130818	-0.18989	3.856575	-2.31881	0.032749	0.0509	-4.85122	3.999005	4.136747	4.124423	3.955484	3.643567	3.765857	3.788265	3.913244	4.198517	3.991785	4.242453	3.968865	3.965575	3.903166	4.013272	3.749992	3.890192	3.969186
SLC6A8	ENSG00000130821	0.541167	4.812123	2.845221	0.010967	0.019163	-3.64247	7.159438	7.168826	7.132437	7.80709	7.84451	7.825613	7.320739	7.26171	7.272685	2.427256	2.632935	2.30059	2.300295	2.288901	2.036756	2.946659	2.813204	2.863849
DKC1	ENSG00000130826	-0.49934	8.206844	-12.2371	5.30E-10	1.14E-08	12.82626	8.412156	8.416329	8.351843	7.888526	7.983859	7.969837	8.148666	8.170688	8.193107	8.469859	8.439828	8.447557	7.910569	7.896509	7.925663	8.408685	8.358226	8.42309
PLXNA3	ENSG00000130827	0.219697	5.600895	2.710009	0.014605	0.024756	-4.48417	5.135946	5.10962	5.274496	4.869634	4.982309	5.063714	5.055139	4.928048	5.041756	6.002949	6.123254	5.945268	6.479022	6.418651	6.460172	6.248938	6.145437	6.125399
DUSP9	ENSG00000130829	-0.6952	0.539561	-3.21928	0.004896	0.009332	-2.29764	1.286899	1.420874	1.585853	0.934951	1.164793	1.475193	1.074544	1.301009	1.38134	1.239286	1.725977	1.49011	1.018891	1.032323	0.910419	1.809319	1.766644	1.370407
MPP1	ENSG00000130830	-0.69903	4.044184	-2.99557	0.007947	0.014377	-3.51106	4.433832	4.223893	4.1812	4.759555	4.408574	4.473866	4.411387	4.373746	4.355908	4.692747	4.566354	4.737631	3.221013	3.141796	3.263113	3.799922	3.698248	3.753014
ZNF331	ENSG00000130844	-0.40427	2.757989	-3.21126	0.004983	0.009467	-3.14079	1.235614	1.118985	1.30847	1.74141	1.909591	1.757653	1.70672	1.231675	0.925731	5.079966	5.092794	4.828401	4.47385	4.425185	4.554478	4.947942	5.092525	5.21089
ZNF236	ENSG00000130856	-0.29477	3.692329	-3.58841	0.002183	0.004546	-2.1377	4.302931	4.446492	4.43574	3.988393	3.99943	4.096805	4.31208	4.09991	4.436456	3.536933	3.633975	3.305013	3.303673	3.243672	3.344321	3.455083	3.413359	3.215882
LRP3	ENSG00000130881	0.80575	0.830218	2.515585	0.021916	0.035564	-3.56333	3.999005	4.12286	4.288462	4.797189	5.079986	4.78306	4.225415	4.09991	4.032233	0.106501	0.259702	0.449284	0.352262	0.416769	0.335616	0.183756	0.2791	0.315289
C12orf65	ENSG00000130921	-0.65817	3.549875	-7.53082	6.91E-07	4.00E-06	6.032478	4.702888	4.710662	4.676925	3.977507	4.318753	4.079806	3.941119	4.050434	4.189248	3.420635	3.365114	3.38694	2.738794	2.824271	2.716753	3.123735	2.972579	3.162857
NOL11	ENSG00000130935	-0.44409	7.041976	-15.8251	8.46E-12	5.64E-10	17.16549	6.66474	6.60931	6.612701	6.137487	6.205497	6.172458	6.57201	6.624348	6.622742	7.8454	7.780554	7.783225	7.379659	7.360496	7.375002	7.752101	7.728319	7.750962
UBE4B	ENSG00000130939	0.18762	5.900593	3.483854	0.002746	0.005571	-2.87717	5.738706	5.809819	5.794633	6.115311	6.076905	6.21978	5.712047	5.567996	5.709835	6.025878	6.099342	5.990742	6.133567	6.070531	6.06038	5.800633	5.814676	5.91904
CASZ1	ENSG00000130940	0.694463	1.428235	3.580038	0.002224	0.004618	-1.72272	1.894617	1.465573	2.274882	2.021307	1.817192	1.919272	1.70672	1.760835	2.087859	1.76051	1.644832	1.653508	2.579013	2.549802	2.365487	1.708352	1.67689	1.504318
HABP4	ENSG00000130956	0.449862	4.764358	3.952987	0.00098	0.002225	-1.71171	4.615318	4.677795	4.504099	4.605448	4.284653	4.531264	4.205428	4.332946	3.979442	5.035466	5.064472	5.172459	5.842013	5.808237	5.803856	4.811595	4.867593	4.646745
SLC35D2	ENSG00000130958	0.555162	5.500976	3.272307	0.004362	0.008416	-3.28748	5.38573	5.444322	5.319453	5.227586	5.094821	5.171943	5.338168	5.289629	5.269907	5.532334	5.294698	5.549768	6.519674	6.489835	6.489229	5.486798	5.292118	5.431488
PRRG1	ENSG00000130962	0.328473	3.749122	2.76123	0.013108	0.022475	-3.82423	4.206344	4.256058	4.222364	4.720913	4.594038	4.76722	5.077304	5.07384	5.102264	2.894025	3.146729	3.026968	3.125084	2.938056	3.085545	2.979529	3.297679	3.241681
UBA1	ENSG00000130985	0.168532	8.908142	4.529509	0.000278	0.00073	-0.81587	9.321752	9.295258	9.342868	9.591968	9.581939	9.538467	9.220954	9.176951	9.158453	8.492927	8.426993	8.483693	8.595159	8.504786	8.557922	8.394028	8.385044	8.336328
TXLNGY	ENSG00000131002	-0.13722	4.572644	-1.47609	0.157708	0.205643	-6.39492	4.871956	4.949684	4.98267	4.701197	4.439897	4.72411	4.6145	4.819999	4.90124	4.73162	4.613322	4.434686	4.583188	4.476309	4.695277	4.156784	4.205799	4.525965
PPIL4	ENSG00000131013	-0.33764	4.576764	-5.29339	5.44E-05	0.000174	1.281435	4.543331	4.490417	4.464617	3.988393	3.923901	4.088331	4.348988	4.569092	4.444269	5.109782	5.118067	5.147212	4.856446	4.879081	4.912042	4.888608	4.83684	4.910709
ULBP2	ENSG00000131015	-0.07358	3.500099	-0.51049	0.616092	0.671333	-7.06747	3.114469	2.853456	2.865896	3.376187	3.441741	3.391835	4.079318	3.89093	4.093134	3.93235	3.942027	3.81458	3.532792	3.552417	3.462206	4.078031	3.896833	4.051715
AKAP12	ENSG00000131016	0.259673	7.218594	3.183642	0.005291	0.010005	-3.65168	7.544358	7.534064	7.508183	7.456444	7.489702	7.572708	7.1245	7.078863	7.05907	6.916817	6.901874	6.794956	7.393451	7.363328	7.406857	6.988517	6.976456	7.007373
SYNE1	ENSG00000131018	-0.51696	3.92743	-2.8811	0.010158	0.0179	-3.71258	5.015692	5.102561	5.116065	3.851999	3.99943	4.146631	4.321396	4.405576	4.243986	3.695491	3.842432	3.48321	3.725018	3.67419	3.951255	3.644629	3.104657	3.215882
ULBP3	ENSG00000131019	-0.05664	2.024087	-0.29613	0.770621	0.809579	-6.88351	1.384302	1.420874	1.256574	2.21912	2.03796	2.196611	2.340763	1.809233	1.873138	3.236329	2.900983	3.109727	2.51737	2.714997	2.821313	3.083983	3.225651	2.880366
LATS1	ENSG00000131023	-0.13651	5.463569	-2.43359	0.02594	0.041374	-4.94977	5.658224	5.602793	5.56323	5.569568	5.351085	5.605169	5.821145	5.746369	5.800886	5.458414	5.485444	5.354871	5.164598	5.277664	5.354615	5.382106	5.329416	5.425873
EPS8L1	ENSG00000131037	0.006697	4.02809	0.073056	0.942591	0.953097	-7.63905	2.815895	2.49222	2.579475	1.978268	2.366112	1.840725	1.816207	1.809233	1.777424	6.116785	6.370422	6.388101	6.352354	6.348353	6.424306	6.294279	6.37325	6.059839
AAR2	ENSG00000131043	0.182971	6.271371	3.253089	0.004549	0.008733	-3.40732	6.274782	6.192103	6.215741	6.166534	6.254768	6.304531	6.419869	6.411592	6.37551	6.140615	6.210434	6.104087	6.51495	6.438123	6.42845	6.251183	6.273436	6.254557
RBM39	ENSG00000131051	0.113581	7.879719	1.768214	0.094475	0.131138	-6.38612	7.994426	7.967546	8.022486	8.330011	8.269165	8.325761	8.3769	8.498126	8.460081	7.564352	7.567748	7.491502	7.456806	7.420463	7.478561	7.533876	7.595821	7.599573
ZNF341	ENSG00000131061	0.179986	3.04019	1.122416	0.276868	0.337421	-6.51824	3.056542	3.248262	3.39613	2.688367	2.660129	2.629332	2.858632	3.232814	2.869505	3.255856	3.313538	3.419749	3.983922	3.745389	3.843644	3.407564	3.215061	3.079476
GGT7	ENSG00000131067	0.975762	4.693362	13.25895	1.49E-10	4.41E-09	14.40969	4.036946	4.136747	4.095173	4.999073	4.905853	4.960699	4.637058	4.365678	4.45204	4.557665	4.729387	4.706059	5.699414	5.635331	5.61313	4.657623	4.762428	4.602629

ACSS2	ENSG00000131069	-0.51416	4.716265	-4.30858	0.000449	0.001115	-0.77094	5.528401	5.538865	5.486458	4.681208	4.782991	4.844735	5.784566	5.746369	5.806958	4.281009	4.265255	4.362268	4.068019	4.028349	4.194539	4.171084	4.258317	4.170642
EDA2R	ENSG00000131080	-0.31021	0.525044	-2.00624	0.06056	0.08834	-4.47525	6.310846	6.218461	6.235982	5.974582	5.868245	5.968239	6.048517	6.133713	6.094449	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ARHGEF9	ENSG00000131089	0.003277	2.591859	0.029562	0.976751	0.980538	-6.68563	4.659767	4.847837	4.808898	4.839889	4.789085	4.679672	5.300979	5.188055	5.18386	1.239286	1.112482	1.027938	1.121891	1.2438	1.08859	1.320757	1.2488	1.370407
C1QL1	ENSG00000131094	1.458084	1.312588	3.320964	0.003923	0.007651	-2.09237	2.568952	2.513665	2.758051	4.254996	4.485643	4.467345	3.388228	2.623806	3.306673	0.7264	0.748206	0.921995	0.46104	0.550009	0.862212	0.974502	0.871168	1.115245
ATP6V1E1	ENSG00000131100	0.250165	7.171433	4.411712	0.000359	0.000915	-0.96163	7.427104	7.335389	7.326622	7.414682	7.418763	7.395144	7.232141	7.333791	7.306296	6.850132	6.87988	6.770999	7.246848	7.311482	7.248271	6.935057	6.953546	6.887883
ZNF227	ENSG00000131115	0.757724	4.330362	9.451151	2.75E-08	2.70E-07	9.09551	3.385444	3.222448	3.347346	3.753334	4.1009	4.170914	3.866715	4.157125	4.198517	4.505601	4.857962	4.518865	5.335073	5.350262	5.374084	5.09768	5.054421	5.11644
ZNF428	ENSG00000131116	0.368928	4.021336	4.860316	0.000136	0.000388	0.495318	4.102823	4.249682	4.345467	4.626508	4.720591	4.460795	4.111894	3.856799	4.093134	3.737768	3.942027	3.942013	4.230502	4.274468	4.139984	3.906321	3.786722	3.498643
ZNF141	ENSG00000131127	-0.31847	3.535617	-3.36097	0.003594	0.007064	-2.67335	3.454357	3.382531	3.322321	3.083078	3.31232	3.432575	3.866715	3.40015	3.543305	3.997596	4.200477	3.951019	3.663745	3.436722	3.849837	3.934535	3.986735	4.094818
COX4I1	ENSG00000131143	-0.10447	8.047438	-2.87591	0.010272	0.018068	-4.34915	8.424017	8.412409	8.366835	8.268262	8.328946	8.20112	8.374665	8.320645	8.385451	7.89489	7.768633	7.846131	7.760347	7.781803	7.744305	7.680605	7.677638	7.720897
EMC8	ENSG00000131148	-0.4908	5.862119	-7.24941	1.15E-06	6.21E-06	5.048739	6.048317	6.050734	6.111867	5.213737	5.518152	5.341983	5.824425	5.71813	5.748211	6.137986	6.136919	6.299206	5.864467	5.850833	5.906957	6.200965	6.039887	5.972018
GSE1	ENSG00000131149	-0.01957	6.248129	-0.23405	0.817665	0.848834	-7.74331	6.663528	6.636443	6.644597	6.243524	6.315137	6.297196	6.249772	6.227963	6.21352	6.06791	6.205726	6.053763	6.406915	6.397808	6.351966	5.955977	5.954929	5.934941
GINS2	ENSG00000131153	-2.18106	4.198513	-8.48331	1.32E-07	9.88E-07	7.602158	4.439509	4.412648	4.281987	3.57705	3.546181	3.632327	4.011872	3.868266	4.042563	5.483477	5.382832	5.515269	2.911671	3.193633	2.544166	5.561067	5.451724	5.494541
CHMP1A	ENSG00000131165	0.20622	7.269235	2.879364	0.010196	0.017958	-4.30186	7.040275	7.064623	7.058593	6.931482	7.070367	6.95578	7.140378	6.991116	7.03081	7.310272	7.311472	7.44285	7.828557	7.785608	7.723796	7.512978	7.426006	7.3978
SH3BGRL	ENSG00000131171	0.946982	6.065714	15.3516	1.39E-11	7.95E-10	16.74186	6.115462	6.252341	6.165618	7.147206	7.162441	7.132065	6.560254	6.558627	6.526664	5.22076	5.296913	5.304813	6.169077	6.140876	6.173346	5.198848	5.209172	5.29338
COX7B	ENSG00000131174	-0.16408	6.74834	-4.368	0.000395	0.000995	-0.99351	7.458896	7.427238	7.39947	7.317668	7.287166	7.326546	7.396517	7.390561	7.422585	6.304287	6.293754	6.259883	6.014793	6.069144	6.138353	6.084924	6.056295	6.095646
F12	ENSG00000131187	-0.13788	3.239326	-0.86831	0.396993	0.462159	-6.81725	3.262728	3.027527	3.217639	2.714828	3.242978	2.784269	3.004565	2.650616	2.981126	3.312899	3.682218	3.853525	3.557503	3.614588	3.571181	4.477583	4.304002	3.906054
PRR7	ENSG00000131188	0.74448	3.241006	3.088395	0.006505	0.012052	-3.18392	3.572735	3.335139	3.845818	4.112999	4.447623	3.818042	2.696258	2.568641	2.588518	2.37464	3.013005	3.210672	3.680716	3.614588	3.754018	3.7814	3.603991	3.241681
NFATC1	ENSG00000131196	1.221421	1.507738	5.667022	2.51E-05	8.77E-05	2.751084	2.90065	3.027527	2.883112	3.753334	3.855857	3.982555	3.050103	2.916694	3.323715	0.415169	0.799097	0.807652	1.392977	1.528499	1.722572	1.017342	0.637375	1.058313
IDO1	ENSG00000131203	0.039398	0.827889	0.979574	0.340662	0.404776	-7.06451	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.880929	5.927012	5.941884	5.96602	5.950619	5.920261	5.961472	5.888174	5.972018
CAP1	ENSG00000131236	-0.03996	8.357996	-1.05228	0.307002	0.369435	-7.40261	8.016433	7.984444	7.918827	7.833743	7.810463	7.769074	7.82598	7.825022	7.835852	8.889477	8.835515	8.877858	8.915575	8.94142	8.931619	8.763514	8.753753	8.80175
PPT1	ENSG00000131238	0.988042	8.3086	6.815053	2.60E-06	1.24E-05	4.01553	7.932368	7.989714	7.945192	9.542274	9.464289	9.520272	8.739859	8.874794	8.847625	7.756521	7.67339	7.731241	8.134949	8.106466	8.12683	7.750118	7.77187	7.73969
RAB11FIP4	ENSG00000131242	0.413976	3.063445	2.821281	0.01154	0.020056	-4.14675	2.416107	2.068355	2.194417	2.325974	2.078331	2.064596	0.782422	0.253663	0.39151	5.477252	5.436055	5.484585	5.895085	5.927843	5.926135	5.057193	5.077988	5.041309
RLIM	ENSG00000131263	-0.16709	6.787371	-4.10535	0.000701	0.001652	-1.59813	7.126384	7.088935	7.102433	6.962178	6.958559	6.980033	6.989306	7.040099	7.041151	6.694267	6.822612	6.637201	6.473351	6.529709	6.572108	6.456784	6.422408	6.521324
ABCB7	ENSG00000131269	0.153553	4.566148	2.764458	0.013019	0.022354	-4.08936	5.104131	5.181722	5.097747	5.325276	5.334513	5.291197	5.043928	5.093515	5.155586	4.167027	4.002991	4.140085	4.241981	4.116929	4.237689	4.036981	4.041704	3.779675
TRAF3	ENSG00000131323	-0.29739	6.200563	-5.25219	5.93E-05	0.000187	0.966889	6.502012	6.390602	6.534505	5.878371	6.013255	6.117296	6.362363	6.232407	6.31288	6.228481	6.183153	6.241648	6.091884	6.026902	6.089462	6.305125	6.213518	6.251386
HAUS8	ENSG00000131351	-1.44414	2.843632	-8.72509	8.82E-08	7.11E-07	8.178306	3.011517	3.169391	2.848472	2.48816	2.633282	2.374422	2.908934	3.122225	2.937508	3.772076	3.805572	3.914651	2.129525	2.398985	2.18129	3.806044	3.651889	3.856822
MRPS25	ENSG00000131368	-0.05811	5.616865	-1.23186	0.23432	0.291172	-6.91318	5.788487	5.809819	5.722344	5.554996	5.664554	5.686023	5.531176	5.659938	5.757647	5.702088	5.636504	5.565981	5.707717	5.606937	5.591116	5.516966	5.6177	5.526375
SH3BP5	ENSG00000131370	0.69912	3.496167	7.213526	1.23E-06	6.55E-06	5.38216	3.58303	3.428416	3.419917	4.072648	4.071202	3.848471	3.352323	3.40015	3.879258	3.437834	3.26005	3.432666	4.006532	4.1851	4.155068	3.236813	3.413359	3.093712
HACL1	ENSG00000131373	0.189161	4.428025	1.698435	0.107156	0.146541	-5.98998	5.111261	5.134056	5.006431	5.137544	4.939117	4.884435	5.08826	4.955186	4.989319	3.907872	3.947677	3.647349	4.283307	4.24529	4.427716	3.658228	3.903444	3.761956
TBC1D5	ENSG00000131374	-0.3494	5.998892	-8.97786	5.84E-08	5.05E-07	8.123424	6.208169	6.175382	6.156798	5.794018	5.681033	5.820014	6.124988	6.092752	6.109268	6.167928	6.195078	6.119148	5.899924	5.823124	5.879974	6.098704	6.018732	6.034234
CAPN7	ENSG00000131375	-0.05928	5.559249	-1.37373	0.18689	0.238455	-6.7031	5.722499	5.820613	5.734251	5.765822	5.657909	5.716587	5.991301	5.932665	5.920533	5.36934	5.35971	5.409798	5.273015	5.334185	5.326021	5.501961	5.329416	5.472921
RFTN1	ENSG00000131378	1.413223	-1.82459	3.887804	0.001131	0.002517	-0.74496	1.561356	1.631689	1.406977	2.81607	2.926537	3.03415	1.317361	1.301009	1.244857	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RBSN	ENSG00000131381	0.429455	5.2969	5.650355	2.59E-05	9.03E-05	1.915164	4.91334	4.917869	4.900514	5.650615	5.671168	5.441817	5.015513	4.944392	4.962367	5.524305	5.389075	5.28714	5.671387	5.659495	5.607658	5.428474	5.59133	5.45649
SLC6A6	ENSG00000131389	-0.90669	7.100549	-8.70715	9.08E-08	7.29E-07	7.566874	7.338732	7.329355	7.336029	6.841286	6.900636	6.919217	7.306736	7.323414	7.197249	7.640143	7.607551	7.624461	6.312078	6.364273	6.326654	7.231317	7.209031	7.205548
KCNC3	ENSG00000131398	1.149659	2.630206	8.898743	6.63E-08	5.62E-07	8.455453	1.927307	2.332462	2.049454	2.81607	2.835252	2.652511	3.004565	2.481727	2.77354	2.664903	2.841532	2.638296	3.918659	3.86531	3.760608	3.043104	3.046116	2.990979
NAPSA	ENSG00000131400	1.036713	-1.09653	3.129875	0.005946	0.011104	-2.46359	0.106501	0.215206	0.219246	0.52061	0.828511	0.106501	0.106501	0.253663	0.256032	1.239286	1.07167	1.277453	1.755315	1.766169	1.695314	1.099384	1.206659	1.416439
NR1H2	ENSG00000131408	0.879987	6.067796	17.59077	1.48E-12	1.53E-10	19.01209	5.272612	5.438728	5.538996	6.187942	6.283111	6.068583	5.860019	5.698992	5.713073	5.915104	5.914084	6.011339	6.916413	6.864753	6.879648	6.394164	6.393349	6.287442
LRRC4B	ENSG00000131409	0.922791	0.427587	4.336687	0.000423	0.001056	-0.23238	0.216396	0.106501	0.106501	0.52061	0.730585	0.461789	0.415731	0.387194	0.629397	2.843296	2.877496	3.035461	3.575762	3.338827	3.578659	3.26375	3.449945	3.107809
PDLIM4	ENSG00000131435	0.423848	-1.32403	3.600743	0.002125	0.004439	-1.61076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	1.616737	2.038602	2.209661	2.169719	2.18129	1.970607	2.190809	2.003758
KIF3A	ENSG00000131437	-0.03191	5.138203	-0.59384	0.560228	0.619705	-7.42778	5.32262	5.312885	5.396406	5.346585	5.292232	5.421721	5.015513	4.860754	4.84333	5.262384	5.242793	5.227237	5.15451	5.231292	5.171406	4.975361	5.072132	5.09537
MGAT1	ENSG00000131446	0.811034	6.824836	10.61055	4.84E-09	6.64E-08	10.6207	6.05942	6.068955	6.084222	7.104065	7.246777	7.215172	6.851417	6.817139	6.867543	6.5554	6.656607	6.722514	7.246373	7.185294	7.155687	7.114094	7.127382	7.014873
GFPT2	ENSG00000131459	-0.88927	5.476487	-3.79564	0.001384	0.003016	-2.11837	6.619196	6.577844	6.612701	4.740363	4.807214	4.809079	5.077304	4.981823	5.072328	5.518254	5.542561	5.674636	5.418375	5.368419	5.473701	5.731559	5.615689	5.575386
TUBG1	ENSG00000131462	-0.41146	6.51599	-2.60636	0.018151	0.030005	-4.74047	7.045868	6.928552	6.951481	7.133786	7.153021	7.10921	6.987844	6.910219	6.984678	6.421317	6.337447	6.485072	5.527151	5.468605	5.287753	6.313743	6.330965	6.23221
PSME3	ENSG00000131467	-0.24253	8.42891	-9.73219	1.78E-08	1.91E-07	9.158045	8.492519	8.509999	8.473333	8.230362	8.269165	8.242284	8.300057	8.327412	8.357279	8.634148	8.618694	8.657097	8.380409	8.417285	8.396732	8.537058	8.465426	8.489197
RPL27	ENSG00000131469	-0.10345	8.884194	-3.21158	0.004979	0.009463	-3.70082	9.179527	9.158795	9.128854	9.063437	9.048397	9.016437	9.082621	9.119933	9.145332	8.789184	8.689317	8.650892	8.560433	8.620565	8.666518	8.635303	8.653396	8.764138
PSMC3IP	ENSG00000131470	-2.01764	3.933931	-11.2418	1.99E-09	3.21E-08	11.9212	4.91334	4.639292	4.696533	3.273122	3.602632	3.700636	4.376062	4.421231	4.444269	4.742042	4.696209	4.763423	2.55467	2.307842	2.34809	4.46216	4.588743	4.4056
AOC3	ENSG00000131471	-0.55438	-0.2473	-1.17581	0.25544	0.314536	-5.54644	2.218961	2.09705	2.049454	2.143217	1.556428	2.132113	2.01302	2.029503	2.239236	0.7264	0.640699	0.54756	0.352262	0.190544	0.335616	0.106501	0.2791	0.659518
ACLY	ENSG00000131473	-0.21433	8.231913	-3.393	0.003351	0.006635	-3.27183	8.503401	8.437871	8.45186	8.405562	8.393367	8.449197	8.292379	8.319601	8.251046	8.211924	8.190155	8.226866	7.854962	7.826817	7.84889	8.200809	8.196389	8.203563
VPS25	ENSG00000131475	-0.40813	6.636538	-6.31683	6.80E-06	2.84E-05	3.143094	7.153406	7.167981	7.140513	6.479798	6.568199	6.538701	6.876914	6.866575	6.857339	6.599055	6.621691	6.642076	6.39668	6.41974	6.431551	6.398222	6.281071	6.292079
AOC2	ENSG00000131480	-1.0617	1.274804	-5.13932	7.52E-05	0.00023	1.664318	2.505419	2.693541	2.492412	2.021307	1.612488	2.5075	2.01302	2.184314	1.826075	1.98771	2.011405	2.004401	1.248697	0.784432	1.129895	1.45147	1.368306	1.222783
NDUFA2	ENSG00000131495	0.193623	5.976988	3.539824	0.002429	0.004993	-2.7564	6.035255	6.043381	5.999931	6.095309	6.145011	6.044692	6.059692	5.994144	6.01011	5.924286	5.916967	5.893651	6.189971	6.191472	6.215927	5.752314	5.830372	5.668679
ANKHD1	ENSG00000131503	-0.83581	0.056029	-2.9931	0.00799	0.014443	-2.68537	1.430644	1.226787	1.202741	1.182548	0.92021	0.461789	1.70672	1.231675	0.833554	1.239286	1.228418	1.188864	1.054048	0.986036	0.593579	1.177011	0.975239	0.872651
DIAPH1	ENSG00000131504	-0.38741	7.962004	-5.09747	8.22E-05	0.000249	0.451803	7.479708	7.5189	7.510262	6.753075	6.722639	6.790614	7.248105	7.208571	7.212198	8.895325	8.870884	8.840633	8.713953	8.72708	8.751884	8.71615	8.722784	8.759681
NDFIP1	ENSG00000131507	0.404637	7.1254	9.527698	2.44E-08	2.45E-07	8.927449	7.203477	7.221903	7.093216	7.693598	7.578582	7.652478	7.504741	7.482967	7.492072	6.712048	6.692381	6.689934	7.008345	7.049816	7.041273	6.789724	6.733771	6.814573
UBE2D2	ENSG00000131508	0.069749	6.893297	1.265656	0.222248	0.277747	-7.02776	6.773244	6.737869	6.824679	6.945516	7.043854	6.922796	6.878492	6.949886	6.916106	6.829918	6.797803	6.881118	6.754862	6.847057	6.818591	7.143398	7.083666	7.15638
EXOC4	ENSG00000131558	-0.11626	6.332892	-1.25151	0.22724	0.283264	-6.96419	7.131654	7.100496	7.101514	6.728936	6.582305	6.642197	6.689981	6.79778	6.720882	5.821561	5.78275	5.765503	6.03363	6.058	6.014251	5.803695	5.811165	5.758539
ACAP3	ENSG00000131584	0.702934	5.048704	12.26912	5.09E-10	1.10E-08	13.11014	4.511345	4.383825	4.498524	5.26388	5.399687	5.313181	4.744844	4.728586	4.872576	5.096306	5.176975	5.176304	5.736406	5.743628	5.685908	5.15875	5.149249	5.06679
C1orf159	ENSG00000131591	0.16158	3.582327	1.661982	0.114346	0.155063	-5.9442	3.454357	3.335139	3.28395	3.425084	3.670226	2.961768	3.586698	3.318907	3.306673	3.838337	3.907656	3.951019	4.283307	4.051009	4.040604	4.267397	4.134537	3.889829
ANO1	ENSG00000131620	-0.48819	1.00974	-2.34061	0.03134	0.048918	-4.42805	0.41387	0.316291	0.756332	0.841981	0.625525	0.657796	0.548589	0.824004	0.515351	2.930935	2.958081	3.210672	2.225168	2.642244	2.689384	4.345124	4.2788	4.216898
PPFIA1	ENSG00000131626	-0.51073	6.703728	-14.8303	2.44E-11	1.18E-09	16.09653	6.658669	6.559918	6.684422	6.173706	6.096694	6.202215	6.426359	6.522796	6.413815	7.284359	7.25221	7.237342	6.722448	6.757756	6.711277	7.101706	7.00977	7.115977
KREMEN2	ENSG00000131650	0.601622	1.713644	3.137976	0.005842	0.010938	-2.68293	1.602421	1.226787	2.351095	2.393052	2.460774	2.098749	2.412257	1.945386	1.962896	1.787595	1.875739	2.021603	2.357702	2.269709	2.10048	2.666185	2.429363	2.277588
THOC6	ENSG00000131652	0.11048	4.887459	1.463411	0.161107	0.209481	-6.49511	5.149863	5.116644	5.27123	4.960893	5.034541	5.1639	4.758625	4.866483	4.674259	4.789709	4.739193	4.864598	5.121745	5.082502	5.044848	4.832737	4.829917	4.572451
TRAF7	ENSG00000131653	0.534419	7.491525	13.3047	1.41E-10	4.22E-09	14.23575	7.030905	7.025039	7.176741	7.577637	7.645607	7.575742	7.166459	7.14988	7.185644	7.46823	7.394486	7.51788	8.077375	7.943441	7.978203	7.716796	7.726456	7.643176
NINJ1	ENSG00000131669	0.285317	6.677166	3.348675	0.003692	0.007243	-3.2321	7.126384	7.195609	7.187174	7.153265	7.183413	7.177716	7.111134	7.019677	7.123745	6.074798	5.952525	6.146848	6.675246	6.543758	6.661969	6.128319	6.027836	5.977786
NPHP4	ENSG00000131697	0.818687	4.526342	12.47302	3.92E-10	8.93E-09	13.49144	5.060589	4.889442	4.990634	5.854769	5.847955	5.804577	5.178171	5.048863	5.37174	3.60703	3.619889	3.495574	4.337818	4.200384	4.20424	3.691675	3.870083	3.734962
MAP1B	ENSG00000131711	-0.07284	5.943628	-0.84571	0.409144	0.474277	-7.16557	7.973546	7.97191	8.069301	7.741842	7.713665	8.015249	7.673374	7.71183	7.702956	4.295234	4.117695	3.914651	4.222798	4.372183	4.242405	4.052512	4.065478	3.984547
IL13RA1	ENSG00000131724	0.190495	7.849984	2.493846	0.022921	0.037015	-5.1172	8.006906	7.989714	7.942116	7.862134	7.813455	7.917578	7.490358	7.621546	7.532029	7.742748	7.765838	7.781964	8.189325	8.236956	8.242272	7.730539	7.762355	7.789187
WDR44	ENSG00000131725	0.467292	4.617963	2.905725	0.009637	0.017079	-3.83707	4.574623	4.706012	4.569365	5.70112	5.641162	5.680396	4.779054	4.976535	4.956916	4.455814	4.506366	4.428251	4.301707	4.255082	4.338034	4.142342	4.011424	4.236277
ZCCHC9	ENSG00000131732	-0.85117	5.754565	-4.75345	0.000171	0.000476	-0.05188	6.650126	6.688047	6.71839	5.112883	4.982309	5.00189	5.578564	5.708593	5.673738	5.858752	5.853677	5.960958	5.710474	5.663177	5.69969	5.718637	5.726088	5.796022
TNS4	ENSG00000131746	-0.11977	6.63651	-0.61501	0.54647	0.606607	-7.64922	5.313374	5.144404	5.211151	5.996317	6.054313	6.137973	5.30568	5.078784	5.092354	7.999224	7.861347	7.942981	7.418959	7.305016	7.38143	8.201099	8.178104	8.209703
TOP2A	ENSG00000131747	-1.33939	6.799725	-4.186	0.000588	0.001413	-1.35899	7.093455	7.047266	7.018256	7.028287	6.918814	7.040587	7.656911	7.775638	7.668353	7.193615	7.206992	7.126435	4.568067	4.657043	4.580783	7.413749	7.289463	7.450604
STARD3	ENSG00000131748	0.485984	5.700424	5.528605	3.33E-05	0.000113	1.61801	5.539016	5.504468	5.399401	5.608898	5.697326	5.550692	5.888503	5.896721	5.819027	5.376047	5.43203	5.465856	6.157	6.119594	6.178277	5.899843	5.849327	5.745073
RARA	ENSG00000131759	0.036423	6.070136	0.214959	0.832288	0.860814	-7.7363	6.145295	6.054397	6.20893	5.28169	5.419464	5.223158	5.757368	5.737018	5.978177	5.99716	6.108198	6.156613	6.72654	6.694395	6.660208	6.527026	6.511647	6.492066
KHDRBS3	ENSG00000131773	-1.10977	2.397273	-6.2536	7.70E-06	3.17E-05	3.741893	2.949211	2.470453	2.700947	1.840866	2.490996	2.581827	2.779728	2.728183	2.471058	3.394446	3.223257	3.464463	2.24051	1.871771	2.257813	2.77004	2.726388	3.093712
CHD1L	ENSG00000131778	-0.40998	5.934508	-9.60615	2.16E-08	2.23E-07	9.195713	6.736823	6.724138	6.648378	6.33805	6.302412	6.345999	6.54244	6.637811	6.548574	5.491736	5.54629	5.55273	5.132064	5.037822	5.123642	5.482982	5.541343	5.565205
PEX11B	ENSG00000131779	0.302753	5.369286	4.227749	0.000536	0.001307	-1.15914	5.263039	5.466485	5.353819	5.491368	5.279302	5.538302	5.248226	5.506949	5.375831	5.195703	5.231258	5.325738	5.692458	5.703069	5.740264	5.249139	5.35134	5.280993
FMO5	ENSG00000131781	0.74281	-0.17625	2.884701	0.010081	0.017785	-3.22436	0.106501	0.499412	0.421314	0.52061	0.512209	0.106501	0.269385	0.253663	0.256032	2.204194	2.388995	2.104662	2.717023	3.088026	2.906973	1.903678	2.212266	2.200755
PIAS3	ENSG00000131788	0.455812	6.426483	13.75553	8.24E-11	2.87E-09	14.84932	5.646	5.722732	5.748412	6.085203	6.104046	6.170452	5.704947	5.75257	5.791729	6.819293	6.847758	6.817907	7.361356	7.284844	7.252953	6.973638	6.988165	6.94298
PRKAB2	ENSG00000131791	-0.43668	5.308991	-2.44013	0.025595	0.040906	-4.90949	6.441062	6.302485	6.24932	5.156973	5.109506	5.25	5.519082	5.488491	5.474506	4.936085	5.072251	4.979091	5.271149	5.287239	5.208029	4.891489	4.822959	4.806527
CLUHP3	ENSG00000131797	0.035135	2.555798	0.371616	0.714646	0.760664	-7.0448	2.218961	2.37994	2.399755	2.577385	2.264801	2.22781	1.648695	2.220554	2.005764	3.544892	3.414909	3.318995	3.501296	3.329589	3.525482	3.236813	3.385297	3.455199
PDHA1	ENSG00000131828	-0.54568	7.100967	-10.4194	6.38E-09	8.21E-08	10.32908	8.013106	8.07648	7.993055	7.342274	7.264382	7.332837	7.526049	7.521605	7.588642	6.811067	6.81645	6.784288	6.424653	6.458395	6.445932	6.576208	6.524569	6.527891
MCCC2	ENSG00000131844	0.149172	7.532178	4.697989	0.000193	0.000528	-0.3485	7.977454	8.01484	8.004899	8.128245	8.049425	8.118217	8.022265	7.992877	8.050678	6.973938	6.949113	7.003043	7.163787	7.161412	7.196356	6.957229	6.956728	7.013002
ZNF304	ENSG00000131845	-0.18769	4.356144	-3.00899	0.007721	0.014011	-3.66857	3.975752	3.863696	3.96379	3.441022	3.616407	3.700636	3.916741	3.685883	3.890739	5.141621	5.235883	5.093319	5.094564	5.003379	4.99542	4.975361	4.993761	5.239981
ZSCAN5A	ENSG00000131848	0.160756	2.719609	1.883645	0.076361	0.108544	-5.35475	2.548084	2.76681	2.621113	2.605941	2.57804	2.652511	2.933443	2.848856	2.643847	2.943032	3.146729	3.085394	3.395624	3.109775	3.326666	3.171932	3.215061	3.215882
ZNF132	ENSG00000131849	0.049551	2.867248	0.704869	0.490179	0.553065	-7.12238	2.051128	1.708084	1.54317	1.791994	2.078331	1.669505	1.588238	1.301009	1.727075	4.619268	4.606195	4.618325	4.627624	4.630959	4.712374	4.691084	4.508628	4.646745
SELENOS	ENSG00000131871	0.026156	6.239197	0.568163	0.577151	0.635366	-7.59574	6.102997	6.05805	6.015627	6.149661	6.064398	6.212	6.447785	6.263136	6.466555	6.232183	6.206905	6.34006	6.264093	6.229218	6.225486	6.480899	6.52992	6.371636
CHSY1	ENSG00000131873	-0.866	6.470118	-18.9321	4.35E-13	5.84E-11	20.25902	7.044938	6.962086	7.029897	6.266066	6.270099	6.306359	7.100351	7.060236	7.109075	6.504273	6.47291	6.453731	5.562678	5.481175	5.473701	6.565423	6.55952	6.564127
SNRPA1	ENSG00000131876	-0.7678	5.825275	-8.87913	6.85E-08	5.80E-07	7.956399	5.876913	5.977387	5.93744	4.88719	4.7142	4.903882	5.188389	5.136826	5.197793	6.679883	6.520125	6.695303	6.023688	6.110184	6.094687	6.458728	6.489849	6.48263
LLGL1	ENSG00000131899	0.267575	5.190247	4.906178	0.000123	0.000356	0.348961	5.000411	4.885335	5.130553	5.087795	5.230876	5.055043	5.183289	4.955186	5.126746	5.165048	5.203192	5.276432	5.576346	5.554375	5.581843	5.392313	5.412868	5.33891
THAP1	ENSG00000131931	-0.24527	3.732597	-2.88329	0.010111	0.017831	-3.71324	4.073915	3.904854	3.863273	3.408969	3.602632	3.335661	3.916741	3.786013	3.879258	3.914031	3.907656	4.112253	3.904282	3.958151	3.898452	3.842237	3.896833	3.945834
RHPN2	ENSG00000131941	-0.28665	4.875889	-3.65398	0.00189	0.004004	-2.36104	5.118357	4.984658	4.974661	4.827817	4.789085	4.668345	4.215456	4.389749	4.243986	5.293423	5.285805	5.39832	5.066862	5.082502	5.020346	5.039116	5.048468	5.243178
C19orf12	ENSG00000131943	0.496366	4.4341	7.498921	7.32E-07	4.19E-06	5.767333	4.538049	4.495815	4.394314	4.790984	4.813207	4.844735	4.877071	4.819999	4.674259	4.076585	4.112675	3.982106	4.63635	4.569504	4.681452	4.249541	4.313961	4.18401
FAAP24	ENSG00000131944	-1.20103	2.349891	-7.64715	5.61E-07	3.35E-06	6.387577	3.313074	3.085957	3.231147	2.577385	2.429905	2.288255	2.446718	2.650616	2.748518	3.123934	2.701418	2.983737	1.916818	1.591687	1.947161	2.744769	2.711397	2.912845
ACTR10	ENSG00000131966	0.304225	5.830106	3.804628	0.001357	0.002962	-2.14729	5.883176	5.969649	5.856953	6.009737	5.862477	5.926062	6.037254	6.157275	5.975483	5.546278	5.544427	5.518302	6.071654	6.011098	6.088153	5.660702	5.627716	5.668679
GCH1	ENSG00000131979	-1.30467	4.298601	-9.68392	1.92E-08	2.02E-07	9.535654	4.702888	4.574447	4.537101	3.875646	3.867423	4.186878	4.536652	4.428995	4.428601	5.185557	5.008809	5.193482	3.593793	3.41941	3.478287	4.623367	4.625193	4.536426
LGALS3	ENSG00000131981	0.737088	9.00242	5.459103	3.85E-05	0.000128	1.186303	8.881758	8.894644	8.865066	10.20184	10.20798	10.06317	9.031388	8.975648	8.995862	8.709107	8.643274	8.674194	8.827837	8.909613	8.896147	8.428163	8.44121	8.452385
DNAJB1	ENSG00000132002	-0.17833	8.195657	-1.85156	0.08106	0.114356	-6.29861	8.067278	7.958779	7.967558	8.021663	7.987838	8.009089	7.659668	7.677207	7.735158	8.644833	8.498984	8.545389	8.272836	8.243119	8.193488	8.693627	8.738813	8.700449
ZSWIM4	ENSG00000132003	0.282781	2.305171	0.625403	0.539787	0.600781	-6.63992	3.27548	3.298545	3.296854	1.578054	2.03796	2.429135	3.440463	3.083395	3.162566	1.278001	1.945166	1.877881	3.281595	3.152313	3.167173	2.247458	2.295039	2.277588
FBXW9	ENSG00000132004	0.140377	3.82131	1.339772	0.19748	0.250107	-6.53184	3.87042	3.676739	3.854572	3.408969	3.34578	3.292047	2.981245	3.023117	2.892531	4.377757	4.525382	4.527922	4.905394	4.863163	4.742646	4.319678	4.029668	4.170642
RFX1	ENSG00000132005	-0.08605	3.633877	-0.97791	0.341459	0.40552	-6.77225	3.827767	3.991467	3.906009	3.791129	3.832443	3.643939	3.523527	3.659726	3.543305	3.666603	3.754913	3.809637	3.95166	3.503965	3.679472	3.871719	3.743163	3.797179
BRME1	ENSG00000132016	-2.41983	1.40538	-11.8	9.38E-10	1.83E-08	12.57356	1.990546	1.591918	1.954926	0.742604	0.730585	0.909432	1.074544	1.710758	0.833554	3.420635	3.576789	3.658388	1.644349	1.2438	1.550722	3.324713	3.160915	3.215882
DCAF15	ENSG00000132017	-0.35705	4.406778	-6.21894	8.25E-06	3.36E-05	3.233423	4.152058	4.080378	4.131643	3.591402	3.759832	3.523386	4.079318	4.080322	4.288067	4.957113	5.011508	5.125498	4.785003	4.830791	4.667494	5.20581	5.23036	5.154286
CC2D1A	ENSG00000132024	-0.043	5.359786	-0.70411	0.490642	0.553434	-7.40445	5.237197	5.17164	5.287484	5.015132	4.987618	4.960699	5.099133	4.987092	5.150819	5.64954	5.595705	5.768053	5.833186	5.726134	5.697974	5.697389	5.755617	5.515842
MATN3	ENSG00000132031	0.548264	1.332799	3.035626	0.00729	0.013332	-2.69325	3.27548	3.439663	3.075109	3.766043	3.796595	3.711713	2.858632	3.160038	2.846105	0.781331	0.695454	0.594297	0.982856	0.938214	0.812339	0.930351	0.816175	0.805046
TRIM21	ENSG00000132109	0.073311	4.154152	1.419977	0.173206	0.222926	-6.40568	3.96004	4.043996	4.019345	4.209199	4.186495	4.000731	4.154215	4.080322	3.968647	4.346223	4.344483	4.418544	4.344933	4.455227	4.452348	4.353508	4.49118	4.422617
SPATA6	ENSG00000132122	0.886574	0.260384	3.112124	0.006179	0.011503	-2.389	2.526909	2.534795	2.37563	3.162124	3.260629	3.03415	2.376953	2.220554	2.501332	0.269074	0.259702	0.449284	0.869014	0.484926	0.533283	0.183756	0.637375	0.315289
LRRC41	ENSG00000132128	-0.1497	7.213145	-3.21358	0.004958	0.009427	-3.58503	7.365816	7.395102	7.367716	7.122712	7.076608	7.026239	7.285474	7.173181	7.289046	7.228008	7.156657	7.181998	7.20738	7.152271	7.162545	7.280507	7.281238	7.264939
DHX30	ENSG00000132153	-0.26438	7.230386	-5.89892	1.56E-05	5.85E-05	2.223098	7.308804	7.216192	7.358513	7.104065	7.102532	6.927555	7.229669	7.062734	7.047576	7.482286	7.412983	7.489185	7.218075	7.201843	7.151932	7.440557	7.328058	7.243552
RAF1	ENSG00000132155	1.173137	6.143145	24.51627	5.55E-15	4.19E-12	24.63757	5.217507	5.272573	5.137743	6.438717	6.4654	6.537145	6.489704	6.497174	6.537661	5.546278	5.645223	5.509184	6.624986	6.630946	6.628136	6.641849	6.556378	6.610656
PPARG	ENSG00000132170	-0.5035	4.216353	-3.86069	0.0012	0.002651	-1.78059	4.820675	4.548709	4.515184	3.661095	3.531716	3.523386	3.916741	4.040332	3.890739	4.930021	4.745694	4.90687	4.74791	4.67539	4.602954	3.928936	4.140146	4.249053
NUP210	ENSG00000132182	-0.05935	7.176918	-0.37024	0.715649	0.76158	-7.76612	7.438488	7.444089	7.466675	7.822381	7.820167	7.802486	7.613016	7.60279	7.638017	6.746966	6.743621	6.651775	6.354118	6.214238	6.121813	7.374126	7.2407	7.289883
HSD17B7	ENSG00000132196	0.885288	3.145204	11.09335	2.45E-09	3.79E-08	11.73279	2.965042	2.935191	2.720234	3.863871	3.784444	3.700636	3.423261	3.178579	3.254305	2.990428	2.804649	2.957162	3.53901	3.772912	3.608189	3.341669	3.32748	3.410407
ENOSF1	ENSG00000132199	0.307801	5.032722	3.070525	0.006761	0.012469	-3.5764	5.146396	5.041126	5.116065	5.643745	5.529116	5.688828	5.473848	5.539589	5.584645	4.832603	4.916753	4.612661	4.841432	4.811013	4.903135	4.442647	4.525868	4.780362
LINC00470	ENSG00000132204	0.216568	-0.25097	1.039215	0.312868	0.375701	-6.25857	0.216396	0.106501	0.323815	0.258133	0.106501	0.3528	0.106501	0.509405	0.256032	2.605258	2.646894	2.592986	2.626498	2.901116	2.821313	2.524879	2.552239	2.649309
EMILIN2	ENSG00000132205	-0.82139	0.789379	-3.78649	0.001413	0.003068	-1.59044	1.069823	0.736739	0.421314	0.841981	0.106501	0.830331	0.269385	0.509405	0.106501	3.730807	3.695711	3.7997	2.902055	3.131201	3.010124	3.478269	3.431768	3.352387
ARFIP2	ENSG00000132254	0.2814	6.411896	5.430205	4.09E-05	0.000136	1.304512	6.147031	6.177063	6.1372	6.394386	6.4692	6.470234	6.040078	5.973056	6.064348	6.573021	6.44422	6.503555	6.833478	6.755171	6.740739	6.715243	6.664436	6.630321
TRIM5	ENSG00000132256	0.660781	4.512645	6.242169	7.87E-06	3.23E-05	3.327725	4.088441	4.073175	4.208773	4.797189	4.485643	4.713128	5.141824	5.237527	5.015776	4.082065	4.157244	4.171248	4.831335	4.777434	4.842308	4.570409	4.563921	4.661156
TRIM22	ENSG00000132274	-0.19119	3.873926	-1.10164	0.285556	0.346644	-6.72931	4.2778	4.412648	4.424025	3.77864	3.722109	3.722706	3.457463	3.335526	3.421943	3.772076	4.087306	3.942013	3.95166	4.116929	4.051393	4.285035	4.538664	4.255399
RRP8	ENSG00000132275	-0.29062	4.559347	-5.28826	5.50E-05	0.000175	1.265355	4.559062	4.484999	4.44736	3.944346	4.301803	4.162865	4.274204	4.273815	4.22597	5.015558	5.061869	5.240153	4.898157	4.882244	4.832959	4.908658	4.874338	4.827974
TIMM10B	ENSG00000132286	0.384716	5.112658	8.405259	1.50E-07	1.10E-06	7.273307	4.846543	4.992316	4.89628	5.384166	5.279302	5.401341	5.36994	5.408281	5.283036	4.851979	4.866934	4.909182	5.212064	5.12584	5.243746	5.312861	5.190374	5.227124
EFR3A	ENSG00000132294	-0.04492	7.393356	-0.82154	0.422405	0.487467	-7.54731	7.1149	7.106683	7.12341	6.915886	6.939508	6.935844	7.136425	7.040099	7.009904	7.807446	7.874013	7.78228	7.871686	7.867679	7.904619	7.579706	7.595821	7.638935
PTCD3	ENSG00000132300	-0.4277	6.560273	-11.1123	2.38E-09	3.72E-08	11.37927	6.93168	6.912497	6.886808	6.493236	6.463496	6.433907	6.671888	6.71605	6.698191	6.762407	6.733845	6.66757	6.314799	6.32181	6.308779	6.342456	6.309971	6.401984
IMMT	ENSG00000132305	-0.04521	7.187671	-1.36125	0.190729	0.242744	-6.92627	7.55747	7.572887	7.540415	7.455463	7.423667	7.418994	7.476874	7.485762	7.465445	6.899851	6.929975	6.895185	6.980062	6.922729	6.914046	6.858341	6.849552	6.919196
MRPL35	ENSG00000132313	-0.53963	5.80338	-8.14306	2.35E-07	1.60E-06	6.725431	6.066775	6.052567	6.097189	5.543969	5.473441	5.404757	6.316513	6.305929	6.30432	5.919702	5.9054	5.884278	5.356354	5.417203	5.503472	5.808277	5.804117	5.785098
ILKAP	ENSG00000132323	-0.34977	5.119249	-5.55409	3.16E-05	0.000108	1.798099	5.631194	5.546688	5.75544	5.004446	5.194607	5.203674	5.639419	5.650007	5.556087	4.877414	4.887657	4.936647	4.715338	4.638459	4.79173	5.018176	4.92395	4.96205
PER2	ENSG00000132326	0.137463	5.499074	1.087528	0.291574	0.352987	-7.04563	5.468578	5.363957	5.541709	6.149661	5.994917	6.146161	5.771031	5.711779	5.729151	5.56792	5.568461	5.470561	5.190502	5.223832	5.212843	5.191852	5.115482	5.167806
RAMP1	ENSG00000132329	0.571872	-0.17292	2.350026	0.030749	0.048058	-4.13896	0.216396	0.106501	0.219246	0.395333	0.625525	0.563119	0.415731	0.622068	0.256032	1.940223	2.032826	2.136592	2.225168	2.326537	2.036756	2.229352	2.500854	2.252429
SCLY	ENSG00000132330	-0.51166	1.333378	-3.14674	0.005732	0.010749	-2.69641	1.861169	1.670392	1.62731	1.457877	1.498102	1.919272	0.886508	1.15884	1.244857	2.427256	2.453955	2.522234	1.935792	2.039797	1.900186	2.334732	2.315011	2.277588
PTPRE	ENSG00000132334	-0.04476	3.643391	-0.68537	0.502103	0.564128	-7.26821	2.568952	2.61635	2.758051	2.81607	2.970101	3.03415	1.867984	2.147141	2.047395	5.337619	5.276856	5.388409	5.309842	5.144398	5.215244	4.677792	4.776901	4.694231
RAN	ENSG00000132341	0.01168	9.130497	0.29733	0.76972	0.808907	-7.93759	9.459612	9.4792	9.41843	9.594197	9.589815	9.581182	9.722084	9.750891	9.74597	8.649224	8.623997	8.658128	8.495977	8.513735	8.579513	8.830358	8.836828	8.87054
PRKAA1	ENSG00000132356	-0.0469	6.569627	-0.69134	0.498435	0.561025	-7.55074	6.759694	6.753726	6.786305	6.97455	6.953141	6.995978	6.721988	6.776637	6.763659	6.451268	6.590431	6.559097	6.28459	6.212983	6.246764	6.20676	6.27216	6.230601
CARD6	ENSG00000132357	0.537423	2.894973	2.461003	0.024523	0.03936	-4.26022	3.085796	3.310847	3.176339	3.80351	3.517104	3.608819	3.904396	4.109604	3.844255	2.510897	2.485369	2.724859	2.949505	3.375198	2.846311	1.948641	2.212266	2.442395
RAP1GAP2	ENSG00000132359	-0.5923	5.21881	-4.10445	0.000703	0.001655	-1.40025	6.134836	6.026697	6.155027	4.753186	5.029402	4.903882	5.093706	5.127313	5.126746	5.376047	5.258789	5.315313	5.22369	5.250999	5.262439	4.77149	4.897703	4.969789
CLUH	ENSG00000132361	-0.1388	7.227168	-2.7966	0.012161	0.021023	-4.43458	7.822066	7.829546	7.929742	7.680232	7.767127	7.671041	7.80538	7.712626	7.795956	6.630249	6.651423	6.797455	6.59844	6.570472	6.560825	6.879539	6.876682	6.702926
INPP5K	ENSG00000132376	1.33845	3.986683	14.46997	3.64E-11	1.57E-09	15.89263	2.996191	3.155816	3.029452	4.384261	4.368438	4.162865	3.904396	3.988732	3.783962	3.926269	3.824119	3.982106	5.158554	5.128506	5.257788	4.175819	4.232297	4.108904

MYBBP1A	ENSG00000132382	-0.29432	7.235041	-5.2382	6.11E-05	0.000192	0.83711	7.616295	7.630457	7.737267	7.35179	7.45179	7.401999	7.464314	7.280071	7.284701	7.161622	7.099436	7.190579	6.928304	6.804348	6.754009	7.096096	7.07271	7.086027
RPA1	ENSG00000132383	-0.176	6.477031	-3.5017	0.002641	0.005382	-2.87883	6.674401	6.667866	6.700292	6.665914	6.528683	6.62765	6.797363	6.896284	6.757402	6.354963	6.223301	6.326282	6.019248	5.996579	6.102489	6.569027	6.490947	6.493409
UBE2G1	ENSG00000132388	-0.20096	6.238508	-5.56361	3.10E-05	0.000106	1.678441	7.104217	7.134633	7.169743	6.955259	6.907654	6.910831	7.183162	7.213075	7.155026	5.522291	5.491258	5.516787	5.368624	5.250999	5.361134	5.496293	5.530707	5.437082
EEFSEC	ENSG00000132394	-0.18086	4.267361	-2.78774	0.012392	0.021383	-4.03424	4.363907	4.360345	4.520694	4.367681	4.485643	4.218286	4.367093	4.221128	4.388669	4.497421	4.443776	4.530928	4.126992	4.376675	4.247105	4.298124	4.232297	4.129778
TBC1D14	ENSG00000132405	0.373091	6.523568	7.660935	5.47E-07	3.28E-06	5.753803	6.460736	6.473645	6.359515	6.830739	6.736896	6.754917	6.646169	6.619267	6.619295	6.145857	6.19389	6.187425	6.56836	6.584132	6.559881	6.69064	6.698095	6.588208
TMEM128	ENSG00000132406	-0.37343	4.765708	-4.37485	0.000389	0.000982	-0.72964	5.282121	5.227863	5.190556	4.605448	4.470555	4.506036	4.751751	4.696781	4.570996	4.945135	4.928229	4.994418	4.745223	4.814328	4.972896	4.6711	4.773297	4.617485
COQ3	ENSG00000132423	-0.18657	2.877546	-1.87086	0.078205	0.110844	-5.32342	3.397161	3.472886	3.204003	3.041869	3.278066	3.335661	3.315502	3.564249	3.389938	2.650221	2.85362	3.00983	2.842976	2.642244	2.481722	2.924322	2.881762	3.021085
PNISR	ENSG00000132424	-0.07294	5.130886	-0.48379	0.634538	0.687577	-7.39683	6.070438	6.106487	6.146141	5.687824	5.624218	5.778475	6.15656	6.058125	6.183495	4.417313	4.483212	4.15185	4.656506	4.732581	4.769032	4.005409	4.05364	4.170642
POPDC3	ENSG00000132429	0.327621	1.201324	0.740376	0.468902	0.532411	-6.07632	4.029438	3.7953	3.955676	4.525489	4.537243	4.372816	4.695544	4.59002	4.497806	0.483018	0.330605	0.639567	0.294634	0.106501	0.263213	0.837776	0.572487	0.93723
SEC61G	ENSG00000132432	-0.13717	5.397292	-1.8457	0.081944	0.115512	-6.01281	5.275788	5.325066	5.126945	5.346585	5.190008	5.187896	5.136557	5.319175	5.112107	5.630966	5.71148	5.565981	5.315286	5.474904	5.495593	5.928183	5.814676	5.832557
LANCL2	ENSG00000132434	0.423219	4.324207	7.455941	7.91E-07	4.49E-06	5.673344	3.86199	3.896716	3.755225	4.161901	3.988879	4.088331	4.321396	4.290959	4.475104	4.399867	4.34876	4.398932	4.895737	4.853528	4.836082	4.841704	4.847164	4.926702
FIGNL1	ENSG00000132436	-1.33146	4.04349	-13.3594	1.32E-10	3.99E-09	14.58927	3.58303	3.58855	3.764544	2.887595	2.948483	3.216292	3.66196	3.477062	3.681923	5.419984	5.374467	5.351474	3.865227	3.958151	3.968435	5.351042	5.176796	5.380146
GRSF1	ENSG00000132463	-0.16319	7.390609	-4.82765	0.000146	0.000413	-0.07413	7.368051	7.365186	7.291594	7.07116	7.137581	7.144381	7.26992	7.365493	7.287961	7.59821	7.503511	7.57179	7.403282	7.473325	7.467526	7.607573	7.620606	7.644386
ANKRD17	ENSG00000132466	0.120365	7.374664	2.214357	0.040358	0.06132	-5.6111	6.941715	7.040818	7.076476	7.115282	7.107417	7.332837	7.100351	7.210825	7.141874	7.705953	7.756211	7.568867	7.740926	7.743623	7.775549	7.518581	7.48339	7.547518
UTP3	ENSG00000132467	-0.24851	6.34107	-6.25768	7.64E-06	3.14E-05	3.036244	6.304638	6.282324	6.124589	5.918767	5.899563	5.897242	6.153955	6.092752	6.143263	6.765816	6.701606	6.725797	6.575183	6.565562	6.49418	6.621167	6.585446	6.622978
ITGB4	ENSG00000132470	-0.80942	7.213247	-2.14046	0.04669	0.069839	-5.73181	7.887386	7.654789	7.873248	5.097883	5.248674	5.033133	6.184906	6.136086	6.131214	7.640607	7.72694	7.638118	8.082705	7.987058	7.968985	8.588793	8.658534	8.562039
WBP2	ENSG00000132471	-0.24637	7.4237	-3.87832	0.001154	0.002564	-2.17083	7.542381	7.473797	7.504712	7.073718	6.990643	6.969689	7.111134	7.04516	7.081787	7.772285	7.674242	7.808532	7.775238	7.642803	7.714492	7.571195	7.552315	7.481383
H3-3B	ENSG00000132475	-0.80241	8.781631	-8.19135	2.16E-07	1.49E-06	6.534526	8.764535	8.749966	8.707284	7.465237	7.533919	7.442457	8.365125	8.338275	8.323789	9.569201	9.507036	9.496594	9.037922	9.116459	9.077964	9.531045	9.532299	9.579714
UNK	ENSG00000132478	0.017994	5.10046	0.217035	0.830695	0.859729	-7.57199	5.067938	5.063109	5.134153	4.944216	4.971631	4.951383	5.243334	5.228657	5.325957	5.213289	5.258789	5.204822	5.336859	5.289623	5.386919	5.018176	5.006099	4.938581
TRIM47	ENSG00000132481	-0.05678	6.515075	-0.45401	0.655411	0.70605	-7.70972	6.614185	6.706787	6.817981	6.274985	6.640761	6.33171	5.964794	5.686091	5.903632	6.668089	6.575912	6.711956	6.849825	6.783356	6.741572	6.802793	6.835794	6.661715
ZRANB2	ENSG00000132485	0.034042	6.336652	0.472022	0.64275	0.694695	-7.67953	6.126062	6.192103	6.017577	5.90734	5.684306	6.029279	5.976635	6.060626	6.076967	6.583684	6.660913	6.648318	6.810532	6.880653	6.852916	6.546352	6.66638	6.679522
EIF5A	ENSG00000132507	-0.44474	9.220749	-11.0316	2.67E-09	4.07E-08	11.10597	9.913	9.855059	9.858376	9.476863	9.525796	9.484189	9.719223	9.708856	9.697559	8.956646	8.888433	8.949123	8.403381	8.448024	8.421114	8.9151	8.913333	8.887492
KDM6B	ENSG00000132510	0.052523	6.178887	0.567946	0.577296	0.635476	-7.59476	6.263624	6.141345	6.501443	5.866618	6.156841	6.087841	6.346481	6.104921	6.284872	6.077544	6.096801	6.145868	6.439685	6.407719	6.377914	6.145318	6.092904	6.052569
XAF1	ENSG00000132530	-0.45185	0.978233	-4.57687	0.000251	0.000666	-0.15604	0.106501	0.215206	0.421314	0.106501	0.106501	0.106501	0.269385	0.253663	0.256032	5.170202	5.267851	5.174383	4.656506	4.853528	4.891173	5.566486	5.722354	5.819768
DLG4	ENSG00000132535	-0.35688	2.369653	-2.86334	0.010551	0.018518	-3.26693	3.643304	3.829904	3.792147	3.255206	3.378481	3.419122	3.788265	3.578282	3.668646	1.865926	1.752042	1.759838	1.524131	1.970168	1.550722	1.759719	2.146913	1.844513
RIDA	ENSG00000132541	-0.48428	4.905734	-5.63839	2.66E-05	9.23E-05	1.961717	5.015692	4.953612	5.126945	4.384261	4.030628	4.256608	4.702691	4.949799	4.789145	5.422146	5.399419	5.363329	5.045184	5.149657	5.138897	5.054624	5.203826	5.230349
VPS13B	ENSG00000132549	0.418678	5.601714	7.331921	9.91E-07	5.45E-06	5.224514	5.139438	5.278849	5.22472	5.472108	5.586227	5.852905	5.36994	5.298133	5.256657	5.718015	5.877552	5.570371	6.087648	6.112879	6.144664	5.809801	5.777374	5.81333
MATN2	ENSG00000132561	2.474293	0.982456	11.88827	8.35E-10	1.65E-08	12.51426	1.235614	1.374745	1.499186	2.548252	2.85862	3.119801	1.459147	1.001115	1.244857	0.669294	0.799097	1.158083	2.977243	2.671787	2.661487	1.017342	1.118494	1.115245
REEP2	ENSG00000132563	1.182936	-0.06909	3.702363	0.0017	0.003631	-1.15907	1.519087	1.327092	1.453818	1.457877	2.078331	1.956998	1.816207	2.220554	2.047395	0.190076	0.259702	0.34382	0.745413	0.938214	0.812339	0.686723	0.871168	0.497646
PCBD2	ENSG00000132570	-0.30654	4.045338	-3.91537	0.001064	0.002388	-1.53396	4.595114	4.517206	4.429894	4.122913	3.796595	4.079806	4.437325	4.482206	4.475104	4.037631	3.970058	3.853525	3.840269	3.832986	3.843644	4.103106	4.029668	3.976887
SDF2	ENSG00000132581	0.625996	5.955239	11.92336	7.97E-10	1.59E-08	12.55337	5.300954	5.363957	5.214556	6.171319	5.965622	6.092086	5.715585	5.740142	5.673738	6.045645	6.052918	6.086826	6.566078	6.580242	6.546597	6.177547	6.185314	6.161326
FLOT2	ENSG00000132589	1.579186	5.756919	23.64539	1.03E-14	5.62E-12	24.01252	5.011887	4.95753	4.933939	6.573146	6.649161	6.473492	6.668242	6.546187	6.580828	4.678347	4.672521	4.530928	6.084464	6.053799	6.191749	5.912665	5.864653	5.811178
ERAL1	ENSG00000132591	-0.46392	6.414837	-12.7855	2.65E-10	6.63E-09	13.67377	6.976299	6.979529	6.975757	6.406612	6.486179	6.448879	6.742939	6.722383	6.698191	6.327542	6.326647	6.311497	5.968325	5.858882	5.963744	6.23085	6.19208	6.173105
PRMT7	ENSG00000132600	-0.25442	5.540898	-3.61057	0.00208	0.004354	-2.51596	5.970071	5.850414	5.916691	5.400559	5.557954	5.331249	5.949855	5.755661	5.842866	5.36934	5.372368	5.492317	5.379059	5.308554	5.40175	5.507606	5.485161	5.423057
NIP7	ENSG00000132603	-0.71597	6.597285	-8.01994	2.91E-07	1.93E-06	6.379178	6.519538	6.566346	6.562826	5.316663	5.36339	5.448454	5.888503	6.017505	5.934468	7.513547	7.442795	7.511426	7.037732	7.090035	7.050714	7.236425	7.300775	7.26651
TERF2	ENSG00000132604	-0.19377	5.39757	-3.87416	0.001165	0.002584	-1.95028	5.132445	5.195056	5.241504	5.147291	4.917027	5.171943	5.300979	5.276779	5.112107	5.841085	5.752405	5.81197	5.637019	5.462279	5.574382	5.710502	5.716735	5.796022
VPS4A	ENSG00000132612	-0.29623	5.620438	-5.91045	1.53E-05	5.73E-05	2.433597	5.862195	5.747832	5.869964	5.452586	5.49969	5.404757	5.922569	5.733887	5.738712	5.691372	5.716452	5.77187	5.461566	5.54243	5.505435	5.548343	5.599495	5.642288
MTSS2	ENSG00000132613	0.64314	6.856632	5.93906	1.44E-05	5.46E-05	2.326449	5.960231	5.83559	6.027288	6.030952	6.056841	5.979739	6.422036	6.250046	6.359073	7.03596	7.10766	7.115462	8.147211	8.027969	7.997161	7.84161	7.775478	7.716879
ANKEF1	ENSG00000132623	-0.13147	5.065178	-1.18319	0.25258	0.311309	-6.9077	5.434871	5.303682	5.22472	5.015132	4.819175	5.006395	4.622059	4.184903	4.599264	5.307527	5.301333	5.260219	5.293386	5.324918	5.371934	5.329955	5.274377	5.311765
PCED1A	ENSG00000132635	0.539892	4.95977	9.758131	1.71E-08	1.85E-07	9.503259	4.679091	4.687262	4.777019	5.404628	5.403664	5.373711	4.83866	4.576102	4.674259	4.992463	5.108011	5.016036	5.47622	5.470708	5.405959	4.700972	4.815969	4.744721
SNAP25	ENSG00000132639	1.324958	0.653193	3.745693	0.001545	0.003331	-1.10761	4.95357	4.961437	4.763138	6.318771	6.156841	6.248587	6.33962	6.32478	6.407834	0.106501	0.185134	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.214669
BTBD3	ENSG00000132640	-0.75658	6.61007	-19.1526	3.58E-13	5.15E-11	20.43588	7.084425	6.971803	7.008484	6.369619	6.163893	6.311829	6.516313	6.51187	6.562999	7.096102	7.056941	6.976273	6.265031	6.322974	6.272352	6.535341	6.564743	6.670052
PCNA	ENSG00000132646	-0.26422	8.147656	-0.73265	0.473484	0.536801	-7.63765	8.366325	8.312715	8.30111	9.406824	9.330974	9.365154	8.389688	8.443116	8.413083	8.151634	8.110228	8.195473	6.539191	6.566546	6.510888	8.098225	8.124295	8.147091
NXT1	ENSG00000132661	-0.42089	5.381296	-6.54954	4.32E-06	1.92E-05	3.743584	5.282121	5.303682	5.328907	4.694564	4.819175	4.745826	4.944941	5.063901	5.107194	5.853955	5.785907	5.986368	5.52402	5.560311	5.579982	6.064643	6.033874	5.849434
POLR3F	ENSG00000132664	-0.84162	5.273186	-16.588	3.90E-12	3.18E-10	18.07789	5.414839	5.474709	5.408347	4.733909	4.447623	4.735009	5.347317	5.178875	5.107194	5.97524	5.877552	5.949769	5.060393	5.087991	5.13383	5.513229	5.576928	5.607985
RIN2	ENSG00000132669	-0.07134	5.67507	-1.04958	0.308208	0.370667	-7.1714	5.282121	5.291319	5.176661	4.863733	5.185395	4.946703	4.659269	4.922558	4.813478	6.405012	6.360926	6.377284	6.402659	6.416471	6.405507	6.32551	6.479932	6.420456
PTPRA	ENSG00000132670	0.587119	6.314565	14.47137	3.64E-11	1.57E-09	15.71483	5.864307	5.906205	5.856953	6.540232	6.397219	6.544908	6.184906	6.278258	6.233947	6.183306	6.219803	6.275203	6.746826	6.829142	6.753184	6.39518	6.392174	6.401984
DAP3	ENSG00000132676	-0.2961	7.820846	-7.90652	3.54E-07	2.27E-06	6.096377	8.167313	8.167229	8.088445	7.850994	7.859791	7.783582	7.831696	7.884818	7.846209	7.870556	7.795904	7.849145	7.538982	7.559317	7.581708	7.726107	7.701542	7.791373
KHDC4	ENSG00000132680	0.315841	6.012724	5.640138	2.65E-05	9.20E-05	1.790768	5.729467	5.690142	5.771708	6.062202	6.086834	6.142073	5.578564	5.755661	5.677057	6.165349	6.330977	6.005947	6.426331	6.430582	6.44491	5.951842	6.188024	6.211145
NES	ENSG00000132688	-1.19103	4.684657	-10.5062	5.63E-09	7.46E-08	10.74559	5.585841	5.517795	5.477985	4.082842	4.301803	4.138446	4.812472	5.013152	4.745547	4.966032	4.942447	4.902234	4.01993	3.921728	3.974116	5.112574	4.914163	4.99276
ARHGEF11	ENSG00000132694	-0.22165	5.407431	-3.58626	0.002194	0.004565	-2.40192	6.935703	6.904402	6.88894	6.659117	6.809142	6.756255	7.016804	7.019677	7.009904	4.187508	4.283241	4.083875	3.979357	3.852467	3.734067	4.175819	4.005291	4.007286
RAB25	ENSG00000132698	0.441159	1.696413	12.48498	3.87E-10	8.85E-09	13.31886	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	7.508468	7.442795	7.491888	7.952804	7.906251	7.902759	7.596579	7.57164	7.512844
FCRL2	ENSG00000132704	-0.05275	-1.07124	-0.43165	0.671272	0.720709	-6.64715	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.494552	2.66072	2.396013	2.529911	2.250257	2.416453	2.283004	2.190809	2.610232
DCAF8	ENSG00000132716	-0.19381	5.429606	-1.94558	0.067969	0.097885	-5.80635	6.597778	6.590513	6.400443	6.067345	6.010649	5.99342	5.774426	5.727605	5.81602	4.896201	4.976009	4.793777	5.119672	5.032138	5.047545	4.496632	4.482376	4.602629
IGHMBP2	ENSG00000132740	-0.4967	4.496168	-10.2886	7.73E-09	9.60E-08	10.39003	4.445163	4.564207	4.424025	3.753334	3.945887	3.954853	4.330652	4.332946	4.252911	5.077225	5.133021	5.066635	4.633447	4.707838	4.677975	4.908658	4.943327	4.988957
ACY3	ENSG00000132744	0.482517	0.355183	2.304379	0.033715	0.052264	-4.41372	0.587539	0.582935	0.598525	0.742604	1.437317	0.909432	0.106501	0.253663	0.39151	2.392392	2.267764	2.286428	2.717023	2.686334	2.481722	2.013561	2.37332	1.844513
ALDH3B2	ENSG00000132746	-0.22456	0.111674	-2.28366	0.035147	0.054218	-4.86079	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	4.623032	4.340194	4.601264	4.312636	4.190213	4.324754	4.398766	4.304002	4.286716
TESMIN	ENSG00000132749	-0.79247	2.857226	-6.43523	5.39E-06	2.33E-05	3.948662	3.071243	2.886707	2.5366	2.661411	2.660129	2.132113	2.412257	2.290412	2.376228	3.751589	3.992097	3.977706	3.165832	3.152313	2.930541	3.830273	3.728346	3.650813
MMACHC	ENSG00000132763	0.170897	3.288954	2.033303	0.057495	0.084362	-5.33157	2.965042	2.982098	3.075109	2.81607	2.811499	2.652511	2.858632	2.702788	2.77354	3.920163	4.035189	3.824415	4.211164	4.307781	4.155068	4.005409	3.870083	4.087723
DPH2	ENSG00000132768	-0.02808	6.193361	-0.50631	0.618963	0.673998	-7.6463	6.227986	6.205343	6.388437	6.05186	6.11379	6.006972	5.81126	5.810187	5.851705	6.453384	6.348167	6.420884	6.566839	6.471053	6.526438	6.261243	6.175789	6.157942
TOE1	ENSG00000132773	-0.49443	4.469272	-9.02053	5.45E-08	4.77E-07	8.442764	4.820675	4.937835	5.006431	4.316764	4.56592	4.393601	4.889651	4.992342	4.940438	4.485065	4.427694	4.52189	4.080861	4.045377	3.951255	4.485232	4.432969	4.370952
NASP	ENSG00000132780	-0.63294	6.815031	-13.5764	1.02E-10	3.30E-09	14.61488	6.528888	6.558629	6.558814	5.982771	6.00018	6.121455	6.380303	6.471088	6.3632	7.541163	7.548822	7.624109	6.874005	6.865552	6.881161	7.505474	7.510707	7.609515
MUTYH	ENSG00000132781	-0.41318	3.345572	-4.52077	0.000283	0.000742	-0.15373	3.27548	3.323044	3.347346	2.864145	3.073582	2.845893	2.779728	2.825515	2.981126	4.109157	4.061483	3.968865	3.794228	3.568213	3.644271	4.213151	4.173346	4.044405
CTNNBL1	ENSG00000132792	-0.26018	6.039193	-3.20404	0.005062	0.009604	-3.48716	5.901801	5.910253	5.856953	5.456512	5.266255	5.341983	6.084526	6.121786	6.123935	6.292517	6.307002	6.432988	6.229912	6.258721	6.318861	6.447024	6.354073	6.419044
LPIN3	ENSG00000132793	0.424641	4.029536	4.362325	0.0004	0.001005	-0.63154	3.919992	3.812706	4.288462	4.161901	4.091068	3.991672	3.761137	3.633086	3.681923	4.076585	4.157244	3.92383	4.621778	4.619633	4.653399	4.088113	4.348284	4.329449
ZSWIM3	ENSG00000132801	-0.20408	2.55673	-2.10877	0.049676	0.073994	-4.98499	2.461454	2.332462	2.326135	1.888135	1.953662	2.346268	2.340763	2.220554	2.530983	3.265521	3.339557	3.426222	3.004458	3.453829	3.263113	3.39949	3.520448	3.509302
RBM38	ENSG00000132819	-0.26165	5.652821	-2.48002	0.023583	0.037988	-4.92705	5.585841	5.582643	5.638658	4.87551	4.807214	4.803913	5.418495	5.183472	5.313214	5.915104	6.041075	6.160501	6.133567	6.073301	6.0375	6.330827	6.291189	6.120193
VSTM2L	ENSG00000132821	1.695962	2.158525	15.82375	8.47E-12	5.64E-10	17.3225	0.216396	0.316291	0.598525	1.022291	1.498102	0.984419	0.415731	0.106501	0.629397	5.038288	5.043519	5.087205	6.710103	6.716712	6.663728	5.382106	5.453977	5.187851
OSER1	ENSG00000132823	-0.16969	5.610523	-1.99071	0.062384	0.090741	-5.78997	5.819295	5.79457	5.785507	5.396478	5.338674	5.481188	5.771031	5.902309	5.940005	5.59692	5.72963	5.631871	5.662871	5.67963	5.627622	5.48107	5.456227	5.442654
SERINC3	ENSG00000132824	0.411139	7.69067	6.064628	1.12E-05	4.39E-05	2.541723	7.474879	7.576712	7.555259	8.179019	8.075837	8.156215	8.066565	8.022687	8.051957	7.401309	7.395003	7.430426	7.630988	7.621197	7.647184	7.402683	7.407523	7.46915
PPP1R3D	ENSG00000132825	0.261124	3.685899	2.165836	0.04442	0.066815	-5.05978	3.288121	3.494617	3.522358	4.082842	4.040879	4.186878	4.101117	4.109604	4.032233	3.695491	3.754913	3.829308	3.830164	3.599295	3.600863	3.70484	3.815048	3.698167
AP3B1	ENSG00000132842	0.00402	6.591074	0.118295	0.907183	0.923787	-7.79257	6.942715	6.898301	6.894257	6.889995	6.873648	6.853225	6.828732	6.860846	6.747963	6.396241	6.332058	6.330601	6.393252	6.391163	6.407608	6.217134	6.344388	6.319593
ZBED3	ENSG00000132846	0.835894	2.356287	3.870605	0.001174	0.002601	-1.09203	4.044416	3.920993	4.102541	4.839889	4.860273	4.772519	4.496094	4.474723	4.520155	1.028404	1.112482	1.360915	1.711947	1.681564	1.51998	1.099384	1.2488	0.497646
PATJ	ENSG00000132849	-0.01881	5.430677	-0.24414	0.809962	0.842126	-7.65795	5.379837	5.381559	5.231457	5.031013	4.992907	5.019826	4.857993	4.860754	4.73921	5.855556	5.949713	5.714848	5.96602	5.989265	6.026606	5.811323	5.701643	5.886702
FBXO44	ENSG00000132879	0.140429	3.789588	1.342322	0.196669	0.249235	-6.35788	4.538049	4.383825	4.43574	4.254996	4.400635	4.386706	4.205428	3.798055	4.021828	3.303547	3.414909	3.495574	3.988472	3.637228	3.658454	3.341669	3.422593	3.487904
CPLANE2	ENSG00000132881	0.181838	1.751681	1.705326	0.105842	0.144883	-5.37102	2.137484	2.283367	2.166567	2.425456	2.264801	2.374422	2.01302	1.85606	1.962896	1.964162	2.053933	2.183199	2.096181	2.21055	2.330481	2.247458	1.930959	2.033602
CASP9	ENSG00000132906	0.784643	4.127233	6.349695	6.37E-06	2.69E-05	3.686656	4.399293	4.318312	4.326715	5.195063	5.217382	5.324049	5.324334	5.306587	5.346947	3.376719	3.269103	3.195594	3.735884	3.903166	3.615478	3.52355	3.449945	3.215882
DCTN4	ENSG00000132912	-0.38651	6.975341	-4.21458	0.000552	0.001339	-1.3679	7.706165	7.606332	7.594981	6.945516	6.909054	6.990303	7.37095	7.499653	7.421596	6.746966	6.75091	6.760791	6.69904	6.643116	6.646042	6.464545	6.466602	6.555153
ZMYM5	ENSG00000132950	0.3599	3.713995	5.357272	4.76E-05	0.000155	1.597194	3.397161	3.505362	3.359697	3.647423	3.602632	3.59692	3.617275	3.521314	3.82044	3.938405	3.854512	3.872611	4.179675	4.412116	4.297823	4.005409	4.065478	4.170642
USPL1	ENSG00000132952	-0.16588	4.944462	-2.86104	0.010603	0.018602	-4.03275	5.139438	4.984658	5.022058	4.790984	4.681813	4.735009	5.009762	4.949799	4.837409	5.162464	5.097884	5.168603	5.117597	5.152279	4.972896	4.956223	4.984438	5.098903
XPO4	ENSG00000132953	-0.41268	5.89614	-6.68562	3.32E-06	1.53E-05	3.953993	5.960231	5.973524	5.899874	5.601826	5.488499	5.783733	5.907184	5.75257	5.690258	6.240783	6.351367	6.106104	5.771154	5.824769	5.694537	6.190474	6.087109	6.259301
POMP	ENSG00000132963	-0.18255	7.023264	-1.73901	0.099614	0.137428	-6.34886	7.34025	7.290284	7.187174	7.229802	7.103755	7.097645	7.976562	8.038633	8.06848	6.663527	6.642742	6.687915	6.372513	6.445625	6.45916	6.643559	6.655652	6.735068
CDK8	ENSG00000132964	0.711624	4.016349	9.379436	3.08E-08	2.95E-07	9.116425	3.613482	3.976101	3.81026	4.384261	4.267295	4.57438	4.825625	4.814082	4.776822	3.403229	3.250939	3.426222	4.147483	3.981932	4.024267	4.199264	4.242761	4.280507
HMGB1P5	ENSG00000132967	-0.39133	1.744169	-2.81781	0.011625	0.020183	-3.34107	2.137484	2.068355	1.921989	1.888135	1.909591	2.258349	1.917967	2.324112	2.376228	2.338465	2.355385	2.328504	2.079215	1.681564	1.801384	2.448672	2.37332	2.277588
WASF3	ENSG00000132970	0.448253	-0.03381	1.545597	0.140116	0.185385	-5.15966	4.635242	4.673038	4.662041	4.87551	5.235346	5.219282	4.96291	4.62424	4.606245	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
RNF17	ENSG00000132972	-0.21468	-0.33091	-2.2131	0.040459	0.06146	-4.85295	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.920163	4.117695	3.743789	3.599754	3.772912	3.6725	3.423579	3.449945	3.716682
CHRM3	ENSG00000133019	0.98206	0.925324	6.85463	2.41E-06	1.17E-05	4.925452	0.41387	0.215206	0.421314	0.841981	0.92021	0.984419	0.670238	0.509405	0.925731	2.589954	2.687979	2.522234	3.236398	3.512154	3.244428	3.439417	3.225651	3.31642
MYH10	ENSG00000133026	0.715203	2.069825	4.199472	0.00057	0.001379	-0.33592	3.643304	3.759847	3.906009	4.63346	4.537243	4.580436	4.245129	4.119235	4.198517	1.116489	1.112482	1.061592	0.982856	1.032323	1.209118	0.837776	1.118494	1.058313
PEMT	ENSG00000133027	-0.47359	4.756198	-7.32039	1.01E-06	5.54E-06	5.383179	5.37392	5.358041	5.455144	4.772209	4.888929	4.751204	5.043928	5.103252	4.956916	4.652797	4.588222	4.835713	4.404034	4.403337	4.288734	4.570409	4.65292	4.515429
SCO1	ENSG00000133028	-0.05778	6.492432	-0.89785	0.381467	0.446115	-7.37096	6.792225	6.77608	6.809001	6.633339	6.489925	6.590627	6.802362	6.945833	6.799125	6.245675	6.232588	6.328875	6.307533	6.430582	6.34869	6.257897	6.185314	6.189767
MPRIP	ENSG00000133030	-0.81058	8.343785	-4.58897	0.000244	0.000651	-0.68067	8.677737	8.609517	8.70668	7.172485	7.290392	7.196566	7.325376	7.224273	7.321223	9.107012	9.072934	9.029309	8.75926	8.722235	8.771389	9.130874	9.07962	9.087465
PIK3C2B	ENSG00000133056	-0.25836	4.856727	-2.18574	0.04271	0.064591	-5.35106	5.20423	5.253581	5.319453	5.046722	4.950037	5.195807	4.19533	4.203129	4.189248	5.190639	5.085124	5.133432	4.881128	4.827513	4.87608	5.007591	4.808944	4.99276
DSTYK	ENSG00000133059	0.044329	5.652472	0.925179	0.367471	0.43241	-7.19433	6.35657	6.296311	6.293448	6.286057	6.375108	6.31909	6.321164	6.314337	6.181159	5.004057	4.981528	5.035219	4.973543	5.180814	5.131289	5.17303	5.080907	5.022829
SLC41A1	ENSG00000133065	-0.24309	5.709762	-4.15949	0.000623	0.001486	-1.28466	6.572167	6.480468	6.562826	6.408639	6.212315	6.48967	6.702513	6.627726	6.629611	5.099011	5.14044	5.009585	4.737134	4.657043	4.851597	5.057193	4.971913	5.157678
TMCC2	ENSG00000133069	-0.05594	2.123492	-0.45013	0.65815	0.70849	-6.7137	2.867343	2.76681	2.661582	2.633943	3.093416	2.719893	2.513265	2.753138	2.34318	2.494552	2.174476	2.104662	2.096181	2.016959	2.257813	2.211015	2.054898	2.14716
DCLK1	ENSG00000133083	1.101189	3.150782	3.172867	0.005416	0.010221	-3.06967	3.443098	3.439663	3.231147	2.393052	1.718467	2.374422	2.779728	2.938616	2.82232	2.966925	3.166245	3.269454	4.973543	4.907298	5.071593	3.623987	3.503143	3.477085
COG6	ENSG00000133103	-0.09713	4.766906	-1.25975	0.224321	0.280055	-6.70311	5.37392	5.291319	5.16615	5.025739	4.992907	5.00189	5.136557	5.117737	5.046897	4.581075	4.566354	4.606974	4.512278	4.827513	4.635585	4.289412	4.247965	4.382594
SPART	ENSG00000133104	-0.00786	6.29875	-0.09695	0.923867	0.937759	-7.72539	6.847715	6.879841	6.820217	6.944119	6.8196	6.892695	7.174192	7.24091	7.187972	5.776643	5.768456	5.712202	5.699414	5.653954	5.701404	5.490603	5.515684	5.63013
EPSTI1	ENSG00000133106	-0.69048	4.26082	-4.17242	0.000605	0.00145	-1.0373	4.855064	4.791891	4.725456	3.237064	3.278066	3.391835	4.330652	4.373746	4.570996	4.346223	4.490971	4.524909	4.179675	4.293598	4.372859	4.700972	4.920695	4.775955
RFXAP	ENSG00000133111	-0.25172	2.321084	-1.98374	0.063219	0.091815	-5.04946	2.688195	2.966631	2.681399	2.291228	2.398361	2.196611	2.667326	2.848856	2.697131	2.635389	2.687979	2.745712	2.67247	2.714997	2.604018	2.384669	2.585506	2.252429
TPT1	ENSG00000133112	0.274841	10.44218	5.177463	6.94E-05	0.000214	0.501356	10.37478	10.36745	10.33083	10.84435	10.8201	10.80821	10.70546	10.72892	10.75266	10.2036	10.16548	10.09341	10.18626	10.277	10.27275	10.28782	10.34142	10.41828
GPALPP1	ENSG00000133114	-0.42525	4.629662	-6.26355	7.55E-06	3.12E-05	3.276545	4.833667	4.742796	4.89628	4.263984	4.149079	4.088331	4.101117	4.203129	4.16108	5.15208	5.162472	5.313568	4.910199	4.965115	4.947129	4.768358	4.808944	4.969789
RFC3	ENSG00000133119	-1.90399	5.495167	-16.5538	4.04E-12	3.23E-10	18.05105	5.71081	5.647129	5.613091	4.54774	4.384626	4.34463	5.601686	5.724453	5.653661	6.73571	6.497192	6.621069	4.379991	4.501207	4.431851	6.46067	6.37444	6.386167
STARD13	ENSG00000133121	0.176463	2.071359	0.724572	0.478303	0.541808	-6.52374	3.385444	3.286138	3.217639	2.661411	2.737798	2.961768	2.667326	2.389238	2.376228	1.52331	1.644832	1.73919	2.300295	2.307842	2.756856	1.992244	1.878239	1.703111
MORC4	ENSG00000133131	-0.46254	5.513477	-2.92437	0.00926	0.016476	-3.92887	6.573458	6.558629	6.535866	6.274985	6.214581	6.25428	5.891633	5.954347	5.851705	4.951137	5.038233	4.965822	4.407437	4.367677	4.346819	5.15875	5.269267	5.299535
BEX2	ENSG00000133134	-0.66868	1.251975	-1.75735	0.096359	0.133483	-4.90807	5.139438	5.018804	4.986657	4.727426	4.628433	4.440963	3.841036	4.040332	4.093134	0.54782	0.640699	0.683459	0.171976	0.190544	0.186984	0.738851	0.358227	0.497646
TBC1D8B	ENSG00000133138	0.569251	3.577837	4.630016	0.000224	0.000602	0.027015	2.996191	2.982098	2.5366	3.910405	3.901574	3.776446	2.779728	3.122225	3.181386	3.985951	4.013804	3.91004	4.215053	4.298341	4.381435	4.302461	4.353122	4.115895
TCEAL4	ENSG00000133142	0.188513	6.361375	2.684737	0.015403	0.025948	-4.58227	6.930673	7.010971	6.916375	7.053127	6.929888	7.00726	6.458379	6.642827	6.546761	5.778332	5.832457	5.747523	6.077005	6.165747	6.128197	5.812844	5.879817	5.930982
FAM104A	ENSG00000133193	0.472534	5.659502	10.1169	9.97E-09	1.18E-07	9.973751	4.71698	5.007511	4.795321	5.408686	5.399687	5.135391	5.396627	5.416115	5.416114	5.816639	5.88346	5.892483	6.352354	6.287632	6.332194	6.374733	6.415487	6.390498
SLC39A11	ENSG00000133195	0.883461	5.572351	21.90857	3.74E-14	1.13E-11	22.74125	4.522086	4.574447	4.531653	5.573188	5.488499	5.431804	5.049544	5.043815	4.940438	5.774953	5.708155	5.787039	6.599928	6.582188	6.546597	6.2921	6.239876	6.24183
EPHB2	ENSG00000133216	0.80791	5.032766	19.06222	3.88E-13	5.41E-11	20.39912	3.551922	3.516026	3.736403	4.316764	4.258538	4.427589	3.866715	3.913244	3.783962	5.869883	5.862677	5.87366	6.707345	6.669899	6.629936	6.32231	6.250286	6.142619
SRRM1	ENSG00000133226	-0.64517	6.6931	-14.8171	2.48E-11	1.18E-09	16.08863	6.961579	6.883963	6.964681	6.357074	6.327751	6.345999	6.556314	6.672564	6.709581	7.106222	6.967306	7.108435	6.446316	6.357472	6.358497	6.798962	6.885891	6.930146
BTBD2	ENSG00000133243	0.479714	6.06499	6.023022	1.22E-05	4.71E-05	2.57782	5.641082	5.612764	5.717553	5.89871	6.056841	5.804577	5.527156	5.435516	5.56328	6.028718	6.111977	6.292136	6.811816	6.785892	6.683803	6.628958	6.541621	6.44426
KMT5C	ENSG00000133247	-0.12422	2.933174	-1.29032	0.213748	0.268396	-6.30114	2.688195	2.76681	2.848472	2.605941	2.970101	2.924168	2.933443	2.540248	2.981126	3.463254	3.5985	3.764372	3.416036	3.348006	3.486261	3.366734	3.356678	3.135595
ZNF414	ENSG00000133250	0.145569	2.584716	1.111927	0.281231	0.342093	-6.30023	3.011517	3.027527	3.190238	2.81607	2.948483	3.18484	3.137083	3.178579	3.357206	2.18395	2.561038	2.546206	2.67247	2.714997	2.833866	2.652661	2.568968	2.200755
PDE6B	ENSG00000133256	0.797568	-0.82969	3.168179	0.005472	0.010317	-2.60436	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.256032	2.056133	2.249583	2.272125	3.013417	3.065945	2.846311	1.759719	2.33471	2.033602
HSPBP1	ENSG00000133265	-0.18722	6.147563	-2.81542	0.011684	0.020273	-4.33411	5.954295	5.965765	6.165618	5.737065	5.757614	5.506852	5.616898	5.560947	5.673738	6.631184	6.660053	6.758869	6.65392	6.595738	6.602688	6.564521	6.438428	6.204601
CSNK1G2	ENSG00000133275	0.19526	5.681151	2.492193	0.022999	0.037128	-4.88992	5.641082	5.582643	5.774017	5.803295	5.957528	5.807161	5.687041	5.535999	5.54523	5.35583	5.684664	5.673276	5.865704	5.690495	5.75519	5.833967	5.966024	5.622786
SLF1	ENSG00000133302	0.273155	5.456224	0.771437	0.450752	0.514882	-7.22572	5.454629	5.607787	5.530827	6.996285	6.768082	6.880476	6.937237	6.939052	6.896307	5.101711	5.110531	5.058324	3.799417	3.724396	3.629946	4.790139	4.936897	4.874064
CNDP2	ENSG00000133313	0.186669	7.049455	3.72239	0.001626	0.00349	-2.48655	6.733361	6.722987	6.794289	6.701082	6.772703	6.801024	6.512251	6.53903	6.605426	7.356791	7.270921	7.288423	7.628439	7.651633	7.590982	7.434642	7.329286	7.365897
MACROD1	ENSG00000133315	0.027464	3.886942	0.129234	0.898648	0.91726	-7.35332	3.983545	4.073175	4.102541	2.577385	3.033076	2.845893	3.774765	3.833587	3.924645	3.968304	4.01918	4.275306	4.624704	4.739573	4.631995	4.522885	4.660745	4.317368
WDR74	ENSG00000133316	-0.29937	6.228601	-5.05533	8.99E-05	0.000269	0.509131	5.825812	5.885792	5.869964	5.218368	5.367468	5.30954	5.519082	5.535999	5.619566	7.008883	6.946999	7.064503	6.852324	6.875902	6.856765	7.015183	6.894213	6.846449
RTN3	ENSG00000133318	0.206145	7.19268	5.097367	8.22E-05	0.000249	0.523754	6.795549	6.788229	6.755086	7.202013	7.001181	7.077449	6.980512	7.091148	7.056524	7.322477	7.352512	7.377129	7.44692	7.464912	7.494461	7.492248	7.456108	7.49954
PLAAT4	ENSG00000133321	-0.09927	2.607515	-1.14988	0.265686	0.325464	-6.84595	1.069823	1.374745	1.146821	1.182548	0.92021	1.123626	0.415731	0.824004	0.735084	5.432908	5.283572	5.506132	5.354592	5.27526	5.33267	5.494399	5.522142	5.428683
PLAAT2	ENSG00000133328	-0.95995	-0.41084	-3.4055	0.003261	0.006477	-2.03498	0.503316	0.875715	0.512639	0.258133	0.106501	0.2349	0.106501	0.106501	0.629397	2.30136	2.23117	2.34226	1.838325	1.710321	1.695314	1.880661	1.766644	2.226823
CEP20	ENSG00000133393	-0.41808	6.154002	-10.6409	4.63E-09	6.40E-08	10.75252	6.56958	6.579116	6.527679	6.171319	6.263548	6.070736	6.671888	6.793275	6.782272	5.963411	5.95393	5.944141	5.513008	5.499826	5.559343	6.059528	6.065166	6.17478
MED10	ENSG00000133398	-0.33508	5.763298	-5.28247	5.57E-05	0.000177	1.097076	6.1847	6.088736	6.1372	5.768983	5.547207	5.628736	6.073542	6.136086	5.923331	5.828099	5.776414	5.660978	5.588386	5.534411	5.542234	5.580838	5.576928	5.659138
MORC2	ENSG00000133422	0.030119	6.218577	0.74506	0.466137	0.529526	-7.4996	5.866415	5.944211	5.8172	5.890028	5.979012	6.024845	5.67619	5.692556	5.806958	6.658951	6.71988	6.602612	6.685792	6.643116	6.619099	6.608965	6.518123	6.55129
LARGE1	ENSG00000133424	0.73021	-1.29267	1.934271	0.069437	0.099748	-4.46914	1.861169	2.009193	1.853768	2.791417	2.633282	2.865864	2.186178	1.988058	2.239236	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.19538	0.106501
MYO18B	ENSG00000133454	-0.16837	-0.65312	-0.52164	0.608471	0.664707	-6.40773	0.587539	0.582935	0.421314	0.106501	0.106501	0.2349	0.106501	0.509405	0.256032	1.52331	1.875739	1.585733	1.99126	1.970168	1.826726	1.571317	1.795362	1.58715
SLC2A11	ENSG00000133460	1.254848	2.438878	8.279932	1.86E-07	1.31E-06	7.378808	1.990546	2.039077	2.166567	2.393052	2.155834	2.557474	1.917967	1.85606	1.873138	3.002038	3.166245	2.796562	4.34138	4.354074	4.385705	2.494877	2.755911	2.84714
C1QTNF6	ENSG00000133466	2.829396	4.962081	42.09967	5.11E-19	3.64E-15	32.28392	4.654895	4.701347	4.804386	7.542059	7.494372	7.439128	6.283529	6.335147	6.321389	2.392392	2.766797	2.693003	5.19838	5.173088	5.296849	4.01601	3.870083	3.840032
SEC14L4	ENSG00000133488	0.438209	0.561066	0.958351	0.350956	0.415275	-5.8671	2.296082	2.258179	2.300736	2.97776	3.378481	2.924168	2.576877	2.389238	2.560038	0.415169	0.583785	0.639567	0.5125	0.345231	0.186984	0.837776	1.329561	0.872651
ZDHHC8P1	ENSG00000133519	1.775172	-0.12056	7.94554	3.31E-07	2.14E-06	6.93858	0.318509	0.316291	0.512639	1.326771	1.498102	1.188496	0.269385	0.106501	0.39151	1.278001	1.588084	1.46518	2.529911	2.729118	2.544166	1.286141	1.2488	1.058313
ADCK2	ENSG00000133597	-0.66391	4.270205	-7.06583	1.62E-06	8.29E-06	5.008333	5.197545	5.29442	5.183625	4.576883	4.515354	4.351728	4.367093	4.637703	4.654189	4.177304	4.061483	4.246333	3.669424	3.752319	3.578659	4.147172	3.986735	3.906054

MKRN1	ENSG00000133606	0.120752	6.598284	1.731421	0.100989	0.139082	-6.36439	6.413925	6.523385	6.418267	6.312288	6.210046	6.328116	6.341911	6.267473	6.240692	6.747828	6.81645	6.831992	7.120391	7.108382	7.163789	6.71443	6.689514	6.801623
AGAP3	ENSG00000133612	0.366917	6.123453	5.153281	7.31E-05	0.000224	0.749657	5.797357	5.785783	5.783216	6.149661	6.557529	6.337085	6.054115	5.891111	5.842866	6.118119	6.152903	6.198812	6.446316	6.310116	6.351966	6.341403	6.324822	6.166386
KRBA1	ENSG00000133619	-0.16334	4.064878	-1.92745	0.070336	0.100835	-5.47425	5.243701	5.328095	5.417238	5.072529	5.208315	5.151751	5.109925	4.68386	4.912549	3.50465	3.26005	3.325935	3.296351	3.272884	3.19663	3.254827	2.947209	2.928814
ZNF767P	ENSG00000133624	-0.03691	2.943483	-0.34255	0.736025	0.779005	-6.99428	3.541402	3.461896	3.707702	3.237064	3.394558	3.335661	3.423261	3.023117	3.323715	3.013555	3.065914	2.845681	3.165832	3.141796	3.010124	2.432936	2.552239	2.687355
ACTR3B	ENSG00000133627	-0.06978	4.603738	-0.8855	0.387907	0.452866	-7.06852	4.933595	4.945746	5.11242	4.97738	5.217382	5.151751	4.758625	4.709588	4.751857	4.468423	4.435757	4.706059	4.241981	4.354074	4.351192	4.374256	4.184245	4.305185
NTS	ENSG00000133636	0.53145	1.226667	2.946706	0.008827	0.015793	-2.74754	7.376953	7.374006	7.306824	7.923688	7.847433	7.909182	7.19841	7.247511	7.177464	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
BTG1	ENSG00000133639	0.276121	6.87373	2.590057	0.018778	0.030945	-4.79554	7.24378	7.426532	7.393475	7.917294	7.874194	7.922353	7.85994	7.941556	7.98725	6.112774	6.15168	6.133064	6.098213	6.074684	6.026606	5.928183	6.032367	5.874386
C12orf29	ENSG00000133641	-0.02982	5.364044	-0.46371	0.648579	0.700039	-7.50497	5.449012	5.455446	5.366116	5.55133	5.539998	5.331249	5.757368	5.874148	5.683673	5.240498	5.240494	5.332646	5.113436	5.216333	5.205617	5.189513	5.324498	5.332922
ATP13A3	ENSG00000133657	-0.43148	7.834838	-3.5488	0.002382	0.004906	-2.89782	8.039044	8.061542	8.02975	7.473009	7.335852	7.535008	8.606188	8.573618	8.504196	7.815693	7.849324	7.745223	7.520248	7.453794	7.583103	7.655822	7.65186	7.715154
TMEM254	ENSG00000133678	-0.25316	4.755387	-3.50706	0.00261	0.005325	-2.53654	5.87482	5.809819	5.841623	5.359221	5.438974	5.468184	5.574674	5.423907	5.50844	3.980092	4.190981	4.108233	4.122859	4.073319	4.072733	3.934535	3.923096	4.022248
TMTC1	ENSG00000133687	2.227191	1.207203	6.176703	8.96E-06	3.61E-05	3.759678	6.169409	6.249149	6.162096	8.531853	8.353828	8.498	7.098998	7.232061	7.159779	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
KRAS	ENSG00000133703	-2.21582	6.421537	-14.8979	2.27E-11	1.11E-09	16.22693	6.332364	6.255527	6.304671	4.857809	5.089893	5.033133	6.41117	6.450256	6.476114	7.893333	7.917847	7.816562	5.19838	5.231292	5.319341	7.752893	7.792049	7.864804
IPO8	ENSG00000133704	0.333674	6.491479	2.84953	0.010866	0.019004	-4.3016	6.00877	5.948154	6.074887	6.8048	6.832934	6.726528	5.817858	5.663233	5.830996	6.834795	6.912025	6.823435	6.861035	6.834867	6.902174	6.721734	6.746696	6.813498
LARS1	ENSG00000133706	-0.59194	8.171455	-12.9098	2.27E-10	5.91E-09	13.70525	8.209456	8.253404	8.252674	7.836758	7.724835	7.862733	8.14211	8.100712	8.058334	8.643444	8.63323	8.634738	7.909069	7.881179	7.937343	8.382809	8.313012	8.405009
SPINK5	ENSG00000133710	-1.28448	0.390719	-4.73468	0.000178	0.000493	0.76096	1.235614	1.173893	0.756332	0.52061	0.389229	0.106501	0.782422	0.726566	0.256032	2.635389	2.935512	2.615819	1.858352	1.871771	2.07955	2.317694	2.518186	2.252429
IMPA1	ENSG00000133731	-0.29973	5.064544	-4.89844	0.000126	0.000361	0.416476	5.731782	5.697188	5.767078	5.350809	5.296516	5.242382	5.712047	5.755661	5.653661	4.652797	4.768219	4.687318	4.460809	4.596713	4.649854	4.681127	4.641102	4.656368
LRRCC1	ENSG00000133739	-0.14174	3.611106	-0.95453	0.352833	0.417253	-6.86151	2.917019	2.870177	2.830836	3.70135	3.6964	3.510758	3.178682	3.40015	3.00245	4.434552	4.415514	4.369004	3.835226	3.958151	3.996621	4.426844	4.348284	4.399883
E2F5	ENSG00000133740	0.345646	5.269209	5.885631	1.61E-05	5.98E-05	2.413836	5.104131	5.130591	5.27123	5.342348	5.355198	5.404757	4.998191	5.319175	5.021009	5.185557	5.321056	5.28001	5.7445	5.750567	5.589266	5.246891	5.26414	5.21089
CCDC59	ENSG00000133773	-1.28185	5.474524	-11.2192	2.06E-09	3.29E-08	11.66736	6.54082	6.537848	6.476139	4.809518	4.764552	4.745826	5.609312	5.623184	5.741885	5.80177	5.714797	5.820595	4.917376	4.938017	4.935528	5.375946	5.401238	5.431488
SWAP70	ENSG00000133789	0.108857	4.69951	1.507951	0.14943	0.196304	-6.42745	4.876148	4.847837	4.662041	4.821743	4.600983	4.598452	4.19533	4.212157	4.235006	4.902409	4.936777	4.895252	5.127945	5.12584	5.229565	4.802439	4.833383	4.72199
ARNTL	ENSG00000133794	0.499178	3.684994	2.865793	0.010496	0.018433	-3.78477	2.850396	2.950996	2.720234	4.40878	3.89028	4.308605	3.632324	3.506713	3.124172	4.14101	4.186209	4.235316	4.15964	4.259953	4.232958	4.103106	3.916575	3.87342
AMPD3	ENSG00000133805	-0.63932	2.532464	-2.93926	0.008969	0.016011	-3.47778	2.9807	2.886707	2.720234	1.256461	1.2379	1.475193	1.240874	1.710758	1.50602	3.673879	3.981119	3.819506	3.575762	3.393046	3.556108	4.117945	4.189664	4.203832
NA	ENSG00000133808	-0.43651	-0.0738	-1.46905	0.159588	0.20779	-5.49178	1.235614	1.226787	1.30847	0.52061	0.625525	0.461789	0.269385	0.387194	0.256032	1.278001	1.529011	1.67541	1.473091	1.495836	1.580823	1.599785	1.478665	1.546329
SBF2	ENSG00000133812	0.439953	4.608328	5.864779	1.68E-05	6.21E-05	2.575905	5.259834	5.120143	5.204319	5.510375	5.529116	5.503669	5.29153	5.241941	5.392079	3.709722	3.953305	3.519989	4.319876	4.179969	4.297823	4.117945	4.071361	3.945834
MICAL2	ENSG00000133816	-0.83169	6.126115	-4.97377	0.000107	0.000313	0.353869	6.717094	6.69158	6.670856	5.687824	5.651233	5.651925	5.248226	5.228657	5.207006	6.682591	6.649691	6.662781	6.028115	5.961126	6.077636	6.632407	6.608892	6.624204
RRAS2	ENSG00000133818	-0.88197	5.231812	-8.83095	7.41E-08	6.16E-07	8.007609	6.057576	6.083368	6.091646	4.960893	4.795153	4.78306	5.704947	5.650007	5.716303	5.309864	5.235883	5.28001	4.647902	4.693507	4.912042	5.036515	5.015283	4.942519
HSD17B4	ENSG00000133835	0.228551	6.868112	3.630833	0.001989	0.004186	-2.6384	7.29478	7.335389	7.239075	7.401507	7.31805	7.346227	7.262685	7.401454	7.351659	6.335594	6.265758	6.337486	6.71148	6.624351	6.769611	6.31589	6.224119	6.333156
ZFC3H1	ENSG00000133858	0.66228	5.614924	7.315853	1.02E-06	5.58E-06	5.220008	5.356021	5.29442	5.363051	5.812513	5.960231	5.982028	5.904087	5.871301	6.015365	5.218274	5.487385	5.180139	5.98094	5.961126	6.018381	5.315009	5.456227	5.448204
TEX15	ENSG00000133863	-1.29474	2.040762	-9.15637	4.38E-08	4.00E-07	8.721012	0.667115	0.940485	0.679585	0.742604	1.164793	1.188496	0.782422	0.726566	0.629397	5.144243	5.155166	4.98568	3.870167	3.560336	3.740748	4.838721	4.952919	5.033946
SARAF	ENSG00000133872	0.655577	7.758836	9.995406	1.20E-08	1.37E-07	9.621295	7.485208	7.507589	7.415088	8.261547	8.100549	8.225959	8.087873	8.082368	8.122432	7.384775	7.342897	7.378382	7.927552	7.947221	7.971473	7.522303	7.516109	7.506873
RNF122	ENSG00000133874	-0.10115	0.703142	-0.41547	0.682855	0.731051	-6.4861	0.742531	0.875715	0.829201	1.393812	1.373859	1.367251	1.074544	1.301009	1.564539	1.940223	2.053933	2.055402	1.548989	1.560439	1.423614	1.784732	1.513652	1.626848
DPF2	ENSG00000133884	-0.21902	6.368748	-5.81581	1.85E-05	6.74E-05	2.123058	6.090422	6.061694	5.997956	5.762655	5.782263	5.778475	6.148732	6.048077	6.185827	6.844501	6.829514	6.872255	6.708725	6.64591	6.65137	6.850218	6.806114	6.909169
MEN1	ENSG00000133895	0.046061	5.657536	0.797767	0.435711	0.500244	-7.40593	5.075249	5.095468	5.071705	5.290513	5.024245	4.854763	4.751751	4.709588	4.889843	6.365112	6.371473	6.463205	6.511002	6.39449	6.555151	6.435225	6.296221	6.275002
ERG28	ENSG00000133935	0.644023	4.903635	11.40107	1.60E-09	2.71E-08	11.95016	3.903656	3.912946	4.003689	4.392481	4.439897	4.531264	4.688362	4.796183	4.819498	5.096306	5.085124	5.103452	5.771154	5.752296	5.756839	5.629975	5.786343	5.774091
DGLUCY	ENSG00000133943	0.557229	4.003503	9.108546	4.73E-08	4.26E-07	8.547116	3.288121	2.90305	3.013906	3.898911	3.588725	3.535905	3.33403	3.26787	3.162566	4.803043	4.732663	4.654613	5.248563	5.173088	5.267074	4.657623	4.687803	4.744721
NUMB	ENSG00000133961	0.102521	6.231461	1.421563	0.172752	0.222408	-6.76614	6.057576	5.987002	5.935379	6.01507	5.815483	5.935541	6.164346	6.310139	6.258527	6.314798	6.450203	6.352858	6.593968	6.574388	6.611828	6.355036	6.387466	6.406268
COX16	ENSG00000133983	0.424468	1.489194	2.149403	0.045878	0.068784	-4.48681	2.021155	2.039077	2.621113	2.518519	2.737798	2.719893	2.607661	2.801791	2.501332	1.388276	1.55885	1.46518	1.498836	1.871771	1.51998	1.354562	1.547811	0.999041
TTC9	ENSG00000133985	-0.54427	4.416309	-5.51318	3.44E-05	0.000116	1.540432	2.109269	1.978677	2.248556	2.661411	2.264801	2.196611	1.389995	1.15884	1.171446	7.711267	7.692444	7.739386	7.110509	7.096177	7.151305	7.513913	7.507456	7.471878
MED6	ENSG00000133997	-0.57565	4.94366	-8.83975	7.30E-08	6.08E-07	7.987409	4.961483	4.710662	4.970641	4.062381	4.040879	4.162865	4.225415	4.332946	4.17992	5.745902	5.876072	5.988557	5.373851	5.451674	5.435088	5.46375	5.422105	5.531613
EIF2S1	ENSG00000134001	-0.3431	7.621258	-10.8859	3.27E-09	4.83E-08	10.96233	7.453996	7.501564	7.465247	7.099051	7.007728	7.098701	7.354028	7.394531	7.294459	8.122679	8.082571	8.100015	7.813889	7.808647	7.806529	7.959229	7.954845	8.005095
LOXL2	ENSG00000134013	-1.14508	6.43158	-4.56449	0.000258	0.000682	-0.39675	8.838102	8.847924	8.910901	7.206682	7.295752	7.19952	8.182927	8.18107	8.201775	4.588795	4.5846	4.491347	4.404034	4.459468	4.279586	5.64542	5.465192	5.557523
ELP3	ENSG00000134014	0.091847	5.586195	1.820789	0.085804	0.120369	-6.08394	5.736401	5.869251	5.651273	5.743505	5.671168	5.781107	5.444307	5.488491	5.493457	5.485546	5.631248	5.643029	5.816647	5.717306	5.758486	5.382106	5.324498	5.470195
CTIF	ENSG00000134030	1.227093	5.285253	10.3985	6.58E-09	8.38E-08	10.63411	6.769868	6.833697	6.848977	7.939201	7.965814	7.927707	7.449521	7.27146	7.352698	2.955028	2.804649	2.930089	4.290695	4.11155	4.351192	3.053433	3.034117	2.84714
MBD2	ENSG00000134046	0.990743	5.728812	20.09008	1.61E-13	2.86E-11	21.28201	4.91334	4.988492	4.946277	6.087736	6.041607	6.087841	5.952856	5.907876	6.017985	5.264796	5.363942	5.265644	6.152952	6.176092	6.133284	6.038884	6.18667	6.123666
IER3IP1	ENSG00000134049	-0.29345	4.854543	-3.21262	0.004968	0.009446	-3.19773	5.49062	5.477439	5.506038	5.428807	5.367468	5.471446	5.661594	5.698992	5.690258	4.596474	4.506366	4.654613	3.95166	4.078843	4.104162	4.161567	4.263465	4.286716
MRPS36	ENSG00000134056	-0.08981	4.937705	-1.1567	0.26296	0.322763	-6.84831	5.246942	5.355074	5.284248	5.213737	5.059965	5.068031	5.42715	5.581992	5.37991	4.721121	4.784095	4.703397	4.621778	4.78759	4.79173	4.619897	4.592839	4.525965
CCNB1	ENSG00000134057	-1.43199	6.360178	-6.95071	2.01E-06	1.00E-05	4.495882	6.923601	6.867402	6.828017	6.303597	6.259165	6.287974	7.287852	7.369533	7.306296	6.759845	6.619038	6.664151	4.407437	4.425185	4.539229	6.69064	6.610913	6.756478
CDK7	ENSG00000134058	0.426845	5.312738	4.431877	0.000344	0.00088	-0.68283	5.420591	5.485601	5.41428	5.517909	5.371535	5.494077	5.444307	5.477302	5.534291	4.893087	4.836805	4.758301	5.541158	5.556356	5.602165	5.325701	5.246049	5.388831
IRAK2	ENSG00000134070	-2.08966	4.12689	-11.5758	1.27E-09	2.27E-08	12.35176	5.343965	5.343146	5.22134	2.548252	2.881616	2.581827	4.293266	4.090149	4.261781	4.986631	4.887657	5.000938	3.388755	3.568213	3.272365	4.796302	4.870969	4.827974
CAMK1	ENSG00000134072	-0.55776	2.444728	-4.09408	0.000719	0.001688	-0.65668	4.212988	4.058659	4.307715	3.503067	3.643567	3.689474	3.965091	3.856799	4.00079	1.676063	1.616737	1.780195	1.548989	1.282615	1.51998	1.880661	2.101639	1.58715
THUMPD3	ENSG00000134077	-0.0268	6.116091	-0.65781	0.519231	0.581273	-7.53468	6.048317	6.097639	6.054137	5.980046	5.943937	5.887507	6.042896	6.085402	5.994232	6.275876	6.290423	6.188378	6.310262	6.305411	6.284978	6.280056	6.222798	6.183125
VHL	ENSG00000134086	-0.25083	5.929996	-4.35653	0.000405	0.001016	-0.96556	6.111912	6.206989	6.104547	5.827747	5.754503	5.702775	5.61311	5.612996	5.709835	6.072047	6.23143	6.139972	5.977511	6.038288	6.005955	6.010007	5.997261	6.06346
BHLHE40	ENSG00000134107	-0.07153	7.591581	-0.85303	0.40518	0.470349	-7.51418	7.520453	7.459365	7.420994	7.706841	7.678807	7.685159	7.807039	7.718181	7.805844	7.507959	7.528702	7.606404	7.247323	7.216952	7.187213	7.918844	7.89183	7.881311
ARL8B	ENSG00000134108	-0.0504	6.598263	-1.0052	0.328514	0.39191	-7.28578	6.636598	6.641322	6.570816	6.69611	6.578791	6.718313	6.707851	6.929505	6.821794	6.600965	6.563087	6.613289	6.457847	6.454151	6.451034	6.605459	6.492044	6.506769
EDEM1	ENSG00000134109	-0.54489	5.89168	-4.80741	0.000153	0.000429	0.060317	5.940349	5.916304	6.013674	5.955291	5.77614	5.949645	6.202659	6.232407	6.133632	6.164057	6.263495	6.055851	5.219825	5.185942	5.303633	6.027141	5.991068	6.18146
CHL1	ENSG00000134121	3.266826	1.342941	6.465836	5.08E-06	2.21E-05	4.289775	4.081197	4.197635	4.065319	7.512197	7.285011	7.480193	6.794021	6.711283	6.694921	0.190076	0.259702	0.16959	0.234608	0.190544	0.263213	0.106501	0.19538	0.214669
MEIS2	ENSG00000134138	0.764511	4.227275	4.456013	0.000326	0.000841	-0.3896	3.765853	3.855322	3.773804	5.161789	5.133653	5.199746	4.845133	4.709588	4.764393	4.03198	4.056262	4.063257	4.163669	4.200384	4.174939	3.865871	3.890192	3.914098
DPH6	ENSG00000134146	-0.19644	3.785215	-1.94673	0.067822	0.097704	-5.41856	4.450796	4.564207	4.357835	4.020568	4.030628	4.079806	4.358069	4.741115	4.364168	3.437834	3.447177	3.48321	3.475595	3.495729	3.556108	3.470581	3.467897	3.31642
KATNBL1	ENSG00000134152	-0.64856	5.803152	-9.27133	3.65E-08	3.42E-07	8.582098	5.596044	5.37864	5.49208	4.772209	4.648682	4.656929	4.737903	4.690335	4.694053	7.383111	7.182643	7.240101	6.638802	6.699783	6.735731	6.02583	6.235953	6.23221
EMC7	ENSG00000134153	0.118725	6.831687	1.408229	0.176603	0.226894	-6.81796	7.092555	7.067345	7.044316	7.564966	7.457541	7.444118	7.419472	7.483899	7.428505	6.45866	6.443221	6.450559	6.229912	6.245274	6.281546	6.368542	6.319888	6.420456
GSTM1	ENSG00000134184	-0.16569	0.503159	-0.79492	0.437323	0.501917	-6.00315	5.895619	5.936292	5.939499	5.818626	5.745129	5.757249	5.872748	5.967735	5.972785	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PRPF38B	ENSG00000134186	0.071171	5.844977	0.917679	0.371277	0.435916	-7.27378	5.565217	5.564777	5.668751	5.952514	5.806499	5.830214	6.15916	6.138456	6.155213	5.92581	5.942657	5.86177	5.812803	5.808237	5.838529	5.870936	5.847615	5.927013
TSPAN2	ENSG00000134198	0.955566	0.663435	3.029163	0.007392	0.013494	-3.0586	1.069823	0.940485	1.358564	0.395333	0.828511	0.2349	0.106501	0.726566	0.735084	2.444376	2.249583	2.382761	3.60569	3.436722	3.644271	1.926335	2.37332	2.06284
GSTM3	ENSG00000134202	-0.06892	4.574859	-0.70061	0.492769	0.555394	-6.79034	7.266314	7.274668	7.210378	7.155682	7.119559	7.108163	7.647682	7.645069	7.64057	2.100009	2.011405	1.969371	2.24051	2.344993	2.294605	2.317694	2.146913	2.326628
VAV3	ENSG00000134215	0.831483	3.882081	6.963449	1.96E-06	9.80E-06	4.860551	4.066597	4.051346	3.83701	4.350907	4.515354	4.480358	4.101117	4.203129	4.132351	3.17611	3.569479	3.36689	4.287006	4.581228	4.381435	3.508614	3.765107	3.352387
PSRC1	ENSG00000134222	-0.82491	3.526032	-5.52236	3.38E-05	0.000114	2.06425	4.029438	4.014214	3.947516	3.77864	3.31232	3.643939	3.617275	3.773871	3.733845	3.614613	3.942027	3.886761	2.977243	2.714997	2.846311	4.057652	3.85652	4.066226
SORT1	ENSG00000134243	0.979579	6.404709	6.206642	8.45E-06	3.43E-05	2.898081	4.69816	4.835117	4.691656	6.504656	6.530503	6.555706	4.944941	4.843429	4.860948	7.23171	7.356233	7.187248	7.843705	7.780532	7.804936	7.373095	7.334799	7.355597
WNT2B	ENSG00000134245	-0.66291	0.189313	-2.18837	0.042489	0.064297	-4.2262	1.791852	1.708084	1.921989	0.841981	1.087782	0.746642	1.160105	1.231675	1.674905	0.934589	1.029669	1.027938	1.018891	1.2438	1.08859	0.576451	0.759002	1.058313
PTGFRN	ENSG00000134247	0.956468	3.40667	3.002007	0.007838	0.014203	-2.924	6.416805	6.305561	6.320555	7.473009	7.407913	7.395144	6.686381	6.636135	6.573723	1.239286	1.467416	1.027938	0.5125	0.888753	1.002253	1.017342	1.206659	1.322858
LAMTOR5	ENSG00000134248	0.054171	6.386318	0.766855	0.453402	0.517411	-7.43435	6.98603	6.950339	6.935067	7.206682	7.256706	7.19064	7.194613	7.207443	7.208762	5.847534	5.78433	5.77821	5.57332	5.605024	5.652638	5.747551	5.603561	5.588012
NOTCH2	ENSG00000134250	0.122249	6.908964	1.576009	0.132951	0.17721	-6.63313	6.304638	6.117033	6.191761	6.502759	6.389218	6.618851	6.485567	6.493476	6.519286	7.56875	7.627048	7.41016	7.560153	7.461215	7.549725	7.324349	7.234815	7.240356
TRIM45	ENSG00000134253	-0.04489	2.536319	-0.23629	0.815956	0.847596	-6.97733	2.345296	2.232543	2.194417	2.766336	2.520598	2.741673	2.981245	2.801791	2.846105	3.394446	3.287042	3.332842	3.039964	2.875953	3.106389	2.494877	2.500854	2.59029
CEPT1	ENSG00000134255	-0.14146	4.724881	-2.31475	0.033018	0.05129	-5.06359	4.820675	4.852052	4.804386	4.487626	4.416469	4.473866	4.723921	4.747338	4.732845	4.893087	4.836805	4.950186	4.863895	4.997558	4.85468	4.882828	4.833383	4.878182
VTCN1	ENSG00000134258	0.715211	-0.27075	3.764101	0.001484	0.003213	-1.52263	0.503316	0.316291	0.421314	0.52061	0.389229	0.106501	0.106501	0.106501	0.106501	2.620402	2.924094	2.604447	3.36795	3.637228	3.421201	1.286141	1.513652	1.775544
AP4B1	ENSG00000134262	0.191626	3.591197	2.338053	0.031502	0.04916	-4.75421	3.313074	3.461896	3.217639	3.661095	3.531716	3.786958	3.788265	3.605944	3.90213	3.730807	3.854512	3.819506	3.918659	3.799921	3.916269	3.737235	3.88352	3.87342
NAPG	ENSG00000134265	-0.37115	5.688731	-7.16444	1.35E-06	7.09E-06	4.889431	5.525735	5.602793	5.589687	4.93299	5.084948	4.97456	5.30568	5.224202	5.131593	6.319445	6.335294	6.281465	6.084464	6.041121	6.077636	6.107404	6.137047	6.18645
SPIRE1	ENSG00000134278	0.143384	6.015433	3.844551	0.001243	0.002739	-2.11272	5.583279	5.683061	5.776322	5.772136	5.754503	5.817452	5.628203	5.695778	5.566863	6.354963	6.289311	6.307119	6.487887	6.492942	6.471263	6.336125	6.398038	6.285892
PPHLN1	ENSG00000134283	0.290142	6.144018	6.353558	6.32E-06	2.67E-05	3.278371	6.335412	6.313225	6.142572	6.667608	6.508511	6.455483	6.481417	6.497174	6.478018	5.759646	5.696457	5.829169	6.044597	6.058	6.065712	5.847385	5.919494	5.878503
FKBP11	ENSG00000134285	0.282404	3.760717	2.680925	0.015527	0.026129	-3.96567	4.450796	4.57954	4.569365	4.740363	4.971631	4.927828	5.253102	5.112925	5.296047	3.134522	2.727926	2.627101	2.940139	2.888589	2.846311	3.063688	2.99751	2.990979
ARF3	ENSG00000134287	-0.00538	7.76464	-0.1216	0.9046	0.92175	-7.91337	7.621923	7.656598	7.613795	7.532793	7.386972	7.608707	7.433501	7.392547	7.452914	7.952869	7.99354	7.990438	8.07497	8.061487	8.072583	8.005181	8.040183	7.997544
TMEM106(	ENSG00000134291	0.131648	6.244891	1.25184	0.227123	0.283143	-6.92159	6.707715	6.657066	6.628099	7.189095	7.064098	7.197551	7.086758	7.094814	7.090526	5.638424	5.566627	5.63047	5.399705	5.322591	5.231938	5.726727	5.793479	5.782904
SLC38A2	ENSG00000134294	-0.13152	8.581485	-1.17506	0.255732	0.31484	-7.24107	9.146502	9.09754	9.072517	9.220866	9.157823	9.197494	9.550492	9.568726	9.627232	8.178102	8.137983	8.102796	7.797127	7.746662	7.754245	7.657939	7.726922	7.805496
PLEKHA8P	ENSG00000134297	-0.21245	2.25209	-1.94042	0.068635	0.098665	-5.10435	2.833249	2.71221	2.739267	2.255624	2.299368	2.429135	2.696258	2.596487	2.309357	2.444376	2.646894	2.53427	2.566893	2.642244	2.399663	2.679583	2.447571	2.442395
YWHAQ	ENSG00000134308	-0.07331	8.596689	-2.22254	0.039707	0.060454	-5.67394	8.590492	8.618514	8.57648	8.508882	8.436712	8.427525	8.492748	8.541299	8.487279	8.645527	8.643927	8.692266	8.619383	8.673551	8.646644	8.771356	8.707991	8.729229
KIDINS220	ENSG00000134313	0.451934	6.205171	4.265662	0.000494	0.001213	-1.18608	5.724825	5.783578	5.676178	6.402548	6.4654	6.548001	6.458379	6.457866	6.52298	6.151081	6.270274	6.150762	6.416233	6.308941	6.42638	6.108643	6.104426	6.084997
GRHL1	ENSG00000134317	0.3801	2.416293	4.356114	0.000405	0.001017	-0.67439	1.069823	0.582935	1.406977	1.104644	0.828511	0.909432	0.670238	1.001115	1.314712	4.954128	4.890593	4.847819	5.329703	5.250999	5.283183	4.76522	4.784083	4.857474
ROCK2	ENSG00000134318	0.004016	6.626111	0.076647	0.939775	0.950519	-7.81385	6.794442	6.852753	6.816862	6.603556	6.667471	6.680757	6.487637	6.553309	6.504416	6.538558	6.689012	6.52934	6.736042	6.723781	6.754009	6.541774	6.538439	6.529201
RSAD2	ENSG00000134321	-1.54139	2.875988	-17.4491	1.69E-12	1.68E-10	18.93859	0.667115	0.661886	0.512639	0.742604	0.625525	0.2349	0.983587	1.082132	1.564539	6.783583	6.838665	6.889926	5.318904	5.191052	5.33267	7.215307	7.286305	7.396365
LPIN1	ENSG00000134324	0.398678	4.714955	4.142106	0.000647	0.001538	-1.21022	4.321496	4.318312	4.294909	4.839889	4.825118	4.874612	5.238424	5.122533	4.989319	4.699893	4.709571	4.604122	4.989521	4.8854	4.912042	4.691084	4.801884	4.771534
CMPK2	ENSG00000134326	-1.24742	3.566366	-11.1047	2.41E-09	3.75E-08	11.60554	2.218961	2.61635	2.700947	1.74141	2.299368	1.475193	1.762502	2.290412	2.530983	5.667877	5.758847	5.654101	4.379991	4.438137	4.550681	5.854786	6.121538	6.032387
IAH1	ENSG00000134330	-0.29314	5.661073	-4.21641	0.00055	0.001335	-1.16854	6.715925	6.659473	6.669617	6.236693	6.214581	6.148201	6.288287	6.389876	6.310744	5.085433	4.936777	5.074898	4.96664	4.956139	5.036727	5.036515	4.854006	4.914724
LDHA	ENSG00000134333	-0.21023	9.917962	-1.86843	0.078559	0.111268	-6.32649	10.93943	10.96442	10.90631	11.00633	10.99208	10.95817	11.23233	11.27364	11.25153	8.68365	8.858004	8.699633	8.164908	8.294172	8.235487	9.360733	9.34573	9.395551
IL6ST	ENSG00000134352	1.021472	6.888452	12.46086	3.99E-10	9.02E-09	13.25944	7.283776	7.284837	7.328194	8.578978	8.476433	8.571286	8.239305	8.264798	8.182053	5.378276	5.50665	5.37006	6.077005	6.073301	6.149693	5.823444	5.833837	5.878503
FST	ENSG00000134363	-0.24105	3.526457	-1.04044	0.312315	0.375068	-6.11669	6.943714	6.849594	7.006522	6.836776	6.4692	6.757592	8.076227	8.113417	8.128507	0.609835	1.029669	1.158083	0.828978	0.671977	1.08859	0.974502	1.289746	1.058313
NAV1	ENSG00000134369	1.425673	2.931985	12.06576	6.62E-10	1.36E-08	12.99346	1.791852	1.780637	1.585853	3.408969	3.34578	3.292047	1.389995	1.760835	1.38134	3.926269	3.975599	3.513924	5.034222	4.974036	5.052924	3.6717	3.800954	3.937965
CDC73	ENSG00000134371	0.100552	6.833534	1.70008	0.106841	0.146154	-6.4229	6.632887	6.616761	6.690547	6.907307	6.755688	6.904811	6.983449	6.917137	6.9508	6.86769	6.924971	6.943368	6.908631	6.889324	6.947642	6.774196	6.780307	6.843293
TIMM17A	ENSG00000134375	-0.26812	7.042814	-5.08126	8.51E-05	0.000256	0.524616	7.526467	7.574163	7.493546	7.390264	7.409892	7.418149	7.408586	7.431719	7.3835	6.832359	6.777326	6.828942	6.369899	6.414288	6.44491	6.795889	6.745776	6.737337
RPS15A	ENSG00000134419	-0.0602	5.967452	-1.41718	0.17401	0.223846	-6.70396	6.412482	6.329943	6.307862	6.357074	6.325656	6.246684	6.389189	6.301706	6.468472	5.718015	5.71148	5.574748	5.553494	5.560311	5.652638	5.638576	5.695942	5.610463
NARS1	ENSG00000134440	-0.44059	8.187891	-11.146	2.27E-09	3.57E-08	11.32261	8.70126	8.774045	8.725593	8.266027	8.175155	8.286016	8.599981	8.571427	8.552433	8.131295	8.060253	8.097736	7.693289	7.726128	7.701279	7.770609	7.819398	7.82536
RELCH	ENSG00000134444	0.468834	4.958955	6.737009	3.01E-06	1.41E-05	4.224729	4.97718	4.988492	5.05661	5.605366	5.637789	5.759919	5.282018	5.344028	5.165072	4.61171	4.51019	4.566525	4.846454	4.840579	4.769032	4.749424	4.641102	4.789136
FBH1	ENSG00000134452	0.114515	5.718003	2.882786	0.010122	0.017847	-4.11367	5.843047	5.824908	5.854773	5.830775	6.010649	6.031491	5.661594	5.708593	5.663734	5.645844	5.667648	5.674636	5.829386	5.68869	5.787815	5.59328	5.549795	5.565205
RBM17	ENSG00000134453	-0.61823	5.892167	-9.82422	1.55E-08	1.70E-07	9.516006	6.412482	6.494017	6.569487	5.629907	5.726197	5.788972	5.943836	6.136086	5.88366	5.976711	5.973448	6.039056	5.43514	5.616464	5.565001	5.757061	5.782762	5.78729
ANKRD16	ENSG00000134461	0.074294	2.845716	0.893118	0.383926	0.448549	-6.56945	3.249862	3.370829	3.371944	3.456785	3.329147	3.18484	3.440463	3.335526	3.557782	2.558849	2.516115	2.682227	2.83289	2.700737	2.633039	2.901634	2.895091	2.81313
ECHDC3	ENSG00000134463	0.534749	2.448368	2.180644	0.043142	0.065132	-4.6859	3.300651	3.298545	3.104764	3.181227	3.170134	2.805104	2.806512	2.753138	2.915195	1.423238	2.032826	1.986992	3.057395	2.743101	2.730245	2.77004	2.447571	2.419973
IL15RA	ENSG00000134470	-0.64077	3.241474	-4.80157	0.000154	0.000434	0.596453	3.756787	3.872022	3.897563	2.791417	3.053471	3.03415	3.490873	3.521314	3.771595	3.303547	3.126946	3.373604	2.892375	2.875953	3.032078	3.859998	3.800954	3.68882
CCNH	ENSG00000134480	-0.06723	5.560822	-0.78152	0.444957	0.509161	-7.34282	5.799565	5.952086	5.823902	5.640298	5.677752	5.674746	5.767627	5.943547	5.991568	5.445717	5.389075	5.589242	5.545796	5.491566	5.51326	5.228777	5.080907	5.11295
TMEM241	ENSG00000134490	-0.11325	3.305029	-1.23571	0.232919	0.289685	-6.45849	3.476616	3.370829	3.133821	2.97776	2.811499	3.069023	2.858632	3.462004	3.044176	3.792275	3.878373	3.712353	3.783794	3.759216	3.892464	3.768919	3.659719	3.707454
KCTD1	ENSG00000134504	0.131714	4.561645	1.080208	0.294731	0.356293	-6.88132	5.111261	5.372784	5.27123	4.938614	4.966263	5.068031	4.544628	4.428995	4.459769	4.242376	4.087306	4.201752	4.742532	4.596713	4.62479	4.302461	4.205799	4.101878
CABLES1	ENSG00000134508	-0.73166	3.318409	-3.50463	0.002624	0.005351	-2.21864	5.397444	5.181722	5.248163	4.171485	3.988879	4.079806	3.747379	3.967564	3.572114	2.881509	2.632935	2.855308	2.995443	3.009215	2.930541	2.173627	2.006592	2.14716
EMP1	ENSG00000134531	0.009571	5.700629	0.060295	0.952604	0.960835	-7.85683	3.792713	3.777682	3.819232	1.74141	1.996426	2.098749	1.648695	1.809233	1.674905	9.235665	9.202634	9.220319	9.373952	9.440043	9.411145	9.214367	9.220457	9.245439
SOX5	ENSG00000134532	1.394012	0.090106	6.707641	3.19E-06	1.48E-05	4.637029	0.216396	0.316291	0.106501	1.022291	0.625525	0.461789	0.106501	0.106501	0.39151	2.510897	2.546219	2.473063	3.652319	3.779712	3.445943	2.35157	2.813204	2.226823
RERG	ENSG00000134533	-0.00797	-1.2108	-0.02519	0.980191	0.983574	-6.42927	0.216396	0.106501	0.219246	0.395333	0.106501	0.3528	0.269385	0.106501	0.256032	1.278001	1.529011	1.562415	1.018891	1.393161	1.488568	1.250674	1.206659	1.626848
SPX	ENSG00000134548	0.651677	2.524482	1.575858	0.132985	0.177235	-5.24735	5.956277	6.009818	5.918779	6.862152	6.559313	6.761594	7.524033	7.484831	7.533861	0.781331	0.640699	0.499259	0.171976	0.190544	0.186984	0.686723	0.816175	0.93723
LRP4	ENSG00000134569	1.027393	0.450811	3.498546	0.002659	0.005416	-1.66997	1.069823	1.631689	1.202741	2.143217	2.299368	2.557474	2.058296	1.760835	1.01237	0.834246	0.89579	0.683459	1.018891	1.032323	0.862212	0.974502	0.924142	1.058313
DDB2	ENSG00000134574	-0.65306	4.148768	-5.17017	7.05E-05	0.000217	1.2709	5.578142	5.564777	5.530827	4.971905	4.955466	5.015363	5.043928	5.237527	5.046897	3.463254	3.278101	3.613714	2.749557	2.938056	2.716753	3.623987	3.68296	3.56145
ACP2	ENSG00000134575	1.114229	4.982341	7.421054	8.42E-07	4.73E-06	5.535017	4.645102	4.668265	4.66702	6.272761	6.358812	6.198283	5.173034	5.048863	5.150819	4.529864	4.463628	4.358889	5.036421	4.811013	5.178806	4.700972	4.656838	4.665927
RTL8C	ENSG00000134590	1.573602	6.348023	23.27542	1.34E-14	6.48E-12	23.76232	5.754732	5.827051	5.959925	7.253686	7.350349	7.203449	6.915871	6.695276	6.964447	5.1881	5.102956	5.263838	6.925933	6.813489	6.844411	6.265692	6.258044	6.050746
RBMX2	ENSG00000134597	-0.27644	4.872402	-3.63218	0.001983	0.004176	-2.34975	5.417718	5.208268	5.190556	4.707799	4.70778	4.788301	5.125963	5.206241	5.072328	4.772865	4.796672	4.781207	4.803198	4.657043	4.712374	4.802439	4.914163	4.950363
STK26	ENSG00000134602	-0.35651	4.968088	-6.73595	3.02E-06	1.41E-05	4.216151	5.118357	5.10962	5.231457	4.845887	4.764552	4.604407	5.203583	5.314991	5.363523	4.99537	5.016893	5.049965	4.63635	4.827513	4.745971	5.210433	5.132464	5.109451
PUM1	ENSG00000134644	0.20714	6.781839	4.640766	0.000218	0.000589	-0.43551	6.634125	6.526025	6.684422	6.783082	6.810641	6.820342	6.729006	6.574465	6.61411	6.890512	6.968696	6.778607	7.085771	7.082493	7.109972	6.729001	6.713224	6.783075
SPOCD1	ENSG00000134668	-0.97365	2.164521	-6.09507	1.05E-05	4.15E-05	3.382137	2.296082	2.068355	2.351095	1.791994	2.264801	1.840725	1.588238	1.760835	1.564539	3.322191	3.373534	3.619375	2.466086	2.250257	2.589286	3.236813	3.347011	3.228839
YARS1	ENSG00000134684	-0.54963	7.120098	-9.47937	2.63E-08	2.61E-07	8.875387	8.102593	8.105016	8.102294	7.462312	7.322258	7.500295	8.130895	8.061291	8.071636	6.565216	6.541766	6.594014	6.208618	6.123609	6.168399	6.451913	6.424707	6.447035
PHC2	ENSG00000134686	-0.24388	6.610017	-3.07912	0.006637	0.012265	-3.82716	6.3789	6.26346	6.24766	5.910205	5.970993	5.988874	6.095427	6.068104	6.004837	7.077704	7.069303	7.081519	6.91701	6.913485	6.897697	7.454263	7.472873	7.460937
CDCA8	ENSG00000134690	-2.09179	4.655037	-9.78301	1.65E-08	1.79E-07	9.70449	5.004246	5.018804	4.89628	4.161901	4.009905	3.91707	5.310366	5.314991	5.304656	5.604555	5.584869	5.709551	3.066031	2.888589	2.918805	5.513229	5.442675	5.483771
GNL2	ENSG00000134697	0.083423	6.444929	1.229131	0.235314	0.292204	-7.04586	5.928287	5.887846	5.953828	6.303597	6.317247	6.329914	6.002927	6.128954	5.99689	6.947913	6.924971	6.946749	6.816943	6.799338	6.797917	6.749792	6.725401	6.76762
AGO4	ENSG00000134698	0.143996	3.614096	2.079676	0.052567	0.077805	-5.25315	3.541402	3.494617	3.62825	3.661095	3.48743	3.584921	3.258446	3.564249	3.468658	3.838337	3.793073	3.769472	3.95166	4.034047	4.002193	4.057652	3.942484	4.108904
HOOK1	ENSG00000134709	-0.47041	2.255921	-5.37311	4.61E-05	0.00015	1.424714	0.503316	0.316291	0.829201	0.635873	0.828511	0.563119	0.670238	0.253663	0.629397	5.970815	5.978976	5.91682	5.433472	5.579922	5.3633	5.763367	5.835567	5.762999
CYP2J2	ENSG00000134716	0.829225	-0.00011	5.806838	1.88E-05	6.84E-05	2.665479	0.216396	0.215206	0.323815	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.340597	3.287042	3.38694	4.260913	4.190213	4.288734	3.7814	3.72088	3.611778
BTF3L4	ENSG00000134717	0.56639	6.245593	9.443028	2.79E-08	2.72E-07	8.860333	5.772833	5.675946	5.552509	6.054453	6.03393	6.146161	6.321164	6.427182	6.425703	6.092554	6.072443	6.041166	6.671006	6.783356	6.734058	6.611588	6.677029	6.691272
TUT4	ENSG00000134744	0.591087	5.361884	6.609558	3.85E-06	1.74E-05	3.893885	5.272612	5.120143	5.241504	6.13504	6.11379	6.150238	5.506885	5.521547	5.515873	5.068969	5.181778	5.043664	5.306202	5.377412	5.410157	5.026064	5.033479	5.154286
PRPF38A	ENSG00000134748	-0.25348	6.020387	-5.58804	2.95E-05	0.000101	1.682422	5.752454	5.725032	5.651273	5.420792	5.313527	5.401341	5.69064	5.851216	5.738712	6.542539	6.487528	6.621069	6.334592	6.347209	6.364998	6.524244	6.442973	6.58695
DSC2	ENSG00000134755	-0.02319	5.590931	-0.3929	0.699141	0.746691	-7.67891	3.87042	3.983805	3.871922	4.350907	4.376555	4.202668	3.904396	3.999201	3.856018	7.335154	7.388267	7.368332	7.234929	7.216952	7.237092	7.182156	7.074908	7.112485
RNF138	ENSG00000134758	-0.60199	4.729656	-10.5556	5.24E-09	7.10E-08	10.77824	4.921476	4.747329	4.874926	4.236852	3.988879	4.264152	4.857993	4.922558	4.700591	5.088159	5.102956	5.210458	4.546627	4.67539	4.639165	5.09268	5.152027	5.133766
ELP2	ENSG00000134759	-0.10283	5.817881	-2.23759	0.038536	0.058847	-5.39231	6.095825	6.200392	6.122779	5.901593	5.896744	5.977446	5.840713	5.758745	5.751363	5.828099	5.861181	5.832828	5.863229	5.842738	5.789427	5.516966	5.456227	5.661529
DTNA	ENSG00000134769	0.702687	3.773558	15.58798	1.08E-11	6.65E-10	17.0802	2.392887	2.37994	2.326135	2.933382	2.970101	3.069023	2.513265	2.451551	2.501332	4.992463	5.137972	4.974681	5.675625	5.743628	5.711642	5.002269	5.015283	4.934632

FHOD3	ENSG00000134775	-0.61662	4.352537	-3.07793	0.006654	0.01229	-3.53469	3.43175	2.950996	2.99819	4.092964	3.923901	4.045196	3.747379	3.749274	3.373665	5.638424	5.662504	5.674636	4.595172	4.653345	4.595601	5.680829	5.504857	5.610463
TPGS2	ENSG00000134779	0.604215	5.913504	13.46736	1.16E-10	3.61E-09	14.57293	6.203172	6.151641	6.113692	6.643705	6.640761	6.691987	6.179794	6.212301	6.21352	5.307527	5.342658	5.176304	5.983222	5.90936	5.975122	5.334197	5.467424	5.365554
DAGLA	ENSG00000134780	0.814498	3.883554	11.6694	1.12E-09	2.05E-08	12.32141	2.296082	2.283367	2.492412	2.518519	2.991399	2.763128	2.102195	2.147141	1.777424	5.384942	5.329736	5.41143	6.240442	6.195291	6.211124	5.745959	5.716735	5.526375
TIMM10	ENSG00000134809	-0.49892	5.558944	-6.09472	1.06E-05	4.15E-05	2.820048	6.00877	6.006041	5.99598	5.077635	5.208315	5.246196	5.55111	5.58894	5.616111	5.658737	5.645223	5.785781	5.472976	5.453801	5.469685	5.723497	5.541343	5.582975
DHX34	ENSG00000134815	-0.25441	5.543478	-4.98475	0.000104	0.000308	0.472065	5.658224	5.605293	5.668751	5.591153	5.596688	5.363212	5.515028	5.458458	5.526952	5.725037	5.818649	5.769327	5.416688	5.423729	5.467673	5.687476	5.572787	5.489166
FADS2	ENSG00000134824	0.800556	3.944476	4.526015	0.00028	0.000734	-0.11661	3.719942	4.087546	3.745844	5.199754	5.124043	5.151751	4.883375	4.77806	4.807433	3.226465	3.339557	3.419749	3.381853	3.503965	3.335521	3.574643	3.772348	3.840032
TMEM258	ENSG00000134825	-0.09188	5.884251	-2.17226	0.043861	0.066065	-5.53879	5.636146	5.564777	5.636121	5.346585	5.454395	5.408166	5.56294	5.539589	5.497217	6.286596	6.328814	6.282357	6.239488	6.280458	6.328873	6.406303	6.239876	6.345106
TCN1	ENSG00000134827	-2.48505	-0.4057	-7.33089	9.93E-07	5.45E-06	5.72986	4.088441	3.928996	3.906009	1.791994	1.864131	1.919272	3.027514	2.960209	3.162566	0.483018	0.462741	0.397516	0.106501	0.106501	0.186984	0.106501	0.19538	0.106501
TMEM165	ENSG00000134851	0.248007	6.477877	2.655316	0.016385	0.027416	-4.68555	5.717835	5.734195	5.688471	6.398473	6.409139	6.415394	6.161755	6.138456	6.231692	6.938126	6.897502	6.944496	6.806028	6.90418	6.881917	6.871535	6.909892	6.867315
CLOCK	ENSG00000134852	-0.28373	5.83128	-5.46292	3.82E-05	0.000127	1.468681	5.862195	5.73191	5.792357	5.521661	5.3917	5.547605	6.161755	6.068104	6.111723	5.986972	6.037105	5.890143	5.710474	5.748835	5.659706	6.114821	6.023291	6.076062
GGACT	ENSG00000134864	-0.04136	2.01596	-0.26087	0.797241	0.83145	-6.80881	2.568952	2.55562	2.933559	2.457149	2.193078	2.164723	2.26554	1.760835	2.274723	2.078238	2.249583	2.369387	2.343563	2.50126	2.574402	2.35157	2.274787	2.374055
COL4A2	ENSG00000134871	0.115521	1.488284	0.310512	0.759844	0.800359	-6.27854	6.493851	6.381882	6.511164	6.382055	6.645807	6.521493	6.895745	6.808236	6.923112	0.106501	0.106501	0.16959	0.352262	0.26996	0.263213	0.106501	0.19538	0.214669
CLDN10	ENSG00000134873	-0.45709	0.857472	-4.29502	0.000463	0.001144	-0.5377	0.318509	0.316291	0.219246	0.106501	0.25478	0.2349	0.415731	0.509405	0.629397	4.151473	4.190981	4.159641	3.794228	3.793216	3.68641	4.40281	4.38181	4.292899
DZIP1	ENSG00000134874	1.463884	-1.50135	3.461327	0.002885	0.005816	-1.61315	1.561356	1.420874	1.406977	2.633943	3.073582	2.784269	1.317361	1.901414	2.408535	0.190076	0.106501	0.106501	0.234608	0.106501	0.106501	0.106501	0.106501	0.106501
UBAC2	ENSG00000134882	0.137516	6.069133	2.475067	0.023824	0.038364	-4.98181	5.853716	5.90823	5.808216	5.869565	5.847955	5.897242	6.205178	6.095194	5.980865	6.027299	6.150456	6.211984	6.318418	6.36201	6.380055	6.282253	6.220153	6.225761
ARGLU1	ENSG00000134884	0.075099	5.775743	1.438269	0.168023	0.217145	-6.67201	5.891483	5.875476	5.819438	5.955291	5.882565	5.807161	5.794634	5.81612	5.895106	5.689578	5.78275	5.63047	5.828117	5.783078	5.84164	5.55199	5.894824	5.710849
BIVM	ENSG00000134897	0.266932	3.044518	3.097815	0.006373	0.011832	-3.10381	2.965042	3.128277	3.104764	3.503067	3.033076	3.391835	3.19904	3.302095	2.915195	3.216534	3.223257	3.149392	3.388755	3.495729	3.396027	3.324713	3.046116	3.107809
ERCC5	ENSG00000134899	0.522783	2.321608	4.743878	0.000175	0.000485	0.575871	2.483604	2.636038	2.37563	2.518519	2.549605	2.719893	2.226405	2.255906	2.165532	2.427256	2.546219	2.671369	3.116795	3.203781	3.263113	2.554269	2.741225	2.326628
TPP2	ENSG00000134900	0.051456	5.283528	0.782682	0.444289	0.508601	-7.32501	5.1077	5.164879	5.022058	5.400559	5.33034	5.431804	5.038289	5.108097	5.036597	5.62347	5.608245	5.41143	5.487516	5.412836	5.384788	5.432436	5.408227	5.380146
POGLUT2	ENSG00000134901	0.125807	3.476853	1.044014	0.310705	0.373323	-6.59545	3.911847	3.628412	3.688245	4.281793	4.276	4.113606	4.045989	3.946081	3.832397	3.246125	3.322263	3.332842	3.116795	3.131201	2.976553	3.350072	3.347011	3.444131
CARS2	ENSG00000134905	-0.0378	4.380607	-0.48863	0.63118	0.684475	-7.26417	4.859306	4.574447	4.569365	4.851861	4.478119	4.586466	4.926746	4.802174	5.036597	3.950439	4.137605	4.253631	4.143408	4.045377	4.046009	4.245042	4.268595	4.370952
ARHGAP32	ENSG00000134909	0.303056	5.950921	3.682945	0.001774	0.00378	-2.44049	6.012583	5.979315	6.044605	6.33592	6.397219	6.492884	5.850398	5.606164	5.757647	5.783387	5.89081	5.665089	6.002473	5.984858	6.001789	5.90413	5.924377	5.91904
STT3A	ENSG00000134910	0.166808	7.744066	2.280264	0.035387	0.054536	-5.51645	6.887715	6.859049	6.797698	7.400488	7.222215	7.382203	7.486223	7.466086	7.402674	8.200318	8.18059	8.166043	8.135975	8.073642	8.11595	8.598304	8.529863	8.623735
ETS1	ENSG00000134954	-1.04376	6.721099	-5.57783	3.01E-05	0.000103	1.599239	7.30958	7.241315	7.206109	5.176143	5.33034	5.316813	6.281144	6.448347	6.427674	7.258577	7.234986	7.333027	6.888077	6.90418	6.838972	7.377213	7.332351	7.368827
SLC37A2	ENSG00000134955	-1.35762	1.391348	-10.6746	4.42E-09	6.13E-08	11.07243	0.503316	0.499412	0.512639	0.395333	0.512209	0.461789	0.269385	0.253663	0.39151	4.902409	4.824575	4.950186	3.449427	3.614588	3.600863	5.353134	5.206502	5.167806
TMED7	ENSG00000134970	0.323684	7.099487	5.85025	1.73E-05	6.36E-05	2.133607	6.671992	6.664275	6.683194	7.178439	7.055276	7.163668	7.120503	7.163906	7.168059	7.167433	7.143179	7.098337	7.316366	7.366154	7.336926	7.165588	7.246562	7.278244
APC	ENSG00000134982	0.203987	5.224776	2.567619	0.019676	0.032306	-4.6567	5.030813	5.081176	5.152017	5.506594	5.367468	5.431804	5.590171	5.477302	5.504708	5.175339	5.296913	5.103452	5.190502	5.306201	5.292308	5.184823	4.984438	5.084719
NREP	ENSG00000134986	1.179558	4.686147	9.087697	4.89E-08	4.35E-07	8.481769	3.975752	3.944869	3.81026	4.921675	5.003429	5.059385	4.737903	4.905964	4.837409	4.417313	4.566354	4.52189	5.634118	5.704857	5.663227	4.37013	4.637141	4.735671
WDR36	ENSG00000134987	-0.24176	6.742592	-6.49588	4.79E-06	2.10E-05	3.47953	6.566989	6.644971	6.549409	6.416721	6.293865	6.435578	6.53044	6.59359	6.594935	7.120939	7.113955	7.111451	6.821413	6.86075	6.864433	6.967507	6.990495	7.142752
OSTF1	ENSG00000134996	0.307773	5.202064	1.938274	0.068915	0.099057	-5.8573	4.548594	4.527784	4.268949	5.601826	5.529116	5.619944	4.512454	4.62424	4.66091	5.684183	5.736174	5.848577	5.52402	5.618361	5.607658	5.522553	5.467424	5.50523
RFK	ENSG00000135002	2.550078	6.505621	8.492155	1.30E-07	9.76E-07	7.376986	5.528401	5.587707	5.584434	8.982375	8.836721	8.84971	8.838863	8.748627	8.862279	4.645413	4.609763	4.589777	5.675625	5.568187	5.607658	5.680829	5.697845	5.692259
UBQLN1	ENSG00000135018	-0.00434	8.313877	-0.137	0.892597	0.911998	-7.92786	8.55236	8.543614	8.542685	8.561771	8.534718	8.535887	8.774186	8.750564	8.788626	7.951373	7.95829	8.053994	7.960931	7.994749	7.989818	8.105378	8.075004	8.062315
NAA35	ENSG00000135040	-0.13958	5.747095	-1.58211	0.13155	0.175678	-6.47214	5.832299	5.738755	5.874275	5.325276	5.230876	5.349094	5.784566	5.871301	5.62645	5.813348	5.895203	5.872475	5.94861	6.062189	5.945062	5.908404	5.891503	5.979704
C9orf40	ENSG00000135045	-1.16597	3.764656	-8.20281	2.12E-07	1.47E-06	7.198669	4.42241	4.395423	4.676925	3.863871	3.734793	3.510758	3.916741	4.397684	4.261781	3.889238	4.035189	4.194187	2.749557	2.671787	2.906973	4.189932	4.05364	3.984547
ANXA1	ENSG00000135046	-0.64011	9.52839	-4.06854	0.00076	0.001774	-1.89281	10.05625	10.0182	9.965803	8.688591	8.652209	8.637402	9.012461	9.095443	9.052865	9.992029	9.914555	9.903792	9.862371	9.910903	9.935134	9.598284	9.605328	9.648078
CTSL	ENSG00000135047	0.164735	8.720483	0.954041	0.353072	0.417502	-7.44304	10.03952	10.05375	9.997396	10.80265	10.6984	10.75633	10.48083	10.50527	10.49076	7.262203	7.178445	7.280406	6.594714	6.609161	6.642478	7.231885	7.21834	7.242753
CEMIP2	ENSG00000135048	0.0974	7.403199	0.762284	0.456055	0.519772	-7.55111	7.686606	7.683455	7.721203	8.275502	8.261515	8.277655	8.302411	8.202179	8.267103	6.967291	6.940639	6.856764	6.48467	6.491907	6.501083	6.862018	6.765868	6.887883
AGTPBP1	ENSG00000135049	0.657933	5.101242	3.093373	0.006435	0.011937	-3.49717	5.093368	5.256764	5.079193	6.402548	6.350594	6.452185	6.089987	6.109759	6.043926	4.557665	4.716207	4.671058	4.483553	4.557684	4.315833	4.083081	4.242761	4.216898
GOLM1	ENSG00000135052	0.760107	8.913332	6.733269	3.03E-06	1.42E-05	3.795682	8.173714	8.16596	8.161696	9.424217	9.423982	9.4324	8.609519	8.671363	8.621679	9.011344	8.96634	8.993524	9.304826	9.320835	9.313127	8.937231	8.984037	8.982359
FAM189A2	ENSG00000135063	0.921437	2.136313	6.808846	2.63E-06	1.26E-05	4.658929	1.681202	1.420874	1.453818	1.393812	1.498102	1.669505	0.983587	1.710758	1.445026	3.528929	3.547323	3.290894	4.460809	4.394504	4.472558	2.901634	3.022017	2.960231
PSAT1	ENSG00000135069	-1.41974	8.002411	-16.4353	4.54E-12	3.54E-10	17.79822	8.996441	9.017005	8.971511	7.885617	7.8022	7.979607	9.30524	9.291579	9.258777	7.904201	7.826124	7.923095	6.078073	6.148776	6.180736	7.894992	7.822889	7.894585
ISCA1	ENSG00000135070	0.378755	6.076359	6.638539	3.64E-06	1.66E-05	3.882439	6.249151	6.155056	6.220828	6.628128	6.584058	6.516764	6.937237	6.996351	6.800647	5.326119	5.425972	5.356567	5.736406	5.788145	5.703115	5.829467	5.762906	5.780706
ADAM19	ENSG00000135074	0.131349	6.675232	0.436411	0.667881	0.717664	-7.67767	5.934331	5.99274	5.882858	7.496077	7.243452	7.294672	7.54903	7.386579	7.447093	6.512414	6.596738	6.585363	5.601813	5.453801	5.534564	7.337615	7.258858	7.348194
CCNJL	ENSG00000135083	0.393559	4.649526	7.648471	5.59E-07	3.34E-06	5.929114	3.710582	3.695626	3.83701	4.3081	4.343809	4.202668	3.976929	4.009594	4.05282	5.183009	5.203192	5.221665	5.622454	5.472807	5.467673	5.498185	5.539222	5.531613
TAOK3	ENSG00000135090	-0.23778	5.046923	-2.35221	0.030613	0.047872	-5.07732	5.227386	5.24399	5.22134	4.591236	4.537243	4.427589	4.825625	4.855002	4.687485	5.424305	5.4757	5.39832	5.414998	5.538426	5.51326	5.115041	5.033479	5.137206
USP30	ENSG00000135093	0.211287	4.007611	1.796637	0.089697	0.125201	-5.73152	4.42241	4.34846	4.167214	4.254996	4.301803	4.351728	4.702691	4.741115	4.726452	3.614613	3.470912	3.685623	4.046359	3.813238	4.051393	3.737235	3.467897	3.922098
FBXO21	ENSG00000135108	1.384627	6.250768	9.093623	4.84E-08	4.33E-07	8.335504	5.353017	5.615246	5.594921	7.419717	7.482199	7.469628	7.23584	7.121412	7.147867	5.387157	5.299125	5.285361	6.09294	6.0552	6.076316	6.164504	6.0111	6.106218
TBX3	ENSG00000135111	-0.9837	-0.49269	-4.5807	0.000249	0.000661	0.633063	4.683882	4.527784	4.73022	3.727576	3.602632	3.584921	4.090259	4.009594	4.198517	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
OASL	ENSG00000135114	-1.75615	2.884821	-25.5365	2.77E-15	2.49E-12	25.16702	1.561356	1.465573	1.499186	0.258133	0.512209	0.563119	1.160105	1.430416	1.314712	6.390731	6.477799	6.527836	4.709837	4.875912	4.79173	6.374733	6.439566	6.374554
RNFT2	ENSG00000135119	-0.085	2.574734	-0.80662	0.430726	0.495584	-6.53863	3.487617	3.35903	3.544167	3.51817	3.48743	3.572823	3.423261	3.285084	3.323715	2.18395	2.303453	2.382761	1.973006	2.016959	2.220059	2.247458	2.233409	2.397196
P2RX4	ENSG00000135124	1.653056	4.046379	22.34298	2.68E-14	1.01E-11	22.89848	3.142584	3.085957	3.029452	4.803367	4.745876	4.668345	4.079318	3.935218	4.093134	3.367773	3.470912	3.526028	5.03202	4.941053	4.863891	4.533992	4.660745	4.637057
BICDL1	ENSG00000135127	0.493888	2.423554	2.063502	0.054241	0.079974	-4.96888	3.420312	3.516026	3.755225	3.325575	3.832443	3.548316	2.058296	1.710758	1.918715	2.14259	2.095243	2.021603	2.911671	2.850343	2.883013	2.26534	2.254246	2.252429
TRAFD1	ENSG00000135148	-1.00905	5.5265	-9.69167	1.90E-08	2.00E-07	9.329099	5.346988	5.325066	5.366116	3.863871	3.923901	3.700636	5.178171	5.339915	5.102264	6.696948	6.683944	6.749221	5.884137	5.981913	5.899512	6.402268	6.357688	6.403414
DMTF1	ENSG00000135164	0.333278	5.107821	4.810209	0.000152	0.000427	0.16959	5.197545	5.281977	5.152017	5.346585	5.176125	5.431804	5.238424	5.285358	5.121883	4.829349	4.908086	4.857431	5.331496	5.341097	5.40175	4.832737	4.993761	4.988957
TMEM243	ENSG00000135185	-0.10834	3.822034	-1.05632	0.305206	0.367584	-6.77528	3.465529	3.667203	3.408073	3.875646	3.832443	3.954853	3.617275	3.633086	3.586306	4.30464	4.327249	4.324649	3.894617	4.022628	4.029733	4.285035	4.353122	4.087723
CCDC146	ENSG00000135205	0.970166	0.266238	4.100946	0.000708	0.001667	-0.43311	1.286899	1.277811	0.898566	1.457877	1.164793	1.188496	1.074544	1.15884	1.171446	1.028404	0.799097	0.76743	1.755315	1.710321	1.639204	0.930351	1.2488	0.805046
TMEM60	ENSG00000135211	0.658785	3.829298	6.736725	3.01E-06	1.41E-05	4.431716	3.911847	3.838426	3.607684	4.687901	4.551652	4.72957	4.264577	4.030158	3.733845	3.488234	3.748453	3.526028	3.979357	4.016884	3.951255	3.595997	3.603991	3.55117
CD36	ENSG00000135218	-0.39678	0.487681	-2.06363	0.054228	0.079968	-4.40448	2.345296	2.49222	2.300736	2.457149	2.155834	2.029614	2.303642	2.389238	2.005764	0.834246	0.748206	0.726056	0.656707	0.484926	0.404558	0.63264	0.759002	0.659518
PNPLA8	ENSG00000135241	1.411304	4.618005	12.24761	5.23E-10	1.13E-08	13.16575	4.102823	4.262405	4.034833	5.85774	5.856685	5.867836	4.7858	4.971227	4.831463	4.177304	4.132653	4.071539	5.081845	5.154897	5.148978	3.934535	4.023613	4.014786
HILPDA	ENSG00000135245	-0.32459	3.970878	-2.41397	0.027001	0.042826	-4.75626	3.911847	3.991467	4.003689	4.041626	3.759832	4.027574	3.19904	3.384264	3.271973	4.493314	4.479316	4.53991	4.147483	3.987816	4.109334	4.54135	4.683969	4.641909
RINT1	ENSG00000135249	0.059803	5.168668	0.919099	0.370555	0.435319	-7.1908	4.945613	4.965333	4.835673	5.272812	5.124043	5.238557	5.026946	4.877874	4.801363	5.447841	5.411735	5.533372	5.370368	5.303845	5.449434	5.382106	5.394214	5.40033
SRPK2	ENSG00000135250	0.380768	5.719768	8.15232	2.31E-07	1.58E-06	6.74954	5.71081	5.885792	5.83942	6.254839	6.254768	6.267477	6.040078	6.058125	6.033605	5.264796	5.26106	5.342946	5.509846	5.703069	5.583703	5.47532	5.422105	5.567757
TES	ENSG00000135269	-0.04483	6.917256	-0.31241	0.758428	0.799045	-7.81348	6.964535	6.969865	7.012401	6.248061	6.219102	6.313648	6.195078	6.063123	6.054173	7.26642	7.260178	7.252448	7.709573	7.686425	7.705555	7.271135	7.301401	7.256264
MDFIC	ENSG00000135272	0.344581	4.591932	4.881851	0.00013	0.000373	0.381874	4.186225	4.164126	3.979882	4.400654	4.343809	4.379778	4.235306	4.497055	4.467457	4.864753	5.016893	4.86698	5.212064	5.306201	5.31263	4.9115	4.847164	4.793504
MTO1	ENSG00000135297	-0.19578	4.831658	-3.55072	0.002372	0.00489	-2.55246	4.735558	4.847837	4.857612	4.821743	4.701332	4.869675	4.799197	4.630987	4.700591	5.117808	5.133021	5.187779	4.876225	4.804359	4.85468	5.002269	4.933671	5.026544
ADGRB3	ENSG00000135298	1.845483	-0.29095	2.759531	0.013155	0.022545	-3.03345	2.137484	2.332462	1.921989	4.272916	3.956756	4.30129	2.446718	2.623806	2.087859	0.269074	0.524532	0.106501	0.171976	0.190544	0.106501	0.257084	0.19538	0.497646
ANKRD6	ENSG00000135299	1.816303	2.90154	5.32727	5.07E-05	0.000163	1.832798	3.443098	3.537122	3.477724	5.881294	5.769991	5.716587	2.884002	3.711575	3.389938	1.787595	2.212518	2.038602	2.314863	2.190279	2.497588	2.034568	1.981819	1.973284
HTR1B	ENSG00000135312	0.151534	-1.34086	0.630688	0.536405	0.597717	-6.00472	2.526909	2.258179	2.812981	2.518519	2.549605	2.924168	2.303642	2.728183	2.869505	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
KHDC1	ENSG00000135314	-0.29169	1.718266	-2.0803	0.052504	0.077727	-4.82411	1.755904	1.631689	1.585853	1.688986	1.953662	2.064596	1.588238	1.760835	1.620777	2.906434	2.741	2.569785	2.178139	2.433888	2.220059	2.432936	2.634012	2.610232
CEP162	ENSG00000135315	0.928854	2.287015	5.756249	2.09E-05	7.48E-05	2.7666	1.990546	2.425906	2.399755	3.791129	3.151334	3.18484	2.667326	2.801791	2.697131	2.30136	2.303453	2.213454	2.717023	2.811056	2.743612	1.926335	1.981819	2.326628
SYNCRIP	ENSG00000135316	-0.0959	7.876184	-1.78853	0.091038	0.126973	-6.36701	7.707342	7.720236	7.704957	7.810928	7.776359	7.864595	8.002855	7.99941	7.941751	8.020072	8.011184	7.955342	7.673997	7.767336	7.72506	8.057753	8.028134	8.118658
SNX14	ENSG00000135317	-0.03358	5.490625	-0.54485	0.592739	0.649864	-7.47645	6.044597	5.898074	5.972044	5.740289	5.836231	5.830214	5.958837	5.986272	5.839908	5.180457	5.051412	5.221665	5.298892	5.238714	5.208029	5.007591	5.012228	5.119922
NT5E	ENSG00000135318	0.003209	7.465527	0.029263	0.976987	0.980705	-7.90309	6.206505	6.104721	6.147923	6.762618	6.644126	6.680757	6.828732	6.683964	6.76989	8.350911	8.354413	8.340249	8.008474	8.036156	8.031964	8.855847	8.848437	8.9118
MRAP2	ENSG00000135324	0.851018	-1.23177	2.620272	0.017631	0.029248	-3.28679	1.990546	1.978677	1.853768	2.740812	2.787348	3.051692	3.027514	3.3682	3.181386	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
EPHA7	ENSG00000135333	0.025401	-1.38233	0.061909	0.951338	0.959829	-6.41071	0.106501	0.106501	0.106501	0.635873	0.106501	0.3528	0.269385	0.106501	0.256032	1.555182	1.8028	1.538714	1.154653	1.2438	1.08859	1.058946	1.329561	1.170016
AKIRIN2	ENSG00000135334	-0.59775	5.38012	-7.95663	3.25E-07	2.11E-06	6.457575	6.057576	6.127503	6.126398	5.400559	5.176125	5.238557	5.757368	5.767957	5.942765	5.29814	5.240494	5.285361	4.902986	4.907298	4.964358	5.170659	5.057388	5.084719
ORC3	ENSG00000135336	-0.53577	4.54793	-6.11259	1.02E-05	4.03E-05	3.029341	5.071598	5.120143	4.921495	4.448742	4.43213	4.372816	4.445869	4.482206	4.404775	4.832603	4.555295	4.850228	4.268416	4.372183	4.342433	4.598895	4.76606	4.7174
LCA5	ENSG00000135338	0.961132	1.567553	5.959518	1.38E-05	5.28E-05	3.160593	1.336422	1.173893	1.202741	2.021307	2.633282	2.196611	0.670238	1.231675	1.244857	2.282443	2.674414	2.447834	2.968056	3.348006	3.116699	2.384669	2.233409	2.200755
MAP3K7	ENSG00000135341	-0.00258	5.447842	-0.0508	0.96006	0.967053	-7.60879	6.110133	6.22335	6.128204	6.082665	5.976344	6.079314	5.967764	5.940834	5.937239	4.951137	4.860959	4.904554	4.933985	5.071461	5.066284	4.905811	4.787661	4.793504
PRR5L	ENSG00000135362	1.460311	1.854118	2.888992	0.009989	0.017633	-2.85874	6.106569	6.178742	6.122779	7.682748	7.683722	7.636582	6.568102	6.588399	6.530339	0.190076	0.185134	0.449284	0.294634	0.106501	0.106501	0.257084	0.358227	0.409347
PHF21A	ENSG00000135365	0.393149	3.458707	5.125801	7.74E-05	0.000236	1.248908	3.84498	3.952741	3.863273	4.472198	4.040879	4.256608	3.953155	4.019913	4.05282	3.013555	3.076267	2.957162	3.332595	3.393046	3.353069	2.935534	3.034117	3.189613
NAT10	ENSG00000135372	-0.53371	6.607413	-10.078	1.06E-08	1.23E-07	9.833027	7.149082	7.150976	7.165352	6.466234	6.51404	6.557242	6.614311	6.59704	6.541308	6.755564	6.672048	6.693963	6.321126	6.252624	6.271199	6.501792	6.513809	6.474494
EHF	ENSG00000135373	0.511061	2.893987	5.264227	5.78E-05	0.000183	1.244065	1.475543	1.915637	1.406977	1.104644	1.2379	1.422231	0.886508	1.605065	1.0941	4.880563	5.130539	4.98568	5.471352	5.672341	5.60033	5.191852	5.138081	5.187851
PRRG4	ENSG00000135378	0.127574	2.38073	1.403504	0.177984	0.228504	-6.38489	1.12723	1.061904	1.706811	1.256461	1.006428	1.475193	1.160105	1.082132	0.629397	4.497421	4.490971	4.53991	4.574134	4.693507	4.691833	4.519164	4.695442	4.536426
CAPRIN1	ENSG00000135387	0.118916	8.385305	4.807169	0.000153	0.000429	-0.17925	8.569935	8.573596	8.583737	8.711356	8.654714	8.70201	8.60046	8.565276	8.597797	8.127987	8.105498	8.088583	8.220607	8.241273	8.229562	8.146665	8.115781	8.182072
ATP5MC2	ENSG00000135390	0.166062	8.005795	3.555117	0.002349	0.004849	-2.89117	8.541513	8.546868	8.506691	8.670116	8.678709	8.626834	8.619465	8.623107	8.685282	7.395819	7.331057	7.424376	7.587407	7.596859	7.582173	7.243773	7.281873	7.276685
DNAJC14	ENSG00000135392	-0.13525	5.329695	-2.68269	0.01547	0.026044	-4.4467	5.482394	5.661609	5.541709	5.487537	5.36339	5.506852	5.559008	5.484771	5.537947	5.393783	5.285805	5.380097	5.227545	5.196144	5.166452	5.129758	5.030462	5.164438
CD63	ENSG00000135404	0.391431	8.62875	3.495143	0.002679	0.005448	-3.06393	8.752043	8.794448	8.764143	9.598422	9.623883	9.564668	9.121137	9.1091	9.200289	8.121349	8.050112	8.105067	8.009314	8.042884	8.043156	8.170288	8.136973	8.183736
GDF11	ENSG00000135414	0.968976	3.555917	4.992868	0.000103	0.000303	0.915461	2.483604	2.61635	2.558197	4.525489	4.1009	4.386706	3.891945	3.868266	3.913431	3.446357	3.633975	3.513924	3.741287	3.852467	3.991027	3.967679	3.961615	3.961444
GLS2	ENSG00000135423	-0.95993	0.111942	-4.08554	0.000732	0.001718	-0.52828	0.882475	1.173893	1.028027	0.52061	0.389229	0.3528	0.415731	0.824004	0.39151	1.814181	2.095243	1.820066	1.776519	1.120667	1.355599	1.903678	2.078458	1.910335
ITGA7	ENSG00000135424	-0.11612	0.618666	-0.3564	0.725809	0.770378	-6.40995	1.602421	1.508929	1.921989	2.181668	2.155834	2.098749	0.782422	1.549165	1.38134	1.555182	1.369793	1.158083	1.054048	0.671977	0.910419	1.099384	0.975239	1.416439
BLOC1S1	ENSG00000135441	-0.04755	1.979669	-0.30567	0.763466	0.803283	-6.74559	2.609804	2.748839	2.423483	2.791417	2.85862	2.429135	2.667326	2.511284	2.274723	2.527059	2.267764	2.055402	1.916818	2.23054	2.220059	1.992244	1.513652	1.877799
CDK4	ENSG00000135446	-0.46662	7.535344	-15.3771	1.35E-11	7.78E-10	16.65815	7.453996	7.460745	7.481587	6.988173	7.05654	7.094475	7.294962	7.327574	7.369207	8.013993	7.992857	8.040081	7.490481	7.571123	7.48703	7.892118	7.875532	7.893568
TROAP	ENSG00000135451	-1.65454	3.632752	-5.51068	3.46E-05	0.000117	2.132471	4.10996	4.094678	3.947516	3.425084	3.747367	3.655458	4.877071	4.944392	4.923769	4.261822	4.195737	4.24267	1.776519	1.819936	1.722572	4.147172	4.357943	4.037057
TSPAN31	ENSG00000135452	0.628449	5.478728	6.486218	4.88E-06	2.13E-05	3.620519	5.362012	5.444322	5.576519	5.794018	5.641162	5.817452	5.465469	5.714958	5.62645	5.060666	5.102956	5.115519	5.992313	5.971557	5.945062	5.110102	5.256415	5.230349
B4GALNT1	ENSG00000135454	0.651736	2.332515	2.360342	0.030113	0.047152	-3.94951	5.970071	5.959918	5.994	6.600012	6.722639	6.707287	6.404611	6.310139	6.30432	0.483018	0.524532	0.397516	0.294634	0.416769	0.263213	0.738851	0.433238	0.734116
TFCP2	ENSG00000135457	-0.27217	5.950276	-6.86576	2.36E-06	1.15E-05	4.306665	6.134836	6.160165	6.149702	5.955291	5.842105	5.889947	5.943836	6.097632	5.983548	6.058212	6.014403	6.097004	5.780368	5.743628	5.811809	6.062088	5.908034	5.904981
COQ10A	ENSG00000135469	-0.40793	4.236419	-4.47648	0.000312	0.000809	-0.33362	5.060589	4.999934	4.954444	4.525489	4.594038	4.480358	4.825625	4.894793	4.860948	4.054455	4.251617	4.071539	3.830164	3.921728	3.707028	3.485915	3.636099	3.591857
PAN2	ENSG00000135473	-0.3688	4.884266	-3.2906	0.004192	0.008116	-3.06994	5.663084	5.520446	5.764758	5.092847	5.039662	5.131272	5.582443	5.372491	5.493457	4.782995	4.758608	4.60982	4.653644	4.425185	4.577054	4.249541	4.123255	4.037057
ESPL1	ENSG00000135476	-1.15302	3.463765	-4.59772	0.00024	0.000641	0.158518	3.85351	3.863696	3.93931	3.70135	3.808643	3.733615	4.057185	4.138304	3.979442	4.003384	3.780465	3.863099	2.062048	2.016959	2.276326	3.906321	3.974229	4.129778
KRT7	ENSG00000135480	0.19207	9.00475	1.871358	0.078131	0.11077	-6.3704	7.546333	7.401587	7.494946	7.267158	7.435371	7.245024	6.629391	6.651149	6.683414	10.74818	10.64992	10.72958	11.0911	11.09588	11.12004	10.7881	10.80197	10.81056
ZC3H10	ENSG00000135482	0.579172	3.59565	4.813965	0.00015	0.000424	0.517162	3.300651	3.494617	3.511328	4.254996	4.267295	4.34463	4.111894	3.967564	4.032233	3.584041	3.494263	3.45816	3.746669	3.695921	3.831176	3.407564	3.2466	3.176297
HNRNPA1	ENSG00000135486	-0.22569	9.870471	-5.30191	5.34E-05	0.000171	0.802292	10.09262	10.07667	9.999247	9.845753	9.806954	9.82876	10.17683	10.29353	10.24512	9.826517	9.790849	9.760183	9.545017	9.576623	9.584579	9.685746	9.764148	9.79838
ACVR1B	ENSG00000135503	0.150991	4.891117	3.046908	0.007115	0.013049	-3.62899	5.1077	5.011285	5.11242	5.147291	5.244245	5.242382	4.832157	4.933517	4.860948	4.835851	4.761819	4.77868	4.971246	4.817636	5.047545	4.768358	4.687803	4.775955
OS9	ENSG00000135506	0.806606	8.246474	29.87576	1.89E-16	4.95E-13	28.00865	8.083231	8.112062	8.111453	8.889969	8.934461	8.970487	8.477204	8.452193	8.493881	7.683147	7.599947	7.631831	8.425992	8.416195	8.406482	7.93883	7.936832	7.964518
LTV1	ENSG00000135521	-0.4652	4.607605	-5.9297	1.47E-05	5.54E-05	2.687486	5.146396	5.300601	5.328907	4.674482	4.580048	4.610338	5.071794	5.233099	5.313214	4.455814	4.335892	4.50975	4.118714	4.1851	4.213876	4.267397	4.313961	4.4056
MAP7	ENSG00000135525	0.340924	6.802465	3.538998	0.002433	0.005001	-2.75783	7.95583	8.008717	7.988091	8.582575	8.566109	8.6125	8.184843	8.05315	8.071005	5.411303	5.473744	5.503074	5.441792	5.455925	5.287753	5.406484	5.462956	5.344873
CD164	ENSG00000135535	0.772268	7.825662	4.892828	0.000127	0.000365	0.044621	7.233196	7.191457	7.267214	8.728502	8.613669	8.676089	8.030808	8.02589	8.015056	7.650323	7.602635	7.605691	7.76367	7.754018	7.758366	7.656669	7.708165	7.704177
AFG1L	ENSG00000135537	-0.38167	1.486725	-2.96398	0.008506	0.01526	-2.96428	2.369288	2.308123	2.326135	2.143217	1.768674	2.258349	2.186178	2.184314	1.962896	1.646779	2.032826	1.896649	1.689764	1.495836	1.550722	1.880661	1.707432	1.703111
NHSL1	ENSG00000135540	0.363894	4.594891	1.951851	0.067168	0.096858	-5.51103	5.160214	5.221361	5.169662	5.772136	5.927456	5.911724	6.281144	6.234624	6.282695	3.666603	3.860515	3.728156	3.436163	3.487446	3.317756	3.6717	3.385297	3.650813
AHI1	ENSG00000135541	0.976582	3.474735	8.992864	5.70E-08	4.96E-07	8.590634	4.179456	4.324392	4.153091	5.26388	5.342823	5.363212	4.437325	4.467202	4.459769	2.47802	2.485369	2.435052	2.83289	3.054776	3.010124	2.479639	2.169028	2.649309
PKIB	ENSG00000135549	-0.24816	2.354005	-1.51919	0.146598	0.192815	-6.2528	1.069823	0.661886	0.756332	1.634586	1.164793	2.317553	0.670238	0.824004	0.629397	4.806358	4.777766	4.77868	4.379991	4.420842	4.464508	5.194188	5.075063	5.154286
SMPD2	ENSG00000135587	0.568869	2.988386	5.772591	2.02E-05	7.26E-05	2.666895	3.17016	3.235413	3.044832	3.472378	3.630051	3.459109	3.457463	2.981485	3.064594	2.558849	2.766797	2.86487	3.288992	3.428092	3.335521	3.143207	3.160915	2.975687
MICAL1	ENSG00000135596	1.318143	2.929403	8.105156	2.51E-07	1.69E-06	7.119815	3.325391	3.335139	3.119366	3.753334	4.167908	4.009735	2.806512	3.141256	3.323715	2.204194	1.967585	2.243088	3.746669	3.688714	3.734067	2.554269	2.649824	2.649309
REPS1	ENSG00000135597	-0.10623	5.543194	-1.96365	0.065681	0.094936	-5.8141	5.849458	5.877545	5.799175	5.640298	5.47722	5.608136	5.904087	5.833775	5.767022	5.391578	5.34694	5.373413	5.421744	5.436694	5.354615	5.378002	5.453977	5.43987
STX11	ENSG00000135604	0.33127	1.398038	0.830289	0.417573	0.482672	-6.22586	3.011517	3.209365	2.966237	2.577385	2.904251	2.885561	2.779728	2.540248	3.084728	0.609835	1.029669	1.061592	1.973006	2.23054	1.695314	1.13872	0.69947	0.409347
TEC	ENSG00000135605	-0.09167	2.769523	-0.91761	0.37131	0.435919	-6.63389	2.949211	2.836538	3.06005	2.605941	2.490996	2.5075	2.884002	2.728183	2.616448	3.145032	3.096753	3.195594	3.205461	3.292034	3.234995	3.113899	3.149837	3.477085
PRADC1	ENSG00000135617	0.279612	3.079778	1.6479	0.117232	0.158645	-5.81069	2.483604	2.332462	2.351095	3.533117	3.616407	3.306732	3.158032	3.196885	3.064594	3.496465	3.524821	3.636224	3.339736	3.329589	3.445943	3.644629	3.667508	3.466183
SEMA4F	ENSG00000135622	0.210631	4.011081	2.863752	0.010542	0.018507	-3.78761	4.538049	4.360345	4.307715	4.687901	4.507984	4.440963	4.19533	4.184903	4.170531	3.681119	3.799336	3.647349	3.970183	3.952144	3.962731	3.917673	3.675254	3.856822
CCT7	ENSG00000135624	-0.42134	9.107621	-9.82884	1.54E-08	1.69E-07	9.277411	9.392237	9.383986	9.354487	8.823512	8.8085	8.805157	9.197746	9.241203	9.234483	9.271031	9.173246	9.216356	8.937068	8.919844	8.933625	9.110924	9.084537	9.098317
RAB11FIP5	ENSG00000135631	0.136765	5.091778	1.46712	0.160107	0.208351	-6.50078	5.544295	5.407565	5.399401	5.487537	5.687572	5.513197	5.183289	5.178875	5.107194	4.724629	4.699561	4.755733	4.907798	5.02357	4.742646	5.067422	4.949728	5.06679
SMYD5	ENSG00000135632	-0.39763	6.394162	-6.78003	2.77E-06	1.31E-05	4.094625	6.928656	6.982416	6.854442	6.371699	6.415061	6.297196	6.635005	6.524609	6.605426	6.408288	6.213955	6.321081	6.137669	6.069144	6.017005	6.235393	6.132834	6.268742
DYSF	ENSG00000135636	1.417789	2.665622	6.796826	2.69E-06	1.28E-05	4.550566	2.080492	2.448351	1.987129	1.519216	1.612488	1.623325	1.70672	1.605065	1.674905	3.246125	3.668598	3.419749	5.19838	5.123169	5.050237	3.912008	3.910024	3.716682
CCDC142	ENSG00000135637	0.513847	3.815315	8.946223	6.14E-08	5.27E-07	8.367073	3.249862	3.248262	3.322321	3.688057	3.912781	3.59692	3.690999	3.711575	3.60036	3.864012	4.087306	3.982106	4.483553	4.394504	4.527685	4.454386	4.395944	4.38838
KCNMB4	ENSG00000135643	1.548307	2.853572	7.290455	1.07E-06	5.82E-06	5.686384	1.791852	1.631689	1.706811	3.863871	3.6964	3.868406	3.507292	3.564249	3.513908	2.47802	2.804649	2.806521	3.46257	3.552417	3.509921	3.245848	3.046116	3.387478
USP15	ENSG00000135655	-0.02413	5.986155	-0.42469	0.676242	0.725225	-7.61634	6.224702	6.386249	6.252636	6.173706	6.094235	6.25428	6.560254	6.455968	6.40983	5.676959	5.694779	5.681416	5.699414	5.759194	5.765055	5.675823	5.718611	5.699258
GNS	ENSG00000135677	0.541135	8.225505	7.702029	5.08E-07	3.07E-06	5.717602	8.758586	8.759814	8.742493	9.442145	9.339564	9.430515	9.06713	9.087493	9.049027	7.28198	7.415024	7.275485	7.733151	7.742753	7.721687	7.130041	7.103897	7.086027
CPM	ENSG00000135678	0.281235	2.280326	2.549119	0.020446	0.033419	-4.09291	2.27083	2.534795	2.446827	2.255624	2.155834	2.374422	2.102195	2.069791	2.202855	2.894025	2.792142	2.682227	3.108457	3.253475	3.281558	2.597261	2.755911	2.442395
MDM2	ENSG00000135679	-0.37148	6.660914	-4.05235	0.000788	0.001832	-1.58511	8.36707	8.505658	8.477235	7.990866	7.766355	7.805721	8.453569	8.444553	8.393544	4.98955	5.05665	5.026725	5.038617	5.093459	5.039439	5.271431	5.339201	5.277879
KLHL36	ENSG00000135686	0.219634	5.493601	2.867224	0.010464	0.018384	-4.13618	5.275788	5.158086	5.244837	5.05192	5.128856	5.114677	5.060712	5.268148	5.22526	5.707417	5.818649	5.647191	6.111833	6.191472	6.117969	5.826459	5.735381	5.809023
MPHOSPH	ENSG00000135698	-0.49164	4.431111	-6.56805	4.17E-06	1.86E-05	3.974834	4.693417	4.609725	4.531653	4.502891	4.310303	4.414089	4.487843	4.576102	4.490278	4.71408	4.748933	4.729802	4.122859	4.016884	4.114488	4.598895	4.621188	4.708177
KIAA0513	ENSG00000135709	0.437046	3.481256	3.497654	0.002665	0.005425	-2.38436	2.965042	2.513665	2.966237	3.791129	3.820593	3.700636	3.440463	3.40015	3.306673	3.818776	3.942027	3.743789	4.063713	3.987816	3.793113	4.000079	3.896833	3.930053
DYNC1LI2	ENSG00000135720	0.021679	8.038234	0.759175	0.457865	0.521459	-7.62539	8.184318	8.17944	8.190073	8.225769	8.165818	8.212375	8.275703	8.30174	8.287333	7.877269	7.845168	7.823321	7.835519	7.908967	7.877592	7.846815	7.857346	7.896616
FBXL8	ENSG00000135722	0.739771	1.642504	6.532003	4.47E-06	1.98E-05	4.366159	1.755904	1.81559	2.018628	2.325974	2.549605	2.429135	1.867984	2.069791	1.777424	1.814181	2.174476	1.800268	2.479079	2.48471	2.465679	1.734264	1.67689	1.942153
FHOD1	ENSG00000135723	-0.09019	5.870759	-0.72442	0.478392	0.541848	-7.41195	6.145295	6.052567	6.1372	6.34865	6.474882	6.231372	6.244885	6.150246	6.19974	5.501993	5.624209	5.580563	5.261781	5.191052	5.087406	6.044073	5.898138	5.975866

CCDC102A	ENSG00000135736	1.116579	2.992349	7.821162	4.12E-07	2.57E-06	6.606582	2.833249	3.128277	3.06005	3.921807	4.186495	3.643939	3.027514	3.063581	3.023464	2.204194	2.485369	2.693003	3.526548	3.576046	3.517722	3.341669	3.225651	2.778299
SLC9A5	ENSG00000135740	-1.12279	1.257089	-8.76684	8.23E-08	6.72E-07	8.259707	2.568952	2.534795	2.492412	2.021307	1.437317	1.623325	2.102195	1.988058	2.005764	1.814181	1.945166	1.858866	1.248697	1.077171	1.17005	1.482378	1.442809	1.703111
PCNX2	ENSG00000135749	0.256932	4.301726	1.762826	0.095406	0.132301	-5.93117	4.753899	4.715296	4.73022	4.59836	4.462952	4.580436	4.034706	3.90213	3.968647	4.098381	4.10258	3.872611	4.621778	4.638459	4.468538	4.46216	4.405289	4.370952
KCNK1	ENSG00000135750	-0.19031	4.466406	-1.62368	0.12234	0.1649	-6.15875	5.135946	5.08834	5.176661	5.0571	5.094821	4.992837	4.274204	4.290959	4.22597	4.281009	4.357275	4.491347	4.135224	4.250194	4.01878	4.249541	4.247965	4.261717
URB2	ENSG00000135763	-0.55619	6.164247	-11.0467	2.61E-09	4.01E-08	11.32889	6.572167	6.476378	6.500048	5.733834	5.882565	5.820014	6.477256	6.387886	6.361138	6.304287	6.211608	6.320212	5.895085	5.852446	5.822871	6.235393	6.206853	6.275002
EGLN1	ENSG00000135766	0.080642	6.003597	0.781914	0.444729	0.508982	-7.35243	6.546092	6.584192	6.502835	6.847279	6.774239	6.711432	6.788993	6.904661	6.782272	5.082702	5.22894	5.123508	4.948071	5.188499	5.036727	5.800633	5.840742	5.849434
CAPN9	ENSG00000135773	0.296189	1.221351	1.963588	0.065689	0.094938	-5.2532	0.882475	1.173893	1.585853	0.742604	0.730585	0.657796	0.548589	0.622068	0.256032	3.165825	3.269103	3.232997	3.611602	3.629721	3.700188	2.831347	2.908298	2.928814
COG2	ENSG00000135775	0.093092	6.191589	1.575677	0.133027	0.177258	-6.51932	6.523553	6.499401	6.47472	6.470122	6.534135	6.558776	6.56222	6.609051	6.69	5.786747	5.939825	5.858184	5.967173	6.026902	6.059045	5.717014	5.868037	5.680517
ABCB10	ENSG00000135776	-0.02268	5.382658	-0.1495	0.882871	0.904461	-7.52183	5.985675	5.983164	6.001902	6.147234	6.261358	6.278694	6.810654	6.900479	6.808235	4.796392	4.620414	4.771071	4.290695	4.264807	4.359898	4.500412	4.455636	4.439435
NTPCR	ENSG00000135778	-0.22455	5.529314	-4.07173	0.000755	0.001764	-1.45574	6.75287	6.823	6.701506	6.430757	6.44045	6.405195	6.23506	6.201009	6.171778	4.85838	4.722812	4.850228	4.816056	4.729072	4.698713	4.522885	4.473517	4.394143
TAF5L	ENSG00000135801	-0.31253	5.956691	-5.38601	4.48E-05	0.000147	1.298899	6.4453	6.288557	6.317392	5.988204	5.899563	5.988874	6.371361	6.41355	6.37551	5.927333	5.732906	5.901803	5.672801	5.566222	5.61313	5.744367	5.770158	5.642288
GLUL	ENSG00000135821	0.423926	5.612087	5.027649	9.53E-05	0.000284	0.459119	4.02189	3.855322	3.755225	3.57705	3.722109	3.776446	3.555458	3.736817	3.513908	7.620036	7.630565	7.569233	8.147211	8.147787	8.158986	7.032907	7.158804	7.162302
STX6	ENSG00000135823	0.087188	6.120196	1.991826	0.062251	0.090566	-5.85902	6.012583	6.125763	6.057932	6.243524	6.219102	6.229446	6.419869	6.310139	6.325625	5.97524	6.106936	6.022062	6.101368	6.046769	6.004567	6.152543	6.087109	6.107972
RNASEL	ENSG00000135828	0.379586	4.183166	3.67399	0.001809	0.003847	-2.08975	4.333741	4.484999	4.363979	4.898777	4.675247	4.869675	4.819063	4.664259	4.837409	3.805587	3.958911	3.824415	4.055062	4.274468	4.114488	3.595997	3.494411	3.744016
DHX9	ENSG00000135829	-0.24031	8.659288	-4.30507	0.000453	0.001122	-1.29628	8.659003	8.656062	8.671194	8.557208	8.490993	8.613977	9.100994	9.067736	9.09659	8.702896	8.669795	8.646567	8.299175	8.307761	8.316825	8.71045	8.662437	8.704802
KIAA1614	ENSG00000135835	0.301423	-0.15354	0.946607	0.356744	0.421249	-5.78366	1.384302	1.277811	1.406977	1.791994	1.612488	1.669505	2.637802	2.481727	2.127218	0.34397	0.583785	0.594297	0.352262	0.550009	0.470356	0.63264	0.433238	0.315289
CEP350	ENSG00000135837	0.108338	6.537494	1.45087	0.164527	0.213111	-6.7475	6.44671	6.473645	6.460454	6.737027	6.637387	6.83181	6.800697	6.79778	6.873342	6.48061	6.657469	6.285031	6.399246	6.503249	6.370394	6.384993	6.376817	6.44842
NPL	ENSG00000135838	-1.48071	1.471195	-6.90011	2.21E-06	1.08E-05	5.106113	4.516725	4.406929	4.641955	3.562554	2.787348	2.961768	3.474265	3.477062	3.721038	0.834246	1.029669	1.333627	0.656707	0.671977	0.470356	0.686723	0.637375	0.659518
NIBAN1	ENSG00000135842	0.129683	4.990581	1.01249	0.325116	0.388508	-6.98054	5.501516	5.404699	5.522611	6.064776	5.856685	6.055601	5.473848	5.7022	5.602211	4.596474	4.570022	4.518865	4.191564	4.298341	4.139984	4.374256	4.293974	4.59264
PIGC	ENSG00000135845	0.277045	5.688935	4.447497	0.000332	0.000854	-0.7304	5.696657	5.79457	5.671231	6.067345	6.049244	6.208094	5.36994	5.431657	5.534291	5.593087	5.636504	5.738449	5.854531	5.776294	5.884506	5.459873	5.482955	5.673426
LAMC1	ENSG00000135862	-0.06481	9.804485	-0.91303	0.373648	0.438446	-7.55779	11.44037	11.46983	11.49763	11.61777	11.53542	11.65534	11.56447	11.5377	11.5566	8.227152	8.207919	8.092658	7.839303	7.832551	7.833345	8.235525	8.19302	8.199455
RC3H1	ENSG00000135870	-0.12846	5.276978	-2.43701	0.025759	0.041135	-4.93709	5.340935	5.482886	5.50047	5.359221	5.217382	5.404757	5.238424	5.228657	5.274297	5.510146	5.535075	5.383428	5.271149	5.395233	5.339289	5.046891	5.021374	5.123395
SP110	ENSG00000135899	-0.59233	1.764042	-2.71493	0.014455	0.024536	-3.77223	1.12723	1.002471	0.679585	1.978268	1.718467	1.422231	1.074544	1.430416	1.38134	3.45483	3.612795	3.573456	2.649667	2.743101	2.647333	3.350072	3.413359	3.581792
MRPL44	ENSG00000135900	-0.34344	6.00693	-4.86175	0.000136	0.000387	0.159434	6.377422	6.356888	6.434415	5.878371	5.856685	5.840343	6.395819	6.405702	6.411824	6.014459	5.810921	5.987463	5.736406	5.791513	5.771595	5.908404	5.789916	5.778504
PAX3	ENSG00000135903	0.021016	-1.53418	0.127799	0.899767	0.917888	-6.17496	2.27083	2.308123	2.300736	2.21912	2.229385	2.455733	2.186178	2.324112	2.34318	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
DOCK10	ENSG00000135905	-0.47537	6.037115	-4.48255	0.000308	0.000799	-0.60647	7.381384	7.459365	7.490741	6.932892	6.863577	6.954615	6.980512	6.836241	6.907654	5.085433	5.046155	5.180139	4.698772	4.686287	4.794943	5.346849	5.284541	5.262209
TTLL4	ENSG00000135912	-0.50105	6.003354	-6.84163	2.47E-06	1.19E-05	4.244051	6.232898	6.27135	6.288611	5.468225	5.617385	5.614052	5.774426	5.698992	5.748211	6.293698	6.301497	6.319343	6.02922	5.923245	5.937812	6.296455	6.337082	6.331655
USP37	ENSG00000135913	-0.66715	5.252052	-7.52212	7.02E-07	4.04E-06	5.667721	5.440544	5.533626	5.347631	5.222985	4.966263	5.1639	5.405414	5.462247	5.256657	5.678768	5.56295	5.55716	4.612964	4.797675	4.752597	5.482982	5.513525	5.491856
ITM2C	ENSG00000135916	0.692162	6.952506	9.053471	5.17E-08	4.56E-07	8.147013	5.845187	5.752349	5.819438	6.850266	6.85634	6.764257	6.693573	6.711283	6.794548	7.11293	7.215799	7.204297	7.630988	7.658567	7.620263	7.668477	7.584553	7.600819
SLC19A3	ENSG00000135917	0.806592	1.490995	2.763515	0.013045	0.022382	-3.24203	2.949211	2.950996	2.883112	3.977507	3.99943	3.982555	4.057185	3.798055	3.796224	0.982259	0.986408	0.993481	0.656707	0.784432	0.593579	0.63264	0.975239	0.872651
SERPINE2	ENSG00000135919	-0.33267	7.644489	-1.59287	0.129112	0.172752	-6.45124	10.0812	10.11203	10.0613	10.24049	10.00337	10.11897	10.50964	10.46158	10.52881	5.200749	5.35759	5.359952	4.033205	4.067774	4.179864	5.928183	5.942144	5.890784
DNAJB2	ENSG00000135924	0.911773	5.8866	14.28645	4.48E-11	1.81E-09	15.54931	5.237197	5.309824	5.169662	6.250324	6.135476	6.064269	6.28591	6.216793	6.22717	5.46891	5.502818	5.371738	6.374253	6.291205	6.307655	6.063366	6.057777	6.095646
WNT10A	ENSG00000135925	0.844876	-0.40025	2.963974	0.008506	0.01526	-2.98693	0.216396	0.499412	0.323815	0.258133	0.106501	0.2349	0.548589	0.387194	0.106501	1.787595	1.875739	1.896649	2.770846	2.888589	2.703134	1.880661	1.981819	1.626848
TMBIM1	ENSG00000135926	0.5713	7.360084	14.95514	2.13E-11	1.08E-09	16.20346	7.100639	7.049103	7.066149	7.523468	7.524819	7.512223	7.436719	7.456621	7.368181	7.028883	6.978388	7.059827	7.700241	7.704851	7.678406	7.510169	7.459477	7.488808
EIF4E2	ENSG00000135930	-0.01696	7.185455	-0.37736	0.710446	0.757232	-7.78727	7.338732	7.385683	7.354662	7.252557	7.244562	7.156592	7.302038	7.366504	7.353735	7.100159	6.998261	7.065021	7.156728	7.159458	7.135548	7.084811	6.975672	7.092244
ARMC9	ENSG00000135931	0.177282	4.387066	1.8561	0.08038	0.113509	-5.87119	4.131163	4.495815	4.388298	4.236852	4.177232	4.28655	3.474265	3.605944	3.340558	4.851979	4.777766	4.87173	5.160571	5.082502	5.171406	4.817667	4.683969	4.762652
CAB39	ENSG00000135932	0.06053	7.619726	1.314552	0.20565	0.259325	-7.04358	6.891862	6.83689	6.795426	6.818591	6.693695	6.778813	7.275922	7.260623	7.223592	8.142484	8.145685	8.125349	8.283059	8.288224	8.305321	8.427915	8.508612	8.505261
COX5B	ENSG00000135940	0.157071	6.785781	2.705015	0.01476	0.024988	-4.60245	7.026197	6.998666	7.032792	6.984099	7.179939	6.88904	6.898859	6.823043	6.85441	6.534567	6.490434	6.616123	6.833478	6.856736	6.85907	6.592237	6.527782	6.391939
REV1	ENSG00000135945	0.044263	5.317727	1.018931	0.322133	0.385409	-7.10162	5.256622	5.256764	5.244837	5.325276	5.305047	5.302231	5.319693	5.492201	5.342774	5.391578	5.427994	5.375087	5.409919	5.48534	5.386919	5.394346	5.299655	5.368484
TSGA10	ENSG00000135951	-0.05819	2.200733	-0.37205	0.71433	0.760404	-6.98097	2.051128	1.780637	2.138168	1.634586	1.087782	1.526279	1.816207	1.809233	2.087859	3.367773	3.339557	3.406715	3.288992	3.738425	3.517722	2.831347	3.267249	3.215882
MFSD9	ENSG00000135953	0.870871	4.669305	7.058602	1.64E-06	8.38E-06	4.938598	4.186225	4.372133	4.441562	5.227586	5.128856	5.072334	5.747035	5.669801	5.591697	3.914031	3.884278	3.995227	4.739835	4.736081	4.829829	4.654234	4.460128	4.515429
TMEM127	ENSG00000135956	0.478984	7.342209	9.177289	4.24E-08	3.88E-07	8.323876	6.864692	6.829428	6.930934	7.267158	7.307475	7.332837	7.312587	7.252989	7.25169	7.337447	7.338603	7.343325	7.866751	7.802818	7.887787	7.519512	7.465632	7.416325
TGFBRAP1	ENSG00000135966	-0.08825	6.069665	-1.8663	0.078871	0.111636	-6.05298	6.249151	6.252341	6.353352	6.097824	6.19406	6.261836	6.464699	6.450256	6.483715	5.904318	5.864171	5.938492	5.745844	5.834598	5.895027	5.919739	5.862958	5.884657
GCC2	ENSG00000135968	-0.01545	5.927068	-0.24676	0.807971	0.840703	-7.70786	6.258816	6.151641	6.191761	5.977316	5.952107	6.044692	5.736627	5.764893	5.866318	6.02018	6.056844	5.979782	6.143802	6.173513	6.154705	5.455985	5.623718	5.57792
MRPS9	ENSG00000135972	-0.41819	5.63019	-6.96561	1.95E-06	9.77E-06	4.552583	6.129578	6.111769	6.074887	5.499001	5.49597	5.451761	5.863212	5.845426	5.860491	5.685984	5.579421	5.675994	5.406522	5.451674	5.395412	5.42251	5.474101	5.464729
C2orf49	ENSG00000135974	-0.0391	5.210749	-0.76302	0.455629	0.519452	-7.32086	5.397444	5.32203	5.353819	5.26388	5.084948	5.1639	5.120637	5.197177	5.092354	5.295783	5.331897	5.336087	5.372111	5.38635	5.41643	5.072509	5.211838	5.091828
ANKRD36	ENSG00000135976	-0.56882	1.065814	-2.56626	0.019731	0.032385	-3.6497	2.218961	2.258179	2.300736	1.634586	1.817192	1.422231	2.186178	2.540248	1.918715	1.555182	1.616737	1.277453	1.392977	1.320413	1.247156	0.884806	1.442809	1.222783
EPC2	ENSG00000135999	0.298252	5.261671	2.435698	0.025828	0.041214	-4.91557	5.132445	5.195056	5.228093	5.209091	5.059965	5.334836	5.620676	5.798247	5.729151	5.079966	5.059262	5.016036	5.601813	5.566222	5.44535	5.028684	5.089629	5.217405
ARHGEF4	ENSG00000136002	-0.46255	4.794855	-2.78953	0.012345	0.021313	-4.21498	5.049495	5.070363	5.014266	3.827958	4.040879	3.678224	3.632324	3.761625	3.4839	5.60265	5.514285	5.620625	5.430131	5.445273	5.497567	5.669122	5.597458	5.497221
ISCU	ENSG00000136003	-0.09757	6.169436	-1.397	0.179898	0.230546	-6.7562	7.042142	6.991042	6.9937	6.800173	6.761899	6.836877	6.556314	6.305929	6.466555	5.693164	5.599299	5.666457	5.635569	5.743628	5.677227	5.568288	5.513525	5.600528
ALDH1L2	ENSG00000136010	-1.0986	2.721551	-4.75866	0.000169	0.000472	0.616624	2.933205	2.90305	2.776595	2.791417	2.811499	2.741673	3.137083	3.122225	2.748518	3.463254	3.287042	3.38694	1.689764	2.21055	2.10048	3.617041	3.644015	3.744016
USP44	ENSG00000136014	-0.19335	-0.06611	-2.27302	0.035904	0.055231	-4.75647	0.216396	0.215206	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.737768	3.761343	3.882059	3.652319	3.752319	3.658454	3.595997	3.698248	3.679412
SCYL2	ENSG00000136021	0.109407	6.565585	1.43467	0.169033	0.218272	-6.77804	6.492486	6.536539	6.460454	6.542081	6.331931	6.450533	6.756738	6.790264	6.806721	6.48682	6.556631	6.486621	6.737395	6.771466	6.734894	6.542691	6.461011	6.518688
CKAP4	ENSG00000136026	0.648112	7.172692	4.403887	0.000365	0.000928	-0.90179	8.016433	8.067445	8.102294	9.207244	9.075451	9.086458	8.518795	8.463578	8.504663	5.625347	5.664221	5.757825	5.725544	5.777993	5.684176	6.036282	6.060737	6.015662
PLXNC1	ENSG00000136040	1.381228	0.224658	5.819987	1.83E-05	6.68E-05	2.969773	0.667115	0.316291	0.323815	1.256461	1.612488	0.657796	0.269385	0.509405	0.106501	1.840286	2.011405	1.839597	2.940139	2.913535	2.895043	1.708352	1.766644	2.119598
APPL2	ENSG00000136044	0.241918	4.954853	3.745825	0.001545	0.003331	-2.11033	5.266237	5.337144	5.228093	5.325276	5.33034	5.377194	5.409787	5.302366	5.400136	4.489195	4.57368	4.527922	4.975836	4.90419	4.866948	4.602417	4.49993	4.651565
PWP1	ENSG00000136045	-0.31334	5.996466	-3.14677	0.005732	0.010749	-3.54253	7.268708	7.193119	7.127028	6.481726	6.599745	6.645089	6.649872	6.734965	6.686711	5.203266	5.176975	5.232786	5.212064	5.310903	5.352435	5.20581	5.132464	5.21089
DRAM1	ENSG00000136048	-0.49977	4.718401	-2.27819	0.035535	0.054733	-4.93958	6.600314	6.695103	6.713586	5.71757	5.687572	5.738416	6.237523	6.18505	6.099406	3.226465	3.146729	3.157196	3.830164	3.806595	3.747398	3.272618	3.277464	3.340497
WASHC4	ENSG00000136051	0.291671	6.61721	5.773717	2.02E-05	7.25E-05	2.047647	6.974345	6.996764	6.926789	7.383063	7.319103	7.376124	7.259054	7.275772	7.185644	6.004393	6.129481	5.899478	6.141761	6.174803	6.229054	6.02189	6.018732	6.088556
SLC41A2	ENSG00000136052	0.583984	4.358516	7.20022	1.26E-06	6.69E-06	5.143499	3.792713	3.82133	3.889066	4.479932	4.249727	4.499659	3.866715	3.946081	4.05282	4.710546	4.815334	4.793777	5.295224	5.263181	5.403856	4.236002	4.353122	4.335451
VILL	ENSG00000136059	1.167551	1.702985	9.090027	4.87E-08	4.35E-07	8.804366	1.010037	1.374745	1.585853	2.393052	1.953662	2.402038	1.762502	1.491012	1.244857	2.409929	2.135404	2.355887	3.251622	3.310934	3.075009	2.283004	2.315011	2.302316
FLNB	ENSG00000136068	-0.37979	9.351335	-2.23996	0.038355	0.058621	-5.66369	10.79786	10.78178	10.88437	9.736591	9.808267	9.886109	10.09126	9.990758	9.961371	8.395333	8.452551	8.287896	8.769872	8.627414	8.726443	8.398086	8.358827	8.418856
NEK3	ENSG00000136098	-0.33388	2.303638	-2.32247	0.032509	0.050559	-4.43076	3.17016	3.248262	2.916938	2.840308	2.117603	2.697781	2.480375	2.702788	2.440135	2.664903	2.388995	2.422156	2.452975	2.326537	2.497588	2.334732	2.48331	2.326628
VPS36	ENSG00000136100	-0.47797	5.593581	-8.25015	1.96E-07	1.37E-06	6.95592	6.171116	6.13617	6.234306	5.720837	5.651233	5.617001	6.264336	6.157275	6.256309	5.504036	5.457995	5.349772	4.98725	5.014952	5.036727	5.198848	5.256415	5.249549
RNASEH2B	ENSG00000136104	-0.54368	4.590137	-9.88699	1.41E-08	1.58E-07	9.776588	4.888652	4.885335	4.790768	4.152252	4.149079	4.30129	4.583863	4.526303	4.490278	4.908591	4.939615	5.054151	4.47385	4.561635	4.56581	4.787047	4.755137	4.918728
CKAP2	ENSG00000136108	-0.47358	5.069894	-3.95287	0.00098	0.002225	-1.67182	5.250176	5.164879	5.11242	5.325276	5.114368	5.215396	5.56294	5.420016	5.431918	5.264796	5.251956	5.29777	4.407437	4.398927	4.402656	5.057193	5.157568	5.236778
TBC1D4	ENSG00000136111	-0.18061	4.662652	-0.9325	0.36378	0.428651	-7.072	4.721647	4.691972	4.917323	5.444703	5.279302	5.294884	4.274204	4.265167	4.151567	4.983707	4.987026	4.965822	4.25337	4.284065	4.302347	4.598895	4.805418	4.784756
THSD1	ENSG00000136114	-0.25041	0.132208	-0.91037	0.375014	0.439723	-5.90015	2.165157	1.947501	1.744977	1.578054	1.909591	1.623325	1.70672	1.605065	1.873138	0.54782	0.799097	0.594297	0.701742	0.345231	0.910419	0.884806	0.637375	0.409347
BORA	ENSG00000136122	-0.96593	2.818945	-5.41608	4.21E-05	0.000139	1.981425	2.965042	2.748839	2.966237	2.791417	2.811499	2.697781	3.258446	3.160038	2.981126	3.367773	3.569479	3.513924	2.42639	2.250257	2.07955	3.717885	3.440885	3.770842
LRCH1	ENSG00000136141	0.512492	3.906076	5.779336	1.99E-05	7.18E-05	2.472263	3.498536	3.235413	3.443319	4.152252	4.091068	4.088331	4.185161	3.999201	4.170531	3.938405	4.045764	3.853525	4.400624	4.116929	4.27038	4.262954	4.232297	4.101878
SUCLA2	ENSG00000136143	-0.11564	5.679069	-1.49413	0.152976	0.200342	-6.56649	5.866415	5.858816	5.673707	6.01507	5.938464	5.965928	5.885366	6.012346	5.892253	5.700308	5.716452	5.655479	5.291546	5.329559	5.356791	5.596816	5.47632	5.518482
RCBTB1	ENSG00000136144	0.256843	4.101276	3.84405	0.001245	0.002741	-1.65795	4.29042	4.401188	4.526184	4.727426	4.668652	4.844735	4.968851	4.877874	4.84333	3.568508	3.447177	3.549937	3.623353	3.731427	3.593499	3.994729	3.876817	3.922098
MED4	ENSG00000136146	-0.26438	5.601517	-6.02979	1.20E-05	4.66E-05	2.674514	5.677569	5.577561	5.671231	5.396478	5.296516	5.316813	5.531176	5.78015	5.566863	5.869883	5.796904	5.785781	5.57332	5.579922	5.616767	5.731559	5.779172	5.830433
PHF11	ENSG00000136147	0.032976	3.377725	0.194724	0.847854	0.874185	-7.19461	3.792713	3.786518	3.922756	3.21869	2.948483	3.26222	2.858632	3.285084	3.4839	3.45483	3.390227	3.305013	3.830164	3.793216	3.849837	3.574643	3.84969	3.716682
RPL13AP25	ENSG00000136149	0.296163	1.59492	1.348997	0.194557	0.246928	-5.76	2.438959	2.125186	2.109199	2.999448	2.737798	2.845893	2.576877	2.069791	2.408535	1.940223	2.011405	1.439812	1.446877	1.560439	1.722572	1.177011	1.67689	1.665483
COG3	ENSG00000136152	0.268602	5.454188	4.527716	0.000279	0.000732	-0.53358	4.888652	4.80064	4.929803	5.464331	5.190008	5.349094	5.099133	5.127313	4.962367	5.813348	5.806264	5.706895	5.886577	5.958132	5.926135	5.998026	5.966024	5.934941
LMO7	ENSG00000136153	-0.27591	5.609099	-1.93048	0.069937	0.100373	-5.98151	5.350006	5.102561	5.277754	4.181007	4.301803	4.427589	3.705302	3.521314	3.572114	6.998053	7.078345	6.983424	6.935981	7.020694	7.039242	6.733023	6.846125	6.731658
SCEL	ENSG00000136155	-0.31232	4.112167	-4.00686	0.00087	0.002006	-1.6742	2.668993	2.576149	2.933559	1.634586	2.078331	1.880533	1.459147	1.491012	1.727075	6.857341	6.849268	6.871663	6.58423	6.665316	6.617284	6.376791	6.45202	6.458081
ITM2B	ENSG00000136156	0.910382	7.674196	15.07794	1.87E-11	9.76E-10	16.32358	7.001464	7.130301	7.023118	8.206668	8.112749	8.154187	7.690551	7.699044	7.74468	7.388097	7.380456	7.385873	8.028774	8.163795	8.151171	7.637488	7.697269	7.67607
SPRY2	ENSG00000136158	-1.20863	4.56764	-7.11516	1.48E-06	7.66E-06	5.049338	5.4988	5.418975	5.503257	3.840029	3.656958	3.878271	5.282018	5.108097	5.155586	5.026968	4.96212	4.968042	4.275881	4.24529	4.12984	4.240529	4.145732	4.094818
NUDT15	ENSG00000136159	-0.55511	5.228384	-7.65633	5.51E-07	3.30E-06	5.914785	5.227386	5.32203	5.238162	5.117849	4.86605	4.889321	5.32896	5.503276	5.431918	5.59692	5.485444	5.696222	4.821167	5.003379	4.866948	5.426489	5.451724	5.557523
RCBTB2	ENSG00000136161	-0.82158	2.16984	-5.83044	1.80E-05	6.57E-05	2.970131	3.361722	3.248262	3.408073	2.21912	2.429905	2.629332	2.832807	3.196885	3.00245	2.37464	2.249583	2.435052	1.897591	1.819936	2.058312	1.809319	1.766644	2.119598
LCP1	ENSG00000136167	0.723876	6.771484	2.563967	0.019826	0.032535	-4.89992	3.249862	3.196163	3.371944	5.941353	5.87112	5.963613	5.973684	6.133713	6.004837	8.486484	8.416591	8.478057	8.564819	8.610112	8.563821	8.591896	8.549753	8.586783
SETDB2	ENSG00000136169	0.268988	2.496715	2.695845	0.015047	0.025418	-3.7932	2.780548	2.513665	2.37563	2.688367	2.686486	3.016392	2.513265	2.540248	2.82232	2.693825	2.632935	2.883807	3.066031	2.985883	2.80865	2.719047	2.895091	2.724423
SCRN1	ENSG00000136193	0.501645	5.270078	10.42286	6.35E-09	8.17E-08	10.43834	3.756787	3.904854	3.922756	4.456603	4.485643	4.393601	4.164604	3.711575	4.00079	6.292517	6.409841	6.341773	6.783947	6.814317	6.835855	6.480899	6.513809	6.560288
TNS3	ENSG00000136205	-0.15133	7.36863	-1.28935	0.21408	0.268694	-7.02288	8.49899	8.515988	8.574163	7.897217	8.065832	7.988173	7.702186	7.680463	7.682459	6.683492	6.674605	6.536089	6.924747	6.917344	6.903663	6.565423	6.43044	6.578118
CHST12	ENSG00000136213	0.818055	3.701888	10.25475	8.13E-09	1.00E-07	10.49134	3.613482	3.741788	3.698006	4.640378	4.662026	4.386706	4.164604	4.175703	4.151567	3.236329	3.278101	3.240362	3.879997	3.952144	3.849837	3.478269	3.404065	3.176297
IGF2BP3	ENSG00000136231	-0.53564	5.876509	-3.99072	0.000902	0.002067	-1.661	6.871008	6.868442	6.845688	6.653998	6.539568	6.481604	7.192076	7.207443	7.281434	5.44359	5.438064	5.38509	4.621778	4.553723	4.562043	4.838721	4.847164	4.726565
GPNMB	ENSG00000136235	-0.50235	2.296999	-4.58288	0.000248	0.000659	-0.06904	1.681202	0.940485	1.358564	1.634586	0.92021	1.475193	1.317361	1.001115	1.171446	4.789709	4.748933	4.852633	4.151547	4.317159	4.329194	3.61006	3.636099	3.621636
RAPGEF5	ENSG00000136237	0.009025	1.023275	0.048917	0.96154	0.96827	-6.50503	1.990546	1.947501	2.049454	1.978268	2.398361	2.317553	2.102195	2.108984	1.962896	1.199504	1.403073	1.219002	1.186687	1.2438	0.812339	1.45147	1.329561	1.170016
RAC1	ENSG00000136238	0.141284	8.291355	3.682721	0.001775	0.003781	-2.64226	8.450615	8.483074	8.442455	8.495589	8.461248	8.486356	8.589899	8.587126	8.656145	7.946123	7.914244	7.89799	8.140582	8.168336	8.210435	8.135162	8.133462	8.132514
KDELR2	ENSG00000136240	0.235973	8.170964	5.805812	1.89E-05	6.85E-05	1.986223	8.390339	8.430138	8.358012	8.793179	8.686076	8.704438	8.842912	8.868027	8.865919	7.449273	7.50399	7.509903	7.641138	7.63298	7.59052	7.976294	7.942059	7.991854
NUP42	ENSG00000136243	-0.52102	5.122958	-8.79618	7.84E-08	6.46E-07	7.945269	5.694285	5.615246	5.666267	5.312338	5.287935	5.238557	5.262806	5.293887	5.136423	5.255126	5.299125	5.214204	4.589193	4.615839	4.735974	5.02081	4.860815	4.894538
IL6	ENSG00000136244	-1.6148	4.935212	-11.3593	1.70E-09	2.83E-08	12.10147	8.48499	8.448348	8.480066	6.801717	6.801626	6.816499	8.608092	8.503651	8.671619	2.558849	2.590228	2.682227	1.797417	2.039797	1.667532	2.400938	2.601856	2.226823
ZDHHC4	ENSG00000136247	-0.36123	6.013425	-7.8249	4.09E-07	2.56E-06	6.104038	6.507427	6.579116	6.443147	6.130133	6.018451	6.085714	5.925627	5.970398	5.942765	6.144548	6.062062	6.146848	5.842013	5.77289	5.873908	5.74914	5.833837	5.63257
BZW2	ENSG00000136261	-0.04076	7.227505	-0.72539	0.477816	0.541454	-7.58514	7.7243	7.75554	7.720006	7.53836	7.445052	7.504282	7.493452	7.504254	7.500527	6.895189	6.811811	6.857363	6.994273	6.961372	7.06742	6.850218	6.785684	6.870419
TBRG4	ENSG00000136270	-0.34431	6.846618	-10.0806	1.05E-08	1.23E-07	9.82161	7.370281	7.303425	7.325048	6.892894	6.976026	6.912032	7.128486	7.060236	7.118871	6.793638	6.72729	6.75566	6.475784	6.460513	6.498129	6.540857	6.524569	6.613129
DDX56	ENSG00000136271	-0.56705	7.239072	-9.30863	3.44E-08	3.24E-07	8.563246	7.929345	7.920658	7.940575	7.232093	7.155382	7.114437	7.560877	7.414223	7.413659	7.182179	7.109552	7.152534	6.791128	6.809341	6.73322	7.011876	6.982713	7.032532
HUS1	ENSG00000136273	-0.05639	4.694937	-0.73308	0.473227	0.536595	-7.19963	4.981078	5.018804	4.966609	4.640378	4.70778	4.610338	5.120637	5.174263	5.097318	4.485065	4.378346	4.45065	4.571104	4.642195	4.62479	4.623367	4.699246	4.749225
DBNL	ENSG00000136279	0.760245	6.455568	12.92824	2.22E-10	5.82E-09	13.83396	5.660656	5.605293	5.648759	6.553121	6.59801	6.555706	6.309508	6.363784	6.262951	6.409378	6.535214	6.506612	7.112595	7.094814	7.11255	6.741831	6.7384	6.711029
CCM2	ENSG00000136280	-0.38465	5.129627	-3.59122	0.00217	0.004522	-2.48871	5.509634	5.398948	5.511583	5.416768	5.465853	5.302231	5.213624	5.093515	5.216162	5.157281	5.1649	5.267448	4.627624	4.51757	4.639165	5.237862	5.095414	5.271631
TTYH3	ENSG00000136295	1.54184	5.867	21.21506	6.43E-14	1.53E-11	22.19776	4.461995	4.599733	4.564038	6.243524	6.366983	6.372415	5.747035	5.646681	5.735532	5.454194	5.561109	5.641639	6.943617	6.855128	6.899937	6.439169	6.40737	6.194729
TTC5	ENSG00000136319	0.157481	4.835422	2.625219	0.01745	0.028998	-4.54774	4.199669	4.236845	4.229112	4.092964	4.081169	4.256608	4.205428	4.080322	4.198517	5.673333	5.463921	5.486135	5.772474	5.757473	5.803856	5.394346	5.534971	5.610463
NKX2-8	ENSG00000136327	1.019547	-0.29126	3.996679	0.00089	0.002043	-0.8665	0.318509	0.215206	0.421314	0.258133	0.106501	0.461789	0.269385	0.106501	0.256032	1.52331	1.989662	2.07201	2.822733	2.925848	2.858649	2.782512	2.665466	2.174206
NKX2-1	ENSG00000136352	0.186514	0.993946	3.008071	0.007736	0.014033	-3.76109	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	6.099326	6.317949	6.405405	6.470101	6.48256	6.419109	6.152543	6.087109	5.91904
ADAMTS7	ENSG00000136378	1.020902	0.281942	2.980557	0.008208	0.014793	-2.65618	3.58303	3.714268	3.922756	4.727426	4.551652	4.518705	3.602068	3.122225	3.271973	0.190076	0.106501	0.230035	0.46104	0.612281	0.404558	0.183756	0.106501	0.106501
ABHD17C	ENSG00000136379	-0.04776	5.425458	-0.62743	0.538486	0.599566	-7.47015	4.538049	4.677795	4.595711	5.077635	4.813207	4.956049	5.08826	5.053893	5.036597	6.005835	5.95393	6.118149	5.789524	5.774593	5.822871	6.358164	6.338302	6.336153
IREB2	ENSG00000136381	-0.59619	7.348164	-12.9015	2.30E-10	5.95E-09	13.75345	7.728944	7.704005	7.732526	7.083905	7.11107	7.142336	7.787846	7.851263	7.75178	7.428988	7.476407	7.346741	6.842932	6.87352	6.7923	7.247713	7.240047	7.293742
ALPK3	ENSG00000136383	-1.14201	0.531332	-6.20806	8.42E-06	3.42E-05	3.691623	0.503316	0.499412	0.323815	0.52061	0.512209	0.563119	0.415731	0.387194	0.735084	3.420635	3.398501	3.413246	2.193986	2.084417	2.465679	2.819293	2.354144	2.528753
CIB2	ENSG00000136425	0.746596	3.586299	8.624419	1.04E-07	8.16E-07	7.849597	3.156438	2.784561	2.661582	3.20008	3.225109	3.136338	3.19904	3.384264	3.468658	3.851231	3.695711	3.774554	4.571104	4.541772	4.684921	4.584723	4.633169	4.376785
CALCOCO2	ENSG00000136436	0.199545	6.023649	2.440168	0.025593	0.040906	-4.99954	6.597778	6.695103	6.633196	6.648861	6.47299	6.602578	6.651719	6.61587	6.607167	5.208286	5.27461	5.330922	5.747188	5.788145	5.745256	5.323569	5.467424	5.461988
RSAD1	ENSG00000136444	0.317129	5.104415	3.320382	0.003928	0.007659	-3.01177	5.479641	5.520446	5.50047	5.647184	5.644527	5.54451	6.138227	6.138456	6.131214	4.13575	4.287703	4.271716	4.698772	4.824228	4.778803	4.817667	4.542904	4.632189
NMT1	ENSG00000136448	-0.25605	7.497992	-8.36918	1.60E-07	1.15E-06	6.955888	8.062227	8.086353	8.037459	7.757041	7.736708	7.753749	7.919429	7.96043	7.937606	7.163562	7.169407	7.238262	7.008345	6.996819	6.979768	7.138555	7.071243	7.10196
SRSF1	ENSG00000136450	-0.40946	8.007149	-10.376	6.80E-09	8.63E-08	10.20054	8.272834	8.28024	8.326896	7.98068	7.962448	8.041825	8.593748	8.620142	8.565477	7.823075	7.868811	7.906118	7.34681	7.350255	7.359349	7.991482	7.952058	7.994702
VEZF1	ENSG00000136451	0.386083	5.795478	7.156688	1.37E-06	7.17E-06	4.865434	4.933595	4.933864	5.041355	5.479843	5.33034	5.513197	5.570773	5.499594	5.588176	6.112774	6.19389	6.117149	6.495101	6.43274	6.458146	6.328703	6.43044	6.373096
TACO1	ENSG00000136463	-0.43475	5.600253	-6.41809	5.57E-06	2.39E-05	3.471347	6.016387	6.037841	6.009761	5.325276	5.3917	5.366721	5.539183	5.7054	5.660384	5.716254	5.566627	5.752683	5.441792	5.464391	5.418515	5.664076	5.605589	5.675793
TEX2	ENSG00000136478	0.004267	5.892829	0.083694	0.934251	0.946074	-7.7177	5.694285	5.572461	5.68602	5.775282	5.830334	5.825123	5.900984	5.962395	6.056723	5.942476	6.06076	6.034826	5.899924	5.943067	5.864762	6.225151	6.092904	6.154551
DCAF7	ENSG00000136485	-0.12454	8.050558	-4.26517	0.000494	0.001214	-1.36995	7.804576	7.725989	7.761906	7.62375	7.601271	7.63876	7.442067	7.478298	7.403676	8.61301	8.60803	8.597224	8.52876	8.483338	8.478953	8.413704	8.411663	8.401079
LIMD2	ENSG00000136490	1.107201	1.235049	6.385032	5.95E-06	2.52E-05	4.126289	1.561356	1.118985	1.499186	1.791994	1.864131	1.840725	1.459147	1.491012	1.826075	1.490718	1.112482	1.46518	2.412911	2.148862	2.330481	2.154563	2.295039	2.277588
BRIP1	ENSG00000136492	-1.87507	3.484459	-11.3864	1.64E-09	2.76E-08	12.11896	3.643304	3.310847	3.736403	2.48816	2.881616	2.845893	3.388228	3.415864	3.289427	4.845549	4.806033	4.798774	2.638129	2.729118	2.895043	4.40281	4.660745	4.61255
KAT7	ENSG00000136504	-0.04787	5.548817	-0.6578	0.51924	0.581273	-7.45625	5.233934	5.227863	5.22134	5.565938	5.287935	5.445139	5.539183	5.420016	5.54523	5.91203	5.874589	5.929407	5.698025	5.629696	5.725182	5.772774	5.639643	5.785098
RTP4	ENSG00000136514	-0.1072	-0.16664	-0.94502	0.357533	0.422045	-6.65523	0.106501	0.106501	0.219246	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	3.637124	3.619889	3.789694	3.563615	3.552417	3.556108	3.934535	3.808018	3.753014
ACTL6A	ENSG00000136518	-0.35686	6.101557	-9.62238	2.11E-08	2.18E-07	9.146614	5.883176	5.865087	5.874275	5.55133	5.465853	5.559916	5.586312	5.686091	5.673738	6.725241	6.681403	6.696643	6.322929	6.373292	6.357411	6.616821	6.644843	6.671239
NDUFB5	ENSG00000136521	0.051544	6.254419	0.688179	0.500373	0.562672	-7.53233	6.460736	6.416447	6.362587	6.225234	6.166236	6.156332	6.210201	6.223506	6.126365	6.292517	6.226791	6.275203	6.559977	6.569491	6.495168	6.015301	6.042884	6.106218
MRPL47	ENSG00000136522	-0.39802	5.751406	-8.54858	1.18E-07	9.03E-07	7.403756	5.653347	5.756852	5.633581	5.388282	5.321958	5.118843	5.440037	5.564476	5.37991	6.303114	6.349235	6.295675	5.950944	5.898468	5.953715	5.97376	5.950148	6.100942
TRA2B	ENSG00000136527	-0.62296	7.851833	-18.195	8.43E-13	1.02E-10	19.51268	8.029195	8.010604	7.928706	7.416698	7.357543	7.339101	8.155193	8.202179	8.150164	8.062965	8.056989	8.093421	7.438215	7.453794	7.455392	8.113422	8.081213	8.107301
SCN2A	ENSG00000136531	1.588681	-1.17028	6.204866	8.48E-06	3.44E-05	3.818388	0.106501	0.106501	0.106501	0.106501	0.25478	0.3528	0.269385	0.253663	0.256032	1.278001	1.335727	1.094478	2.112949	2.21055	2.312654	1.387593	1.406038	1.322858
MARCHF7	ENSG00000136536	0.101817	6.311361	1.610838	0.125126	0.168193	-6.47383	6.576037	6.646185	6.639541	6.574952	6.589306	6.612955	6.856232	6.917137	7.008587	5.861941	5.835508	5.800804	6.04022	6.053799	6.071023	5.918327	5.916229	6.036078
GALNT5	ENSG00000136542	0.840214	2.544509	4.760964	0.000169	0.00047	0.377652	0.882475	0.940485	0.898566	2.714828	2.605925	2.5075	1.70672	1.082132	1.171446	3.857636	3.930661	3.986493	4.44765	4.553723	4.500385	4.306784	4.542904	4.504815
TANK	ENSG00000136560	0.179965	5.401172	2.067203	0.053854	0.079519	-5.61815	5.075249	5.240779	5.431935	5.49519	5.313527	5.500479	5.63569	5.859858	5.828013	5.33303	5.349076	5.313568	5.456648	5.538426	5.465657	5.342644	5.339201	5.335919
SKIL	ENSG00000136603	0.143539	5.456005	1.010292	0.326138	0.389501	-7.17459	4.921476	4.909804	4.913139	4.674482	4.594038	4.690911	5.152303	5.368459	5.046897	6.206071	6.106936	6.010262	6.435525	6.444555	6.419109	5.582622	5.701643	5.692259
EPRS1	ENSG00000136628	-0.31596	8.451081	-8.31206	1.76E-07	1.25E-06	6.797194	9.134084	9.161769	9.145892	8.761798	8.652209	8.783994	9.106056	9.080424	9.039066	8.034276	7.991148	8.001588	7.794855	7.797383	7.796543	7.978667	7.943262	7.998963
VPS45	ENSG00000136631	0.597137	5.782334	8.529088	1.22E-07	9.28E-07	7.371752	5.403266	5.253581	5.341417	6.325226	6.018451	6.140024	5.405414	5.575011	5.591697	5.710958	5.785907	5.794563	6.17308	6.194019	6.164677	5.925374	5.869726	5.904981
KCTD3	ENSG00000136636	-0.16023	5.741948	-3.11971	0.006078	0.01133	-3.50531	7.215107	7.174727	7.082078	7.082635	7.011642	7.091298	6.908164	7.042632	6.877676	4.735102	4.662249	4.676498	4.359059	4.463697	4.468538	4.374256	4.38181	4.461559
RPS6KC1	ENSG00000136643	0.37205	5.426645	4.63946	0.000219	0.000591	-0.24644	5.643543	5.366905	5.426074	5.573188	5.644527	5.575159	5.646849	5.730749	5.757647	5.085433	5.167323	4.95243	5.600328	5.62404	5.663227	5.351042	5.251241	5.246367

CBWD2	ENSG00000136682	-0.09743	4.510938	-1.29372	0.212598	0.267046	-6.66166	4.284124	4.306074	4.249168	4.54774	4.360275	4.568299	4.283766	4.38177	4.270596	5.029806	4.857962	5.076957	4.707079	4.729072	4.722535	4.623367	4.672404	4.694231
IL1RN	ENSG00000136689	-0.92184	-1.05796	-3.38818	0.003387	0.006697	-1.95071	0.41387	0.582935	0.219246	0.258133	0.106501	0.2349	0.106501	0.106501	0.256032	1.555182	1.8028	1.718241	1.054048	1.320413	1.129895	1.708352	1.645686	1.170016
IL36RN	ENSG00000136695	-0.66448	-0.45596	-4.7476	0.000173	0.000481	0.6017	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.552807	3.494263	3.513924	2.83289	2.770668	3.064395	3.152846	3.138674	3.021085
SMPD4	ENSG00000136699	-0.31609	6.759222	-6.17306	9.03E-06	3.63E-05	2.839243	6.713584	6.73102	6.634467	6.477868	6.557529	6.458774	7.082655	7.020962	7.019088	6.947913	6.881357	6.957403	6.569879	6.500165	6.474272	7.020457	6.947162	6.921193
WDR33	ENSG00000136709	-0.36075	6.892066	-8.01831	2.92E-07	1.93E-06	6.368154	7.117558	7.042664	7.025058	6.55861	6.660839	6.569471	7.040971	7.008061	7.072995	7.026043	7.026565	7.049381	6.766831	6.757756	6.771244	6.979066	6.891721	6.919196
CCDC115	ENSG00000136710	0.48602	4.760715	9.404769	2.96E-08	2.86E-07	8.982197	4.102823	4.087546	4.042515	4.612502	4.500575	4.586466	4.637058	4.80814	4.813478	4.762664	4.796672	4.881185	5.304378	5.287239	5.220033	5.293385	5.545575	5.431488
SAP130	ENSG00000136715	0.132425	5.058504	2.068062	0.053764	0.079403	-5.56929	4.758449	4.909804	4.900514	5.294904	5.180767	5.143594	5.015513	4.987092	5.202407	5.14686	5.128054	5.135408	5.150455	5.07975	5.103047	5.262556	5.152027	5.299535
BIN1	ENSG00000136717	-0.59287	6.115465	-4.47242	0.000315	0.000816	-0.70283	7.022419	6.953285	7.074604	5.860706	6.005424	5.837817	6.44991	6.429119	6.369368	5.865123	5.858184	5.994014	5.92269	5.781385	5.766693	5.818911	5.788131	5.682873
IMP4	ENSG00000136718	-0.10334	7.148718	-1.97485	0.064298	0.09321	-5.99683	7.459595	7.387862	7.394976	7.090235	7.262193	7.131034	7.409679	7.301377	7.396646	6.990788	6.825684	7.009523	7.010584	6.955378	6.969849	7.087327	7.092371	7.092244
HS6ST1	ENSG00000136720	-0.08766	5.367677	-1.30748	0.207989	0.26188	-6.71256	5.962204	6.143066	6.099032	5.833796	6.121055	5.935541	6.302469	6.060626	5.986227	4.717605	4.682721	4.753161	4.690417	4.623418	4.660464	5.036515	4.854006	4.869935
UGGT1	ENSG00000136731	0.125248	7.512628	1.451114	0.16446	0.213097	-6.82618	7.492736	7.482659	7.436382	7.904419	7.705634	7.843349	8.196281	8.125413	8.186717	7.256155	7.306534	7.140282	7.151158	7.150305	7.10739	7.283801	7.308267	7.301428
STAM	ENSG00000136738	-0.36631	4.971078	-6.28719	7.21E-06	2.99E-05	3.3699	5.868521	5.871329	5.743707	5.514147	5.351085	5.272617	5.764215	5.795247	5.732345	4.553726	4.36574	4.494431	4.230502	4.195307	4.284167	4.454386	4.473517	4.45054
ABI1	ENSG00000136754	-0.15056	5.395916	-1.53519	0.142642	0.188202	-6.48545	5.541658	5.617724	5.613091	5.004446	4.982309	5.046319	5.356409	5.431657	5.396113	5.508112	5.525662	5.445288	5.579365	5.692298	5.663227	5.321433	5.480747	5.557523
YME1L1	ENSG00000136758	-0.05123	7.734955	-1.55252	0.138457	0.183514	-6.71494	7.817714	7.807469	7.810519	7.76022	7.716066	7.69496	7.816952	7.946298	7.846209	7.692581	7.656671	7.720747	7.640777	7.685972	7.69226	7.681854	7.65627	7.711696
DNAJC1	ENSG00000136770	-0.10524	4.959193	-1.4219	0.172655	0.222303	-6.48491	5.754732	5.729621	5.653783	5.775282	5.700562	5.730269	5.570773	5.609584	5.629879	4.404248	4.45175	4.48516	4.226655	4.230476	4.12984	4.574001	4.446612	4.115895
NIPSNAP3/	ENSG00000136783	0.711242	4.023129	5.64914	2.60E-05	9.05E-05	2.211468	4.351916	4.401188	4.1812	4.591236	4.641964	4.537503	4.462805	4.459641	4.444269	3.479955	3.406729	3.232997	4.359059	4.476309	4.372859	3.595997	3.503143	3.621636
LRRC8A	ENSG00000136802	0.348812	7.69193	2.812013	0.011769	0.020401	-4.481	6.961579	6.961111	7.043359	6.884177	7.060324	6.988027	6.912793	6.784223	6.817288	7.985035	7.933235	7.99371	8.681475	8.501704	8.519828	8.887402	8.879784	8.808778
CDK9	ENSG00000136807	-0.19665	5.973724	-5.13024	7.67E-05	0.000235	0.700109	5.585841	5.625131	5.605332	5.316663	5.305047	5.35617	5.36994	5.323347	5.355259	6.625566	6.598534	6.6566	6.479022	6.493976	6.483265	6.584245	6.598745	6.62175
TXN	ENSG00000136810	-0.46315	8.170015	-15.3486	1.40E-11	7.95E-10	16.62351	9.366579	9.404579	9.330763	8.892145	8.911949	8.82856	9.090475	9.165959	9.148325	7.47293	7.401708	7.422759	6.971468	7.015663	7.029726	7.239821	7.213693	7.268865
ODF2	ENSG00000136811	0.051749	5.78892	0.746168	0.465484	0.528953	-7.43312	5.722499	5.759098	5.69823	5.90734	5.769991	5.820014	5.42715	5.439365	5.439755	5.913568	5.976214	5.892483	6.054396	5.895341	5.876944	6.065919	5.964444	6.06346
ECPAS	ENSG00000136813	-0.0437	7.593528	-1.4096	0.176204	0.226403	-6.89731	7.866993	7.880471	7.831179	7.813991	7.823139	7.794043	7.783639	7.841115	7.813405	7.399115	7.408893	7.306079	7.327634	7.310309	7.361518	7.44154	7.385852	7.435314
TOR1B	ENSG00000136816	0.521106	5.909465	6.468154	5.06E-06	2.20E-05	3.521531	5.471352	5.337144	5.405371	6.229828	6.212315	6.295356	5.907184	5.899518	5.745052	5.793443	5.89081	5.832828	6.142782	6.081579	6.089462	6.179906	6.166201	6.142619
C9orf78	ENSG00000136819	-0.12065	6.566182	-2.59546	0.018568	0.030624	-4.8199	6.27001	6.24755	6.303073	6.028317	5.885412	6.062107	5.967764	6.114582	6.0206	7.140111	7.054325	7.170959	7.126081	7.11579	7.085248	6.960663	6.961488	6.975055
SMC2	ENSG00000136824	-0.87688	5.134735	-6.37416	6.07E-06	2.57E-05	3.504023	5.588399	5.435922	5.303557	5.190356	5.039662	5.131272	5.59402	5.9217	5.696813	5.473087	5.349076	5.44688	4.072312	4.225504	4.067427	5.278052	5.132464	5.29338
KLF4	ENSG00000136826	-0.32417	6.761385	-4.72695	0.000181	0.0005	-0.21647	7.281408	7.167981	7.32426	7.123947	7.225589	7.085987	7.21974	7.099686	7.219045	6.508349	6.558479	6.702654	6.077005	6.060794	6.053688	6.502735	6.398038	6.355481
TOR1A	ENSG00000136827	-0.10124	6.634736	-1.77344	0.093581	0.130171	-6.28629	6.805475	6.825146	6.748056	6.681091	6.769624	6.660892	6.53044	6.59359	6.586135	6.590429	6.588624	6.623183	6.511002	6.517557	6.464215	6.752172	6.737476	6.709875
RALGPS1	ENSG00000136828	1.366914	2.850108	8.815842	7.60E-08	6.30E-07	8.317613	3.026682	2.76681	2.830836	3.472378	3.656958	3.535905	2.696258	2.871824	3.289427	2.163418	2.42184	2.328504	3.794228	3.903166	3.968435	2.890155	2.634012	2.79582
NIBAN2	ENSG00000136830	0.052694	8.960005	0.740987	0.468541	0.532044	-7.72587	8.533904	8.557554	8.579453	8.268262	8.581991	8.377975	8.263672	8.212337	8.182637	9.374023	9.369901	9.475195	9.648919	9.625213	9.582837	9.600157	9.576145	9.52807
ST6GALNA	ENSG00000136840	0.465183	4.796666	3.240864	0.004672	0.008948	-3.19178	4.712298	4.80064	4.799861	5.667647	5.833285	5.59324	4.666597	4.703199	4.680887	4.573314	4.502533	4.721931	4.684821	4.653345	4.631995	4.743057	4.676269	4.675424
TMOD1	ENSG00000136842	-0.96426	1.630998	-2.73038	0.013991	0.023828	-3.4489	3.210562	3.114308	3.347346	1.74141	1.953662	1.714252	2.779728	2.753138	2.530983	1.732907	1.922393	1.986992	1.818016	2.127698	1.722572	0.63264	1.795362	1.170016
DAB2IP	ENSG00000136848	0.651763	5.241653	9.178179	4.23E-08	3.88E-07	8.469482	3.952119	3.855322	3.955676	4.350907	4.694855	4.460795	3.507292	3.619579	3.453254	6.300766	6.374623	6.296559	7.037183	6.947851	6.943304	6.523316	6.582359	6.542236
STXBP1	ENSG00000136854	0.150688	5.178753	2.150948	0.045739	0.06859	-5.40163	5.585841	5.642269	5.69823	5.944151	5.943937	5.997951	5.597858	5.626565	5.650287	4.766072	4.81224	4.750584	4.886014	4.53375	4.745971	4.654234	4.525868	4.641909
SLC2A8	ENSG00000136856	-0.23009	4.858732	-1.55929	0.13685	0.181621	-6.37151	5.432027	5.393175	5.443586	5.329563	5.431202	5.143594	4.011872	4.341199	4.207726	4.92393	5.014203	5.115519	4.922141	4.529722	4.76576	4.871197	4.773297	4.75819
CDK5RAP2	ENSG00000136861	-0.77358	5.911415	-10.1908	8.93E-09	1.08E-07	10.09757	6.583748	6.594292	6.553447	5.452586	5.596688	5.550692	6.378072	6.381898	6.3632	5.877782	5.95112	5.948645	5.431803	5.384121	5.428895	5.788317	5.731671	5.870258
ZFP37	ENSG00000136866	0.997905	0.087963	6.936048	2.07E-06	1.02E-05	5.06771	0.318509	0.316291	0.106501	0.258133	0.25478	0.2349	0.269385	0.253663	0.256032	2.444376	2.485369	2.660429	3.442811	3.38415	3.556108	3.113899	3.404065	3.050576
SLC31A2	ENSG00000136867	0.225641	2.897921	1.33236	0.199854	0.252844	-6.20497	3.27548	3.222448	3.119366	2.887595	2.490996	2.845893	3.19904	2.801791	2.981126	2.918737	2.946841	3.164958	3.507651	3.629721	3.707028	3.181381	3.046116	2.687355
SLC31A1	ENSG00000136868	-0.00167	6.918972	-0.03147	0.975253	0.979448	-7.81739	7.114013	7.096948	7.090439	7.301391	7.262193	7.277069	7.560877	7.558351	7.560164	6.520509	6.580465	6.536089	6.387234	6.359742	6.338815	6.776536	6.728196	6.723671
TLR4	ENSG00000136869	-0.17189	1.10301	-1.75218	0.097268	0.134556	-5.53112	0.667115	0.875715	0.829201	0.635873	0.730585	0.461789	0.415731	0.915275	0.515351	3.331423	3.381904	3.380287	3.236398	3.183414	3.326666	3.143207	2.99751	3.176297
ZNF189	ENSG00000136870	0.723778	4.376759	9.352804	3.21E-08	3.06E-07	8.980829	4.131163	4.108838	4.042515	4.797189	4.56592	4.604407	4.606901	4.677356	4.801363	4.009149	4.061483	3.995227	4.782385	4.743056	4.857757	4.293774	4.419196	4.577525
STX17	ENSG00000136874	0.534741	4.523371	11.33459	1.76E-09	2.90E-08	11.91853	4.044416	4.006672	4.117166	4.605448	4.701332	4.72411	4.512454	4.533523	4.542164	4.541844	4.51019	4.402219	4.92689	4.89169	4.950015	4.874113	4.833383	4.869935
PRPF4	ENSG00000136875	-0.4447	7.167927	-8.94463	6.16E-08	5.27E-07	7.947497	6.815333	6.718377	6.59844	6.48365	6.313024	6.460417	6.851417	6.971313	6.851475	7.886694	7.827274	7.909876	7.333458	7.342239	7.30347	7.894992	7.818961	7.841795
FPGS	ENSG00000136877	0.289165	5.564502	5.728505	2.21E-05	7.86E-05	2.031309	5.049495	5.003727	5.101429	5.375899	5.488499	5.458352	5.115291	5.122533	5.169792	5.826467	5.843106	5.846165	6.113917	6.02833	6.034784	6.104924	6.111581	5.950669
USP20	ENSG00000136878	0.366364	4.736266	7.795415	4.31E-07	2.67E-06	6.178853	4.12413	4.014214	4.201929	4.392481	4.668652	4.512384	3.988671	4.070428	3.935772	5.272006	5.299125	5.281796	5.626839	5.568187	5.645534	5.26478	5.292118	5.174518
ATP6V1G1	ENSG00000136888	-0.1689	7.31397	-3.64446	0.00193	0.00408	-2.65887	7.713798	7.617517	7.622791	7.578538	7.632109	7.642383	7.495511	7.414223	7.471193	7.36805	7.243623	7.28442	6.970893	7.005547	7.028361	6.864953	6.954342	6.915194
TEX10	ENSG00000136891	-0.14809	5.651351	-3.17951	0.005339	0.010082	-3.49939	5.253402	5.477439	5.228093	5.294904	5.109506	5.316813	5.374422	5.423907	5.330179	6.140615	6.109458	6.056895	5.902337	5.896905	5.947952	6.084924	6.1187	6.204601
GARNL3	ENSG00000136895	0.615939	1.231286	3.321558	0.003918	0.007643	-2.2935	1.719036	1.708084	1.585853	1.688986	1.718467	2.258349	1.160105	1.231675	1.0941	2.01088	2.053933	1.49011	2.42639	2.657091	2.141451	1.65509	1.442809	2.06284
MRPL50	ENSG00000136897	-0.45103	6.068067	-9.36006	3.17E-08	3.03E-07	8.737615	6.332364	6.452981	6.234306	5.806374	5.797458	5.799394	5.827697	5.970398	5.845819	6.372958	6.368317	6.387272	6.023688	6.005308	5.990621	6.07988	6.102991	6.228989
DPM2	ENSG00000136908	0.051351	6.559371	1.168298	0.258376	0.317876	-7.12632	6.34754	6.288557	6.291837	6.382055	6.393224	6.326315	6.23506	6.020078	6.22717	6.892852	6.763778	6.916032	6.957029	6.849483	6.910346	6.837573	6.888393	6.830599
TSTD2	ENSG00000136925	-0.05145	5.253651	-0.63997	0.530494	0.592103	-7.42276	5.269428	5.191734	5.1197	4.927344	4.842803	4.894191	5.188389	5.259465	5.211591	5.473087	5.514285	5.549768	5.545796	5.666849	5.656176	5.351042	5.339201	5.268497
GABBR2	ENSG00000136928	2.00768	1.955957	5.284653	5.54E-05	0.000177	1.902026	1.069823	1.118985	1.256574	2.766336	2.881616	2.961768	3.617275	3.749274	3.373665	1.840286	1.827525	1.439812	2.986372	2.784257	2.942182	1.809319	2.429363	1.81044
PSMB7	ENSG00000136930	-0.47937	7.684477	-8.80915	7.68E-08	6.35E-07	7.695354	8.282342	8.268462	8.186177	7.596438	7.581218	7.577257	7.913281	7.940878	7.9174	7.669106	7.615559	7.691489	7.382255	7.303837	7.378755	7.428704	7.347581	7.37321
TRMO	ENSG00000136932	-0.03343	4.532045	-0.35987	0.723258	0.768243	-7.37329	4.933595	5.007511	4.813395	4.753186	4.795153	4.903882	5.043928	5.023446	5.067277	4.359822	4.353024	4.389024	4.390344	4.326476	4.440084	4.306784	3.948889	3.897964
RABEPK	ENSG00000136933	0.000409	5.539648	0.007743	0.99391	0.994678	-7.66	5.970071	5.948154	5.785507	5.85774	5.865364	5.719334	5.59402	5.535999	5.683673	5.419984	5.325402	5.334367	5.477839	5.417203	5.424752	5.332078	5.274377	5.326909
GOLGA1	ENSG00000136935	-0.02406	5.809543	-0.45221	0.656679	0.70712	-7.59396	6.253992	6.206989	6.151479	6.05186	6.002805	6.106845	6.011586	5.999368	6.007476	5.714491	5.634754	5.607869	5.709096	5.78983	5.72012	5.323569	5.372937	5.391714
XPA	ENSG00000136936	-0.23472	4.141358	-2.40176	0.027682	0.043784	-4.73728	4.439509	4.594711	4.631806	4.031135	4.051057	3.926609	4.348988	4.482206	4.640652	4.13575	4.186209	4.04234	4.191564	4.116929	4.104162	4.057652	4.07722	3.984547
NCBP1	ENSG00000136937	-0.04838	6.731126	-0.96442	0.34799	0.412279	-7.35182	6.574748	6.43483	6.495858	6.626386	6.578791	6.645089	6.514283	6.497174	6.57728	7.034547	6.972165	6.969641	6.80796	6.863153	6.785854	7.005241	6.968597	7.062697
ANP32B	ENSG00000136938	-0.48417	8.205306	-11.6369	1.17E-09	2.12E-08	12.01326	8.444982	8.537739	8.454381	7.966298	7.916562	7.941887	8.364562	8.472528	8.405099	8.233322	8.165517	8.30512	7.760015	7.861283	7.796944	8.391995	8.408471	8.361181
PDCL	ENSG00000136940	0.251562	4.809101	2.422325	0.026544	0.042229	-4.84306	4.559062	4.83937	4.686762	5.396478	5.248674	5.268872	5.093706	5.348128	5.202407	4.735102	4.679329	4.671058	4.561973	4.660731	4.635585	4.67445	4.617172	4.646745
RPL35	ENSG00000136942	-0.01781	9.059761	-0.52775	0.604312	0.660822	-7.85205	9.060701	9.037969	9.020955	9.059893	9.14778	9.012244	9.04551	9.015191	9.057329	9.13809	9.052596	9.04543	8.966486	9.052975	9.02797	9.116476	9.118316	9.150108
CTSV	ENSG00000136943	-1.47296	3.514091	-9.9775	1.23E-08	1.41E-07	10.07453	4.131163	4.12982	3.863273	2.840308	2.904251	2.961768	3.632324	3.749274	3.513908	4.728129	4.799799	4.786248	3.236398	3.203781	3.361763	3.333216	3.37582	3.149291
LMX1B	ENSG00000136944	1.417466	2.077525	7.174058	1.32E-06	6.98E-06	5.586803	2.245129	1.780637	2.138168	3.633621	3.6964	3.584921	3.733489	3.462004	3.60036	1.423238	1.616737	1.126631	1.916818	1.897007	1.695314	2.26534	2.295039	2.14716
ARPC5L	ENSG00000136950	-0.16684	6.867659	-3.04015	0.007219	0.013223	-3.92313	6.708891	6.689226	6.723177	6.720799	6.795585	6.665172	6.773805	6.844973	6.871895	7.064615	7.047764	7.15058	6.729261	6.801845	6.801916	7.24996	7.097425	7.111611
DSCC1	ENSG00000136982	-2.49614	3.96496	-12.3104	4.83E-10	1.05E-08	13.29965	3.84498	3.657602	3.500214	2.714828	2.991399	2.805104	3.296733	3.633086	3.181386	5.896563	5.850665	5.98965	2.986372	3.263212	3.234995	5.586184	5.562382	5.57792
DERL1	ENSG00000136986	0.168217	7.60967	2.687972	0.015299	0.025787	-4.70111	7.414188	7.416605	7.372295	7.722411	7.658146	7.666778	8.004302	7.967778	8.026161	7.462464	7.469059	7.496893	7.558241	7.553873	7.498902	7.625856	7.542819	7.655824
MYC	ENSG00000136997	-1.25828	7.326065	-16.1859	5.84E-12	4.22E-10	17.56523	8.549737	8.486129	8.55851	7.038798	7.346222	7.026239	8.322847	8.220189	8.27862	7.180264	7.09626	7.314391	6.192931	6.092543	6.0375	6.814227	6.822775	6.687757
CCN3	ENSG00000136999	-0.09169	2.242163	-1.01598	0.323497	0.3868	-6.88582	0.41387	1.173893	0.756332	0.841981	1.006428	1.188496	0.782422	1.001115	0.629397	4.966032	5.064472	4.976888	4.876225	4.853528	4.869998	4.917167	4.860815	4.988957
DMAC1	ENSG00000137038	-0.48339	5.44966	-6.46989	5.04E-06	2.20E-05	3.595554	6.06494	6.095863	6.069258	5.199754	5.484749	5.377194	5.396627	5.396449	5.526952	5.536332	5.504735	5.574748	5.338642	5.345687	5.138897	5.267	5.227729	5.167806
RANBP6	ENSG00000137040	-0.40918	5.35581	-4.27384	0.000485	0.001194	-1.07269	4.785446	4.751848	4.758481	4.988267	4.905853	4.814227	4.968851	5.043815	5.165072	6.128749	6.15168	6.162441	5.445106	5.503938	5.471694	6.007353	5.9786	6.06346
POLR1E	ENSG00000137054	-0.81341	5.5543	-13.3656	1.31E-10	3.98E-09	14.45318	5.474121	5.51514	5.581801	4.714371	4.776871	4.627987	4.96291	4.955186	4.855099	6.468108	6.424097	6.450559	5.704954	5.71376	5.609485	6.311593	6.209523	6.24183
PLAA	ENSG00000137055	-0.29564	5.902804	-6.46019	5.14E-06	2.23E-05	3.529893	6.362559	6.27135	6.323711	5.96359	5.839171	5.916519	6.276361	6.314337	6.354934	5.75279	5.732906	5.720126	5.542705	5.530385	5.589266	5.761793	5.735381	5.717759
IL11RA	ENSG00000137070	0.589871	1.541707	3.317429	0.003953	0.007706	-2.23749	1.894617	1.780637	2.166567	2.740812	2.333126	2.697781	2.01302	2.451551	2.408535	1.814181	1.777644	1.333627	2.112949	1.793303	1.610309	1.734264	1.581179	1.739782
UBAP2	ENSG00000137073	0.041589	6.3758	0.836233	0.414311	0.479447	-7.43645	6.081373	6.130976	6.207222	6.154502	6.074412	6.252385	6.269158	6.097632	6.181159	6.715578	6.646221	6.665519	6.697651	6.713165	6.767977	6.437198	6.512728	6.485333
APTX	ENSG00000137074	-0.11283	5.251482	-1.67908	0.110925	0.151027	-6.22406	5.763811	5.736477	5.7295	5.569568	5.321958	5.522662	5.310366	5.550308	5.37991	5.09088	4.959326	5.028853	5.066862	4.985845	5.136365	5.002269	5.066252	5.01537
RNF38	ENSG00000137075	0.525518	4.505985	6.673543	3.40E-06	1.56E-05	4.128711	3.878801	4.108838	4.011539	4.464421	4.204846	4.420855	4.462805	4.444399	4.372382	4.61171	4.758608	4.626781	5.293386	5.223832	5.181264	4.720549	4.801884	4.7174
TLN1	ENSG00000137076	-0.22195	8.00667	-5.24501	6.02E-05	0.00019	0.781091	8.175841	8.141632	8.249359	7.848009	7.971854	7.920564	7.785323	7.680463	7.686582	8.271296	8.287487	8.149756	8.130838	8.003852	8.049224	7.982388	7.939649	7.950898
DNAJB5	ENSG00000137094	0.543193	1.420216	2.492989	0.022962	0.037075	-4.16542	1.12723	1.226787	1.028027	2.063099	1.864131	1.757653	1.074544	0.253663	1.0941	2.777267	2.714733	2.522234	3.083152	2.985883	2.906973	2.77004	2.535313	2.778299
DCTN3	ENSG00000137100	0.729462	4.838516	10.54522	5.32E-09	7.18E-08	10.74322	4.12413	3.96057	4.370098	5.092847	4.992907	5.024275	4.8959	4.949799	4.951444	4.696324	4.735932	4.806238	5.368624	5.370673	5.269387	5.122419	5.174064	5.147478
TMEM8B	ENSG00000137103	-0.01453	3.122707	-0.08023	0.936969	0.948415	-7.03846	4.2778	4.115866	4.201929	3.661095	3.867423	3.807755	3.705302	3.956862	4.08316	2.605258	2.453955	2.756026	3.221013	3.020741	3.116699	2.400938	2.190809	2.119598
GRHPR	ENSG00000137106	-0.14148	6.429833	-1.85477	0.080578	0.113743	-6.11201	7.232379	7.168826	7.289981	6.844286	6.917424	6.769567	6.810654	6.818617	6.796075	5.988432	5.849156	6.014564	6.147876	6.046769	6.021128	5.818911	5.866346	5.668679
ALDH1B1	ENSG00000137124	0.10265	6.295653	0.856737	0.403184	0.468359	-7.41756	6.186389	6.260292	6.162096	5.569568	5.830334	5.754573	5.916435	5.79224	5.79784	6.561298	6.433187	6.581744	6.982345	7.047001	7.029726	6.679846	6.575131	6.517369
HINT2	ENSG00000137133	-0.33133	4.596266	-4.3741	0.00039	0.000983	-0.71921	4.461995	4.435299	4.44736	4.43289	4.276	4.330328	4.358069	4.119235	4.189248	5.12579	5.024933	5.201052	4.715338	4.627193	4.752597	5.182472	5.138081	5.033946
ARHGEF39	ENSG00000137135	-1.2428	2.699756	-6.49026	4.84E-06	2.12E-05	4.178454	2.744313	2.730641	2.848472	2.605941	2.460774	2.629332	3.072345	3.196885	2.937508	3.688323	3.524821	3.647349	2.112949	2.250257	1.900186	3.350072	3.537548	3.498643
IGFBPL1	ENSG00000137142	-1.80921	1.822059	-9.94641	1.29E-08	1.47E-07	10.04786	3.262728	3.182839	3.217639	2.103714	2.078331	1.714252	2.933443	3.043491	2.471058	2.37464	2.453955	2.396013	1.054048	1.120667	0.910419	2.494877	2.054898	1.775544
DENND4C	ENSG00000137145	0.413369	4.858308	6.458005	5.16E-06	2.24E-05	3.672335	5.015692	4.965333	4.938064	5.392386	5.375591	5.605169	4.83866	4.911516	5.021009	4.517783	4.765022	4.47583	4.914988	4.879081	4.920894	4.630284	4.676269	4.536426
RPS6	ENSG00000137154	-0.14239	9.849055	-5.23895	6.10E-05	0.000192	0.670786	10.26547	10.25178	10.2142	10.08989	10.08937	10.05802	10.18371	10.1881	10.23488	9.622823	9.545268	9.565562	9.399805	9.493757	9.481769	9.508112	9.532833	9.587594
CNPY3	ENSG00000137161	0.075613	5.866267	1.356454	0.192219	0.244313	-6.81723	5.922218	5.926333	5.750758	5.860706	5.745129	5.970546	5.586312	5.376512	5.591697	6.126099	6.041075	6.077603	6.279957	6.234178	6.123092	5.958727	5.784554	5.699258
FOXP4	ENSG00000137166	0.04513	6.732559	0.471142	0.643367	0.695256	-7.72315	6.662315	6.640104	6.777125	6.692786	6.88365	6.668018	6.237523	5.940834	6.143263	6.962842	6.855293	7.030918	7.069756	6.994629	6.921416	7.008562	7.047564	6.907156
PPIL1	ENSG00000137168	0.302451	6.018368	5.226972	6.25E-05	0.000196	0.923639	5.184082	5.318988	5.183625	5.626427	5.644527	5.762585	6.005819	5.957035	6.106808	6.292517	6.238361	6.183609	6.452917	6.41974	6.429485	6.679846	6.62698	6.652128
KLC4	ENSG00000137171	0.282764	4.11312	3.792031	0.001395	0.003037	-1.88102	4.25866	4.080378	4.314076	4.325376	4.177232	4.264152	4.011872	4.040332	4.141991	4.109157	4.152359	4.128223	4.493192	4.545767	4.606616	3.854102	3.980496	4.073428
KIF13A	ENSG00000137177	0.279011	5.44611	5.929212	1.47E-05	5.55E-05	2.471931	5.434871	5.352102	5.30675	5.605366	5.454395	5.528939	5.136557	5.285358	5.087374	5.546278	5.525662	5.470561	5.871875	5.860486	5.854018	5.528118	5.370553	5.425873
ZSCAN9	ENSG00000137185	0.289973	3.834033	2.825435	0.011438	0.019895	-3.91213	3.738482	3.505362	3.39613	3.456785	3.34578	3.405543	3.733489	3.659726	3.668646	4.232554	4.132653	4.235316	4.687622	4.686287	4.580783	4.117945	4.247965	4.080593
PIM1	ENSG00000137193	-1.04542	4.67889	-11.3446	1.73E-09	2.87E-08	11.85314	4.48962	4.429669	4.600923	3.237064	3.34578	3.349911	3.219115	3.431409	3.289427	6.18458	6.186741	6.402946	5.318904	5.397445	5.241392	5.884016	5.818179	5.78729
GMPR	ENSG00000137198	0.347223	0.910634	1.440823	0.16731	0.216341	-5.72343	1.602421	1.465573	1.499186	1.326771	1.437317	1.188496	0.670238	0.622068	0.515351	1.891119	1.672391	1.877881	2.112949	2.363215	2.365487	2.432936	1.90484	2.226823
CMTR1	ENSG00000137200	-0.21292	5.739576	-4.05527	0.000783	0.001824	-1.60391	5.85584	5.946183	5.856953	5.506594	5.469652	5.553773	5.405414	5.535999	5.646906	6.027299	5.973448	5.991834	5.935709	5.874847	5.908441	5.680829	5.835567	5.809023
TFAP2A	ENSG00000137203	0.256167	5.581444	4.602217	0.000237	0.000635	-0.23405	6.910376	6.834762	6.898496	7.091498	7.113501	7.176717	6.906617	6.865145	6.975272	4.026306	4.292151	4.238998	4.546627	4.394504	4.381435	4.271827	4.318914	4.051715
YIPF3	ENSG00000137207	0.594264	6.989718	12.12693	6.11E-10	1.28E-08	12.74438	6.602846	6.561206	6.523568	7.329489	7.312772	7.322939	6.794021	6.590132	6.711201	7.015342	7.01383	6.964647	7.473133	7.412282	7.454376	6.96272	7.020453	6.965411
TMEM14B	ENSG00000137210	-0.3038	5.745693	-3.33691	0.003789	0.007417	-3.16124	6.012583	5.969649	6.025351	5.444703	5.239802	5.298562	5.767627	5.774066	5.751363	5.951485	5.903948	5.8255	5.817926	5.970071	5.822871	5.865084	5.676776	5.806864
TMEM63B	ENSG00000137216	0.228691	5.833425	3.972522	0.000938	0.002143	-1.78211	6.00877	5.959918	6.059826	6.004384	6.054313	6.083584	5.900984	5.856983	5.9889	5.571821	5.573951	5.599302	6.045689	5.940035	5.902495	5.726727	5.64557	5.549799
FRS3	ENSG00000137218	-0.36851	1.602796	-2.16445	0.044541	0.066976	-4.64218	2.345296	2.179863	2.018628	1.256461	1.556428	1.310092	1.459147	1.809233	1.674905	2.30136	2.405511	2.638296	2.579013	2.381211	2.382676	2.115663	2.006592	2.442395
TJAP1	ENSG00000137221	-0.61377	5.49455	-7.24629	1.16E-06	6.23E-06	5.101759	5.98955	5.889898	6.021469	4.898777	5.104628	5.015363	5.59402	5.447033	5.534291	5.783387	5.708155	5.720126	5.441792	5.303845	5.443303	5.500074	5.545575	5.562649
KIAA0319	ENSG00000137261	0.197667	3.113988	1.428788	0.170694	0.220057	-5.90478	4.600191	4.687262	4.458888	4.440838	4.825118	4.751204	4.864381	4.709588	4.770621	2.056133	1.827525	1.800268	2.42639	2.06228	2.294605	1.970607	1.766644	2.14716
SLC22A23	ENSG00000137266	0.18484	0.157388	0.676151	0.507794	0.569713	-6.07909	5.230664	5.03743	5.018167	5.195063	5.248674	5.283793	5.131269	4.938965	5.021009	0.106501	0.106501	0.106501	0.106501	0.106501	0.263213	0.106501	0.106501	0.106501
TUBB2A	ENSG00000137267	-0.37814	3.769905	-1.23141	0.234483	0.291274	-6.45648	5.616234	5.438728	5.423134	4.299384	4.701332	4.071231	3.879385	3.935218	3.924645	2.843296	2.877496	2.855308	3.783794	3.568213	3.387537	3.324713	3.046116	3.121769
LRRC1	ENSG00000137269	0.139691	4.000883	2.353564	0.030529	0.047762	-4.95882	3.313074	3.057038	3.176339	3.456785	3.260629	3.608819	3.137083	2.777669	3.124172	5.009819	5.032928	5.022459	5.036421	5.117812	5.205617	4.925625	4.867593	4.857474
FOXF2	ENSG00000137273	-0.40115	-0.59374	-1.94921	0.067505	0.097334	-4.5266	4.226185	4.330447	4.301326	4.082842	3.855857	3.711713	3.705302	3.592179	3.628063	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
BPHL	ENSG00000137274	0.361048	4.12062	3.154828	0.005633	0.010584	-3.26993	4.036946	4.366251	3.93931	4.072648	4.061165	4.130213	4.057185	3.90213	4.243986	4.192583	4.162112	4.303708	4.774502	4.660731	4.909079	3.97856	4.017531	3.889829
RIPK1	ENSG00000137275	0.128262	5.722033	2.925269	0.009242	0.016451	-4.04254	5.45743	5.469231	5.378308	5.540275	5.465853	5.431804	5.570773	5.302366	5.541593	5.966378	5.89081	5.960958	6.153965	6.081579	6.120533	6.067194	6.024808	6.086777
TUBB2B	ENSG00000137285	0.545119	1.672521	1.733386	0.100632	0.138657	-5.37938	2.438959	2.206444	2.351095	1.634586	1.953662	1.575618	1.074544	1.491012	1.314712	1.964162	1.672391	1.759838	2.83289	2.700737	2.559363	2.819293	3.046116	2.687355
UQCC2	ENSG00000137288	-0.49023	6.137147	-9.65411	2.01E-08	2.09E-07	9.196471	5.736401	5.776943	5.803703	5.464331	5.431202	5.503669	5.704947	5.730749	5.860491	6.935101	6.784447	6.925202	6.252789	6.320645	6.307655	6.767153	6.704733	6.862127
HMGA1	ENSG00000137309	-1.47804	9.098756	-18.3695	7.19E-13	8.83E-11	19.61791	9.209739	9.165161	9.203561	7.542982	7.66479	7.479383	8.689936	8.490262	8.585927	10.27322	10.11459	10.23742	8.873603	8.833844	8.86667	10.18192	10.1957	10.22892
TCF19	ENSG00000137310	-2.15598	3.915234	-8.49123	1.30E-07	9.77E-07	7.6428	3.810347	3.863696	3.819232	3.441022	3.207016	3.485165	3.602068	3.856799	3.681923	5.419984	5.336211	5.507659	2.802201	2.743101	2.756856	5.09768	5.115482	5.019105
FLOT1	ENSG00000137312	-0.11447	7.354014	-1.53157	0.143529	0.189303	-6.72038	7.140394	7.166289	7.226485	7.316588	7.421707	7.351548	7.411861	7.260623	7.341236	7.651706	7.604872	7.625516	7.292184	7.228802	7.24475	7.368966	7.473983	7.409228
IER3	ENSG00000137331	-0.67833	7.549071	-9.10928	4.72E-08	4.25E-07	8.25771	8.772428	8.692657	8.734513	7.895049	7.96783	7.937766	9.167395	9.07332	9.15875	6.467061	6.585004	6.804305	6.129452	6.08981	6.102489	6.911119	6.811396	6.772053
MDC1	ENSG00000137337	-1.04481	5.425535	-10.2298	8.43E-09	1.03E-07	10.2128	5.626225	5.630049	5.703085	5.020445	5.008661	5.191857	5.519082	5.550308	5.602211	6.060989	5.948304	5.944141	4.737134	4.600559	4.642737	5.857736	5.812922	5.855713
PGBD1	ENSG00000137338	0.536342	2.64888	5.648998	2.60E-05	9.05E-05	2.450427	2.369288	2.470453	2.326135	3.181227	2.881616	3.18484	2.908934	2.848856	2.501332	2.790717	2.889287	2.87437	3.100071	3.223865	3.21594	2.935534	3.034117	2.990979
ATAT1	ENSG00000137343	0.01668	3.727219	0.203811	0.840855	0.868238	-7.35785	3.783815	3.686213	3.863273	3.308302	3.602632	3.523386	3.440463	2.981485	3.044176	4.30464	4.390842	4.289577	4.577158	4.358622	4.496442	3.775173	3.815048	3.906054
TPMT	ENSG00000137364	0.443017	4.416881	4.908229	0.000123	0.000355	0.475325	3.983545	3.944869	3.88052	4.218476	4.240862	3.858473	4.254886	4.365678	4.296723	4.64911	4.623947	4.69001	5.214008	5.211312	5.181264	4.77149	4.668528	4.731125
RNF144B	ENSG00000137393	0.175861	3.910636	0.786478	0.442121	0.506281	-7.15891	3.999005	4.036608	3.96379	2.605941	2.762786	2.196611	3.072345	3.063581	2.915195	4.634266	4.987026	4.745417	5.366878	5.434541	5.546053	4.422866	4.455636	4.4056
NRM	ENSG00000137404	-0.24322	3.376155	-1.75974	0.095942	0.132941	-5.68321	3.476616	3.450822	3.597291	3.54791	3.722109	3.689474	3.178682	3.415864	3.340558	3.695491	3.517242	3.590847	3.181815	3.054776	3.244428	3.917673	3.786722	3.865145
MTCH1	ENSG00000137409	0.367289	7.329149	8.808452	7.69E-08	6.35E-07	7.707667	6.927647	6.959159	6.989732	7.402524	7.482199	7.382203	7.271123	7.205184	7.263882	7.388097	7.280467	7.387947	7.682798	7.617407	7.598818	7.4292	7.428873	7.395647
VARS2	ENSG00000137411	-0.34569	5.084369	-6.17474	9.00E-06	3.62E-05	3.058135	5.747885	5.605293	5.643717	5.367584	5.34696	5.411567	5.021241	5.028565	5.015776	5.141621	5.169742	5.199163	4.91976	4.736081	4.725907	4.664377	4.780497	4.793504
TAF8	ENSG00000137413	-0.15729	4.346627	-2.12094	0.048509	0.07237	-5.35076	4.081197	4.275018	4.222364	3.875646	4.081169	4.000731	4.321396	4.166444	4.549426	4.829349	4.752166	4.72456	4.610014	4.704269	4.602954	4.581158	4.517274	4.656368
FAM8A1	ENSG00000137414	2.032339	4.105893	12.0646	6.63E-10	1.36E-08	13.01259	2.392887	2.935191	2.916938	5.087795	4.944587	5.019826	5.262806	5.122533	5.141238	3.165825	3.204502	3.195594	4.742532	4.79096	4.708971	4.32821	4.512957	4.353311
C6orf52	ENSG00000137434	-0.88295	-0.28833	-3.34644	0.00371	0.007275	-2.18277	0.667115	0.582935	0.679585	0.106501	0.106501	0.3528	0.269385	0.387194	0.106501	2.224158	2.405511	2.497858	1.973006	2.127698	1.749324	2.115663	2.233409	2.174206
FGFBP1	ENSG00000137440	-1.04706	1.861352	-3.23277	0.004755	0.009092	-2.84116	2.369288	2.179863	1.888281	0.258133	0.106501	0.563119	0.548589	0.915275	0.39151	4.341661	4.256177	4.34187	3.513977	3.731427	3.608189	5.392313	5.329416	5.308717
CPEB2	ENSG00000137449	-0.4163	5.673103	-5.09244	8.31E-05	0.000251	0.743507	6.669579	6.777189	6.817981	6.209037	6.133083	6.382847	6.512251	6.397811	6.456933	5.165048	5.24967	5.251133	4.861416	4.9104	5.058283	4.723786	4.609106	4.541628
FHDC1	ENSG00000137460	0.471606	5.44778	4.265127	0.000494	0.001214	-1.05666	5.520388	5.334134	5.46661	6.117792	6.154483	6.087841	6.065248	5.973056	5.994232	5.057888	5.251956	5.072837	5.356354	5.31559	5.397528	4.950708	4.826442	4.75819
TLR2	ENSG00000137462	-0.0632	-0.60931	-0.24672	0.808003	0.840703	-6.58216	0.216396	0.215206	0.219246	0.258133	0.25478	0.106501	0.415731	0.106501	0.515351	2.056133	2.053933	2.198406	2.145912	2.21055	1.876113	1.970607	1.581179	2.091498
MYO7A	ENSG00000137474	0.823026	1.025655	6.287961	7.19E-06	2.99E-05	3.82774	0.41387	0.410755	0.679585	1.022291	1.006428	1.367251	0.548589	0.726566	0.833554	2.574485	2.575707	2.638296	3.165832	3.282491	3.106389	3.094024	2.99751	2.863849
FCHSD2	ENSG00000137478	0.16852	4.164299	1.480749	0.156475	0.204241	-6.28023	4.179456	4.190995	4.087767	4.707799	4.694855	4.662649	4.293266	4.413424	4.170531	3.882973	4.186209	4.182763	3.997531	3.993677	3.922159	4.298124	4.189664	4.382594
ARRB1	ENSG00000137486	-0.29883	3.428529	-1.90236	0.073734	0.105219	-5.73792	1.894617	2.039077	2.248556	3.181227	3.151334	3.216292	1.917967	1.988058	1.727075	5.364851	5.296913	5.330922	4.816056	4.79096	4.698713	4.555953	4.572242	4.567359
THAP12	ENSG00000137492	-0.36351	6.433516	-9.5385	2.40E-08	2.42E-07	8.97978	6.231262	6.277631	6.20893	5.927278	5.842105	5.832753	5.894757	6.090306	5.880784	7.069451	7.003695	7.076384	6.683689	6.691694	6.73322	6.899	6.880038	6.90413
ANKRD42	ENSG00000137494	0.139653	4.579578	2.082696	0.05226	0.077447	-5.48572	4.393455	4.538284	4.370098	4.3081	4.408574	4.393601	4.544628	4.273815	4.112876	4.971948	4.824575	4.876465	5.190502	5.107039	5.082154	4.717304	4.683969	4.75819
IL18BP	ENSG00000137496	-0.14362	2.110121	-0.98075	0.3401	0.404175	-6.46751	1.959273	2.068355	2.326135	2.48816	2.03796	2.5075	1.648695	1.658879	1.918715	3.047564	3.175905	2.714318	2.770846	2.48471	2.782986	2.639009	2.908298	2.724423
NUMA1	ENSG00000137497	0.30563	7.46099	7.612057	5.97E-07	3.53E-06	5.558092	6.809865	6.692755	6.793151	6.970438	7.076608	6.891478	6.768706	6.80227	6.746384	8.021855	8.001031	7.9651	8.396763	8.341184	8.350523	7.93883	7.953253	7.94453

CCDC90B	ENSG00000137500	-0.09553	5.74526	-0.68691	0.501153	0.563327	-7.46395	6.188076	6.257117	6.147923	5.525403	5.4273	5.503669	5.55111	5.78015	5.619566	5.684183	5.624209	5.720126	6.082337	6.063583	6.053688	5.623057	5.398901	5.668679
SYTL2	ENSG00000137501	-0.15096	6.031206	-0.53375	0.600237	0.657225	-7.63106	6.746015	6.743552	6.694209	5.12773	5.185395	5.135391	5.374422	5.396449	5.278673	6.291335	6.351367	6.230596	7.061142	7.130493	7.170609	5.747551	5.672912	5.680517
RAB30	ENSG00000137502	0.317915	3.837326	3.158116	0.005593	0.010517	-3.16506	3.86199	3.829904	3.93931	3.999198	3.630051	4.027574	4.079318	4.090149	3.957772	3.812196	3.786782	3.804677	4.294375	4.269646	4.265755	3.806044	3.713375	3.734962
CREBZF	ENSG00000137504	0.24762	5.687495	3.925174	0.001041	0.002343	-1.88715	5.071598	5.127117	5.152017	5.587578	5.411586	5.625812	5.422829	5.477302	5.605699	5.961926	6.118253	5.909908	6.078073	6.123609	6.155956	5.981894	6.076911	6.019396
PRCP	ENSG00000137509	0.487638	6.16734	9.931201	1.32E-08	1.50E-07	9.645687	6.25238	6.158464	6.169131	6.605325	6.510356	6.479985	6.281144	6.303819	6.236199	5.814994	5.81247	5.815673	6.425492	6.409912	6.424306	5.885462	5.879817	5.925024
NARS2	ENSG00000137513	-0.54485	4.817601	-7.60445	6.05E-07	3.56E-06	5.868278	5.142921	5.10962	5.141325	4.342447	4.213935	4.351728	4.812472	4.771967	4.751857	5.200749	5.125563	5.290692	4.841432	4.901075	4.860827	4.980783	4.946531	4.886383
RNF121	ENSG00000137522	0.178637	5.716608	3.913984	0.001067	0.002394	-1.90483	5.37392	5.525733	5.347631	5.615935	5.763816	5.625812	5.65424	5.643348	5.690258	5.814994	5.895203	5.750105	6.017022	5.874847	5.917315	5.958727	5.934095	6.006286
MRPL15	ENSG00000137547	-0.3089	6.60672	-8.22711	2.03E-07	1.42E-06	6.758658	6.682802	6.722987	6.610118	6.329513	6.223609	6.306359	6.473082	6.486052	6.429644	6.881898	6.826451	6.947311	6.628635	6.670813	6.631735	6.805851	6.799927	6.740733
PI15	ENSG00000137558	0.574132	-0.96295	4.247936	0.000513	0.001256	-0.35588	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.47802	2.42184	2.272125	2.968056	2.714997	2.930541	2.26534	2.429363	2.975687
TTPA	ENSG00000137561	-1.28487	-0.23877	-3.34611	0.003713	0.007279	-1.87337	2.080492	2.09705	1.987129	1.634586	1.666451	0.830331	1.317361	1.809233	1.620777	0.669294	0.748206	0.449284	0.294634	0.345231	0.186984	1.099384	0.637375	0.409347
GGH	ENSG00000137563	-0.4198	5.093388	-1.38584	0.183224	0.234327	-6.42361	6.377422	6.346469	6.357977	6.725687	6.56997	6.566424	6.693573	6.770538	6.749541	4.476768	4.467566	4.560653	2.579013	2.451029	2.756856	4.175819	4.167865	4.311289
SLCO5A1	ENSG00000137571	3.0711	1.100183	7.988384	3.07E-07	2.02E-06	6.955911	1.010037	1.002471	1.028027	4.062381	3.89028	4.202668	3.137083	3.3682	3.543305	0.609835	0.748206	0.726056	1.446877	1.120667	1.129895	1.099384	0.871168	0.999041
SULF1	ENSG00000137573	1.899383	0.419304	11.01145	2.74E-09	4.16E-08	11.61282	0.503316	0.499412	0.323815	0.934951	0.92021	1.055701	0.269385	0.387194	0.106501	1.891119	2.212518	1.933468	3.629193	3.599295	3.773698	2.013561	2.410923	2.350536
TGS1	ENSG00000137574	-0.06765	5.961956	-1.13579	0.27138	0.331527	-7.09388	5.506933	5.531	5.449376	5.092847	5.138434	5.211499	5.668911	5.689327	5.530627	6.374075	6.475845	6.382287	6.513372	6.481518	6.500099	6.733023	6.716043	6.783075
SDCBP	ENSG00000137575	-0.17721	8.251296	-4.68707	0.000198	0.000539	-0.41909	9.132551	9.163466	9.085821	9.002988	9.023737	9.034195	8.867366	8.874083	8.829842	7.778205	7.731041	7.741659	7.468254	7.531386	7.490007	7.279408	7.227589	7.362962
NEK1	ENSG00000137601	0.069261	4.65513	0.853514	0.404921	0.470146	-7.04246	5.501516	5.463733	5.584434	5.591153	5.435093	5.391041	5.440037	5.423907	5.559688	3.920163	3.884278	4.059098	4.122859	4.240369	4.179864	3.685048	3.863317	3.660409
DDX60	ENSG00000137628	-0.96861	6.033984	-9.74516	1.75E-08	1.88E-07	9.317774	4.679091	4.677795	4.537101	4.092964	4.222966	4.096805	3.988671	4.019913	4.063004	8.220025	8.267014	8.2178	7.155717	7.173725	7.243575	8.206316	8.243068	8.289943
SORL1	ENSG00000137642	-0.54393	5.230571	-5.45407	3.89E-05	0.00013	1.407782	4.073915	4.150501	3.783005	2.359902	2.991399	3.086148	3.027514	2.938616	2.82232	7.701509	7.765838	7.486478	7.290803	7.222577	7.178627	7.393565	7.281873	7.290655
TMPRSS4	ENSG00000137648	-0.27183	2.333945	-4.90876	0.000123	0.000354	0.189079	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	8.991462	8.855	8.925328	8.642486	8.613208	8.635932	8.687838	8.689942	8.698994
BUD13	ENSG00000137656	-0.38134	4.637493	-6.60488	3.88E-06	1.75E-05	3.963979	4.48962	4.383825	4.332993	4.122913	4.030628	4.264152	4.174919	4.290959	4.339245	5.1881	5.314511	5.313568	4.871306	4.756906	4.950015	5.262556	5.176796	5.32087
MMP7	ENSG00000137673	0.136859	4.143989	0.773792	0.449394	0.513454	-7.29865	4.428132	4.372133	4.109872	3.041869	3.329147	3.168853	1.867984	2.324112	1.873138	5.464721	5.557418	5.55273	5.897506	6.009653	6.092077	4.37013	4.874338	4.637057
CFAP300	ENSG00000137691	0.731213	0.682257	3.312923	0.003992	0.007774	-2.23648	1.069823	1.327092	1.30847	1.457877	1.373859	1.250575	1.160105	0.387194	0.735084	1.616888	1.335727	1.49011	2.096181	2.148862	2.23906	1.599785	1.766644	1.877799
DCUN1D5	ENSG00000137692	-0.22295	6.084627	-5.41887	4.19E-05	0.000138	1.319039	5.879004	5.80765	5.863473	5.749917	5.596688	5.657664	5.791286	5.935393	5.785592	6.477494	6.430163	6.624591	6.254679	6.295956	6.259615	6.533497	6.475502	6.508098
YAP1	ENSG00000137693	-0.07825	7.234616	-2.05272	0.055383	0.081548	-5.89063	7.084425	7.165443	7.095064	7.001668	6.900636	6.985748	6.83525	6.866575	6.7289	7.561902	7.599947	7.572884	7.549414	7.518741	7.613453	7.462038	7.459477	7.402811
SLC37A4	ENSG00000137700	-0.38755	5.445688	-4.17287	0.000605	0.001449	-1.29049	5.454629	5.334134	5.402389	4.955356	4.836932	4.627987	5.67619	5.543171	5.489686	5.90277	5.826337	5.852187	5.594369	5.577973	5.643753	5.628249	5.615689	5.687573
RDX	ENSG00000137710	0.128777	6.775721	1.475085	0.157976	0.205955	-6.71502	7.233196	7.215375	7.086729	7.283824	7.217704	7.22873	7.632794	7.65089	7.630333	6.199783	6.19032	6.154665	6.326528	6.385602	6.39813	6.12954	6.157931	6.106218
PPP2R1B	ENSG00000137713	-0.09282	6.88296	-0.57467	0.572839	0.63184	-7.6547	6.940715	7.034342	6.871794	7.54851	7.459453	7.548199	7.104404	7.138087	7.093013	6.994425	6.909856	6.936015	6.17308	6.20921	6.278105	6.58869	6.632959	6.668864
FDX1	ENSG00000137714	-0.21759	4.890786	-3.25331	0.004547	0.00873	-3.16391	5.420591	5.346137	5.405371	5.05192	4.933626	4.997371	5.387786	5.224202	5.174497	4.73162	4.675929	4.72456	4.577158	4.671739	4.759194	4.694387	4.648991	4.520707
C11orf1	ENSG00000137720	0.198845	4.620991	2.857972	0.010672	0.018711	-4.03159	4.339825	4.204245	4.262385	4.112999	4.13	4.079806	4.057185	4.080322	4.073118	5.117808	5.186564	5.149169	5.530276	5.489494	5.467673	5.102661	4.940116	5.000336
ARHGAP2(	ENSG00000137727	0.41734	-1.14053	1.625111	0.122034	0.164576	-5.22866	0.106501	0.215206	0.219246	0.258133	0.25478	0.2349	0.415731	0.106501	0.106501	1.457372	1.752042	1.46518	1.711947	1.871771	1.610309	1.177011	1.513652	1.058313
MMP13	ENSG00000137745	-0.34363	0.910391	-3.79145	0.001397	0.00304	-1.99159	0.106501	0.316291	0.323815	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	5.678768	5.731269	5.755256	5.225618	5.468605	5.51326	5.049474	5.160331	5.184529
TMPRSS13	ENSG00000137747	1.284015	0.220477	17.47605	1.65E-12	1.65E-10	18.95978	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.87668	4.186209	4.033888	5.368624	5.255884	5.278599	4.835732	4.999943	4.969789
CASP1	ENSG00000137752	0.242497	2.230033	1.713034	0.104388	0.143154	-5.51348	1.642349	1.744817	1.667608	2.393052	2.299368	2.481849	2.226405	2.420731	2.588518	3.024981	2.85362	2.786535	2.67247	2.913535	2.918805	2.901634	3.081525	3.021085
ALKBH8	ENSG00000137760	0.475304	3.875988	4.714943	0.000186	0.000511	0.182517	3.210562	2.91921	3.06005	3.753334	3.670226	3.419122	4.057185	3.999201	3.935772	4.318634	3.997554	4.209279	4.505944	4.600559	4.595601	4.426844	4.469068	4.520707
MAP2K5	ENSG00000137764	0.076092	4.280816	0.654254	0.521465	0.583433	-7.17447	4.605251	4.835117	4.696533	4.392481	4.360275	4.358792	4.629578	4.562048	4.606245	4.054455	4.071868	3.955502	4.568067	4.307781	4.398437	4.026533	4.134537	3.865145
SQOR	ENSG00000137767	-0.85847	3.546043	-3.94565	0.000996	0.002255	-1.2102	5.440544	5.507143	5.443586	4.132759	4.335505	4.256608	5.193472	4.922558	4.951444	2.18395	2.469748	2.25768	2.529911	2.533802	2.382676	2.831347	2.711397	2.863849
CTDSPL2	ENSG00000137770	-0.18247	5.313117	-1.70998	0.104963	0.143762	-6.18718	5.023273	5.022548	5.130553	5.316663	5.305047	5.418344	5.67619	5.592401	5.598715	5.604555	5.419887	5.501542	4.888451	5.05754	5.014844	5.570088	5.593376	5.580449
SLTM	ENSG00000137776	-0.25422	6.992787	-3.09976	0.006347	0.011789	-3.815	6.818604	6.793718	6.760919	6.892894	6.875081	6.892695	6.718467	6.759804	6.725698	7.416571	7.406844	7.457145	6.921776	6.892465	6.892456	7.29527	7.257568	7.305256
THBS1	ENSG00000137801	-0.74317	7.626388	-2.04632	0.056071	0.082468	-5.96671	7.623171	7.415894	7.446551	4.072648	4.335505	4.323123	5.115291	5.103252	5.211591	9.658221	9.628087	9.638544	9.907522	9.832549	9.896668	9.517469	9.485015	9.472468
MAPKBP1	ENSG00000137802	0.499163	3.901998	5.815256	1.85E-05	6.74E-05	2.575441	3.999005	3.888531	4.320409	4.63346	4.776871	4.627987	4.034706	4.166444	4.198517	3.471629	3.709078	3.526028	3.988472	3.766081	3.945482	3.6717	3.690624	3.621636
NUSAP1	ENSG00000137804	-1.59251	5.454651	-6.56253	4.21E-06	1.88E-05	3.895025	6.214805	6.279197	6.291837	5.487537	5.60362	5.654797	6.398022	6.452163	6.405835	5.887203	5.749173	5.884278	3.228726	3.528394	3.244428	5.591509	5.609638	5.528997
NDUFAF1	ENSG00000137806	-0.36519	4.291169	-3.7346	0.001583	0.003405	-1.91545	5.246942	5.355074	5.204319	4.845887	4.621619	4.78306	5.431459	5.360361	5.216162	3.420635	3.709078	3.809637	3.429485	3.652127	3.593499	3.617041	3.743163	3.744016
KIF23	ENSG00000137807	-1.04957	5.639808	-6.1569	9.32E-06	3.73E-05	3.007056	6.374462	6.282324	6.320555	6.025677	5.824412	5.870309	6.369117	6.383897	6.407834	5.742445	5.693098	5.759107	4.041988	4.045377	4.109334	5.669122	5.539222	5.699258
KNL1	ENSG00000137812	-0.96594	3.513418	-3.27423	0.004344	0.008385	-2.66477	3.827767	4.006672	3.987862	3.827958	4.030628	3.964146	4.737903	5.141559	4.889843	3.792275	3.854512	3.519989	1.797417	1.970168	1.749324	3.724364	3.537548	3.856822
HAUS2	ENSG00000137814	-0.50166	5.267714	-11.8228	9.10E-10	1.78E-08	12.52184	5.677569	5.649552	5.589687	5.176143	5.114368	5.114677	5.624444	5.6164	5.470686	5.307527	5.312323	5.308321	4.818614	4.850301	4.848508	5.273642	5.419802	5.347846
RTF1	ENSG00000137815	-0.37059	6.609663	-7.24587	1.16E-06	6.23E-06	4.974897	7.08533	7.10315	7.122505	6.450574	6.632311	6.700353	6.983449	6.937692	6.876233	6.453384	6.462095	6.517263	6.202755	6.290015	6.236164	6.403278	6.350449	6.447035
PARP6	ENSG00000137817	0.27538	5.7976	3.61076	0.002079	0.004353	-2.59095	5.616234	5.455446	5.519862	5.587578	5.438974	5.590242	5.422829	5.431657	5.408147	5.805088	5.874589	5.867727	6.317514	6.26358	6.290681	6.294279	6.319888	6.345106
RPLP1	ENSG00000137818	0.086689	9.682304	1.727662	0.101676	0.139852	-6.57069	9.95386	9.915716	9.931953	10.17455	10.2297	10.04015	9.996672	9.951372	10.01695	9.374303	9.316863	9.28229	9.237128	9.297482	9.325819	9.37663	9.421809	9.471957
PAQR5	ENSG00000137819	0.467138	2.87102	4.786542	0.00016	0.000447	0.832597	4.949597	4.95753	5.018167	5.388282	5.450555	5.474701	5.296262	5.462247	5.313214	1.315703	1.228418	1.094478	1.420179	1.495836	1.355599	1.320757	1.289746	1.322858
LRRC49	ENSG00000137821	0.369079	2.240153	3.423159	0.003137	0.006261	-2.2012	2.245129	2.039077	2.326135	2.425456	2.686486	2.825643	2.480375	2.511284	2.501332	2.356666	2.320972	2.409144	2.51737	2.517623	2.703134	2.890155	2.921385	2.863849
TUBGCP4	ENSG00000137822	0.024399	5.358393	0.343889	0.735032	0.778022	-7.54658	5.316463	5.278849	5.293935	5.629907	5.49597	5.575159	5.814563	5.862728	5.706591	5.24539	5.27461	5.119519	5.081845	4.974036	5.012085	5.52441	5.384796	5.518482
RMDN3	ENSG00000137824	-0.31854	6.248454	-5.75253	2.11E-05	7.53E-05	2.01427	6.355069	6.424961	6.301474	5.958063	5.957528	5.897242	6.33962	6.295349	6.327739	6.504273	6.416986	6.536837	6.244253	6.304233	6.211124	6.269019	6.239876	6.24183
ITPKA	ENSG00000137825	-0.12771	0.352507	-0.34984	0.730642	0.774526	-6.28275	1.235614	1.780637	1.406977	1.791994	1.996426	1.956998	1.648695	1.945386	1.777424	0.669294	0.799097	1.248523	0.407676	0.7293	0.404558	1.177011	1.2488	1.273688
UACA	ENSG00000137831	-0.17682	4.931999	-2.39686	0.02796	0.044164	-5.02299	4.829349	4.872944	4.715879	4.236852	4.376555	4.308605	3.828023	4.09991	3.746538	5.730282	5.88346	5.804535	5.732343	5.791513	5.824445	5.375946	5.251241	5.347846
SMAD6	ENSG00000137834	0.747934	5.173986	5.448447	3.94E-05	0.000131	1.487764	3.878801	3.608619	3.489013	4.612502	4.97698	4.702062	5.055139	4.790167	4.837409	5.785068	5.835508	5.840118	6.459487	6.341475	6.396015	5.830969	5.780968	5.817625
PLCB2	ENSG00000137841	-0.67662	0.160208	-3.53095	0.002477	0.005082	-1.60756	1.384302	1.061904	1.453818	0.742604	1.006428	0.830331	0.886508	1.001115	1.171446	1.158593	1.112482	1.333627	0.945898	0.888753	0.957066	1.482378	1.547811	1.222783
TMEM62	ENSG00000137842	0.236923	4.781477	3.377741	0.003465	0.006836	-2.89153	4.664623	4.663476	4.569365	5.062262	5.044764	5.1639	4.902122	5.007978	4.855099	4.671093	4.637993	4.706059	4.687622	4.820936	4.698713	4.986185	4.917433	4.973643
PAK6	ENSG00000137843	-0.13735	-0.60912	-1.77315	0.09363	0.130198	-5.43465	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.236329	3.106888	3.157196	2.949505	2.950162	3.096004	3.447271	3.494411	3.455199
ADAM10	ENSG00000137845	0.816593	6.919519	9.451613	2.75E-08	2.70E-07	8.812542	6.214805	6.206989	6.219134	7.392314	7.344154	7.426577	7.04238	6.985861	6.935637	6.673544	6.783657	6.739507	7.193652	7.254656	7.26227	7.023087	7.03633	7.046321
STRA6	ENSG00000137868	-0.00387	5.29997	-0.03013	0.976306	0.980228	-7.7293	4.712298	4.463121	4.59048	4.43289	4.515354	4.549901	3.352323	3.196885	3.306673	6.59139	6.554781	6.581744	6.686492	6.545754	6.60452	6.54818	6.590575	6.585692
ZNF280D	ENSG00000137871	0.178489	5.119555	2.937615	0.009001	0.016055	-3.88553	5.367978	5.144404	5.207739	5.487537	5.514478	5.525804	5.208612	5.503276	5.363523	4.911672	4.948095	5.016036	5.036421	5.006281	5.100452	4.793224	4.987552	4.802199
SEMA6D	ENSG00000137872	0.671377	0.346327	1.557014	0.137389	0.182302	-5.32689	0.814199	0.410755	0.679585	1.182548	1.2379	1.188496	1.588238	1.301009	1.620777	1.616888	1.644832	1.800268	1.733794	1.846087	1.900186	0.789161	0.504542	1.170016
RSL24D1	ENSG00000137876	-0.57312	7.196347	-4.38957	0.000377	0.000955	-1.01233	7.592925	7.625542	7.577902	6.495146	6.577031	6.567948	7.418387	7.44805	7.452914	7.401309	7.328353	7.372528	7.151665	7.242402	7.218664	7.064529	7.073443	7.113359
SPTBN5	ENSG00000137877	0.329999	0.154133	1.295905	0.211861	0.266214	-5.61737	0.882475	1.002471	0.964748	1.791994	1.437317	1.475193	0.886508	0.726566	0.629397	1.028404	1.265082	1.219002	1.121891	1.032323	1.046067	1.177011	1.289746	1.273688
GCHFR	ENSG00000137880	-0.38479	3.755206	-3.07984	0.006626	0.012256	-3.27143	3.86199	3.704977	3.889066	3.827958	4.139571	3.711713	4.068294	4.273815	4.207726	3.991785	4.092415	4.140085	3.40246	3.436722	3.378997	3.900611	3.84969	3.669942
BCAR3	ENSG00000137936	0.00318	6.992784	0.01861	0.985363	0.98786	-7.80514	7.318849	7.282497	7.302831	7.943403	7.958398	7.922353	7.963977	7.898864	7.945885	6.517479	6.443221	6.605467	5.860749	5.743628	5.80226	6.584245	6.453147	6.567956
TTLL7	ENSG00000137941	1.718485	1.894457	13.47262	1.15E-10	3.59E-09	14.4455	2.369288	2.206444	2.300736	3.591402	3.844198	3.655458	2.908934	2.916694	2.530983	1.278001	1.190799	1.061592	2.504718	2.250257	2.513282	1.419885	1.513652	1.703111
FNBP1L	ENSG00000137942	0.341981	6.045341	7.188943	1.29E-06	6.82E-06	4.906391	6.066775	5.957964	5.872121	6.227533	6.221357	6.225588	5.937792	5.965067	5.895106	6.015891	6.031795	5.886627	6.381191	6.381138	6.356323	5.875309	5.852747	6.072473
KYAT3	ENSG00000137944	0.62943	3.738211	7.855344	3.88E-07	2.44E-06	6.454037	2.548084	2.403106	2.300736	3.376187	3.151334	3.459109	3.405851	3.506713	3.181386	4.430262	4.382523	4.34529	4.848959	4.916583	4.848508	4.826728	4.881053	4.865793
GTF2B	ENSG00000137947	-0.1652	5.163393	-2.71437	0.014472	0.024556	-4.39837	4.884496	4.893538	4.844488	4.687901	4.544465	4.639633	4.765467	4.928048	4.825493	5.667877	5.747555	5.872475	5.597352	5.674166	5.671993	5.486798	5.398901	5.582975
BRDT	ENSG00000137948	-0.38119	-1.58619	-2.44688	0.025244	0.040385	-3.84086	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.704765	1.989662	1.562415	1.365252	1.393161	1.284217	1.948641	1.930959	1.877799
RABGGTB	ENSG00000137955	-0.19499	5.956226	-4.05259	0.000787	0.001832	-1.59256	6.573458	6.553462	6.538585	6.452541	6.323559	6.566424	6.384753	6.495326	6.539485	5.658737	5.639998	5.647191	5.389419	5.361637	5.33488	5.384153	5.41055	5.417409
IFI44L	ENSG00000137959	-0.4934	4.80719	-7.04547	1.68E-06	8.56E-06	4.651069	1.755904	1.978677	2.018628	2.103714	2.429905	2.22781	2.545421	2.568641	2.616448	7.741449	7.85685	7.741335	7.174809	7.223824	7.269219	8.084125	8.213448	8.293802
ARHGAP2(	ENSG00000137962	-0.46806	6.432737	-2.03532	0.057271	0.084086	-5.86338	6.129578	6.144785	6.167376	4.263984	4.020303	4.079806	5.157514	5.319175	5.404147	7.789554	7.791591	7.762912	7.895504	7.953624	7.979263	7.4292	7.484493	7.520768
IFI44	ENSG00000137965	-0.09293	4.547547	-0.88115	0.390191	0.455271	-7.22939	2.392887	2.403106	2.166567	3.359513	3.188693	3.086148	3.137083	3.431409	3.218306	6.234645	6.401631	6.298324	6.018135	6.031182	6.147181	6.707906	6.858936	6.941013
SLC44A5	ENSG00000137968	0.346346	3.167235	4.178503	0.000597	0.001432	-0.89996	2.483604	2.470453	2.248556	2.91067	3.151334	2.605775	2.724622	2.728183	2.616448	3.818776	4.077032	3.722908	4.151547	4.034047	4.184772	4.052512	4.11758	4.115895
RPL7P9	ENSG00000137970	-0.22549	2.634134	-1.87127	0.078145	0.11077	-5.28269	3.100204	3.155816	3.270929	3.162124	3.188693	2.998412	3.19904	2.848856	3.323715	2.990428	2.912585	2.671369	2.542344	2.533802	2.497588	2.154563	2.429363	2.570068
CLCA2	ENSG00000137975	2.571384	-0.10395	8.25076	1.95E-07	1.37E-06	7.262741	0.742531	0.661886	0.323815	2.255624	2.333126	2.429135	1.074544	1.231675	0.925731	0.483018	0.462741	0.449284	1.186687	1.203912	1.17005	1.13872	0.637375	1.058313
DBT	ENSG00000137992	0.228705	5.235415	3.49134	0.002702	0.005491	-2.75768	5.093368	4.925889	4.929803	5.227586	5.099733	5.187896	5.167879	5.289629	5.197793	5.389369	5.368161	5.396673	5.657166	5.666849	5.546053	5.323569	5.171328	5.308717
RTCA	ENSG00000137996	-0.06852	5.412134	-1.03846	0.313211	0.376017	-7.10344	5.578142	5.699529	5.589687	5.428807	5.503402	5.500479	5.125963	5.281075	5.188519	5.445717	5.427994	5.48148	5.441792	5.470708	5.441254	5.537346	5.368165	5.534225
IFT172	ENSG00000138002	0.614833	3.435268	3.650581	0.001905	0.00403	-1.96743	3.801557	3.741788	3.889066	3.955484	3.808643	4.138446	3.988671	3.999201	4.073118	2.955028	3.034402	2.893183	3.88976	3.970091	3.824901	2.706012	2.881762	2.830235
SELENOI	ENSG00000138018	-0.56802	7.204788	-13.6268	9.59E-11	3.17E-09	14.66062	7.529797	7.607579	7.532254	7.077547	7.096402	7.152533	7.361949	7.331721	7.26939	7.491066	7.463647	7.385043	6.772779	6.750852	6.802715	7.070898	7.043081	7.131584
CGREF1	ENSG00000138028	0.408081	0.696636	1.262875	0.223223	0.278818	-5.5304	4.909255	4.965333	5.022058	5.303647	5.554381	5.471446	5.875913	5.758745	5.813006	0.106501	0.185134	0.16959	0.106501	0.106501	0.106501	0.257084	0.19538	0.315289
HADHB	ENSG00000138029	0.248473	7.010675	3.86168	0.001197	0.002647	-2.15401	7.282198	7.212919	7.160948	7.430734	7.30535	7.329246	7.352893	7.403426	7.311645	6.670819	6.621691	6.673703	6.969167	7.00772	7.041273	6.505558	6.546909	6.579383
KHK	ENSG00000138030	-0.40577	2.466268	-4.46317	0.000321	0.00083	-0.18443	1.719036	1.81559	1.954926	1.688986	1.817192	2.029614	1.70672	1.85606	1.727075	3.87036	3.70241	3.968865	3.346841	3.428092	3.437743	3.962207	3.992947	3.937965
ADCY3	ENSG00000138031	-0.32555	6.005239	-3.61491	0.00206	0.004318	-2.58934	6.216459	6.203694	6.224209	5.946944	6.149755	6.0425	5.897874	5.902309	5.830996	6.097974	6.084032	6.158558	5.677036	5.672341	5.704825	6.245564	6.243788	6.214406
PPM1B	ENSG00000138032	0.724413	5.019361	8.077296	2.63E-07	1.77E-06	6.685507	4.410898	4.366251	4.188143	5.388282	5.446705	5.435149	4.6445	4.917048	4.91817	5.046721	5.145366	4.994418	5.477839	5.560311	5.503472	5.26478	5.274377	5.217405
PNPT1	ENSG00000138035	-0.5653	6.5247	-13.5292	1.08E-10	3.44E-09	14.59333	6.962565	7.025972	6.985753	6.50655	6.403191	6.570993	6.753301	6.712874	6.696557	6.541545	6.626983	6.67098	5.978655	5.998038	6.030701	6.410327	6.446373	6.420456
DYNC2LI1	ENSG00000138036	-0.10531	4.783379	-0.93152	0.364276	0.429146	-7.09935	5.394524	5.433112	5.37527	4.833866	4.928114	4.751204	4.583863	4.644388	4.542164	4.710546	4.648439	4.897583	5.025392	4.944083	5.095248	4.454386	4.460128	4.359215
THUMPD2	ENSG00000138050	-0.22764	4.42527	-4.15508	0.000629	0.001499	-1.098	4.664623	4.673038	4.626705	4.63346	4.360275	4.293939	4.819063	4.837607	4.855099	4.242376	4.427694	4.392334	4.195506	4.095289	4.160062	4.530299	4.534411	4.551975
CYP1B1	ENSG00000138061	0.974613	9.17874	7.422629	8.40E-07	4.72E-06	5.127142	9.417445	9.368806	9.384642	9.935151	10.00795	9.932267	9.708169	9.680476	9.636	8.06435	8.142301	8.321056	9.525188	9.571979	9.596024	8.434598	8.290492	8.252762
RAB1A	ENSG00000138069	0.442006	7.83258	12.22528	5.38E-10	1.15E-08	12.84206	7.851108	7.936623	7.857003	8.475902	8.353314	8.417412	8.288822	8.283655	8.258266	7.257367	7.273173	7.268748	7.617096	7.599263	7.62343	7.60538	7.568004	7.574415
ACTR2	ENSG00000138071	0.060243	8.532243	1.719699	0.103145	0.141679	-6.52323	8.420792	8.455638	8.353387	8.4662	8.464108	8.442563	8.535402	8.608651	8.523685	8.599222	8.578747	8.545575	8.617365	8.695516	8.621071	8.565978	8.559726	8.59931
PREB	ENSG00000138073	0.090726	6.384209	1.942462	0.068371	0.098365	-5.96703	6.352062	6.346469	6.403429	6.551287	6.623812	6.59512	6.755021	6.7017	6.821794	6.199783	6.105673	6.158558	6.195885	6.078825	6.093383	6.463577	6.366088	6.427498
SLC5A6	ENSG00000138074	-0.42956	6.803679	-11.2491	1.97E-09	3.19E-08	11.55741	7.05144	7.025039	7.003573	6.6693	6.637387	6.672277	6.952306	6.924021	6.96987	6.941898	6.909856	6.959078	6.555383	6.38002	6.44491	6.951028	6.841829	6.818864
PREPL	ENSG00000138078	0.179211	6.543331	1.69867	0.107111	0.146493	-6.37039	6.705361	6.636443	6.690547	7.345453	7.089011	7.27427	7.060574	7.14988	7.032107	6.193468	6.283738	6.182654	6.011444	6.071917	5.9276	6.103682	6.095794	6.228989
FBXO11	ENSG00000138081	-0.03372	6.062965	-0.65659	0.519994	0.581979	-7.50906	6.1677	6.158464	6.093496	6.320926	6.044157	6.229446	6.307166	6.381898	6.30432	5.966378	6.038429	5.938492	5.773793	5.920171	5.912885	5.943536	5.983288	6.050746
ATRAID	ENSG00000138085	-0.00433	7.244522	-0.13458	0.894484	0.913664	-7.85063	7.65035	7.708661	7.601496	7.641101	7.579461	7.699836	7.512895	7.495962	7.51729	6.91988	6.91995	6.972961	6.944788	6.947096	6.936045	6.85613	6.8967	6.783075
CENPO	ENSG00000138092	-0.35953	4.668598	-1.4451	0.16612	0.215036	-6.39341	4.10996	4.065935	4.117166	4.910272	5.104628	4.803913	5.490461	5.323347	5.291723	4.908591	4.833757	4.823505	3.703037	3.583837	3.727354	5.528118	5.403571	5.464729
LRPPRC	ENSG00000138095	-0.50042	8.462507	-11.7809	9.62E-10	1.85E-08	12.2055	9.28419	9.293709	9.250125	8.670539	8.645926	8.676089	8.896096	8.895606	8.893646	8.153913	8.163395	8.146085	7.796153	7.760478	7.758366	8.069887	8.033041	8.019148
DTNB	ENSG00000138101	-0.27595	3.334645	-1.76161	0.095617	0.132555	-5.59338	4.467563	4.342481	4.542529	3.766043	3.683372	3.722706	4.000319	3.90213	4.05282	2.693825	2.792142	2.902498	3.18974	3.020741	3.126936	2.831347	2.854728	2.912845
ACTR1A	ENSG00000138107	0.345398	6.688065	8.540439	1.20E-07	9.13E-07	7.319642	7.031845	7.033414	6.957588	7.358099	7.355491	7.313881	7.175477	7.119014	7.045009	6.167928	6.110718	6.188378	6.485475	6.498105	6.529335	6.059528	6.08129	6.149449
MFSD13A	ENSG00000138111	-0.13743	2.167821	-1.0979	0.287142	0.348242	-6.20799	2.707144	2.308123	2.641489	2.791417	2.229385	2.741673	2.667326	2.916694	2.846105	2.282443	2.405511	2.396013	2.178139	2.10622	2.10048	2.283004	2.37332	2.528753
MYOF	ENSG00000138119	0.008043	9.473713	0.099952	0.92152	0.935577	-7.9679	11.24203	11.26459	11.31529	11.12554	11.10913	11.15804	10.92387	10.88118	10.88869	7.675011	7.761433	7.672897	7.889739	7.934328	7.933703	7.975955	7.926727	7.913768
STAMBPL1	ENSG00000138134	-0.35071	3.365252	-2.22165	0.039777	0.060536	-4.79822	4.321496	4.287521	4.095173	4.031135	4.139571	3.991672	3.928981	4.060466	3.867685	3.058725	2.829342	3.093551	2.717023	2.657091	2.276326	3.501087	3.307681	3.176297
CH25H	ENSG00000138135	-1.45134	-1.41118	-5.43314	4.06E-05	0.000135	2.293871	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	2.527059	2.500824	2.355887	1.121891	1.2438	1.046067	1.903678	1.981819	1.775544
ATAD1	ENSG00000138138	0.58633	6.664424	4.123993	0.000673	0.001593	-1.47221	6.936707	6.90643	6.892132	7.680232	7.566215	7.608707	8.352685	8.432534	8.418547	5.456306	5.4835	5.429264	5.828117	5.821478	5.872388	5.884016	5.869726	5.855713
KIF11	ENSG00000138160	-1.31783	4.752326	-4.62344	0.000227	0.000609	-0.00949	5.626225	5.407565	5.458019	5.195063	5.226392	5.024275	5.97958	6.133713	5.889394	4.98955	4.995233	4.925267	2.504718	2.797719	2.399663	4.922811	4.805418	4.7174
CUZD1	ENSG00000138161	-0.31412	0.176792	-1.77799	0.092807	0.129238	-4.84035	1.719036	1.780637	1.706811	1.74141	1.437317	1.310092	2.058296	1.658879	1.777424	0.669294	0.799097	0.726056	0.745413	0.671977	0.533283	0.63264	0.816175	0.805046
TACC2	ENSG00000138162	-0.13968	6.57082	-1.00588	0.328198	0.391633	-7.21394	7.86383	7.864913	7.827849	7.494169	7.547464	7.54588	7.905559	7.846198	7.934836	5.629096	5.56295	5.584909	5.780368	5.710205	5.631222	4.939614	5.003024	4.99276
DUSP5	ENSG00000138166	-1.41411	5.681713	-7.31448	1.02E-06	5.60E-06	5.258327	6.98603	6.909466	6.900611	5.16659	5.14795	5.219282	5.804633	5.981	5.940005	5.718015	5.498975	5.708223	4.761267	4.653345	4.440084	6.081143	5.994168	5.946753
CALHM2	ENSG00000138172	0.876044	2.855558	3.874098	0.001165	0.002584	-1.43562	2.707144	2.71221	2.900124	3.791129	4.310303	4.071231	2.446718	1.945386	1.962896	2.749986	2.841532	3.093551	3.587808	3.223865	3.378997	3.011667	3.267249	3.215882
ARL3	ENSG00000138175	1.270937	4.221539	13.90229	6.95E-11	2.52E-09	15.25293	3.919992	3.872022	3.801232	5.388282	5.317749	5.366721	4.695544	4.664259	4.825493	3.488234	3.463043	3.373604	4.362569	4.303069	4.372859	4.208537	3.999132	4.101878
CEP55	ENSG00000138180	-1.13965	4.343728	-4.38327	0.000382	0.000966	-0.42679	5.658224	5.575013	5.508813	5.0571	5.152684	5.118843	5.586312	5.859858	5.515873	4.103779	4.166964	4.224215	2.129525	2.23054	1.923865	4.072963	4.065478	4.299055
KIF20B	ENSG00000138182	-0.96508	3.923124	-4.42748	0.000347	0.000887	-0.27392	4.590018	4.569336	4.470324	4.281793	4.293254	4.337497	5.136557	5.335791	5.087374	3.944434	4.082178	3.955502	2.300295	2.23054	2.382676	4.052512	3.779553	3.969186
EXOC6	ENSG00000138190	0.302252	5.038836	3.001224	0.007851	0.01422	-3.6858	5.432027	5.401827	5.417238	5.988204	6.00018	6.04688	5.69423	5.902309	5.741885	4.58494	4.494836	4.402219	4.34138	4.521632	4.364231	4.485232	4.343431	4.433851
PLCE1	ENSG00000138193	-0.38661	-1.17878	-1.10133	0.285688	0.346749	-5.63118	3.420312	3.750846	3.489013	3.487804	2.835252	3.18484	1.917967	2.184314	1.918715	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RBP4	ENSG00000138207	0.77233	-0.91173	1.537156	0.142161	0.187696	-5.05115	1.719036	1.744817	1.54317	2.605941	2.686486	2.697781	1.917967	1.945386	1.918715	0.34397	0.106501	0.397516	0.171976	0.106501	0.186984	0.326864	0.19538	0.106501
DBR1	ENSG00000138231	-0.08629	4.791255	-1.59862	0.127825	0.171271	-6.30659	4.393455	4.468622	4.547936	4.59836	4.515354	4.434292	4.376062	4.603806	4.520155	5.1881	5.207908	5.375087	5.066862	5.144398	5.131289	5.251384	5.140881	5.259054
DNAJC13	ENSG00000138246	0.305204	6.030282	5.400963	4.35E-05	0.000143	1.296988	5.727148	5.801125	5.854773	6.220625	6.245934	6.267477	6.081788	6.138456	6.007476	6.037207	6.104409	5.962072	6.184032	6.234178	6.213527	5.942147	5.93248	6.000631
GPR87	ENSG00000138271	0.810852	1.238761	4.308203	0.00045	0.001116	-0.70947	0.814199	0.736739	0.756332	0.106501	0.389229	0.106501	0.269385	0.253663	0.256032	4.252132	4.205202	4.257266	5.079714	5.223832	5.250784	4.733454	4.547132	4.61255
ANXA7	ENSG00000138279	0.170208	7.083548	3.105315	0.006271	0.011662	-3.77311	7.759334	7.741408	7.694025	7.803241	7.73118	7.693564	7.797892	7.885524	7.905423	6.279458	6.186741	6.238893	6.584981	6.596701	6.554203	6.413338	6.392174	6.467678
FAM149B1	ENSG00000138286	0.232103	4.382642	2.4389	0.02566	0.040999	-4.7432	4.584905	4.511888	4.59048	4.359318	4.301803	4.434292	4.4712	4.533523	4.563842	4.187508	4.195737	4.167389	4.684821	4.749998	4.649854	4.418877	4.377068	4.370952
ASCC1	ENSG00000138303	-0.42911	5.610128	-4.92503	0.000119	0.000344	0.424639	7.023364	7.025039	6.883604	6.388234	6.302412	6.393204	6.657248	6.73653	6.698191	4.789709	4.729387	4.773612	4.684821	4.660731	4.56581	4.519164	4.293974	4.557121
ZNF365	ENSG00000138311	-0.62504	1.491447	-2.84505	0.010971	0.019165	-3.0168	4.833667	4.604738	4.686762	4.190466	3.967543	4.210498	4.4712	4.511753	4.674259	0.834246	0.398185	0.639567	0.5125	0.26996	0.470356	0.686723	0.572487	0.409347
ADAMTS1(	ENSG00000138316	0.921724	-1.64561	3.25468	0.004533	0.00871	-2.17137	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.415731	0.106501	0.106501	1.239286	0.986408	1.094478	1.597456	1.591687	1.695314	1.13872	1.289746	1.322858
RPS24	ENSG00000138326	-0.1703	9.407171	-5.83209	1.79E-05	6.55E-05	1.959799	10.02178	10.01797	9.990959	9.881048	9.8122	9.802449	9.936561	9.972279	9.995337	9.010087	8.96912	8.943775	8.764741	8.839143	8.834628	8.822453	8.853993	8.902985
TET1	ENSG00000138336	0.601676	1.023964	3.046193	0.007126	0.013065	-2.70095	1.12723	1.780637	1.499186	2.143217	2.03796	2.288255	1.648695	2.255906	2.005764	1.423238	1.265082	1.305813	1.524131	1.495836	1.320349	1.320757	1.513652	1.546329
DNA2	ENSG00000138346	-1.86453	3.612739	-10.1486	9.51E-09	1.13E-07	10.38637	4.707601	4.783088	4.691656	3.605613	3.410458	3.700636	4.583863	4.610649	4.41276	4.261822	4.223947	4.159641	2.044674	1.897007	1.923865	3.485915	3.698248	3.591857
MYPN	ENSG00000138347	-0.75858	1.176425	-2.35157	0.030652	0.047929	-3.8762	6.986999	6.957203	6.997657	6.33805	6.123468	6.129738	5.099133	5.27247	5.22526	0.190076	0.106501	0.288049	0.234608	0.190544	0.186984	0.106501	0.19538	0.106501
AOX1	ENSG00000138356	-0.77274	1.872111	-3.91559	0.001064	0.002387	-0.84236	5.082524	5.140963	4.986657	4.281793	4.478119	4.351728	5.203583	5.285358	5.229787	0.609835	0.695454	0.683459	0.234608	0.484926	0.470356	0.884806	0.975239	0.734116
ATIC	ENSG00000138363	-0.47909	7.875578	-8.25542	1.94E-07	1.36E-06	6.713801	8.36707	8.372621	8.317429	7.658245	7.623609	7.679528	7.730434	7.783987	7.753353	8.082576	7.98498	8.051117	7.748324	7.744926	7.79534	7.733352	7.723657	7.725476
SMARCAL1	ENSG00000138375	-0.06332	4.815539	-0.82487	0.420564	0.485696	-7.18786	5.319544	5.427474	5.387386	5.082724	5.114368	5.159862	4.576101	4.765849	4.647437	4.641707	4.742447	4.721931	4.792829	4.80769	4.842308	4.504182	4.576385	4.525965
BARD1	ENSG00000138376	-1.0913	3.816953	-9.46032	2.71E-08	2.67E-07	9.218396	3.572735	3.750846	3.477724	3.376187	3.34578	3.03415	3.617275	3.761625	3.721038	4.867929	4.796672	4.786248	3.53901	3.528394	3.494191	4.694387	4.710599	4.622403
STAT4	ENSG00000138378	-1.92959	3.500766	-5.4485	3.94E-05	0.000131	2.031384	6.201502	6.193765	6.193487	3.791129	3.560502	3.744443	5.310366	5.263813	5.082376	2.527059	2.500824	2.592986	2.727949	2.451029	2.528806	1.926335	1.851139	2.14716

CARF	ENSG00000138380	0.761712	2.611394	6.770145	2.83E-06	1.34E-05	4.739798	2.917019	3.142112	2.982302	3.766043	3.546181	3.678224	3.296733	3.214961	3.181386	2.01088	2.372288	2.30059	2.949505	2.743101	2.942182	1.970607	2.315011	2.091498
ASNSD1	ENSG00000138381	-0.30797	5.992803	-5.47859	3.70E-05	0.000124	1.493729	6.330838	6.377503	6.235982	6.107843	5.994917	6.062107	6.462596	6.576214	6.423728	5.89033	5.881985	5.963185	5.570287	5.581868	5.546053	5.741175	5.733527	5.819768
METTL5	ENSG00000138382	-0.508	5.54264	-4.82971	0.000145	0.000411	0.145281	6.084999	6.134441	6.017577	5.072529	5.157403	5.143594	5.661594	5.653324	5.663734	5.710958	5.555569	5.647191	5.43514	5.512128	5.54032	5.461813	5.522142	5.374327
SSB	ENSG00000138385	-0.27841	7.94176	-6.29764	7.06E-06	2.94E-05	2.985464	7.999239	8.052414	7.960479	7.591091	7.586476	7.682346	7.558909	7.751072	7.643966	8.236704	8.217304	8.283669	8.045248	8.075716	8.059616	8.036108	8.126063	8.155598
NAB1	ENSG00000138386	-0.14954	6.238383	-1.81444	0.086812	0.121628	-6.15914	6.284277	6.257117	6.225897	6.263828	6.225857	6.233295	6.709625	6.843522	6.73369	6.238331	6.282621	6.151739	5.969477	5.977484	5.901004	6.06974	6.139849	6.142619
PPIG	ENSG00000138398	-0.2701	6.884554	-7.6315	5.77E-07	3.43E-06	5.653861	6.935703	6.881904	6.865312	6.62115	6.543178	6.590627	6.686381	6.755179	6.766778	7.152535	7.236717	7.248344	6.956449	7.009168	6.966291	6.946878	6.966231	7.021404
FASTKD1	ENSG00000138399	0.127718	4.533832	1.430376	0.170244	0.219517	-6.40382	4.888652	4.860445	4.595711	4.915985	4.621619	4.854763	5.233498	5.228657	5.141238	4.256985	4.112675	4.063257	4.241981	4.459468	4.368551	4.374256	4.173346	4.394143
MDH1B	ENSG00000138400	0.817567	0.822795	6.623455	3.74E-06	1.70E-05	4.573206	0.882475	0.940485	1.028027	1.256461	1.307481	1.575618	1.074544	0.824004	1.0941	1.840286	1.529011	1.877881	2.28558	2.269709	2.528806	1.734264	1.766644	1.81044
HECW2	ENSG00000138411	0.849616	2.521534	4.500301	0.000296	0.000772	0.141902	4.02189	3.695626	4.095173	4.54774	4.408574	4.493254	3.423261	3.043491	2.869505	1.423238	1.699433	1.248523	2.542344	2.581279	2.481722	1.542275	1.547811	1.626848
IDH1	ENSG00000138413	-0.0709	8.281779	-0.57254	0.574248	0.632953	-7.77161	8.663861	8.617276	8.564858	8.561315	8.515091	8.561752	8.656282	8.742019	8.646442	8.284131	8.206447	8.292554	8.148991	8.227039	8.173874	7.404197	7.422559	7.47392
OLA1	ENSG00000138430	-0.66554	7.396534	-10.4994	5.68E-09	7.50E-08	10.41249	7.985722	8.047828	7.948774	7.161705	7.131599	7.110257	7.304389	7.282216	7.311645	7.606315	7.557162	7.57907	7.07832	7.112427	7.110617	7.297444	7.322519	7.3519
CIR1	ENSG00000138433	0.128836	4.891186	1.894182	0.074872	0.10664	-5.88778	4.543331	4.490417	4.579961	4.290615	4.43213	4.358792	4.31208	4.357565	4.41276	5.395984	5.409689	5.493859	5.682663	5.799899	5.618582	5.191852	5.322033	5.299535
ITPRID2	ENSG00000138434	-0.55328	7.80649	-8.06963	2.67E-07	1.79E-06	6.398134	8.612646	8.502309	8.537257	7.744252	7.748484	7.732153	8.06864	8.081752	7.985243	7.701954	7.668267	7.652682	7.378793	7.367283	7.378219	7.492248	7.528457	7.46025
CHRNA1	ENSG00000138435	-0.16888	-1.37776	-1.26736	0.221652	0.277123	-5.80257	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.100009	2.267764	1.877881	1.916818	1.819936	1.801384	2.075685	1.795362	1.942153
FAM117B	ENSG00000138439	0.526724	2.729521	4.051263	0.000789	0.001836	-1.09104	2.245129	2.403106	2.079636	2.864145	3.31232	3.306732	1.762502	1.988058	2.165532	3.576295	3.241771	3.419749	3.703037	3.652127	3.767168	3.245848	3.193646	3.421736
WDR12	ENSG00000138442	-0.4964	6.430961	-12.6117	3.29E-10	7.81E-09	13.42928	6.614185	6.633998	6.480387	6.049263	5.965622	5.954316	6.269158	6.189628	6.222635	6.860533	6.873958	6.901587	6.4959	6.431661	6.450015	6.531651	6.570985	6.576851
ABI2	ENSG00000138443	0.132917	6.347673	2.154609	0.045412	0.068145	-5.58899	6.740277	6.62294	6.635737	6.598236	6.618689	6.617379	6.765297	6.890672	6.803687	5.916638	5.887875	5.830389	6.204712	6.167044	6.18319	6.065919	5.961279	6.086777
ITGAV	ENSG00000138448	-0.17544	7.76921	-1.32822	0.201189	0.25424	-7.02348	8.112843	8.084115	8.047515	7.445622	7.458497	7.522481	8.091962	7.983681	7.993253	7.711267	7.739616	7.704196	7.900342	7.946088	7.947487	7.425725	7.453858	7.402096
SLC40A1	ENSG00000138449	-0.05871	4.145546	-0.42249	0.677818	0.726532	-7.40983	3.236881	3.298545	3.371944	3.887325	4.009905	4.088331	3.705302	3.521314	3.199964	5.344475	5.270107	5.39172	4.902986	5.032138	5.042146	4.40281	4.283876	4.305185
SLC35A5	ENSG00000138459	0.008412	4.978054	0.079041	0.937898	0.949093	-7.53757	5.256622	5.352102	5.251481	5.290513	5.138434	5.294884	5.478019	5.6164	5.519576	4.724629	4.893523	4.828401	4.82626	4.90419	4.85468	4.450484	4.333674	4.461559
SLC49A4	ENSG00000138463	0.323619	3.569985	4.27291	0.000486	0.001196	-0.70583	3.623492	3.657602	3.544167	3.661095	3.643567	3.722706	3.405851	3.698786	3.389938	3.528929	3.647924	3.71764	4.002038	4.143531	4.088533	3.567454	3.705831	3.698167
SENP7	ENSG00000138468	1.082176	2.331578	9.714337	1.83E-08	1.94E-07	9.764376	2.051128	1.81559	2.166567	3.103249	2.660129	2.675323	2.696258	2.420731	2.530983	2.338465	2.074736	2.460504	3.173846	3.329589	3.253801	2.901634	2.696248	2.706008
COX17	ENSG00000138495	-0.02507	4.699872	-0.35526	0.726647	0.771095	-7.41746	4.855064	4.961437	4.808898	4.591236	4.701332	4.854763	5.213624	5.058905	5.18386	4.525848	4.57733	4.536922	4.621778	4.573423	4.660464	4.67445	4.687803	4.536426
PARP9	ENSG00000138496	0.345395	5.583586	2.675874	0.015693	0.026385	-4.56077	3.819083	3.812706	3.955676	5.009799	5.199191	5.046319	4.606901	4.644388	4.482711	6.564237	6.627863	6.634409	6.624255	6.595738	6.690721	6.973638	7.00363	6.981768
MNS1	ENSG00000138587	-1.36587	1.500923	-7.80032	4.27E-07	2.66E-06	6.689178	2.461454	2.232543	2.274882	1.74141	1.612488	1.623325	1.160105	1.710758	1.962896	2.527059	2.817048	2.911754	1.548989	1.462417	1.550722	1.759719	1.981819	2.252429
USP8	ENSG00000138592	0.515959	6.163884	12.91844	2.25E-10	5.87E-09	13.86512	5.973987	6.05805	5.982065	6.422753	6.476771	6.463697	6.536452	6.558627	6.521134	5.546278	5.757239	5.677352	6.204712	6.220499	6.236164	6.182261	6.288666	6.224144
SECISBP2L	ENSG00000138593	1.124598	6.23893	11.20054	2.11E-09	3.36E-08	11.57427	6.031501	6.03228	6.093496	7.294828	7.118349	7.285434	7.246883	7.242012	7.258353	5.195703	5.331897	5.000938	6.152952	6.234178	6.148438	5.667442	5.611658	5.760771
TMOD3	ENSG00000138594	0.110478	7.436775	2.112299	0.049334	0.073532	-5.79847	7.414909	7.453135	7.393475	7.380999	7.331683	7.367395	7.181884	7.128582	7.048858	7.528174	7.505906	7.486865	7.731456	7.784764	7.769027	7.424731	7.505828	7.580114
SPPL2A	ENSG00000138600	0.568083	6.201074	13.00715	2.02E-10	5.47E-09	13.99411	6.629166	6.61304	6.549409	7.253686	7.212045	7.296512	6.977569	6.948536	6.877676	5.314527	5.366053	5.249309	5.741807	5.77969	5.728547	5.515099	5.482955	5.497221
GLCE	ENSG00000138604	0.753771	6.826687	3.001133	0.007853	0.014221	-3.84564	7.594834	7.665606	7.596939	8.834112	8.705135	8.800625	9.506758	9.464921	9.510685	5.157281	5.19846	5.047868	4.994054	5.074229	4.989822	5.075046	5.057388	5.055925
SHF	ENSG00000138606	0.269451	0.536825	1.38185	0.184426	0.235733	-5.59069	1.286899	0.736739	0.679585	1.182548	1.164793	1.123626	1.160105	1.430416	1.171446	1.52331	1.435603	1.73919	1.644349	1.528499	1.695314	1.45147	1.766644	1.370407
APH1B	ENSG00000138613	1.897581	2.4942	15.39853	1.32E-11	7.66E-10	16.58412	2.461454	2.748839	2.579475	4.092964	4.139571	4.351728	3.423261	3.318907	3.60036	1.423238	1.616737	1.360915	3.125084	3.04352	2.858649	1.926335	2.212266	2.033602
INTS14	ENSG00000138614	-0.27882	6.338797	-3.93133	0.001027	0.002317	-1.94662	6.553964	6.475012	6.441695	5.892928	5.913577	5.902086	6.217704	6.178156	6.233947	6.572048	6.475845	6.518021	6.480638	6.488798	6.474272	6.523316	6.52992	6.560288
PARP16	ENSG00000138617	-0.67961	4.799892	-7.53371	6.87E-07	3.99E-06	5.715749	4.820675	4.783088	4.986657	3.688057	3.844198	3.711713	4.339849	4.365678	4.252911	5.556156	5.54815	5.626259	5.027605	5.218837	5.146464	5.555628	5.460717	5.518482
PPCDC	ENSG00000138621	-0.66979	3.469392	-9.15015	4.42E-08	4.03E-07	8.747981	3.498536	3.777682	3.55495	2.933382	2.904251	2.865864	3.219115	3.178579	2.981126	4.19764	4.200477	4.358889	3.652319	3.652127	3.760608	4.161567	4.017531	3.984547
SEMA7A	ENSG00000138623	-1.14141	4.473991	-6.47351	5.00E-06	2.18E-05	3.527061	3.643304	3.695626	3.489013	1.393812	1.2379	1.123626	1.389995	1.231675	0.925731	7.974024	7.814576	8.001046	7.016723	6.836498	6.988917	7.808453	7.75689	7.736859
UBL7	ENSG00000138629	-0.02199	6.047449	-0.30168	0.766457	0.806192	-7.71194	6.072266	6.022963	6.017577	5.7563	5.732536	5.637476	5.894757	5.845426	5.738712	6.249332	6.187935	6.315861	6.439685	6.471053	6.434645	6.164504	6.177154	6.104461
ARHGAP24	ENSG00000138639	0.166344	2.410078	0.917945	0.371142	0.435829	-6.62264	2.798329	2.425906	2.514675	1.888135	1.768674	2.22781	2.303642	2.184314	2.309357	3.155466	3.223257	3.117748	3.551365	3.724396	3.644271	2.479639	2.518186	2.528753
FAM13A	ENSG00000138640	-0.11524	4.891265	-1.29703	0.211483	0.265797	-6.73698	4.538049	4.490417	4.636889	4.502891	4.529983	4.76722	4.4712	4.59693	4.490278	5.200749	5.681277	5.240153	5.196415	5.23377	5.103047	5.244639	5.574859	5.467465
HERC3	ENSG00000138641	0.842444	2.092653	7.572107	6.41E-07	3.75E-06	6.237718	1.755904	1.849715	1.54317	2.81607	2.155834	2.581827	2.226405	2.184314	1.962896	2.409929	2.437987	2.409144	3.057395	2.913535	3.147195	2.831347	2.726388	2.610232
HERC6	ENSG00000138642	-0.14247	4.487168	-2.41454	0.02697	0.04279	-4.97058	2.965042	3.100202	3.029452	2.864145	3.033076	3.03415	3.094248	2.938616	3.044176	6.13667	6.071149	6.067286	5.829386	5.980438	6.025238	6.457757	6.53312	6.521324
HERC5	ENSG00000138646	-1.36333	4.547259	-16.7415	3.35E-12	2.84E-10	18.25136	4.044416	3.888531	4.145977	3.255206	2.991399	2.904994	3.423261	3.646467	3.586306	6.174355	6.169921	6.225965	4.800613	4.794321	4.845411	6.145318	6.202839	6.146038
ZGRF1	ENSG00000138658	-1.97473	2.112331	-7.85072	3.91E-07	2.46E-06	6.769328	2.505419	2.802095	2.739267	1.578054	1.996426	1.880533	2.376953	2.728183	2.501332	3.358771	3.339557	3.001185	0.907968	1.766169	1.456457	3.16242	3.2466	3.215882
AP1AR	ENSG00000138660	0.339438	4.764003	3.090832	0.006471	0.011995	-3.52217	3.85351	4.12286	4.050156	4.96641	4.860273	4.869675	4.751751	4.734864	4.72003	4.954128	5.046155	5.030978	5.062552	5.032138	4.972896	5.323569	5.211838	5.201061
COPS4	ENSG00000138663	0.308997	5.382126	7.562035	6.53E-07	3.81E-06	5.701896	5.0569	5.188404	5.094055	5.456512	5.379635	5.380668	5.461262	5.404348	5.317474	5.305186	5.380746	5.351474	5.622454	5.745366	5.598492	5.55199	5.611658	5.612936
HNRNPD	ENSG00000138668	-0.24543	7.809578	-5.04586	9.17E-05	0.000274	0.366425	7.680027	7.658404	7.641248	7.271621	7.289317	7.294672	7.651381	7.716596	7.779065	8.115014	8.151204	8.151955	7.954258	7.999854	8.046867	8.064472	8.10972	8.118658
PRKG2	ENSG00000138669	-0.22048	1.890442	-1.67862	0.111014	0.151092	-5.54594	1.791852	2.49222	2.194417	2.143217	1.666451	1.669505	1.70672	1.658879	1.50602	2.790717	2.912585	2.714318	2.67247	2.797719	2.618601	2.229352	2.711397	2.528753
RASGEF1B	ENSG00000138670	0.94574	0.29672	4.904824	0.000124	0.000357	0.79748	0.41387	0.316291	0.219246	0.106501	0.25478	0.106501	0.269385	0.387194	0.106501	3.367773	3.478738	3.254982	4.379991	4.344933	4.460466	3.181381	2.934355	3.254409
SEC31A	ENSG00000138674	0.310496	8.005747	8.428231	1.45E-07	1.07E-06	7.015116	8.051146	8.075579	8.078204	8.293719	8.242765	8.287405	8.196914	8.152044	8.206376	7.684048	7.676371	7.657505	8.090134	8.074334	8.067277	7.773736	7.780425	7.821088
GPAT3	ENSG00000138678	0.571246	6.416193	1.862405	0.079444	0.112354	-6.03355	6.502012	6.62294	6.684422	8.25874	8.134451	8.079191	7.695933	7.610493	7.537518	5.589243	5.566627	5.677352	4.787617	4.743056	4.897167	5.932386	5.798808	5.796022
FGF2	ENSG00000138685	0.441301	1.67144	2.116078	0.048972	0.07303	-4.30068	7.995871	7.980599	7.980113	8.470089	8.417662	8.449611	8.136843	8.232997	8.08856	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
BBS7	ENSG00000138686	0.272934	4.18172	2.324254	0.032392	0.050394	-4.95584	3.967917	4.029182	4.042515	4.532944	4.726954	4.869675	3.814892	3.698786	3.746538	4.443094	4.411431	4.408771	4.298046	4.390067	4.56581	4.271827	4.343431	4.18401
KIAA1109	ENSG00000138688	0.309087	5.918942	4.430585	0.000344	0.000882	-0.80156	5.810559	5.860909	5.861303	5.980046	6.03393	6.204178	5.824425	5.80423	5.776337	5.969338	6.157786	5.665089	6.273446	6.305411	6.2631	5.726727	5.703538	5.765225
BMPR1B	ENSG00000138696	0.667136	2.790315	4.132501	0.000661	0.001567	-1.06842	1.642349	1.978677	1.54317	2.91067	2.811499	2.904994	1.389995	1.001115	1.171446	4.020609	4.051023	3.91004	4.454245	4.53375	4.516048	4.336692	4.357943	4.317368
RAP1GDS1	ENSG00000138698	0.213588	5.206642	3.248652	0.004593	0.008811	-3.266	4.949597	5.011285	4.990634	5.245847	5.20376	5.45506	5.032629	5.276779	4.994649	5.22572	5.188951	5.258407	5.354592	5.415021	5.308139	5.542855	5.405901	5.582975
LARP1B	ENSG00000138709	-0.24898	4.94268	-3.4061	0.003257	0.006469	-2.85382	5.139438	4.925889	4.962565	5.112883	4.70778	4.992837	5.157514	5.197177	5.2343	5.079966	5.043519	4.909182	4.577158	4.79096	4.569568	5.19652	5.126826	5.11295
PDE5A	ENSG00000138735	0.969484	1.608157	7.858545	3.85E-07	2.43E-06	6.524755	0.587539	1.226787	0.829201	0.52061	0.730585	0.657796	0.548589	0.387194	0.735084	4.043261	3.907656	3.872611	5.003078	4.9104	4.972896	3.685048	3.37582	3.509302
PRDM5	ENSG00000138738	-0.28343	1.042972	-1.34399	0.196139	0.248608	-5.59399	2.526909	2.068355	2.469799	2.393052	2.117603	2.098749	2.144798	2.540248	2.643847	1.199504	1.029669	1.188864	1.186687	0.986036	0.651457	1.387593	1.2488	0.93723
NAAA	ENSG00000138744	0.528097	3.266521	5.973393	1.35E-05	5.15E-05	3.003228	2.884092	2.853456	2.812981	3.605613	3.588725	3.247073	3.539581	3.619579	3.271973	3.265521	3.406729	3.36689	3.825085	3.772912	3.593499	3.630901	3.587665	3.641153
NUP54	ENSG00000138750	-0.44443	5.476165	-4.82587	0.000147	0.000414	0.141181	5.633672	5.659206	5.605332	4.694564	4.888929	4.707606	5.59402	5.506949	5.416114	5.776643	5.70649	5.704234	5.506677	5.620257	5.592963	5.796027	5.87478	5.902962
BMP2K	ENSG00000138756	0.667639	4.575119	6.570851	4.14E-06	1.86E-05	3.949637	4.117062	4.177623	4.174224	4.654117	4.594038	4.685302	4.938902	4.976535	4.88411	4.327889	4.521599	4.246333	5.034222	5.063124	5.168932	4.664377	4.609106	4.646745
G3BP2	ENSG00000138757	0.570751	7.610135	12.74864	2.78E-10	6.86E-09	13.53998	7.200137	7.212099	7.0858	7.864352	7.890583	7.853386	7.974349	8.095843	8.006507	7.148623	7.236717	7.139297	7.6101	7.630631	7.615272	7.866719	7.825937	7.867396
SEPTIN11	ENSG00000138758	0.537235	6.92444	4.161183	0.00062	0.001482	-1.48118	6.574748	6.60557	6.59844	7.665046	7.587351	7.71849	7.333456	7.326535	7.330738	6.664441	6.650558	6.58464	6.611037	6.685371	6.672491	6.733826	6.753115	6.773159
FRAS1	ENSG00000138759	0.939921	2.886186	5.539743	3.26E-05	0.000111	1.882271	2.165157	2.009193	2.248556	1.840866	2.03796	2.22781	1.160105	1.15884	0.735084	4.20268	4.394983	3.872611	5.134119	5.175668	5.200779	4.859472	4.680124	4.926702
SCARB2	ENSG00000138760	0.74705	8.054924	5.684955	2.42E-05	8.49E-05	1.728669	7.623171	7.663809	7.679318	8.974526	8.82268	8.964712	8.220757	8.278293	8.288419	7.663634	7.628808	7.625164	7.845901	7.895727	7.918314	7.975955	7.981644	8.043187
CCNG2	ENSG00000138764	0.867433	3.826286	10.45087	6.10E-09	7.96E-08	10.69851	3.100204	2.886707	3.090013	4.062381	3.722109	3.807755	3.423261	3.214961	3.357206	4.03198	4.407337	4.029643	4.792829	5.065909	5.031287	4.258497	4.391248	4.216898
CNOT6L	ENSG00000138767	-0.26506	4.978932	-2.6318	0.017212	0.028632	-4.47262	4.91334	5.102561	5.126945	5.20443	5.029402	5.257578	5.253102	5.141559	5.265504	5.12844	5.188951	4.990056	4.477091	4.70069	4.480563	5.110102	5.02441	5.077574
USO1	ENSG00000138768	0.066404	6.932903	1.103113	0.284935	0.346029	-7.22176	7.098846	7.125956	7.124316	7.254813	7.121975	7.230656	6.848198	6.827456	6.83374	6.816009	6.795455	6.758869	6.818221	6.872725	6.833513	6.874451	6.868259	6.909169
SHROOM3	ENSG00000138771	0.334164	5.112545	3.459211	0.002899	0.005838	-2.93983	4.059241	3.768792	3.773804	3.290819	3.643567	3.247073	2.667326	2.568641	2.697131	7.054894	7.093077	7.063465	7.587407	7.542424	7.544484	6.661395	6.755857	6.642477
ANXA3	ENSG00000138772	-0.72559	6.624667	-1.96615	0.06537	0.094535	-5.97896	7.984266	7.968517	7.894096	5.475981	5.596688	5.538302	6.051319	6.112173	6.025816	6.516467	6.420038	6.602612	7.141997	7.103648	7.171845	6.649529	6.635939	6.662909
PPA2	ENSG00000138777	0.188414	6.239712	4.910666	0.000122	0.000353	0.22469	6.268416	6.285444	6.283758	6.500859	6.3361	6.36717	6.311847	6.363784	6.443353	6.010153	6.023794	6.030584	6.227989	6.261152	6.303148	6.227433	6.251582	6.173105
CENPE	ENSG00000138778	-1.34414	3.237143	-5.11457	7.93E-05	0.000241	1.362548	3.643304	3.829904	3.55495	3.392671	3.34578	3.391835	4.302704	4.467202	4.505294	3.651939	3.735447	3.538032	1.667235	1.622273	1.695314	3.793775	3.644015	3.969186
GSTCD	ENSG00000138780	-0.853	3.85111	-8.87556	6.89E-08	5.83E-07	8.232878	3.593253	3.58855	3.28395	3.342644	3.225109	3.119801	3.523527	3.592179	3.357206	4.867929	4.939615	4.876465	4.002038	3.858903	3.8186	4.790139	4.710599	4.802199
INTS12	ENSG00000138785	-0.03272	4.786519	-0.49421	0.627312	0.681162	-7.41364	4.693417	4.738249	4.715879	4.40878	4.607895	4.562192	4.944941	4.722281	4.825493	4.977839	4.939615	5.037335	5.014278	5.020703	5.105638	5.036515	4.850589	4.918728
ENPEP	ENSG00000138792	0.550521	1.892081	4.397616	0.00037	0.00094	-0.24393	1.18244	0.661886	0.964748	1.519216	1.556428	1.840725	1.160105	1.430416	1.50602	3.275122	3.30476	3.305013	3.646572	3.688714	3.665494	3.133504	3.476789	3.487904
CASP6	ENSG00000138794	0.165871	4.40243	1.654202	0.115933	0.156991	-6.16923	4.066597	4.073175	3.764544	3.944346	3.820593	3.807755	4.111894	4.175703	4.189248	4.920876	5.016893	4.947938	5.235223	5.272852	5.186167	4.595365	4.710599	4.72199
LEF1	ENSG00000138795	0.642431	0.594988	2.984095	0.008146	0.014698	-3.22049	0.882475	0.8079	0.829201	0.258133	0.512209	0.746642	0.106501	0.253663	0.39151	2.635389	2.618839	2.592986	3.332595	3.263212	3.429496	2.706012	2.947209	2.990979
HADH	ENSG00000138796	-0.4483	5.405526	-6.17935	8.92E-06	3.60E-05	3.026179	5.788487	5.776943	5.710337	5.412733	5.342823	5.445139	5.736627	5.695778	5.735532	5.676959	5.525662	5.589242	5.172618	4.938017	5.11852	5.052051	5.115482	5.105943
EGF	ENSG00000138798	0.180387	2.803236	0.519196	0.610137	0.666373	-6.63848	4.428132	4.604738	4.553323	5.190356	5.1432	5.028711	4.528631	4.644388	4.599264	2.282443	1.967585	1.759838	0.787801	1.120667	0.910419	1.708352	1.795362	2.174206
PAPSS1	ENSG00000138801	0.12304	5.732726	1.72194	0.10273	0.141138	-6.2772	5.836608	5.831327	5.891391	5.667647	5.766907	5.646163	5.253102	5.380521	5.325957	5.77326	5.858184	5.829169	6.133567	6.165747	6.145923	5.70396	5.789916	5.696929
SEC24B	ENSG00000138802	0.065992	5.815457	1.360152	0.191068	0.243133	-6.7851	5.768329	5.754602	5.746061	5.687824	5.684306	5.722075	5.95585	5.75257	5.931692	5.834606	5.853677	5.785781	5.935709	6.013985	5.987815	5.85183	5.940538	5.944791
PPP3CA	ENSG00000138814	1.0698	5.496383	14.92693	2.20E-11	1.10E-09	16.29248	4.669462	4.804995	4.715879	6.041444	5.876854	6.094204	5.049544	5.053893	4.99996	5.508112	5.288033	5.356567	6.255623	6.300691	6.287262	5.745959	5.750126	5.767446
SLC39A8	ENSG00000138821	0.718214	5.549167	2.8016	0.012033	0.020811	-4.10744	5.611213	5.680694	5.571218	7.136235	6.911849	7.082791	7.377663	7.392547	7.339143	4.451587	4.494836	4.671058	3.974777	4.022628	4.046009	5.026064	4.936897	4.946447
FBN2	ENSG00000138829	-1.33576	3.302616	-6.51932	4.58E-06	2.01E-05	4.396935	7.830192	7.968517	8.034573	6.591112	6.510356	6.815216	7.701295	7.520697	7.554761	1.199504	1.265082	0.884879	0.407676	0.345231	0.533283	0.686723	0.69947	0.805046
MAPK8IP3	ENSG00000138834	0.575156	5.239225	8.602671	1.08E-07	8.40E-07	7.525203	4.548594	4.293732	4.647003	4.863733	4.894593	4.71863	4.185161	4.265167	4.512744	5.813348	5.898124	5.855788	6.550006	6.486722	6.527404	5.635142	5.832106	5.585495
RGS3	ENSG00000138835	-0.05377	4.506602	-0.86267	0.400003	0.465385	-7.19741	3.249862	3.057038	3.24453	3.487804	3.502343	3.03415	3.474265	3.833587	3.586306	5.691372	5.76526	5.741047	5.739109	5.552391	5.598492	5.988637	6.104426	6.077854
GUCD1	ENSG00000138867	0.03451	6.196721	0.611243	0.548907	0.608837	-7.58445	5.98179	6.002253	5.980067	6.229828	6.293865	6.198283	5.866398	5.851216	5.806958	6.510383	6.539897	6.491259	6.391535	6.426255	6.350875	6.319104	6.370866	6.298239
RNF185	ENSG00000138942	0.971009	6.26784	6.7332	3.03E-06	1.42E-05	4.06412	6.22141	6.304024	6.160332	7.594658	7.556423	7.650321	7.434574	7.34101	7.363038	5.272006	5.419887	5.320535	5.737758	5.786458	5.753539	5.402449	5.442675	5.472921
SHISAL1	ENSG00000138944	0.323558	0.559739	0.853006	0.405194	0.470349	-5.94513	4.941618	4.988492	5.094055	5.227586	5.20376	5.280077	5.510962	5.356295	5.261087	0.106501	0.106501	0.106501	0.294634	0.345231	0.106501	0.106501	0.19538	0.214669
B4GALNT3	ENSG00000139044	0.652814	3.240852	6.686512	3.32E-06	1.53E-05	4.158099	1.430644	1.374745	1.202741	2.359902	2.299368	2.374422	1.588238	1.15884	1.50602	4.977839	5.003394	5.058324	5.565727	5.556356	5.622205	5.660702	5.751959	5.547215
ERP27	ENSG00000139055	1.270012	0.349637	13.1867	1.62E-10	4.67E-09	14.38328	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.386642	4.463628	4.190389	5.652873	5.564254	5.64197	4.450484	4.559742	4.602629
ETV6	ENSG00000139083	0.486599	4.095463	4.951527	0.000112	0.000327	0.553028	2.815895	2.935191	2.621113	3.851999	3.855857	3.9455	3.137083	3.196885	3.023464	5.215784	5.046155	4.987869	5.291546	5.381888	5.414342	5.041713	4.987552	4.914724
GABARAPL	ENSG00000139112	1.625499	5.843797	13.28008	1.45E-10	4.33E-09	14.42811	6.624189	6.629094	6.447493	8.319273	8.266983	8.331158	7.421639	7.441347	7.516364	3.920163	4.029873	3.905414	5.150455	5.16532	5.215244	3.818209	3.822043	3.999746
KIF21A	ENSG00000139116	0.176758	6.056866	2.997514	0.007914	0.014325	-3.87722	6.595237	6.64861	6.590601	6.931482	6.931266	6.879249	6.768706	6.70969	6.698191	5.45208	5.473744	5.429264	5.489122	5.487419	5.441254	5.122419	5.391866	5.431488
CPNE8	ENSG00000139117	0.013633	4.850348	0.084572	0.933563	0.945646	-7.49373	4.712298	4.796272	4.835673	5.26388	5.3917	5.408166	5.639419	5.450851	5.497217	4.845549	4.916753	4.768526	4.32708	4.450973	4.165038	4.526597	4.641102	4.627304
YARS2	ENSG00000139131	-0.63434	5.718022	-13.0995	1.80E-10	5.03E-09	14.11909	5.930304	5.850414	5.990033	5.161789	5.226392	5.139498	5.55111	5.543171	5.537947	6.083021	6.187935	6.247143	5.613644	5.666849	5.645534	6.012657	6.004966	6.050746
FGD4	ENSG00000139132	0.375887	4.207287	2.316683	0.03289	0.051108	-5.00257	4.006674	3.61855	3.62825	3.51817	3.531716	3.584921	3.976929	4.157125	4.288067	4.64911	4.752166	4.649089	5.252352	5.265605	5.290032	4.386563	4.40994	4.292899
ALG10	ENSG00000139133	-0.88857	2.841843	-10.694	4.30E-09	5.98E-08	11.16951	2.688195	2.730641	2.399755	2.021307	2.117603	1.993763	2.607661	2.938616	2.588518	3.962373	3.970058	4.083875	3.228726	3.131201	3.064395	3.940112	3.88352	3.744016
SINHCAF	ENSG00000139146	-0.28396	6.753768	-4.69744	0.000193	0.000529	-0.32528	6.05942	6.192103	6.033084	5.499001	5.554381	5.538302	5.80795	5.9217	5.709835	7.737548	7.806048	7.763231	7.638969	7.617407	7.670992	7.748927	7.749571	7.82536
AEBP2	ENSG00000139154	-0.37578	5.120084	-4.86058	0.000136	0.000388	0.28781	5.300954	5.240779	5.393406	4.701197	4.86605	4.809079	5.356409	5.408281	5.556087	5.321493	5.288033	5.256592	5.071159	4.988782	5.003776	5.077578	5.101177	5.191165
ETFBKMT	ENSG00000139160	0.632523	1.264083	3.942831	0.001002	0.002268	-0.93506	1.642349	1.551021	1.585853	1.791994	1.909591	1.575618	1.459147	1.901414	1.564539	1.891119	1.725977	1.67541	2.466086	2.433888	2.276326	1.387593	1.766644	1.665483
ETNK1	ENSG00000139163	-0.48464	5.584168	-5.61268	2.80E-05	9.68E-05	1.804346	5.388667	5.355074	5.353819	5.195063	5.099733	5.234723	5.69423	5.698992	5.420081	6.214827	6.225628	6.134053	5.517738	5.526348	5.517157	5.78677	5.812922	5.906998
ZCRB1	ENSG00000139168	0.025648	5.62142	0.514779	0.613156	0.668799	-7.51169	6.136585	6.104721	6.144358	6.038828	6.044157	6.033699	6.02305	6.080481	6.028417	5.180457	5.181778	5.191584	5.254243	5.379652	5.352435	5.077578	5.314612	5.184529
TMEM117	ENSG00000139173	-0.06977	1.504906	-0.5214	0.608635	0.664835	-6.49146	2.589523	2.693541	2.600444	2.633943	2.881616	2.741673	2.26554	2.324112	2.239236	1.52331	1.752042	1.73919	1.365252	1.462417	1.456457	1.099384	1.478665	1.170016
PRICKLE1	ENSG00000139174	1.048779	4.944986	6.394071	5.84E-06	2.49E-05	3.520855	4.09565	4.14364	4.124423	5.452586	5.199191	5.352637	5.193472	5.263813	5.296047	4.954128	4.81224	4.8741	5.760552	5.740146	5.75519	4.584723	4.656838	4.670683
C1RL	ENSG00000139178	0.937251	3.639531	14.54397	3.35E-11	1.48E-09	15.97764	2.369288	2.748839	2.469799	3.325575	3.560502	3.523386	2.884002	3.335526	3.162566	4.082065	4.066685	4.046548	4.888451	4.913495	4.938437	4.496632	4.542904	4.607598
NDUFA9	ENSG00000139180	0.052061	2.820681	0.450647	0.657784	0.708196	-6.90564	3.17016	2.748839	2.900124	3.237064	2.970101	3.292047	3.115825	3.462004	3.271973	2.978724	2.841532	3.085394	2.842976	2.962168	2.821313	3.032701	2.921385	2.706008
CLSTN3	ENSG00000139182	1.565079	4.52485	11.56132	1.29E-09	2.30E-08	12.1605	3.27548	3.142112	3.217639	3.441022	3.31232	3.689474	3.238915	3.318907	3.468658	4.960093	5.079989	5.005268	6.81886	6.819276	6.824107	5.789862	5.840742	5.855713
VAMP1	ENSG00000139190	-0.21995	1.442241	-0.85419	0.404558	0.469763	-6.16604	2.9807	3.286138	2.848472	2.97776	3.033076	2.845893	3.539581	3.178579	3.4839	1.278001	1.190799	1.360915	1.018891	0.7293	1.17005	0.738851	0.637375	1.115245
TAPBPL	ENSG00000139192	0.469735	4.130272	6.464859	5.09E-06	2.21E-05	3.717863	3.408783	3.298545	3.565652	3.977507	3.901574	3.964146	3.137083	3.043491	3.389938	4.699893	4.712893	5.003104	5.227545	5.287239	5.198354	4.727016	4.90431	4.607598
PEX5	ENSG00000139197	-0.173	5.81133	-2.39495	0.028069	0.044326	-5.11693	5.82147	5.932317	5.906203	5.44865	5.4273	5.414959	5.347317	5.344028	5.412136	6.111435	6.076316	6.194078	6.206666	6.123609	6.12437	6.120972	6.063691	6.013792
AMIGO2	ENSG00000139211	0.002465	7.149904	0.022836	0.98204	0.985222	-7.86725	7.142136	7.086253	7.087657	7.581237	7.496235	7.571948	6.901967	6.956616	6.942549	7.374205	7.344504	7.379216	7.013377	6.943316	6.979768	6.997906	7.077103	7.013002
SCAF11	ENSG00000139218	-0.06526	7.114509	-1.74886	0.097855	0.135263	-6.3666	7.361337	7.330111	7.332117	7.36229	7.355491	7.397718	7.273525	7.247511	7.252803	7.032426	7.074477	6.965203	6.883198	6.906512	6.817011	6.853177	6.897528	6.914191
LLPH	ENSG00000139233	-0.0262	5.22647	-0.47666	0.639507	0.691767	-7.49877	5.316463	5.418975	5.319453	5.117849	5.114368	5.175948	5.29153	5.160337	5.304656	5.316853	5.231258	5.208582	5.361625	5.390798	5.33267	5.244639	5.217154	5.262209
RPL14P1	ENSG00000139239	-0.08029	1.517468	-0.55179	0.58808	0.645452	-6.50534	2.461454	2.283367	2.37563	2.325974	1.996426	2.098749	1.867984	2.324112	2.202855	1.891119	1.467416	1.759838	1.711947	1.897007	1.775589	1.571317	1.613793	1.910335
LRIG3	ENSG00000139263	-0.04722	4.759252	-0.37813	0.709889	0.756865	-7.46148	4.896929	5.048491	4.954444	4.502891	4.439897	4.434292	4.832157	4.981823	4.789145	4.896201	4.827642	4.895252	5.196415	5.112436	5.076884	4.77149	4.460128	4.536426
MARCHF9	ENSG00000139266	1.069319	2.237935	7.109472	1.49E-06	7.73E-06	5.317818	1.010037	0.736739	1.088647	2.359902	2.299368	2.258349	2.01302	1.809233	1.873138	2.955028	3.136872	3.276636	3.768	3.976023	3.892464	3.812139	3.571152	3.487904
GLIPR1	ENSG00000139278	1.447725	5.151466	13.69672	8.83E-11	3.00E-09	14.95337	4.730936	4.468622	4.681852	6.36336	6.319354	6.37764	6.100847	5.907876	6.128792	4.19764	4.117695	4.083875	5.09878	5.15751	5.217641	4.885721	4.860815	4.886383
PHLDA1	ENSG00000139289	-1.26976	7.764837	-8.94005	6.20E-08	5.31E-07	7.91373	8.61296	8.596387	8.611763	6.719166	6.867902	6.816499	7.76413	7.70145	7.782151	8.011482	8.047155	8.099762	7.244948	7.281254	7.26459	8.164939	8.15924	8.155598
TMEM19	ENSG00000139291	0.756697	3.658073	8.80802	7.69E-08	6.35E-07	8.262363	4.09565	4.014214	4.042515	4.955356	4.888929	4.884435	4.832157	4.843429	4.6676	2.664903	2.766797	2.86487	3.205461	3.253475	3.177059	3.001034	3.046116	3.065099
DUSP6	ENSG00000139318	-1.36995	5.036511	-4.87288	0.000133	0.00038	0.295703	3.895419	3.450822	3.511328	4.660937	4.376555	4.264152	4.384974	4.677356	4.72003	6.520509	6.575912	6.544295	4.549709	4.509412	4.562043	6.928759	6.8306	6.764286
POC1B	ENSG00000139323	-0.1514	4.331382	-1.67331	0.112069	0.15228	-6.02196	4.48962	4.47956	4.388298	4.733909	4.507984	4.627987	4.716879	4.819999	4.66091	4.417313	4.228596	4.32811	3.825085	4.028349	3.939687	4.353508	4.323851	4.422617
TMTC3	ENSG00000139324	0.182873	5.223207	2.68989	0.015237	0.025689	-4.37284	5.417718	5.485601	5.472309	5.71757	5.803491	5.767901	5.991301	5.948957	5.877902	4.871097	4.81224	4.629588	4.758606	4.882244	4.769032	4.841704	4.819468	4.902646
LUM	ENSG00000139329	4.769577	1.458032	7.657482	5.50E-07	3.30E-06	6.417835	0.41387	0.215206	0.421314	1.104644	1.437317	1.367251	1.317361	2.029503	1.727075	2.078238	1.989662	2.07201	6.710792	6.700679	6.799518	1.571317	1.581179	1.461048
SNRPF	ENSG00000139343	-0.87818	6.202329	-17.4195	1.74E-12	1.72E-10	18.85413	6.801072	6.831564	6.767886	5.800209	5.806499	5.727543	6.353309	6.476718	6.439449	6.401729	6.36937	6.428965	5.628298	5.710205	5.680705	6.274548	6.260621	6.259301
AMDHD1	ENSG00000139344	2.602342	1.957957	9.600437	2.18E-08	2.24E-07	9.517507	2.19231	2.403106	2.166567	4.99368	4.745876	5.089421	4.504297	4.533523	4.606245	0.7264	0.89579	0.807652	1.308151	1.428204	1.456457	1.13872	1.329561	1.115245
NEDD1	ENSG00000139350	-0.04748	6.05691	-0.27448	0.786933	0.822868	-7.64982	6.206505	6.170327	6.165618	6.836776	6.591051	6.659462	7.038149	7.10333	7.12131	5.834606	5.78275	5.794563	5.125882	5.093459	5.151487	5.467617	5.625718	5.701584
GAS2L3	ENSG00000139354	-0.77108	2.090307	-2.15803	0.045107	0.067749	-4.55539	2.725848	2.693541	2.579475	2.791417	3.188693	2.865864	3.440463	3.521314	3.4839	2.620402	2.604605	2.638296	1.154653	0.888753	1.08859	1.970607	2.233409	2.06284
SLC15A4	ENSG00000139370	0.611203	4.353775	7.728752	4.85E-07	2.95E-06	6.184051	4.09565	3.952741	4.050156	4.898777	4.776871	4.849758	4.348988	4.230044	4.270596	4.109157	4.200477	4.238998	4.618846	4.592857	4.653399	4.552316	4.584635	4.651565
TDG	ENSG00000139372	-0.94368	6.063671	-22.2051	2.98E-14	1.03E-11	22.9665	6.607897	6.689226	6.621703	5.815573	5.847955	5.809741	5.994216	6.116987	6.036192	6.615209	6.502	6.553195	5.564203	5.534411	5.499538	5.898412	5.916229	5.936917
RITA1	ENSG00000139405	0.316472	5.373356	5.823245	1.82E-05	6.65E-05	2.284397	4.981078	4.961437	5.071705	5.456512	5.529116	5.418344	5.490461	5.360361	5.396113	5.24783	5.370266	5.35826	5.551958	5.464391	5.570637	5.723497	5.786343	5.63013
SDSL	ENSG00000139410	0.247871	4.131211	1.739092	0.0996	0.137421	-5.95796	4.10996	4.249682	4.1812	4.440838	4.752128	4.351728	3.941119	3.232814	3.389938	4.20268	4.186209	4.268117	4.531115	4.394504	4.311352	4.414877	4.432969	4.515429
MMAB	ENSG00000139428	-0.45348	4.91962	-7.82567	4.08E-07	2.55E-06	6.308511	5.397444	5.407565	5.426074	4.97738	4.883243	4.798728	5.597858	5.571508	5.653661	4.779626	4.651904	4.791271	4.376523	4.354074	4.423569	4.774615	4.850589	4.749225
GLTP	ENSG00000139433	-0.0125	6.070547	-0.18006	0.859179	0.883623	-7.67757	6.830535	6.855904	6.893195	6.551287	6.693695	6.712811	6.881645	6.824516	6.874788	5.257549	5.336211	5.29777	5.497128	5.629696	5.41643	5.442295	5.341637	5.380146
GIT2	ENSG00000139436	0.459109	5.569213	5.416461	4.21E-05	0.000139	1.451213	5.958255	5.809819	5.796906	6.320926	6.135476	6.280554	6.473082	6.480459	6.458862	4.779626	4.833757	4.760864	5.302552	5.294379	5.280893	4.902958	4.975054	5.019105

TCHP	ENSG00000139437	-0.32289	5.108531	-5.83757	1.77E-05	6.50E-05	2.415482	5.682365	5.496413	5.544416	5.245847	5.375591	5.159862	5.910274	5.929932	5.951015	4.809665	4.77459	4.745417	4.499582	4.438137	4.444184	4.9115	4.90431	4.946447
FAM222A	ENSG00000139438	-1.03742	3.4435	-4.55406	0.000263	0.000696	0.093283	4.284124	4.366251	4.553323	4.041626	4.020303	3.878271	4.393833	4.070428	4.261781	3.196464	3.406729	3.738597	1.935792	1.921808	2.07955	3.560228	3.698248	3.498643
NUP58	ENSG00000139496	-0.9468	6.830684	-22.2905	2.79E-14	1.02E-11	23.0241	7.419943	7.368867	7.377619	6.462335	6.283111	6.448879	7.451643	7.454721	7.466405	6.820933	6.809485	6.810504	5.917927	5.995119	5.875427	7.064529	7.06167	7.116848
MTMR6	ENSG00000139505	-0.17967	5.451461	-3.12591	0.005997	0.011194	-3.53653	5.772833	5.796758	5.717553	5.643745	5.634408	5.640377	5.919505	5.913422	5.860491	5.240498	5.409689	5.388409	5.152484	5.154897	5.047545	5.156356	5.101177	5.19777
SLC46A3	ENSG00000139508	2.113229	0.11025	6.413264	5.63E-06	2.41E-05	4.189758	3.975752	4.029182	3.764544	6.176088	5.986987	6.059941	5.879071	5.868449	5.897954	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SLC7A1	ENSG00000139514	-0.60022	7.363132	-6.80083	2.67E-06	1.27E-05	4.060649	7.947387	7.899941	8.003424	7.139902	7.239007	7.216145	8.200073	8.135531	8.193687	7.234789	7.151159	7.132386	6.785909	6.681745	6.705311	7.032907	6.998236	7.012065
LNX2	ENSG00000139517	0.379516	4.436343	7.375008	9.16E-07	5.08E-06	5.454595	3.928091	3.888531	3.979882	4.254996	4.284653	4.379778	3.965091	3.698786	3.783962	4.877414	4.992502	4.86698	5.289704	5.381888	5.136365	4.793224	4.84029	4.806527
SUOX	ENSG00000139531	0.668322	3.966614	9.388326	3.03E-08	2.91E-07	9.053637	3.361722	3.405656	3.25779	3.933121	3.784444	3.936085	3.879385	3.564249	3.890739	4.177304	4.242453	4.186581	4.831335	4.934974	4.836082	4.32395	4.348284	4.261717
TARBP2	ENSG00000139546	0.009425	5.333616	0.180741	0.85865	0.88327	-7.61146	5.49062	5.449895	5.350729	5.404628	5.539998	5.411567	5.590171	5.368459	5.512161	5.312197	5.303538	5.361641	5.372111	5.303845	5.290032	5.224213	5.092525	5.2872
NABP2	ENSG00000139579	-0.1329	5.53075	-2.29557	0.034317	0.053099	-5.20975	5.847324	5.920324	5.908307	5.839819	5.845033	5.885062	5.757368	5.899518	5.875015	5.302841	5.242793	5.341234	5.121745	5.020703	5.100452	5.496293	5.334317	5.406045
SMARCC2	ENSG00000139613	0.455763	6.738777	10.88127	3.29E-09	4.86E-08	11.02034	6.429698	6.338981	6.550756	6.911603	7.010339	6.912032	6.612415	6.530034	6.462714	6.64606	6.717402	6.659351	7.111553	7.057531	7.078012	6.819532	6.844408	6.859005
BRCA2	ENSG00000139618	-1.93842	3.384929	-9.48925	2.59E-08	2.58E-07	9.383226	3.895419	3.920993	4.050156	2.955742	3.053471	3.168853	3.747379	3.698786	3.844255	4.30464	4.490971	4.32811	2.314863	1.993753	1.970087	4.057652	4.134537	3.937965
KANSL2	ENSG00000139620	-0.36442	5.368431	-5.33298	5.01E-05	0.000162	1.253631	5.567812	5.528369	5.477985	5.408686	5.274966	5.118843	5.198536	5.416115	5.383978	5.676959	5.413777	5.63327	5.125882	5.098907	5.255457	5.616106	5.515684	5.567757
CERS5	ENSG00000139624	0.386839	4.986635	7.146461	1.39E-06	7.29E-06	4.968009	4.811948	4.961437	4.840087	5.250376	5.157403	5.024275	4.591583	4.843429	4.758139	4.942125	5.014203	4.959141	5.440132	5.377412	5.441254	5.067422	5.006099	5.11644
MAP3K12	ENSG00000139625	1.730354	3.062295	6.491437	4.83E-06	2.11E-05	4.09091	2.688195	2.49222	2.109199	4.904536	4.950037	4.864722	2.607661	2.676938	2.588518	2.763691	2.865607	2.756026	3.825085	3.544454	3.68641	3.043104	3.022017	3.241681
ITGB7	ENSG00000139626	-0.03732	-0.57308	-0.13768	0.89207	0.911721	-6.35882	0.41387	0.410755	0.323815	0.395333	0.25478	0.3528	0.670238	1.231675	0.39151	1.278001	1.265082	1.188864	1.392977	0.986036	1.390007	1.286141	1.16325	1.370407
GALNT6	ENSG00000139629	0.158664	2.591196	2.469228	0.024112	0.038749	-4.91206	0.216396	0.410755	0.512639	0.52061	0.512209	0.657796	0.269385	0.509405	0.256032	6.737447	6.782077	6.7434	6.935392	6.842193	6.902174	7.133088	7.175969	7.17072
CSAD	ENSG00000139631	0.030732	3.151234	0.209894	0.836178	0.86421	-7.09467	3.662849	3.61855	3.871922	4.142539	3.934936	4.241401	3.178682	3.023117	3.236418	3.403229	3.470912	2.983737	2.949505	2.824271	3.085545	2.494877	2.755911	2.880366
LMBR1L	ENSG00000139636	2.16278	3.978904	20.41571	1.23E-13	2.43E-11	21.40777	2.245129	2.513665	2.326135	4.746789	4.607895	4.849758	4.376062	4.194045	4.093134	3.411958	3.241771	3.360144	5.196415	5.01783	5.222422	4.871197	4.729324	4.775955
MYG1	ENSG00000139637	-0.15193	5.882923	-2.45486	0.024834	0.039806	-4.98159	6.232898	6.175382	6.155027	5.85774	5.95482	6.031491	5.97958	6.045554	6.262951	5.901221	5.714797	5.915671	5.812803	5.748835	5.740264	5.642002	5.52857	5.649533
ESYT1	ENSG00000139641	0.590731	6.774479	11.82884	9.03E-10	1.77E-08	12.36525	6.374462	6.291664	6.254291	6.97318	7.057803	7.111303	6.892623	6.823043	6.794548	6.658034	6.538026	6.52633	7.076718	6.974026	7.027678	6.957229	6.946362	6.912185
TMBIM6	ENSG00000139644	0.450752	9.704586	4.715595	0.000186	0.000511	-0.46285	9.186929	9.200713	9.160747	9.995752	9.93545	9.967784	10.02599	10.00284	9.995171	9.644166	9.60235	9.584134	9.748524	9.755203	9.754937	9.705733	9.699738	9.749202
ANKRD52	ENSG00000139645	-0.57596	7.892305	-7.98426	3.09E-07	2.02E-06	6.231331	8.442157	8.417751	8.46621	7.788524	7.875627	7.896496	7.843868	7.6829	7.729574	8.096519	8.04518	7.973964	7.486063	7.426433	7.531538	7.894633	7.791159	7.788094
ZNF740	ENSG00000139651	-0.15641	5.887414	-1.68699	0.109371	0.149069	-6.34612	5.983734	6.013586	6.009761	5.320976	5.446705	5.513197	5.777814	5.656635	5.680369	6.045645	6.174747	6.137016	6.27158	6.273249	6.218323	5.950461	5.954929	6.002519
WDFY2	ENSG00000139668	0.137454	5.766018	2.328245	0.032132	0.050036	-5.12624	6.704182	6.752599	6.801098	6.993586	6.892168	7.006136	6.785632	6.76748	6.651711	4.626786	4.902278	4.760864	4.818614	4.707838	4.829829	4.743057	4.808944	4.857474
HNRNPA1L	ENSG00000139675	0.130259	1.435169	0.78732	0.441641	0.505976	-6.42191	1.235614	1.226787	1.406977	1.933905	1.666451	1.757653	1.70672	1.901414	1.727075	2.338465	2.303453	2.272125	1.973006	2.190279	2.34809	2.317694	2.37332	1.910335
LPAR6	ENSG00000139679	0.198545	0.354815	0.859212	0.401855	0.467218	-5.98731	1.791852	2.068355	1.78216	2.291228	2.193078	2.346268	2.058296	1.988058	1.564539	0.7264	0.89579	0.76743	0.5125	0.671977	0.760679	0.517985	0.816175	0.497646
ESD	ENSG00000139684	0.210843	6.270888	3.622999	0.002024	0.004251	-2.58065	6.487014	6.595549	6.38542	6.515985	6.601477	6.645089	6.943283	6.785736	6.811259	5.64954	5.739435	5.738449	5.923879	6.160546	5.996216	6.179906	6.051838	6.024978
RB1	ENSG00000139687	-0.07731	5.685645	-1.08506	0.292636	0.354122	-7.09609	5.391599	5.375715	5.38134	5.615935	5.634408	5.602196	5.715585	5.692556	5.559688	6.038616	5.987229	5.91452	5.667135	5.694099	5.697974	6.007353	5.896482	5.991156
SBNO1	ENSG00000139697	-0.64558	6.685674	-9.5881	2.22E-08	2.27E-07	9.061335	6.897029	6.952304	6.944323	6.279424	6.182532	6.35309	7.035321	7.105754	7.061612	6.91835	6.963128	6.956844	6.291051	6.327622	6.326654	6.718492	6.598745	6.695945
SETD1B	ENSG00000139718	0.393155	6.005451	5.241692	6.06E-05	0.000191	0.966903	5.79071	5.848305	5.895639	6.406612	6.552164	6.470234	6.040078	6.007169	6.041352	5.747627	5.832457	5.911063	6.146858	5.961126	5.930525	6.027141	6.014158	5.894855
VPS33A	ENSG00000139719	0.266772	4.573542	3.783025	0.001423	0.00309	-1.94532	4.772011	4.872944	4.917323	5.355021	5.162106	5.352637	4.877071	4.894793	4.989319	4.256985	4.242453	4.220495	4.298046	4.372183	4.27499	4.236002	4.30899	4.073428
VPS37B	ENSG00000139722	-0.24489	6.690479	-2.32587	0.032287	0.050247	-5.35046	6.54214	6.600568	6.626822	5.913065	6.03393	5.986596	6.404611	6.203275	6.40983	7.203077	7.192789	7.381716	7.287114	7.245476	7.275559	6.904002	6.763145	6.7271
RHOF	ENSG00000139725	-0.86155	7.401528	-4.09816	0.000712	0.001674	-1.67199	8.502384	8.438221	8.492739	7.045329	7.121975	6.975445	6.96425	6.993736	6.975272	7.373647	7.256768	7.456749	7.069756	7.004096	7.041273	7.575233	7.55021	7.557823
DENR	ENSG00000139726	-0.5281	7.285619	-10.0611	1.08E-08	1.26E-07	9.750758	7.464475	7.500222	7.48441	6.948306	6.904851	6.89634	7.396517	7.434614	7.400667	7.618151	7.581895	7.616346	7.081518	7.118474	7.139345	7.208391	7.228247	7.292199
DIAPH3	ENSG00000139734	-0.94218	3.597609	-7.3233	1.01E-06	5.52E-06	5.651739	4.059241	3.952741	4.167214	3.688057	3.441741	3.535905	4.552561	4.474723	4.3476	3.792275	3.884278	3.951019	2.791825	2.686334	2.633039	3.799922	3.786722	3.530388
SLAIN1	ENSG00000139737	1.916157	2.827398	11.51153	1.38E-09	2.42E-08	12.30322	1.430644	1.780637	1.406977	3.753334	3.630051	3.666886	3.571163	3.285084	3.406029	2.605258	2.516115	2.460504	3.86027	3.799921	3.837423	3.52355	3.347011	3.375875
RBM26	ENSG00000139746	-0.17624	6.013932	-3.85292	0.001221	0.002695	-2.03804	6.511476	6.440439	6.531778	6.222931	6.214581	6.295356	6.660922	6.609051	6.62102	5.669698	5.633002	5.597869	5.565727	5.487419	5.54032	5.62479	5.678704	5.778504
MBNL2	ENSG00000139793	-0.15588	5.494679	-0.65082	0.523628	0.585311	-7.41924	6.431123	6.498057	6.51669	5.536571	5.367468	5.451761	5.891633	5.935393	6.031013	5.026968	4.97047	4.90687	5.691062	5.70128	5.716735	4.545014	4.755137	4.577525
ZIC5	ENSG00000139800	-0.54885	1.600147	-2.60806	0.018087	0.02992	-3.59242	2.996191	3.310847	3.190238	3.325575	2.811499	2.805104	3.352323	3.26787	3.143496	1.586365	1.369793	1.360915	0.656707	0.784432	0.910419	1.354562	1.2488	1.461048
ABHD13	ENSG00000139826	0.22811	4.559098	2.775489	0.012718	0.021888	-4.06145	4.688657	4.769782	4.734969	5.161789	5.029402	5.106307	5.282018	5.241941	5.313214	4.109157	4.34876	4.075663	4.207266	4.288839	4.189664	4.280646	4.134537	4.274271
RAB20	ENSG00000139832	0.427344	5.419806	3.809672	0.001342	0.002933	-1.91559	6.726412	6.678585	6.701506	7.361243	7.31805	7.361253	6.943283	6.949886	6.999336	4.13575	4.087306	4.067404	3.965575	3.970091	4.062102	3.871719	3.808018	3.571657
GRTP1	ENSG00000139835	0.152244	2.695008	1.665942	0.113545	0.154051	-5.8094	1.927307	1.744817	1.987129	1.688986	1.996426	1.993763	2.696258	2.108984	2.440135	3.599408	3.715716	3.794706	3.845296	3.946112	3.837423	4.010719	3.903444	4.014786
CUL4A	ENSG00000139842	-0.33494	7.670123	-4.76746	0.000166	0.000464	-0.18229	8.582818	8.601403	8.590959	8.200244	8.210776	8.320796	8.906578	8.912666	8.919799	6.922174	6.915633	6.910271	6.52673	6.612974	6.654912	6.821799	6.744856	6.867315
TTC6	ENSG00000139865	1.141949	0.605551	5.406289	4.30E-05	0.000141	2.261792	1.336422	1.591918	1.30847	2.48816	2.299368	2.825643	1.70672	1.658879	1.727075	0.982259	1.029669	0.807652	1.27873	1.203912	1.129895	0.837776	0.924142	0.580851
CDH24	ENSG00000139880	0.376018	3.709611	3.464906	0.002863	0.005777	-2.61313	2.725848	3.027527	3.148134	2.577385	2.835252	2.557474	3.072345	3.141256	3.124172	4.61171	4.529155	4.554757	5.174616	4.953134	5.13383	4.743057	4.710599	4.59264
REM2	ENSG00000139890	0.024842	-0.99057	0.092648	0.927237	0.940608	-6.52282	0.106501	0.316291	0.598525	0.258133	0.25478	0.2349	0.106501	0.106501	0.256032	1.646779	1.529011	1.631268	1.473091	1.871771	1.550722	1.482378	1.406038	1.461048
CBLN3	ENSG00000139899	0.955389	1.413303	7.992019	3.05E-07	2.01E-06	7.019554	1.719036	1.631689	1.62731	2.143217	2.229385	2.557474	1.762502	1.605065	1.564539	1.704765	1.827525	1.439812	2.24051	2.451029	2.449456	1.784732	1.737342	1.739782
NOVA1	ENSG00000139910	1.401302	2.480962	6.779908	2.78E-06	1.31E-05	4.807115	2.568952	2.534795	2.423483	4.281793	4.030628	4.372816	3.315502	3.285084	3.406029	1.676063	1.725977	2.038602	2.178139	2.344993	2.465679	2.368215	2.37332	2.374055
TMX1	ENSG00000139921	0.229191	6.225855	2.630597	0.017255	0.028697	-4.69685	5.440544	5.480165	5.458019	5.910205	5.989635	6.044692	6.330422	6.223506	6.293548	6.543532	6.47975	6.549493	6.469288	6.626238	6.54755	6.69477	6.709457	6.64731
FRMD6	ENSG00000139926	0.019079	6.570407	0.08779	0.931041	0.943557	-7.78367	7.320388	7.197266	7.245746	6.392338	6.45968	6.345999	7.023954	7.136902	7.180976	5.887203	5.91264	5.712202	6.720398	6.694395	6.68467	6.318033	6.135644	6.198027
PELI2	ENSG00000139946	0.558035	-0.72666	2.856659	0.010702	0.01875	-2.87383	3.011517	3.260998	3.296854	3.77864	3.6964	3.776446	4.274204	4.019913	4.132351	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RTN1	ENSG00000139970	0.163962	1.115494	0.654854	0.521088	0.583066	-6.11241	6.523553	6.539156	6.519445	6.798628	6.647485	6.593624	7.556939	7.472674	7.578916	0.106501	0.106501	0.106501	0.106501	0.190544	0.106501	0.183756	0.106501	0.106501
SYT16	ENSG00000139973	-0.14813	1.103661	-1.15297	0.26445	0.3242	-6.34369	0.667115	0.499412	0.421314	0.635873	1.164793	0.657796	0.548589	0.509405	0.735084	3.576295	3.390227	3.254982	3.031169	3.310934	3.167173	3.307556	3.366281	3.421736
SLC38A6	ENSG00000139974	0.283602	2.988119	2.672285	0.015811	0.026544	-3.86246	3.498536	3.768792	3.511328	3.944346	3.967543	4.178918	3.676552	3.736817	3.808383	2.679436	2.485369	2.756026	2.749557	2.581279	2.604018	2.464239	2.429363	2.464474
NAA30	ENSG00000139977	-0.07911	5.220915	-1.9113	0.072506	0.103675	-5.87568	5.263039	5.10962	5.277754	5.12773	5.104628	5.085168	5.049544	5.122533	5.097318	5.395984	5.403536	5.403251	5.354592	5.341097	5.350253	5.44622	5.314612	5.442654
DCAF5	ENSG00000139990	0.200236	6.08366	3.486559	0.00273	0.005541	-2.90515	5.618738	5.569905	5.560557	5.543969	5.514478	5.660525	5.697811	5.767957	5.633301	6.5195	6.500079	6.381454	6.778045	6.770613	6.805107	6.509315	6.547964	6.542236
RAB15	ENSG00000139998	1.739738	3.664894	19.17804	3.50E-13	5.09E-11	20.47929	2.19231	1.978677	1.818408	3.898911	4.030628	4.071231	2.933443	2.511284	2.846105	4.172174	4.117695	3.986493	5.62099	5.572109	5.624013	4.430811	4.525868	4.515429
WDR89	ENSG00000140006	-0.24471	4.68707	-3.64371	0.001933	0.004086	-2.33811	4.837972	4.804995	4.706239	4.290615	4.213935	4.323123	4.402637	4.357565	4.339245	5.12844	5.000678	5.047868	4.948071	4.956139	5.023089	4.96719	5.042491	5.022829
KCNH5	ENSG00000140015	0.342614	-0.96245	1.073003	0.297862	0.359529	-5.8414	0.318509	0.316291	0.421314	0.52061	0.106501	0.657796	0.415731	0.253663	0.106501	1.239286	1.112482	1.094478	1.548989	1.428204	1.247156	1.286141	1.072305	1.058313
STON2	ENSG00000140022	-0.12242	0.572962	-0.98544	0.337853	0.40174	-6.59421	0.318509	0.8079	0.679585	0.395333	0.512209	0.3528	0.106501	0.253663	0.256032	3.536933	3.633975	3.439082	3.513977	3.338827	3.478287	2.924322	2.726388	2.81313
EFCAB11	ENSG00000140025	-0.71145	2.315597	-6.33043	6.62E-06	2.78E-05	3.917101	3.026682	3.273623	2.916938	2.325974	2.549605	2.763128	2.696258	2.596487	2.440135	2.664903	2.714733	2.806521	2.129525	2.016959	2.161508	2.539649	2.518186	2.570068
GPR65	ENSG00000140030	0.914173	0.747382	4.61228	0.000232	0.000623	0.683656	6.101207	5.938276	5.929176	6.994936	6.844685	6.921604	6.640598	6.723961	6.714435	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PTGR2	ENSG00000140043	-0.35063	2.588667	-2.78075	0.012577	0.021666	-3.60104	3.19722	3.59862	2.865896	2.864145	2.686486	2.805104	2.858632	2.825515	3.124172	2.722179	2.969234	2.627101	2.638129	2.612083	2.449456	2.554269	2.741225	2.649309
JDP2	ENSG00000140044	0.066514	3.98083	0.146425	0.885262	0.906131	-7.31108	5.086148	5.018804	5.064177	3.633621	3.502343	3.608819	4.673889	4.819999	4.726452	3.471629	3.250939	3.38694	4.96664	4.982902	4.869998	2.968656	2.770449	2.830235
FBLN5	ENSG00000140092	0.906919	-0.28112	3.880949	0.001148	0.002551	-0.77227	2.19231	2.009193	1.987129	2.91067	2.762786	2.924168	2.724622	2.420731	2.530983	0.190076	0.259702	0.16959	0.234608	0.26996	0.263213	0.257084	0.358227	0.409347
CLBA1	ENSG00000140104	0.345899	4.101748	4.212096	0.000555	0.001345	-1.05423	3.87042	3.695626	3.773804	3.875646	3.867423	3.584921	2.981245	2.960209	3.271973	4.742042	4.672521	4.835713	5.308023	5.149657	5.171406	4.650836	4.596923	4.546811
WARS1	ENSG00000140105	-0.04063	9.692313	-0.14642	0.885264	0.906131	-7.9996	9.957326	9.98764	9.994676	10.94356	10.90129	10.96397	10.31659	10.29765	10.30682	9.324169	9.255266	9.34021	8.140326	8.213292	8.223016	9.385471	9.458465	9.491241
WDR20	ENSG00000140153	-0.29063	5.178709	-4.68655	0.000198	0.00054	-0.11143	5.086148	5.120143	5.006431	4.784753	4.662026	4.651187	5.342749	5.376512	5.412136	5.481405	5.407641	5.498474	5.22369	5.221337	5.243746	5.492503	5.469653	5.481066
NIPA2	ENSG00000140157	0.398097	6.285655	7.038082	1.71E-06	8.66E-06	4.652778	6.634125	6.720684	6.663402	7.249167	7.139968	7.231619	7.319577	7.293955	7.284701	5.376047	5.368161	5.36838	5.570287	5.579922	5.609485	5.697389	5.623718	5.806864
SLC12A6	ENSG00000140199	0.555828	4.584613	7.998666	3.02E-07	1.99E-06	6.568405	4.158957	4.043996	3.906009	4.43289	4.186495	4.651187	4.000319	3.89093	3.924645	5.060666	5.160041	4.918395	5.682663	5.665014	5.568761	4.902958	4.762428	4.793504
MFAP1	ENSG00000140259	-0.02052	6.022125	-0.44275	0.663377	0.713308	-7.63998	6.040867	6.146502	6.019525	6.257092	5.952107	6.089965	5.985453	6.020078	5.895106	6.063762	6.056844	6.089887	6.020359	6.021175	5.996216	6.058246	6.057777	6.03792
TCF12	ENSG00000140262	0.650435	6.281098	8.001206	3.00E-07	1.98E-06	6.421701	6.343004	6.368704	6.380882	7.314427	7.212045	7.294672	6.744671	6.834781	6.680109	5.658737	5.551865	5.558634	5.893872	5.981913	5.968021	5.908404	5.894824	5.84102
SORD	ENSG00000140263	-0.06056	5.977178	-0.95024	0.354945	0.419402	-7.27098	6.237793	6.228223	6.269099	5.890028	5.970993	5.97285	5.958837	6.087856	5.94552	5.933409	5.862677	5.988557	6.02147	6.111532	6.071023	5.841437	5.798808	5.824043
SERF2	ENSG00000140264	0.502056	8.256778	7.280167	1.09E-06	5.91E-06	4.913267	8.505094	8.492218	8.483598	9.190548	9.302767	9.159824	8.563644	8.438796	8.568607	7.773556	7.662266	7.648536	7.968724	7.981539	7.948208	7.626721	7.714758	7.686675
ZSCAN29	ENSG00000140265	0.324559	5.607872	6.149717	9.46E-06	3.78E-05	2.937557	5.626225	5.523092	5.633581	5.768983	5.905185	5.926062	5.973684	5.954347	6.02321	5.215784	5.353339	5.276432	5.652873	5.568187	5.673739	5.515099	5.451724	5.453733
LYSMD2	ENSG00000140280	1.915846	3.054025	11.69332	1.08E-09	2.01E-08	12.54135	2.416107	2.308123	2.300736	4.640378	4.529983	4.440963	3.988671	3.761625	3.808383	2.282443	2.032826	2.16783	3.259174	3.436722	3.272365	3.39137	3.236163	3.31642
SLC27A2	ENSG00000140284	0.083273	3.838298	0.562731	0.580765	0.638653	-7.13664	3.975752	4.108838	3.783005	4.502891	4.447623	4.460795	3.507292	4.090149	3.708117	3.818776	4.024536	3.839044	3.629193	3.871689	3.478287	3.906321	3.948889	3.840032
GCNT3	ENSG00000140297	-0.86799	2.998536	-1.98277	0.063336	0.091957	-5.11926	4.232739	4.184325	3.88052	4.464421	4.537243	4.447604	3.388228	3.491964	3.162566	3.673879	3.470912	3.867863	1.392977	1.393161	1.355599	2.611312	2.518186	2.326628
BNIP2	ENSG00000140299	0.03827	6.021892	0.951209	0.354468	0.418943	-7.21603	6.667162	6.73559	6.758588	6.783082	6.675717	6.798429	6.780575	6.906053	6.921714	5.300492	5.27236	5.227237	5.280456	5.334185	5.310386	5.315009	5.394214	5.40033
GTF2A2	ENSG00000140307	-0.1863	5.993766	-4.35369	0.000407	0.001022	-0.9279	6.516856	6.484546	6.507006	6.250324	6.159196	6.250487	6.662755	6.717636	6.678454	5.565966	5.498975	5.542338	5.430131	5.451674	5.479705	5.690788	5.716735	5.726921
SRP14	ENSG00000140319	0.027789	7.633537	0.917081	0.371582	0.436202	-7.46313	7.934882	7.943552	7.895687	7.912301	7.875627	7.876333	7.826798	7.743309	7.7929	7.425759	7.419097	7.404434	7.475971	7.532896	7.507743	7.319008	7.318815	7.335521
BAHD1	ENSG00000140320	0.480939	4.988356	6.980018	1.90E-06	9.52E-06	4.681983	4.91334	4.783088	4.857612	5.479843	5.661235	5.363212	5.213624	5.093515	5.304656	4.779626	4.735932	4.601264	5.060393	4.991713	4.989822	5.02344	4.920695	4.865793
DISP2	ENSG00000140323	0.904049	1.593757	4.757703	0.00017	0.000472	0.788432	1.681202	1.978677	1.888281	2.633943	2.299368	1.880533	2.102195	1.760835	1.727075	1.278001	1.672391	1.73919	2.542344	2.23054	2.465679	2.417026	2.233409	2.091498
CDAN1	ENSG00000140326	-0.01354	4.688962	-0.20284	0.841604	0.868746	-7.44572	4.97718	4.843609	5.064177	5.036268	5.029402	5.187896	5.257962	5.048863	5.269907	4.509673	4.479316	4.460144	4.34138	4.317159	4.333621	4.390642	4.49118	4.416967
TLE3	ENSG00000140332	-0.64329	6.558298	-6.60583	3.87E-06	1.75E-05	3.732176	6.924614	6.943443	7.147653	6.352868	6.555743	6.347775	6.57201	6.438765	6.521134	6.644208	6.671194	6.75951	6.041316	6.006758	6.038856	6.824817	6.813152	6.736203
ANP32A	ENSG00000140350	0.066995	7.453704	0.923233	0.368456	0.43339	-7.45085	7.209304	7.214556	7.138722	7.474946	7.476546	7.490681	7.296144	7.29608	7.327573	7.559449	7.52351	7.572519	7.412201	7.431839	7.451324	7.811119	7.783564	7.850728
COMMD4	ENSG00000140365	-0.26403	5.900857	-3.95191	0.000982	0.002229	-1.83042	6.374462	6.326918	6.322134	6.225234	6.327751	6.302701	5.97958	5.924449	6.004837	5.992802	5.821729	5.981981	5.583883	5.451674	5.414342	5.571885	5.51784	5.549799
UBE2Q2	ENSG00000140367	0.838879	5.560653	14.28553	4.48E-11	1.81E-09	15.58197	5.648453	5.644701	5.549817	6.305774	6.293865	6.213949	5.866398	5.868449	5.848765	4.748949	4.827642	4.765977	5.741807	5.672341	5.869343	5.231053	5.292118	5.299535
ETFA	ENSG00000140374	-0.28894	6.707091	-6.96114	1.97E-06	9.82E-06	4.468983	7.837735	7.787251	7.726578	7.573125	7.616773	7.52012	7.872669	7.86349	7.857956	5.865123	5.795338	5.884278	5.50509	5.468605	5.433027	5.879669	5.764723	5.802537
HMG20A	ENSG00000140382	0.399527	6.142455	6.743654	2.97E-06	1.40E-05	4.031494	5.823643	5.973524	5.878573	6.171319	6.059364	6.180453	6.054115	6.136086	6.02321	6.141927	6.134444	6.06625	6.65177	6.546751	6.645152	6.148935	6.127197	6.183125
SCAPER	ENSG00000140386	0.556725	3.460641	6.03709	1.18E-05	4.60E-05	3.039327	2.996191	2.886707	2.883112	3.425084	3.643567	4.018682	3.219115	3.196885	3.00245	3.962373	3.799336	3.748962	4.287006	4.1851	4.155068	3.678389	3.903444	3.753014
TSPAN3	ENSG00000140391	0.399587	8.026743	5.872841	1.65E-05	6.12E-05	2.116926	8.009293	8.022807	7.91098	8.648402	8.609371	8.619501	7.999957	8.062539	8.075414	7.797071	7.798251	7.787317	7.97447	7.970066	7.93516	7.740961	7.781771	7.842848
WDR61	ENSG00000140395	0.05905	6.398401	0.755056	0.46027	0.523821	-7.50447	6.405248	6.50744	6.432954	6.290462	6.123468	6.154304	6.210201	6.085402	6.222635	6.575937	6.47291	6.463992	6.798921	6.774022	6.843635	6.362324	6.318652	6.44842
NCOA2	ENSG00000140396	0.793483	5.515803	15.60574	1.06E-11	6.63E-10	17.03021	4.888652	4.817982	4.749122	5.633379	5.525471	5.556848	5.300979	5.188055	4.989319	5.546278	5.665936	5.426038	6.352354	6.326461	6.317744	5.812844	5.826899	5.973944
NEIL1	ENSG00000140398	0.482677	1.127477	2.708436	0.014654	0.024832	-3.51626	1.235614	1.551021	1.954926	1.634586	1.556428	1.422231	1.317361	1.15884	1.50602	1.940223	1.827525	1.696985	2.579013	2.381211	2.141451	1.482378	1.82352	1.504318
MAN2C1	ENSG00000140400	0.133454	6.170206	2.0126	0.059826	0.087387	-5.82829	6.543459	6.451593	6.577441	6.504656	6.630615	6.65373	6.522384	6.322697	6.462714	5.998609	5.938407	5.837692	6.090826	6.093908	6.12947	5.428474	5.670976	5.590523
DNAJA4	ENSG00000140403	-0.326	1.846689	-5.47098	3.76E-05	0.000125	1.476929	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	7.798736	7.686543	7.646112	7.440292	7.352537	7.34736	7.689324	7.698695	7.763817
TLNRD1	ENSG00000140406	-0.55502	4.431379	-4.24164	0.00052	0.001272	-0.94986	4.749336	4.893538	5.049003	4.245952	4.462952	4.315882	4.034706	4.050434	4.252911	4.58494	4.655361	4.806238	4.135224	4.250194	4.21867	4.945171	4.79123	4.567359
TPM1	ENSG00000140416	0.94614	7.42954	9.930604	1.32E-08	1.50E-07	9.534032	7.458197	7.420868	7.45521	7.96009	8.000368	8.024717	7.283092	7.178949	7.273781	6.786103	6.804824	6.763989	8.070148	8.100368	8.08904	7.030949	7.062409	7.132446
IGF1R	ENSG00000140443	0.567581	7.224252	10.22688	8.47E-09	1.04E-07	10.02163	7.439197	7.472429	7.501928	8.159285	8.146368	8.257482	7.611118	7.522513	7.551148	6.674452	6.729752	6.522559	7.090012	6.962866	7.070738	6.539939	6.450892	6.527891
ARRDC4	ENSG00000140450	-0.26528	4.569153	-4.73333	0.000179	0.000494	0.031355	3.613482	3.61855	3.871922	3.688057	3.378481	3.643939	3.814892	3.84524	4.093134	5.538326	5.566627	5.542338	5.28231	5.265605	5.222422	5.908404	5.919494	5.780706
PIF1	ENSG00000140451	-0.86515	0.750012	-2.7301	0.013999	0.023837	-3.22797	1.959273	1.780637	1.78216	1.840866	1.768674	1.757653	2.513265	1.901414	2.471058	1.52331	1.112482	1.248523	0.562188	0.550009	0.404558	1.784732	1.613793	1.222783
USP3	ENSG00000140455	0.035728	6.002578	0.480108	0.637104	0.689692	-7.60929	5.887335	6.007931	5.808216	6.303597	6.142633	6.148201	6.059692	6.124179	6.114173	5.988432	5.995435	5.960958	5.775111	5.796551	5.857096	6.175184	6.095794	6.224144
BBS4	ENSG00000140463	0.008236	4.603984	0.068225	0.946381	0.955775	-7.38519	5.5935	5.718121	5.607923	5.338099	5.235346	5.425089	5.590171	5.581992	5.504708	3.614613	3.66174	3.691009	4.114557	4.230476	4.046009	3.737235	3.822043	3.650813
PML	ENSG00000140464	-0.01922	5.91547	-0.23603	0.816149	0.847693	-7.7387	5.509634	5.471972	5.571218	5.312338	5.248674	5.219282	5.043928	4.80814	4.825493	6.598099	6.574087	6.643465	6.748839	6.671727	6.739905	6.683176	6.671231	6.638841
CYP1A1	ENSG00000140465	1.642132	4.766496	6.288331	7.19E-06	2.99E-05	3.182932	3.783815	3.676739	3.668523	2.740812	2.549605	2.719893	2.752438	2.938616	3.044176	5.747627	5.9054	6.131084	8.048793	7.988893	8.041128	6.205603	5.891503	5.872323
LINS1	ENSG00000140471	-0.17519	3.570327	-1.51152	0.148526	0.195207	-6.1107	3.509372	3.461896	3.371944	3.342644	3.170134	3.510758	3.747379	4.299455	3.586306	3.772076	3.997554	3.990867	3.675081	3.652127	3.837423	3.70484	3.93605	3.906054
ULK3	ENSG00000140474	0.272818	5.563799	5.915845	1.51E-05	5.68E-05	2.418192	5.220808	5.275715	5.356903	5.444703	5.507103	5.596232	5.233498	5.246342	4.973208	5.823198	5.818649	5.81197	6.17108	6.059398	6.081589	5.62652	5.791698	5.685225
PCSK6	ENSG00000140479	0.366617	0.108543	1.138334	0.270345	0.33046	-5.66061	4.574623	4.538284	4.616447	4.869634	5.003429	4.97456	4.56045	4.547856	4.512744	0.190076	0.106501	0.106501	0.106501	0.106501	0.186984	0.257084	0.106501	0.106501
SCAMP2	ENSG00000140497	0.200311	7.310757	6.122136	9.99E-06	3.96E-05	2.668884	6.981173	6.927553	6.947395	7.137458	7.219961	7.211275	7.052205	6.880799	6.945304	7.585245	7.50782	7.584506	7.75835	7.703063	7.719151	7.563988	7.520416	7.520109
HAPLN3	ENSG00000140511	0.125341	1.608215	0.708196	0.488162	0.551248	-6.4681	2.392887	2.009193	1.954926	2.633943	2.03796	2.5075	1.816207	1.85606	1.826075	1.787595	1.8028	2.243088	1.711947	2.016959	2.121111	1.85727	2.146913	1.942153
RHCG	ENSG00000140519	0.381043	-0.9305	1.68147	0.110452	0.150485	-4.90868	3.071243	2.886707	2.865896	3.376187	3.378481	3.432575	3.158032	3.043491	3.254305	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
POLG	ENSG00000140521	-0.31927	5.817362	-4.81053	0.000152	0.000427	0.031682	5.655787	5.480165	5.690917	5.342348	5.367468	5.411567	5.32896	5.224202	5.18386	6.423477	6.427133	6.370587	6.115998	6.050991	5.989218	6.465512	6.370866	6.308955
FANCI	ENSG00000140525	-2.22312	5.773969	-9.58486	2.23E-08	2.28E-07	9.205478	6.216459	6.265041	6.110041	5.190356	5.221894	5.089421	5.937792	5.813157	6.046494	6.953903	6.939221	6.982326	4.076593	4.10073	3.957004	6.51119	6.570985	6.576851
ABHD2	ENSG00000140526	1.194235	7.413521	18.19753	8.41E-13	1.02E-10	19.51848	6.353566	6.343478	6.406409	7.686095	7.735131	7.847748	6.817254	6.788756	6.800647	7.509993	7.619547	7.509903	8.576012	8.561372	8.602621	7.486542	7.439147	7.535183
TICRR	ENSG00000140534	-2.36234	3.796558	-7.2393	1.17E-06	6.29E-06	5.468965	3.87042	3.952741	4.003689	3.342644	3.574682	3.485165	3.814892	3.913244	3.924645	5.1881	5.22894	5.076957	1.99126	2.169719	2.294605	5.010245	4.987552	4.98132
DET1	ENSG00000140543	-0.21947	2.638689	-2.17723	0.043434	0.065512	-4.69547	3.613482	3.61855	3.371944	3.441022	3.278066	3.472196	3.370387	3.659726	3.543305	2.510897	2.212518	2.473063	2.209661	2.148862	2.07955	2.417026	2.315011	2.174206
MFGE8	ENSG00000140545	1.003064	6.333494	3.940299	0.001007	0.002279	-1.92377	5.53637	5.627592	5.571218	7.506528	7.537544	7.369145	5.760796	5.740142	5.703339	6.162765	6.222136	6.137016	6.482252	6.441343	6.427415	6.70954	6.730057	6.69944
ZNF710	ENSG00000140548	0.036876	4.647425	0.560757	0.582081	0.639804	-7.42346	4.02189	4.051346	3.955676	3.688057	4.030628	3.954853	3.788265	3.711575	3.721038	5.520274	5.407641	5.478369	5.650003	5.538426	5.483693	5.687476	5.684473	5.513196
UNC45A	ENSG00000140553	0.713093	6.261341	10.14915	9.50E-09	1.13E-07	9.960931	5.468578	5.562207	5.538996	6.430757	6.679002	6.433907	5.900984	6.025209	5.959217	6.337886	6.315766	6.357099	6.856686	6.823395	6.832732	6.533497	6.570985	6.44148
MCTP2	ENSG00000140563	-0.45469	2.692601	-3.37432	0.003491	0.006881	-2.79792	1.286899	1.277811	0.898566	2.063099	1.768674	1.757653	1.525136	1.082132	0.833554	5.09088	5.054034	5.037335	4.467344	4.385617	4.595601	4.862412	5.006099	4.96205
FURIN	ENSG00000140564	0.787018	8.135015	2.385156	0.028634	0.045119	-5.3325	7.028082	7.163748	7.115238	9.243478	9.3612	9.32108	8.423064	8.273988	8.413083	8.276085	8.253963	8.375589	7.805854	7.749696	7.727164	8.072429	7.998338	7.934184
IQGAP1	ENSG00000140575	0.546299	7.840096	5.892634	1.58E-05	5.91E-05	2.178192	7.449783	7.431469	7.465961	8.406069	8.291337	8.421635	8.150627	8.239082	8.206376	7.505412	7.539031	7.454376	7.675056	7.688684	7.694412	7.878022	7.859473	7.885408
CRTC3	ENSG00000140577	1.071321	5.849619	9.322608	3.36E-08	3.19E-07	8.795384	5.987614	5.996553	5.939499	7.400488	7.294681	7.401144	7.199673	7.077629	7.243878	4.58494	4.490971	4.369004	5.094564	4.985845	4.970056	5.249139	5.271824	5.332922
EFL1	ENSG00000140598	0.265649	4.206086	4.365803	0.000397	0.000999	-0.62748	4.212988	4.164126	4.16017	4.440838	4.416469	4.537503	4.245129	4.428995	4.279358	4.151473	4.228596	4.260892	4.404034	4.51757	4.398437	4.01601	4.227036	4.044405
SEC11A	ENSG00000140612	0.443119	7.207844	13.17026	1.65E-10	4.72E-09	14.08494	6.625435	6.682141	6.650893	7.12024	7.132797	7.206388	6.868994	6.948536	6.914701	7.269426	7.31803	7.322655	7.698159	7.716858	7.674485	7.550379	7.587634	7.640148
GLYR1	ENSG00000140632	0.003661	7.452384	0.08747	0.931292	0.943682	-7.87269	7.762168	7.738565	7.768869	7.884161	7.869888	7.875102	7.832511	7.761871	7.779838	7.263409	7.171822	7.208528	7.117797	7.077673	7.109972	7.001911	7.025007	7.0518
PMM2	ENSG00000140650	-0.11354	6.189128	-2.72236	0.01423	0.024186	-4.49177	6.600314	6.549574	6.456147	6.396431	6.350594	6.386308	6.371361	6.401762	6.367315	5.928855	6.065964	6.0621	5.97522	5.984858	5.893528	5.968311	5.940538	6.076062
TGFB1I1	ENSG00000140682	1.361463	1.15234	6.766165	2.85E-06	1.35E-05	4.854442	0.814199	1.002471	1.202741	2.143217	2.264801	1.526279	1.317361	2.184314	2.005764	1.490718	1.265082	1.360915	2.129525	2.21055	2.330481	2.034568	2.274787	1.877799
RUSF1	ENSG00000140688	0.205191	6.809867	2.871017	0.01038	0.018251	-4.25589	7.074426	7.123343	7.188041	7.218288	7.149473	7.12897	7.260265	7.226503	7.250577	6.415903	6.368317	6.337486	6.79438	6.724662	6.68813	6.288825	6.344388	6.243427
ARMC5	ENSG00000140691	-0.4744	4.507749	-4.35249	0.000408	0.001023	-0.63785	5.367978	5.413282	5.528093	4.797189	4.831037	4.518705	5.213624	5.224202	5.252213	3.864012	3.901847	4.246333	3.830164	3.927863	3.910354	4.226905	4.288934	4.058989
PARN	ENSG00000140694	0.244352	5.821794	3.421173	0.003151	0.006284	-2.97122	5.999192	5.996553	6.021469	6.090264	6.005424	6.121455	6.153955	6.173542	6.276143	5.411303	5.444072	5.52284	5.892659	5.806573	5.858632	5.616106	5.426702	5.45649
FTO	ENSG00000140718	0.191023	5.553607	3.898804	0.001104	0.002467	-1.89161	5.946343	6.022963	6.031155	6.279424	6.071915	6.25428	5.712047	5.595854	5.690258	5.190639	5.226618	5.225382	5.361625	5.366162	5.441254	5.031299	4.978189	5.130317
UQCRC2	ENSG00000140740	-0.14159	6.908204	-1.32898	0.200943	0.253997	-6.87714	8.411073	8.420237	8.36607	7.989512	7.990485	8.006842	8.21452	8.262628	8.25882	5.671517	5.631248	5.647191	5.859507	5.90936	5.882997	5.255863	5.467424	5.425873

CDR2	ENSG00000140743	0.562354	5.150888	10.39972	6.57E-09	8.38E-08	10.48249	4.996565	5.033724	5.187095	5.687824	5.694082	5.590242	5.104539	5.276779	5.202407	5.052315	4.818421	4.947938	5.484298	5.434541	5.435088	4.811595	4.833383	4.886383
ARHGAP17	ENSG00000140750	1.098985	5.914775	4.609513	0.000234	0.000626	-0.33582	5.862195	5.922329	5.778624	7.774441	7.722449	7.754419	6.695365	6.478589	6.603683	5.200749	5.077414	5.191584	5.192476	5.173088	5.217641	5.144327	5.098298	5.109451
DHX38	ENSG00000140829	-0.11758	6.486253	-2.65076	0.016542	0.027627	-4.69404	6.341489	6.279197	6.323711	6.095309	6.142633	6.081451	6.239981	6.288964	6.218085	6.910671	6.834859	6.826497	6.870927	6.78251	6.754835	6.753756	6.656631	6.654531
TXNL4B	ENSG00000140830	-0.0804	4.736366	-1.06049	0.303356	0.365634	-6.97613	4.339825	4.281283	4.370098	4.041626	4.204846	4.162865	4.825625	4.547856	4.578115	5.233128	5.181778	5.317056	5.160571	5.221337	5.267074	5.139487	5.248648	5.171166
MARVELD3	ENSG00000140832	-0.14491	0.663026	-0.93831	0.360872	0.425594	-6.78209	0.587539	0.316291	0.106501	0.258133	0.25478	0.106501	0.269385	0.106501	0.515351	4.290508	4.214605	4.331562	4.072312	4.250194	4.189664	4.147172	4.156841	3.992166
ZFHX3	ENSG00000140836	0.135585	5.514628	1.327223	0.201512	0.254592	-6.78149	5.729467	5.860909	5.914599	6.105344	6.149755	6.258063	5.374422	5.327507	5.202407	5.524305	5.601093	5.162801	5.372111	5.32724	5.422676	5.235596	5.238226	5.055925
CPNE2	ENSG00000140848	0.479522	5.253407	7.417864	8.47E-07	4.76E-06	5.484761	5.45743	5.538865	5.429007	6.100335	6.137866	6.096318	5.67619	5.564476	5.751363	4.877414	4.722812	4.755733	5.121745	5.043483	5.034009	4.691084	4.736746	4.567359
NLRC5	ENSG00000140853	-0.23229	5.334696	-2.23897	0.038431	0.058699	-5.31311	5.288426	5.188404	5.267957	5.400559	5.450555	5.541409	5.147073	5.25073	5.278673	5.710958	5.599299	5.620625	5.09878	5.098907	5.110805	5.48107	5.611658	5.542033
KATNB1	ENSG00000140854	0.340344	5.027791	3.236602	0.004715	0.009023	-3.27699	4.789897	4.796272	4.835673	5.375899	5.57921	5.246196	4.487843	4.562048	4.72003	5.136363	5.016893	5.204822	5.401413	5.13912	5.31263	5.151556	5.384796	5.187851
KIFC3	ENSG00000140859	-0.52472	7.497156	-5.7314	2.20E-05	7.83E-05	1.930472	9.061851	9.01254	9.102913	8.206668	8.466486	8.206514	9.195215	9.157221	9.216062	6.093911	6.135682	6.194078	6.02701	5.910909	5.950836	6.556373	6.393349	6.282789
NUDT7	ENSG00000140876	-0.57806	-0.15507	-2.17998	0.043199	0.065198	-4.14563	2.080492	2.232543	2.326135	1.578054	1.612488	1.669505	1.525136	1.430416	1.50602	0.483018	0.695454	0.639567	0.352262	0.671977	0.812339	0.457048	0.2791	0.214669
GCSH	ENSG00000140905	0.145333	1.728638	0.904887	0.37783	0.442459	-6.37953	2.19231	2.206444	2.492412	2.021307	2.229385	1.840725	1.588238	1.809233	2.202855	1.891119	2.285719	2.183199	2.385571	2.533802	2.544166	2.211015	1.878239	1.81044
CMTM3	ENSG00000140931	0.444942	5.188149	2.653265	0.016455	0.027518	-4.45536	5.836608	5.745568	5.731878	5.521661	5.687572	5.494077	5.578564	5.599299	5.574002	4.323269	4.242453	4.338442	5.372111	5.399654	5.386919	4.758922	4.894388	4.684858
CDH11	ENSG00000140937	1.457033	4.080366	16.66343	3.62E-12	3.00E-10	18.18604	2.345296	2.534795	2.274882	3.162124	3.48743	3.391835	3.539581	3.160038	3.373665	4.652797	4.623947	4.640764	6.142782	6.15271	6.080272	5.498185	5.326959	5.29338
NOL3	ENSG00000140939	0.890955	5.541168	7.23036	1.19E-06	6.37E-06	5.104066	5.443372	5.474709	5.767078	6.659117	6.877943	6.729256	5.949855	5.943547	5.970082	4.634266	4.739193	4.768526	5.229468	5.236244	5.257788	5.323569	5.292118	5.073988
MAP1LC3B	ENSG00000140941	0.905976	6.279325	13.43762	1.20E-10	3.71E-09	14.52295	6.040867	5.981241	5.95179	7.106565	7.018142	7.088114	7.145632	7.206314	7.118871	5.373815	5.409689	5.396673	6.038027	6.144832	6.077636	6.13076	6.066639	6.109724
MBTPS1	ENSG00000140943	0.694541	7.303488	14.24848	4.67E-11	1.86E-09	15.3884	6.75173	6.753726	6.758588	7.629847	7.658146	7.628568	7.052205	7.04516	7.048858	7.265819	7.294945	7.251537	7.786387	7.795707	7.814864	7.367415	7.348187	7.385557
CDH13	ENSG00000140945	2.510573	1.69338	5.88388	1.61E-05	6.00E-05	3.208317	6.679208	6.720684	6.624265	9.224612	9.21326	9.287233	8.225106	8.237978	8.36964	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
ZCCHC14	ENSG00000140948	0.691855	5.243533	8.403814	1.51E-07	1.10E-06	7.221475	4.051848	4.087546	4.222364	5.097883	5.124043	5.122998	5.071794	5.122533	5.087374	5.544294	5.5776	5.430875	5.994577	6.012542	6.067042	5.894108	5.842463	5.806864
MEAK7	ENSG00000140950	0.218506	5.637618	1.731208	0.101028	0.139122	-6.28393	5.272612	5.164879	5.116065	4.765896	4.825118	4.67402	4.274204	4.61746	4.296723	6.311303	6.303701	6.331464	6.904423	6.786736	6.766341	6.58869	6.553228	6.576851
OSGIN1	ENSG00000140961	-1.52314	6.37678	-11.6783	1.10E-09	2.04E-08	12.31084	8.496609	8.448696	8.570847	6.665914	6.957206	6.679347	8.593748	8.49628	8.565029	5.242946	5.152722	5.378429	4.386902	4.190213	4.199397	5.191852	5.015283	5.11295
RHOT2	ENSG00000140983	-0.18082	6.537255	-2.5168	0.02186	0.035492	-4.95893	6.471859	6.483188	6.556133	5.966346	6.239272	6.002468	6.375839	6.357695	6.423728	6.668089	6.786024	6.89285	6.849825	6.731693	6.797917	6.800495	6.867414	6.692441
ZSCAN32	ENSG00000140987	-0.13678	5.003327	-1.9743	0.064365	0.09328	-5.71479	5.32262	5.201677	5.1197	4.714371	4.900234	5.059385	5.055139	5.169636	5.087374	5.024124	4.981528	5.064562	4.929259	5.05754	5.105638	4.919992	5.140881	5.033946
RPS2	ENSG00000140988	-0.28933	10.44598	-9.04149	5.27E-08	4.63E-07	7.928682	10.8917	10.89271	10.91084	10.54596	10.61177	10.49457	10.78873	10.68855	10.75678	10.32851	10.24614	10.20984	9.998807	10.04712	10.0433	10.1853	10.22856	10.17816
NDUFB10	ENSG00000140990	0.084211	6.420559	1.375105	0.186471	0.237984	-6.81577	6.755148	6.802456	6.840189	7.036177	7.090245	6.910831	6.900414	6.79177	6.916106	5.946988	5.873106	6.025264	5.842013	5.915547	5.960886	6.164504	6.127197	6.000631
PDPK1	ENSG00000140992	0.011407	6.23821	0.181118	0.858359	0.883146	-7.75368	5.966143	5.926333	5.947704	6.025677	6.23258	6.172458	6.391403	6.310139	6.21352	6.43637	6.401631	6.481191	6.296566	6.33341	6.291819	6.473226	6.351658	6.391939
TIGD7	ENSG00000140993	0.095097	3.553334	1.576123	0.132924	0.177203	-6.31385	1.861169	2.152784	1.706811	2.103714	2.366112	2.317553	1.966276	1.901414	1.826075	5.554185	5.624209	5.51223	5.730985	5.589628	5.51326	5.406484	5.482955	5.472921
DEF8	ENSG00000140995	0.255641	5.805187	5.793387	1.94E-05	7.00E-05	2.162152	5.611213	5.620197	5.75544	5.960829	6.013255	5.835287	6.020192	5.932665	5.970082	5.627223	5.68973	5.704234	5.957922	5.844361	5.912885	5.799099	5.851038	5.866117
TCF25	ENSG00000141002	0.642266	6.476374	15.03491	1.95E-11	1.00E-09	16.34185	6.143557	6.146502	6.174385	6.790876	6.887915	6.766914	6.337326	6.284691	6.466555	6.287782	6.329896	6.37394	6.935392	6.947096	6.955561	6.428296	6.339522	6.284342
GALNS	ENSG00000141012	0.648629	4.983171	6.865797	2.36E-06	1.15E-05	4.452265	5.011887	4.889442	5.064177	5.704425	5.766907	5.674746	4.751751	4.860754	4.940438	4.513734	4.595438	4.606974	5.22369	5.076992	5.074241	5.015537	4.971913	4.815144
GAS8	ENSG00000141013	0.364113	5.405254	8.703809	9.13E-08	7.31E-07	7.734379	5.446195	5.523092	5.458019	5.775282	5.794432	5.814886	5.32896	5.495903	5.50844	5.233128	5.21963	5.087205	5.601813	5.550404	5.528785	5.153958	5.240838	5.167806
MED9	ENSG00000141026	-0.17008	4.350218	-2.86069	0.010611	0.018614	-3.88539	4.772011	4.719916	4.749122	4.591236	4.58706	4.48682	4.437325	4.413424	4.482711	4.364327	4.190981	4.382382	4.245787	4.174819	4.124741	4.285035	4.338561	4.255399
NCOR1	ENSG00000141027	0.41613	7.074364	7.094514	1.54E-06	7.93E-06	4.641724	6.949694	6.8891	6.960633	7.516904	7.440219	7.538123	7.483113	7.510671	7.477869	6.770066	6.765378	6.625998	7.014493	6.947851	6.988215	6.893979	6.918892	6.850646
COPS3	ENSG00000141030	-0.51479	6.804764	-12.5402	3.60E-10	8.32E-09	13.3149	6.831615	6.837953	6.839086	6.371699	6.467301	6.358386	6.758454	6.868004	6.927299	7.223676	7.091164	7.165166	6.559977	6.608206	6.609092	7.072803	6.992822	7.146171
GID4	ENSG00000141034	0.327996	3.653616	3.929606	0.001031	0.002324	-1.44236	3.643304	3.741788	3.576275	3.875646	3.820593	3.907468	3.457463	4.090149	3.946814	3.544892	3.66174	3.445469	3.865227	3.846002	4.007743	3.842237	3.72088	3.840032
ZNF287	ENSG00000141040	0.574181	2.048863	3.98687	0.000909	0.002083	-1.00482	2.245129	2.332462	2.5366	2.325974	2.490996	2.652511	1.459147	2.029503	2.127218	2.121457	2.267764	2.328504	2.930712	2.863205	2.95373	2.384669	2.568968	2.252429
MYOCD	ENSG00000141052	0.292306	-1.82933	1.213361	0.241135	0.298548	-5.44133	1.791852	1.883052	1.818408	2.021307	1.817192	2.481849	1.459147	1.809233	1.620777	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
KSR1	ENSG00000141068	0.038584	4.800362	0.306213	0.76306	0.803028	-7.47865	5.071598	5.099019	5.183625	5.355021	5.407631	5.657664	4.702691	4.610649	4.613192	4.663802	4.732663	4.796278	4.457531	4.54975	4.512148	4.736662	4.617172	4.61255
UTP4	ENSG00000141076	0.019626	6.693242	0.616888	0.545262	0.605454	-7.63185	6.165988	6.187107	6.196933	6.254839	6.245934	6.297196	6.460489	6.322697	6.357005	7.096779	7.116466	7.064503	7.061142	7.080429	7.061428	7.284349	7.253693	7.241155
RANBP10	ENSG00000141084	-0.01675	5.596746	-0.36433	0.719978	0.765493	-7.59106	5.922218	5.902145	5.914599	5.743505	5.882565	5.887507	5.872748	5.819078	5.857568	5.44359	5.305739	5.422805	5.479457	5.334185	5.455539	5.255863	5.438129	5.362617
GFOD2	ENSG00000141098	0.19679	5.271735	4.490231	0.000303	0.000787	-0.57079	5.111261	5.198371	5.176661	5.147291	5.338674	5.30589	5.267633	5.206241	5.174497	5.321493	5.305739	5.334367	5.568769	5.560311	5.587414	5.315009	5.309644	5.350812
NOB1	ENSG00000141101	-0.54729	6.946165	-9.14019	4.50E-08	4.08E-07	8.296854	7.272689	7.276237	7.281079	6.456466	6.562874	6.508848	6.848198	6.831855	6.760534	7.224915	7.154216	7.280406	6.869695	6.859948	6.861371	7.054279	7.031811	7.115977
PRPSAP2	ENSG00000141127	-0.32254	5.578636	-7.11729	1.47E-06	7.64E-06	4.841704	5.468578	5.620197	5.549817	5.342348	5.171467	5.359696	5.672555	5.653324	5.690258	5.795112	5.914084	5.821823	5.498724	5.524325	5.420597	5.832469	5.777374	5.864042
PCTP	ENSG00000141179	0.255708	5.257643	2.376433	0.029146	0.045849	-5.04203	5.214199	5.140963	5.144898	5.92161	5.751385	5.921298	5.272444	5.192623	5.188519	5.274401	5.26106	5.359952	5.219825	5.173088	5.141424	5.031299	5.048468	5.084719
TOM1L1	ENSG00000141198	0.132168	5.629054	1.504145	0.1504	0.197392	-6.52341	6.289001	6.233079	6.162096	6.075025	6.156841	5.951983	6.153955	6.157275	6.036192	4.983707	4.96212	4.956908	5.387698	5.366162	5.483693	5.14915	5.179522	5.21089
C17orf80	ENSG00000141219	0.090696	5.494549	1.602063	0.12706	0.170326	-6.41477	5.187459	5.269425	5.16615	5.190356	5.128856	5.106307	5.37889	5.356295	5.416114	5.800109	5.667648	5.722758	5.96602	5.871668	5.890527	5.745959	5.879817	5.758539
TOB1	ENSG00000141232	1.187819	6.510168	11.4727	1.45E-09	2.52E-08	12.02606	7.282987	7.384229	7.438567	8.789682	8.615814	8.669712	8.970518	8.864094	8.980161	4.227618	4.260723	4.171248	5.014278	5.071461	4.952895	5.046891	5.057388	4.965925
VPS53	ENSG00000141252	-0.03154	5.741252	-0.62044	0.542973	0.603524	-7.43438	6.518198	6.544374	6.58929	6.500859	6.362903	6.516764	6.548402	6.656119	6.634741	5.006941	5.043519	4.996595	5.066862	5.009177	5.084783	4.925625	4.984438	4.926702
SGSM2	ENSG00000141258	1.038572	5.824031	9.66661	1.97E-08	2.06E-07	9.278669	5.282121	5.127117	5.281005	6.6194	6.670775	6.58612	6.146113	6.068104	6.176476	5.378276	5.459973	5.46271	6.138693	6.087072	6.140881	5.448178	5.631703	5.625238
NPEPPS	ENSG00000141279	0.166443	7.610742	2.654932	0.016398	0.027431	-4.78898	7.554203	7.587496	7.571279	7.757836	7.699176	7.736905	6.926594	7.019677	7.053973	7.774402	7.791198	7.798587	7.937294	7.977479	7.971473	7.665534	7.653331	7.657023
LRRC46	ENSG00000141294	0.831634	0.896819	4.099453	0.00071	0.001671	-0.50136	1.286899	1.591918	1.358564	2.021307	1.909591	2.029614	1.588238	1.001115	2.202855	1.028404	1.335727	1.387696	1.858352	1.622273	1.775589	1.320757	1.329561	1.370407
SCRN2	ENSG00000141295	0.199012	4.716976	1.154268	0.263929	0.323702	-6.78181	5.479641	5.493717	5.503257	5.222985	5.190008	5.155812	5.444307	5.462247	5.37991	3.844798	3.866492	4.147939	4.761267	4.756906	4.688381	3.678389	3.992947	3.961444
SSH2	ENSG00000141298	0.020328	4.811097	0.251538	0.804332	0.83725	-7.49341	4.712298	4.835117	4.808898	5.062262	4.860273	5.230878	5.055139	5.043815	4.967798	4.886838	4.995233	4.803754	4.715338	4.682664	4.735974	4.736662	4.695442	4.7174
RHBDL3	ENSG00000141314	0.274423	-1.74393	1.352458	0.193469	0.245705	-5.28502	1.927307	1.81559	2.109199	2.21912	2.155834	2.258349	1.917967	1.710758	1.674905	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ARSG	ENSG00000141337	0.263764	3.274322	1.453287	0.163863	0.212405	-6.03742	3.397161	3.732673	3.745844	4.472198	4.335505	4.351728	3.690999	3.978187	4.073118	3.196464	3.096753	3.125724	2.862939	2.850343	2.559363	2.75746	2.755911	2.84714
ABCA8	ENSG00000141338	-0.17371	0.534445	-0.74661	0.465227	0.528745	-6.03852	5.85584	5.860909	5.83279	5.608898	5.586227	5.746517	5.814563	5.845426	5.751363	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.183756	0.106501	0.106501
G6PC3	ENSG00000141349	-0.13665	6.612295	-2.69425	0.015098	0.025488	-4.57779	7.417788	7.438494	7.378378	7.456444	7.406923	7.329246	7.131137	7.042632	7.213341	6.212331	6.064665	6.22225	5.920311	5.914003	5.854018	5.77121	5.804117	5.751822
CLTC	ENSG00000141367	0.513268	9.603928	8.122094	2.44E-07	1.65E-06	6.376147	8.995237	9.062048	9.100385	9.79763	9.667539	9.843155	9.740214	9.715419	9.741618	9.502184	9.567685	9.364007	9.782493	9.80771	9.82607	9.778361	9.746562	9.867586
BCAS3	ENSG00000141376	0.592509	5.424377	11.31995	1.79E-09	2.93E-08	11.81317	5.628712	5.430295	5.544416	6.257092	6.149755	6.131801	5.827697	5.978357	5.920533	4.845549	4.790397	4.87173	5.318904	5.347976	5.367623	4.945171	4.987552	4.950363
PTRH2	ENSG00000141378	-0.18777	6.28572	-3.362	0.003586	0.007051	-3.19354	6.223057	6.24755	6.224209	5.765822	5.87399	5.842864	5.764215	5.891111	6.007476	6.662613	6.728111	6.660037	6.675951	6.597663	6.670742	6.557281	6.53525	6.566681
SS18	ENSG00000141380	0.141247	6.247434	4.294029	0.000464	0.001146	-1.11461	6.553964	6.559918	6.529047	6.672679	6.642445	6.663747	6.558286	6.586665	6.566582	5.837849	5.868645	5.860576	6.0834	5.970071	6.007341	6.007353	5.935709	5.911023
TAF4B	ENSG00000141384	-0.28469	3.48468	-3.65348	0.001892	0.004007	-2.06564	3.662849	3.608619	3.678418	3.103249	3.170134	3.247073	3.405851	3.002451	3.104585	3.907872	3.981119	4.12026	3.778549	3.921728	3.87435	3.900611	3.863317	3.753014
AFG3L2	ENSG00000141385	0.100323	7.022515	2.995513	0.007948	0.014377	-4.03995	6.653793	6.671448	6.612701	6.8048	6.806141	6.79192	6.825462	6.785736	6.712819	7.255549	7.307083	7.357365	7.35035	7.394672	7.34736	7.339727	7.275516	7.322736
PRELID3A	ENSG00000141391	-0.08233	2.138131	-0.64932	0.524577	0.586049	-6.61795	2.505419	2.448351	2.514675	2.791417	2.333126	2.557474	2.376953	2.916694	2.239236	2.282443	2.355385	2.485514	2.162115	2.190279	2.330481	2.583072	2.552239	2.397196
IMPA2	ENSG00000141401	1.047921	6.456043	4.420226	0.000352	0.0009	-0.88901	5.135946	5.178369	5.090354	7.236666	7.414827	7.354201	5.946849	5.965067	5.94552	6.71822	6.666063	6.824048	6.97319	6.941801	6.916261	6.801262	6.764961	6.685409
GNAL	ENSG00000141404	0.42764	2.623115	4.081567	0.000739	0.001731	-0.74809	3.792713	3.846899	3.906009	4.263984	4.43213	4.178918	3.632324	3.856799	3.808383	1.814181	1.875739	1.631268	2.027088	2.127698	1.851631	1.809319	1.82352	1.844513
SLC39A6	ENSG00000141424	1.213205	6.689252	12.36712	4.49E-10	9.91E-09	13.11299	5.717835	5.750092	5.796906	7.421727	7.286089	7.344449	7.232141	7.186984	7.149063	6.099326	6.110718	6.069355	6.97319	6.946341	6.922151	6.880265	6.91399	6.888904
RPRD1A	ENSG00000141425	-0.23826	6.270737	-4.74047	0.000176	0.000488	-0.14356	6.523553	6.596806	6.556133	6.263828	6.191762	6.3759	6.595237	6.672564	6.462714	6.194733	6.273652	6.205413	6.02258	6.078825	5.975122	6.037584	6.117279	6.079643
C18orf21	ENSG00000141428	-0.17884	3.507055	-2.08325	0.052204	0.07738	-5.15984	4.081197	3.936954	4.02711	3.54791	3.560502	3.868406	3.965091	3.809996	3.668646	3.376719	3.539861	3.608031	3.5452	3.520297	3.412858	3.307556	3.356678	3.291935
GALNT1	ENSG00000141429	0.587851	6.302838	9.690429	1.90E-08	2.00E-07	9.274356	6.35807	6.337478	6.353352	7.117763	7.117138	7.145403	6.894185	6.873704	6.796075	5.730282	5.674479	5.656856	6.024796	6.0857	6.064381	5.824952	5.854454	5.902962
GAREM1	ENSG00000141441	0.441594	3.774862	6.264631	7.53E-06	3.11E-05	3.466304	3.672523	3.714268	3.726899	4.375995	4.158524	4.138446	3.571163	3.633086	3.453254	3.914031	3.735447	3.834184	4.234338	4.122289	4.165038	3.7814	3.967936	3.669942
ESCO1	ENSG00000141446	0.079451	4.530271	1.213234	0.241183	0.29858	-6.71703	4.610293	4.564207	4.631806	4.733909	4.544465	4.598452	4.792514	4.955186	4.626988	4.443094	4.606195	4.32811	4.521727	4.596713	4.580783	4.438712	4.568087	4.546811
OSBPL1A	ENSG00000141447	-0.26833	4.379287	-2.92823	0.009184	0.016353	-3.71653	5.379837	5.221361	5.356903	4.845887	4.758354	4.809079	4.857993	4.734864	4.633836	3.93235	4.029873	3.95997	3.983922	3.993677	4.046009	3.854102	3.890192	3.889829
GATA6	ENSG00000141448	-0.13809	3.308664	-1.02393	0.319834	0.383193	-6.76448	3.476616	3.450822	3.454879	2.548252	2.549605	2.581827	2.513265	2.451551	2.892531	3.968304	4.051023	4.186581	4.260913	4.132949	4.27499	4.031767	3.88352	3.734962
GREB1L	ENSG00000141449	-1.61569	2.825573	-7.20708	1.25E-06	6.62E-06	5.5614	4.871956	4.80064	4.933939	3.441022	3.48743	3.666886	3.115825	3.250449	2.723053	3.047564	2.980302	3.077191	1.711947	1.591687	1.390007	2.479639	2.500854	2.350536
RMC1	ENSG00000141452	-0.14259	4.435142	-2.36154	0.03004	0.047063	-4.81021	5.485141	5.433112	5.41428	5.299283	5.166794	5.234723	5.315037	5.298133	5.146036	3.75845	3.793073	3.877343	3.757374	3.759216	3.837423	3.617041	3.529023	3.530388
PELP1	ENSG00000141456	0.077539	7.234233	0.75816	0.458457	0.521967	-7.53397	7.764997	7.716773	7.803755	8.17426	8.19365	8.203574	8.151281	8.090346	8.194266	6.600965	6.498155	6.712618	6.365533	6.216746	6.24559	6.539939	6.469946	6.481278
NPC1	ENSG00000141458	-0.75988	5.903582	-15.529	1.15E-11	6.96E-10	16.93754	6.576037	6.532605	6.550756	5.768983	5.8095	5.860389	6.257073	5.983638	6.017985	6.214827	6.160221	6.14194	5.404821	5.32724	5.507395	5.55381	5.54346	5.515842
ARRB2	ENSG00000141480	0.501452	5.149284	3.627335	0.002004	0.004214	-2.29828	5.93634	5.904176	5.988045	6.772099	6.834408	6.727893	6.44139	6.499019	6.39781	4.071084	4.061483	4.194187	3.997531	3.915568	3.933868	4.103106	3.923096	4.014786
WRAP53	ENSG00000141499	-0.62095	3.969502	-8.73084	8.73E-08	7.07E-07	8.01012	4.12413	4.12982	4.208773	3.57705	3.394558	3.445903	3.941119	4.307901	3.935772	4.395472	4.386688	4.506699	3.988472	3.78648	3.928025	4.240529	4.377068	4.483349
MINK1	ENSG00000141503	0.235313	6.480313	4.334281	0.000425	0.001061	-1.05891	6.668371	6.599315	6.755086	6.692786	6.772703	6.754917	6.827098	6.690439	6.747963	6.072047	6.119505	6.01349	6.50625	6.444555	6.403403	6.355036	6.255462	6.271876
SAT2	ENSG00000141504	0.145847	5.644768	1.671483	0.112433	0.152731	-6.31699	5.515021	5.441528	5.328907	5.901593	5.876854	5.90932	5.774426	5.810187	5.760779	5.745902	5.68973	5.81197	5.626839	5.655804	5.616767	5.659012	5.487362	5.528997
TP53	ENSG00000141510	-0.51806	4.432894	-5.25635	5.88E-05	0.000186	1.422438	6.467698	6.566346	6.454708	5.895822	5.876854	5.837817	5.620676	5.469794	5.537947	3.312899	3.166245	3.38694	3.004458	3.077028	3.317756	2.794876	2.95995	2.960231
CCDC40	ENSG00000141519	1.74876	2.030359	13.73072	8.49E-11	2.92E-09	15.04196	1.755904	1.420874	1.54317	2.425456	2.299368	2.429135	0.886508	0.915275	1.171446	2.589954	2.561038	2.546206	4.323482	4.235431	4.27499	2.831347	3.046116	2.944608
ARHGDIA	ENSG00000141522	0.196205	8.735533	4.073354	0.000752	0.001758	-1.82263	8.47016	8.432251	8.547417	8.50699	8.725932	8.551385	8.728087	8.629017	8.779391	8.612773	8.653033	8.822191	9.004894	8.949357	8.945964	9.03282	9.010687	8.90071
TMC6	ENSG00000141524	-0.18683	5.621966	-1.66175	0.114393	0.155091	-6.37159	4.749336	4.929882	4.938064	3.933121	4.061165	4.018682	5.021241	4.905964	4.945952	6.539555	6.658331	6.708641	6.800863	6.658876	6.607265	6.853916	6.923778	6.655731
SLC16A3	ENSG00000141526	-0.12302	8.919263	-0.67908	0.505979	0.568124	-7.73059	8.873132	8.881818	8.952779	9.450534	9.587195	9.384102	9.419987	9.376592	9.466052	8.640197	8.773244	8.843356	7.92844	8.016861	7.903131	9.129959	9.05311	8.925793
CARD14	ENSG00000141527	0.39951	2.07371	2.134233	0.047264	0.070645	-4.97338	1.010037	1.508929	1.453818	2.457149	2.398361	2.629332	0.782422	1.491012	1.0941	3.403229	3.423044	3.290894	3.623353	3.366191	3.412858	3.181381	3.182818	3.149291
TTYH2	ENSG00000141540	0.814803	0.510372	3.49998	0.002651	0.005402	-1.58728	3.011517	2.950996	2.99819	3.791129	3.923901	3.776446	3.632324	3.809996	3.733845	0.269074	0.259702	0.34382	0.352262	0.190544	0.335616	0.393424	0.2791	0.497646
RAB40B	ENSG00000141542	0.457809	3.601859	5.115254	7.92E-05	0.000241	1.07789	3.236881	3.382531	3.359697	3.766043	4.051057	4.045196	3.094248	3.250449	3.023464	3.920163	3.860515	3.919248	4.15964	4.298341	4.228211	3.98397	3.929587	3.530388
EIF4A3	ENSG00000141543	-0.11215	7.584248	-3.61096	0.002078	0.004352	-2.76741	7.272689	7.322536	7.229012	7.194981	7.189185	7.177716	7.248105	7.312962	7.273781	7.987957	7.912801	7.996704	7.844646	7.805735	7.858521	8.071159	7.990597	7.970798
CSNK1D	ENSG00000141551	0.230334	8.179187	3.442638	0.003006	0.006032	-3.17069	8.094519	8.044609	8.048946	8.102798	8.116994	8.083994	8.149974	8.079904	8.173853	8.140187	8.160052	8.191441	8.583927	8.543255	8.550811	8.122035	8.10829	8.022873
ANAPC11	ENSG00000141552	-0.30619	6.347718	-6.72012	3.11E-06	1.45E-05	3.966796	6.231262	6.094084	6.20893	5.982771	6.021043	5.988874	6.276361	6.236837	6.306464	6.816009	6.619923	6.762711	6.347048	6.298326	6.376842	6.679013	6.689514	6.655731
TBCD	ENSG00000141556	-0.22143	6.690803	-5.45058	3.92E-05	0.00013	1.320342	6.514168	6.546977	6.519445	6.342299	6.415061	6.435578	6.325801	6.328935	6.3632	7.205589	7.093077	7.147156	6.946543	6.816799	6.81938	7.030295	6.927837	6.920195
FN3KRP	ENSG00000141560	-0.36895	5.795667	-4.12747	0.000668	0.001583	-1.45212	5.922218	5.774724	5.84602	5.629907	5.644527	5.553773	5.253102	5.553863	5.363523	6.202301	6.106936	6.191231	5.792129	5.776294	5.629423	6.204445	6.237262	6.12886
NARF	ENSG00000141562	0.480532	5.579508	6.783655	2.76E-06	1.31E-05	4.166342	4.630287	4.691972	4.676925	5.428807	5.488499	5.425089	5.296262	5.160337	5.126746	5.89345	6.030465	6.022062	6.338162	6.307765	6.201469	6.182261	6.04886	6.083215
RPTOR	ENSG00000141564	-0.46059	6.32461	-8.27873	1.86E-07	1.32E-06	6.893102	6.786668	6.873635	6.835774	6.222931	6.387211	6.287974	6.621871	6.377892	6.419771	6.252981	6.342817	6.365544	5.978655	5.895341	5.942167	6.285543	6.233332	6.072473
FOXK2	ENSG00000141568	0.366851	7.270929	8.66496	9.74E-08	7.72E-07	7.470611	6.726412	6.624173	6.724372	7.142341	7.230076	7.207367	7.317251	7.307707	7.281434	7.28317	7.267537	7.277277	7.564731	7.48845	7.52961	7.69758	7.719448	7.665387
TRIM65	ENSG00000141569	-0.39945	5.358662	-6.26158	7.58E-06	3.13E-05	3.185527	5.449012	5.557053	5.666267	5.036268	5.094821	5.063714	5.431459	5.255104	5.121883	5.546278	5.58849	5.574748	5.22369	5.284851	5.271695	5.674151	5.667096	5.603018
CBX8	ENSG00000141570	-0.05623	5.094163	-0.71248	0.485573	0.548846	-7.31413	5.004246	4.913842	5.052811	5.097883	5.054916	5.093661	5.452809	5.306587	5.548858	5.149472	5.21963	5.212332	5.100883	5.012067	4.938437	5.124869	5.157568	5.033946
SECTM1	ENSG00000141574	1.680163	5.423286	14.80604	2.51E-11	1.18E-09	16.19615	4.615318	4.474101	4.59048	6.592896	6.652507	6.58612	5.93476	5.659938	5.912107	4.671093	4.613322	4.698057	6.017022	5.874847	5.875427	5.249139	5.187669	5.11644
RNF157	ENSG00000141576	0.48658	3.352	1.483896	0.155647	0.203341	-5.96026	3.011517	3.027527	2.794903	4.392481	4.447623	4.537503	4.245129	4.332946	4.270596	2.693825	3.116952	3.109727	2.28558	2.451029	2.465679	4.057652	4.07722	3.95366
CEP131	ENSG00000141577	0.120834	3.644081	1.257547	0.225099	0.280842	-6.69507	2.688195	2.853456	2.758051	2.864145	3.112982	2.581827	1.966276	2.184314	2.047395	4.806358	5.000678	5.214204	5.15451	5.18338	5.095248	5.064871	5.048468	4.973643
ZNF750	ENSG00000141579	0.441247	-0.1999	6.50634	4.69E-06	2.06E-05	4.067159	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.659289	3.748453	3.872611	4.126992	4.210485	4.21867	3.917673	4.047684	3.797179
WDR45B	ENSG00000141580	-0.13807	8.028833	-1.63491	0.119948	0.162028	-6.6282	7.672815	7.719083	7.677469	7.172485	7.131599	7.167696	7.680631	7.671491	7.693973	8.336081	8.422435	8.398403	8.542944	8.571449	8.536963	8.752858	8.752151	8.728944
CBX4	ENSG00000141582	0.434051	6.071561	7.000322	1.83E-06	9.23E-06	4.550473	5.901801	5.950121	6.122779	6.346536	6.523209	6.443905	6.056907	6.058125	6.202046	5.640283	5.864171	6.002702	6.214457	6.303053	6.244416	6.08995	5.909676	5.815479
DYM	ENSG00000141627	0.458473	4.440728	9.66693	1.97E-08	2.06E-07	9.493847	4.375799	4.564207	4.564038	4.949796	4.917027	4.969954	5.038289	4.981823	5.010523	3.956418	3.930661	3.896118	4.369563	4.321825	4.351192	4.32821	4.30899	4.353311
MAPK4	ENSG00000141639	0.119568	0.027502	0.781768	0.444813	0.509036	-6.00082	4.921476	4.835117	4.790768	5.004446	4.971631	4.93257	5.54317	5.495903	5.602211	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ELAC1	ENSG00000141642	-0.59272	2.530613	-4.1524	0.000632	0.001507	-0.70113	3.498536	3.39414	3.408073	2.393052	2.520598	2.317553	2.513265	2.801791	2.869505	2.918737	2.946841	2.816411	2.67247	2.770668	2.821313	2.400938	2.518186	2.374055
MBD1	ENSG00000141644	-0.13197	6.114447	-1.56088	0.136476	0.181209	-6.53177	6.284277	6.269775	6.280513	5.730596	6.061883	5.940258	6.616205	6.565688	6.52298	5.834606	6.018435	5.97758	6.074867	5.964114	5.983596	6.192812	6.027836	6.104461
SMAD4	ENSG00000141646	0.01354	5.176405	0.20631	0.838933	0.866554	-7.57203	5.437711	5.291319	5.217952	5.176143	5.176125	5.207592	5.431459	5.503276	5.443658	5.024124	5.115559	5.111508	5.206215	5.268024	5.143946	5.026064	5.101177	5.03025
TNFRSF11A	ENSG00000141655	-0.9282	1.774035	-8.13105	2.40E-07	1.63E-06	7.207543	1.719036	1.508929	1.54317	1.182548	1.498102	1.422231	1.588238	1.605065	1.38134	3.312899	3.509623	3.507833	2.412911	2.627242	2.497588	2.807136	2.799093	2.928814
ZCCHC2	ENSG00000141664	0.393384	5.133005	3.487658	0.002724	0.005529	-2.6935	4.794334	4.953612	4.840087	5.707722	5.751385	5.640377	5.67619	5.6164	5.693539	4.782995	4.84591	4.838143	4.831335	4.753456	4.817241	5.304237	5.132464	5.19777
PMAIP1	ENSG00000141682	-0.94016	5.740484	-6.74208	2.98E-06	1.40E-05	4.122548	6.265223	6.305561	6.291837	4.915985	4.789085	4.777799	6.346481	6.308036	6.361138	5.910491	5.91264	5.973166	5.375589	5.493636	5.376231	5.821935	5.757443	5.880558
P3H4	ENSG00000141696	1.081482	6.508934	5.894587	1.58E-05	5.89E-05	2.327709	6.012583	6.101184	6.184836	7.857689	7.89624	7.796646	7.266307	7.190414	7.196093	5.62347	5.779586	5.620625	6.013678	6.076066	5.923201	6.363362	6.357688	6.233818
NT5C3B	ENSG00000141698	-0.09813	5.769918	-1.6735	0.112031	0.152243	-6.31924	6.122537	6.101184	6.126398	5.866618	6.123468	6.015936	5.922569	5.862728	5.994232	5.552212	5.538823	5.674636	5.55042	5.44099	5.547959	5.745959	5.667096	5.499895
RETREG3	ENSG00000141699	0.32353	5.16329	5.231199	6.20E-05	0.000195	1.062768	5.153322	4.937835	4.966609	5.338099	5.469652	5.421721	5.365443	5.183472	5.169792	5.170202	5.193714	5.076957	5.365129	5.451674	5.374084	5.052051	4.952919	5.041309
ERBB2	ENSG00000141736	1.113865	6.333413	14.7295	2.73E-11	1.26E-09	15.97712	5.160214	5.137514	5.037516	5.667647	6.015855	5.730269	4.673889	4.504423	4.578115	7.228625	7.157267	7.119961	8.499568	8.444017	8.435857	7.055565	7.020453	7.013002
GRB7	ENSG00000141738	0.238597	1.370295	1.667936	0.113144	0.153594	-5.86231	1.12723	1.173893	1.146821	0.742604	0.92021	0.3528	0.415731	0.253663	0.39151	3.792275	3.682218	3.779618	4.203356	4.073319	3.985412	3.439417	3.337278	3.444131
MIEN1	ENSG00000141741	0.265071	5.637915	5.796846	1.92E-05	6.96E-05	2.234331	6.279537	6.228223	6.24932	6.523489	6.622106	6.548001	6.237523	6.157275	6.220361	4.871097	4.893523	5.030978	5.162586	5.115127	5.123642	4.991566	4.981317	4.844905
IGFBP4	ENSG00000141753	0.519938	6.849158	3.149493	0.005698	0.010692	-3.54999	8.031547	8.068804	8.094	8.89793	8.942001	8.949293	8.751967	8.639512	8.756825	4.835851	5.032928	4.968042	4.816056	4.959137	4.745971	5.829467	5.692129	5.706224
FKBP10	ENSG00000141756	0.694874	8.86631	6.103947	1.04E-05	4.09E-05	2.56167	8.838371	8.893111	8.938697	9.974864	10.03656	9.981578	9.546774	9.53112	9.575259	7.953243	8.021601	8.036912	8.289297	8.24158	8.249903	8.533143	8.537321	8.478727
TXNL4A	ENSG00000141759	0.353672	5.684014	6.288375	7.19E-06	2.99E-05	3.247699	5.895619	5.92833	5.978065	6.470122	6.428788	6.433907	6.526418	6.522796	6.550385	4.914746	4.899366	5.013889	5.094564	5.104334	5.110805	5.392313	5.299655	5.317842
MISP3	ENSG00000141854	0.878951	1.146217	6.866573	2.35E-06	1.14E-05	5.044753	1.719036	1.978677	1.818408	2.48816	2.460774	2.374422	1.816207	1.988058	2.047395	1.073118	1.228418	1.061592	1.755315	1.681564	1.667532	1.286141	1.581179	1.170016
SAMD1	ENSG00000141858	0.872793	4.624001	6.932515	2.08E-06	1.03E-05	4.659646	3.87042	4.021717	3.955676	5.388282	5.375591	5.272617	4.758625	4.819999	4.7071	4.30464	4.344483	4.441093	4.818614	4.79096	4.820398	4.877024	4.867593	4.918728
BRD4	ENSG00000141867	0.362476	6.745081	4.118208	0.000682	0.001612	-1.51895	7.195112	7.129433	7.253213	7.814755	7.750046	7.799244	7.871877	7.802037	7.946572	5.904318	5.843106	5.816905	5.977511	5.854058	5.905471	6.004695	5.948551	5.892821
SLC39A3	ENSG00000141873	0.10008	3.669165	1.098965	0.286692	0.347785	-6.6922	3.43175	3.516026	3.648527	3.727576	4.110665	3.472196	3.423261	3.318907	3.468658	3.857636	3.975599	4.025385	3.92342	3.946112	4.098971	4.137495	4.059571	3.969186
NFIC	ENSG00000141905	0.163997	6.177853	1.827146	0.084804	0.119084	-6.07772	6.799969	6.831564	6.964681	7.213657	7.309596	7.222935	7.157384	7.036292	7.166879	5.12844	5.340512	5.359952	5.212064	5.054739	5.193492	5.568288	5.515684	5.570305
TPGS1	ENSG00000141933	1.068927	2.03415	4.447835	0.000332	0.000854	0.062885	2.245129	2.258179	2.600444	3.255206	3.34578	3.086148	2.303642	1.901414	2.408535	1.116489	2.032826	2.104662	2.42639	2.686334	2.756856	2.597261	2.295039	1.58715
PLPP2	ENSG00000141934	-0.16834	6.886795	-2.90573	0.009637	0.017079	-4.20901	6.774368	6.774971	6.81462	6.408639	6.436573	6.405195	6.83525	6.745885	6.851475	7.131548	7.054979	7.176729	7.161773	7.100256	7.066091	7.2107	7.153267	7.089583
PRDM15	ENSG00000141956	-0.20343	4.098725	-2.92921	0.009165	0.016327	-3.7262	4.333741	4.101775	4.281987	4.062381	3.683372	4.162865	3.928981	3.833587	4.073118	4.497421	4.431731	4.324649	4.241981	4.298341	4.25179	4.32395	4.258317	4.223386
PFKL	ENSG00000141959	0.541712	6.85039	10.48654	5.79E-09	7.62E-08	10.4347	6.514168	6.514105	6.670856	7.045329	7.231195	7.053705	6.946297	6.856535	6.935637	6.399536	6.638382	6.52934	7.116238	7.041353	7.004963	7.092344	6.996692	6.955701
FEM1A	ENSG00000141965	-0.70332	6.074048	-16.2562	5.44E-12	4.08E-10	17.69228	6.578612	6.596806	6.648378	5.797117	5.833285	5.880161	6.271563	6.119389	6.204348	6.35383	6.236055	6.294791	5.737758	5.694099	5.565001	6.019258	5.970753	5.936917
VAV1	ENSG00000141968	0.17574	3.349933	1.661334	0.114477	0.155168	-6.18434	2.27083	2.470453	2.138168	1.634586	1.556428	1.310092	1.525136	1.605065	1.314712	5.33303	5.349076	5.489229	5.684066	5.734908	5.631222	5.501961	5.419802	5.590523
MVB12A	ENSG00000141971	0.272232	4.992049	1.943666	0.068216	0.098181	-5.764	5.288426	5.25994	5.20089	4.87551	5.128856	4.78306	5.203583	5.028565	5.193163	4.533868	4.599033	4.791271	5.403118	5.350262	5.337086	5.028684	4.864208	4.832225

SH3GL1	ENSG00000141985	0.244601	6.968898	3.484853	0.00274	0.005561	-2.9974	6.418244	6.536539	6.643335	6.470122	6.610109	6.415394	6.520363	6.476718	6.460789	7.201189	7.190408	7.339043	7.752008	7.678715	7.622978	7.491773	7.475648	7.362227
DUS3L	ENSG00000141994	-0.22884	4.431597	-2.63132	0.017229	0.028657	-4.39127	4.327631	4.34846	4.492928	4.333937	4.621619	4.218286	4.376062	4.389749	4.490278	4.696324	4.706242	4.869357	4.268416	4.51757	4.472558	4.780845	4.706825	4.376785
DPP9	ENSG00000142002	-0.55951	6.586011	-5.70462	2.32E-05	8.21E-05	1.874258	6.830535	6.801367	6.890005	6.132588	6.125878	6.09843	6.161755	6.276108	6.181159	6.859736	6.844734	7.017584	6.507043	6.474201	6.507953	7.122089	7.020453	6.982725
CCDC97	ENSG00000142039	-0.25845	6.120236	-2.7356	0.013838	0.023587	-4.48636	6.245915	6.242742	6.229267	5.543969	5.681033	5.497281	5.781194	5.730749	5.931692	6.509367	6.482672	6.524069	6.572912	6.503249	6.520626	6.278956	6.226757	6.056209
ZFP14	ENSG00000142065	1.033736	2.073373	6.356531	6.29E-06	2.66E-05	3.997502	1.894617	1.947501	2.274882	2.548252	2.549605	2.429135	2.724622	2.623806	2.530983	1.964162	1.945166	1.820066	2.781373	2.938056	3.167173	2.095813	2.535313	2.48622
SIRT3	ENSG00000142082	0.386604	3.682646	4.156355	0.000627	0.001495	-0.91788	3.96004	4.094678	4.124423	4.384261	4.58706	4.146631	4.185161	4.212157	3.879258	3.17611	3.390227	3.276636	3.799417	3.779712	3.478287	3.350072	3.385297	3.189613
IFITM3	ENSG00000142089	0.449208	8.584839	2.454036	0.024876	0.039859	-5.22854	8.064066	8.040459	8.077737	9.190843	9.300102	9.249251	8.702023	8.685207	8.773976	8.443492	8.389085	8.485437	8.178414	8.222056	8.223314	8.827164	8.870957	8.876213
PGGHG	ENSG00000142102	0.518185	3.390265	2.96061	0.008568	0.015359	-3.3284	4.381709	4.164126	4.470324	4.472198	4.515354	4.55606	4.799197	4.511753	4.620106	2.100009	2.174476	2.396013	3.141522	3.131201	3.378997	2.464239	2.518186	2.374055
COL6A1	ENSG00000142156	0.563671	5.89722	6.041174	1.17E-05	4.57E-05	2.654909	5.233934	5.116644	5.22134	5.746715	6.036494	5.722075	5.794634	5.609584	5.636714	5.6347	5.856683	5.878389	6.384647	6.287632	6.206305	6.761652	6.806995	6.687757
IFNAR1	ENSG00000142166	0.748139	5.54902	9.719056	1.82E-08	1.93E-07	9.381218	4.785446	4.937835	4.831244	5.958063	5.8095	5.942611	5.63569	5.535999	5.602211	5.447841	5.450055	5.456399	5.92269	5.980438	5.963744	5.736375	5.729813	5.745073
SOD1	ENSG00000142168	-0.18204	7.5047	-5.50585	3.50E-05	0.000118	1.398216	8.218564	8.257779	8.163459	7.994921	7.986513	8.067921	7.944515	8.035458	8.009143	7.135506	7.015848	7.100362	6.900806	6.907288	6.949085	6.901146	6.834065	6.822074
COL6A2	ENSG00000142173	0.518195	2.387989	2.460717	0.024537	0.039379	-4.02272	3.792713	3.638208	3.511328	3.887325	4.061165	4.121933	3.891945	4.019913	3.913431	0.934589	1.300837	1.219002	1.878105	1.462417	1.610309	1.970607	2.447571	2.033602
SIK1	ENSG00000142178	-0.34036	1.282409	-3.80808	0.001347	0.002943	-1.57655	1.069823	0.736739	0.598525	0.742604	0.625525	0.563119	0.415731	0.726566	0.629397	3.851231	3.860515	3.779618	3.494914	3.652127	3.412858	3.200096	3.394711	3.202807
TRPM2	ENSG00000142185	-0.57034	-0.26887	-0.98637	0.337411	0.401281	-5.73183	3.337603	3.286138	3.384088	2.688367	2.970101	2.675323	2.226405	2.650616	2.165532	0.269074	0.185134	0.106501	0.106501	0.26996	0.186984	0.326864	0.572487	0.409347
SCYL1	ENSG00000142186	0.294298	6.753073	3.789081	0.001405	0.003053	-2.30989	6.211491	6.205343	6.230948	6.756263	6.846147	6.711432	6.309508	6.35158	6.245172	7.013192	6.891652	7.113959	7.143528	7.090719	7.092449	7.215307	7.201675	7.18159
TMEM50B	ENSG00000142188	0.315262	4.689929	4.41622	0.000355	0.000907	-0.61313	4.296689	4.336476	4.464617	4.971905	4.789085	4.992837	4.864381	4.837607	4.849226	4.703453	4.735932	4.69001	4.821167	4.847068	4.839198	4.749424	4.798342	4.86164
APP	ENSG00000142192	1.576766	9.216003	20.84436	8.65E-14	1.84E-11	21.80995	8.518565	8.490867	8.466924	10.36619	10.28384	10.32528	10.12457	10.08867	10.12388	7.979173	8.007808	7.998062	9.329247	9.284244	9.295934	9.065241	9.079255	9.113461
DOP1B	ENSG00000142197	-0.10689	4.797625	-0.92504	0.367541	0.432449	-7.19505	4.871956	4.778666	4.89628	4.290615	4.493129	4.610338	3.440463	3.40015	3.181386	5.59692	5.696457	5.594999	5.688268	5.595421	5.685908	5.262556	5.225092	5.177863
URB1	ENSG00000142207	0.060184	7.514407	0.861667	0.400539	0.465818	-7.50854	7.647287	7.56777	7.671288	7.947593	7.978536	7.939534	7.518981	7.423969	7.48167	7.533184	7.543702	7.48609	7.335245	7.296151	7.365847	7.258914	7.201675	7.210456
AKT1	ENSG00000142208	0.030034	7.693965	0.6238	0.540815	0.60169	-7.71611	7.503616	7.461435	7.467389	7.37479	7.636341	7.444948	7.230905	7.227616	7.169238	7.986497	7.96527	8.048235	8.08987	8.020453	8.040112	8.021056	7.99602	7.940105
EMP3	ENSG00000142227	-0.24326	5.80441	-3.49516	0.002679	0.005448	-2.71366	7.048657	7.026904	7.056697	6.992235	6.938138	6.841927	7.097643	7.080096	7.187972	4.848768	4.702905	5.020321	4.457531	4.484656	4.359898	4.637167	4.621188	4.735671
SAE1	ENSG00000142230	-0.08269	7.037616	-2.55315	0.020276	0.033171	-4.93005	7.011979	7.091611	6.9937	7.019026	6.976026	6.975445	7.000948	7.068959	6.967161	7.106895	7.107029	7.132386	7.011143	7.000462	6.99172	7.174487	7.10748	7.144463
LMTK3	ENSG00000142235	0.289878	2.903084	2.508333	0.022246	0.036039	-4.58409	2.320899	1.915637	2.326135	1.519216	1.612488	1.575618	1.648695	1.231675	1.314712	4.434552	4.566354	4.773612	5.005325	5.074229	4.95577	4.63373	4.568087	4.411295
GEMIN7	ENSG00000142252	-0.27332	4.27476	-3.39678	0.003324	0.006586	-2.78423	4.375799	4.243278	4.167214	4.041626	4.149079	4.293939	4.000319	3.967564	4.011347	4.721121	4.57733	4.818593	4.410831	4.225504	4.452348	4.777733	4.563921	4.520707
CBLC	ENSG00000142273	0.045678	0.26287	0.513609	0.613957	0.669622	-7.1851	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	4.685565	4.532919	4.727183	4.731716	4.569504	4.725907	4.802439	4.629187	4.572451
WTIP	ENSG00000142279	0.002096	1.966798	0.007203	0.994335	0.995033	-6.61606	3.783815	3.741788	3.931056	3.308302	3.844198	3.498018	4.205428	4.030158	4.243986	0.982259	0.640699	1.126631	1.336984	1.495836	1.722572	1.320757	1.16325	0.734116
RNPEPL1	ENSG00000142327	0.600462	6.445171	10.25706	8.10E-09	9.99E-08	10.12099	6.214805	6.234694	6.290225	6.911603	7.027194	6.84696	6.638736	6.335147	6.508148	6.040025	6.168712	6.211047	6.790477	6.638447	6.542779	6.324444	6.390999	6.211145
CAPN10	ENSG00000142330	-0.28829	4.767286	-3.9277	0.001036	0.002331	-1.71238	5.027048	4.984658	5.116065	4.325376	4.641964	4.740428	4.779054	4.741115	4.687485	4.905504	4.995233	5.099408	4.890883	4.743056	4.912042	4.780845	4.819468	4.597643
ERVK3-1	ENSG00000142396	0.036243	2.900651	0.378571	0.709565	0.756616	-7.10258	2.526909	2.283367	2.351095	2.325974	2.398361	2.741673	2.576877	2.650616	2.616448	3.751589	3.884278	3.647349	3.789021	3.666873	3.793113	3.623987	3.404065	3.881648
ZNF787	ENSG00000142409	-0.13898	5.416446	-1.49337	0.153174	0.200557	-6.55945	5.160214	5.214829	5.293935	4.821743	5.054916	4.679672	5.374422	5.098392	5.188519	5.532334	5.727989	6.032707	5.786914	5.743628	5.797461	6.000697	5.966024	5.666299
TIMM29	ENSG00000142444	-0.20156	3.598593	-2.55578	0.020166	0.033021	-4.31457	3.85351	3.768792	4.011539	3.727576	3.820593	3.632327	3.928981	3.711575	3.82044	3.60703	3.748453	3.882059	3.629193	3.445301	3.540876	3.775173	3.431768	3.581792
CARM1	ENSG00000142453	-0.0452	6.243708	-0.95887	0.350701	0.415042	-7.28779	6.566989	6.494017	6.52494	6.367536	6.4692	6.36717	6.502046	6.291095	6.336161	6.037207	6.033125	6.098018	6.136645	6.050991	6.074994	6.142902	6.148223	6.100942
EVI5L	ENSG00000142459	0.476005	3.561836	6.333593	6.58E-06	2.76E-05	3.64429	2.965042	3.128277	3.217639	3.503067	3.772191	3.678224	3.523527	3.550079	3.406029	3.584041	3.761343	3.92383	4.171694	4.127629	4.139984	4.103106	3.923096	3.881648
SLC47A1	ENSG00000142494	0.206542	2.043768	1.432465	0.169654	0.218895	-5.49819	5.060589	5.137514	5.067946	5.388282	5.274966	5.30589	5.115291	5.174263	5.121883	0.669294	0.583785	0.683459	0.656707	0.484926	0.593579	0.789161	0.504542	0.580851
PSMB6	ENSG00000142507	-0.35862	7.00633	-8.14066	2.36E-07	1.61E-06	6.607068	7.886347	7.777312	7.787846	7.436708	7.490637	7.435792	7.867114	7.880578	7.831391	6.494033	6.468986	6.533093	6.099266	6.150089	6.207511	6.324444	6.361294	6.316562
ZNF473	ENSG00000142528	-0.10037	4.786268	-1.05063	0.307738	0.370227	-6.9953	3.928091	3.7953	3.979882	4.299384	4.400635	4.249025	4.772276	4.436718	4.444269	5.532334	5.301333	5.37006	5.180594	5.012067	5.068941	5.827964	5.770158	5.84102
FAM71E1	ENSG00000142530	-0.81812	1.325594	-5.10443	8.10E-05	0.000246	1.470275	1.894617	1.978677	1.78216	1.104644	0.92021	0.830331	1.160105	1.082132	1.314712	2.494552	2.66072	2.893183	2.027088	2.533802	2.220059	2.417026	2.392244	2.277588
RPS11	ENSG00000142534	-0.06856	9.452419	-1.85715	0.080224	0.113322	-6.35876	9.568214	9.55888	9.527488	9.418191	9.485788	9.371061	9.585709	9.540334	9.538551	9.502567	9.416482	9.358623	9.354695	9.445799	9.43	9.331059	9.3805	9.367998
RPL13A	ENSG00000142541	0.060776	10.19521	1.503763	0.150497	0.197488	-6.93929	10.5116	10.46699	10.48686	10.40199	10.49499	10.36737	10.35749	10.38156	10.40454	9.951064	9.895863	9.88181	10.06661	10.13102	10.0832	9.862087	9.893366	9.898577
CTU1	ENSG00000142544	0.106457	3.029906	0.846902	0.408497	0.473565	-6.77855	3.114469	2.853456	3.176339	3.162124	3.132285	2.697781	2.779728	2.871824	2.892531	3.091698	3.313538	3.663876	3.429485	3.503965	3.754018	3.617041	3.529023	3.121769
NOSIP	ENSG00000142546	0.100311	5.70158	0.965605	0.347414	0.411733	-7.24196	5.269428	5.346137	5.328907	4.97738	5.094821	5.00189	5.473848	5.306587	5.552477	5.954476	6.094257	6.246228	6.460307	6.418651	6.366079	6.247814	6.125784	5.904981
RCN3	ENSG00000142552	0.265832	2.946447	1.289807	0.213924	0.268545	-6.16912	2.505419	2.655462	2.600444	3.123142	3.616407	3.26222	4.079318	3.736817	4.042563	3.0698	2.865607	3.164958	2.760241	2.901116	2.858649	3.181381	3.009816	3.035906
ZNF614	ENSG00000142556	0.610667	4.139418	9.691611	1.90E-08	2.00E-07	9.503998	3.156438	3.370829	3.359697	3.688057	3.616407	3.689474	3.988671	3.736817	3.856018	4.346223	4.595438	4.369004	5.109264	5.037822	5.113381	5.085149	5.060349	4.98132
RERE	ENSG00000142599	0.193998	5.753421	4.513604	0.000288	0.000752	-0.6107	5.37392	5.504468	5.434857	5.506594	5.529116	5.519514	5.238424	5.344028	5.351109	6.007276	6.105673	6.005947	6.339944	6.297141	6.258452	6.114821	6.121538	6.01753
PADI3	ENSG00000142619	-0.90697	0.44685	-5.69613	2.36E-05	8.33E-05	2.506092	0.41387	0.499412	0.421314	0.106501	0.106501	0.106501	0.269385	0.253663	0.106501	3.926269	4.092415	3.829308	3.221013	3.183414	3.234995	4.67445	4.621188	4.597643
FHAD1	ENSG00000142621	0.988505	3.738514	3.517776	0.00255	0.005216	-2.05276	5.194191	5.221361	5.183625	6.218315	6.128283	6.070736	6.934204	6.814177	6.88487	1.676063	1.725977	1.631268	2.542344	2.326537	2.497588	1.948641	1.645686	1.322858
PADI1	ENSG00000142623	-0.91156	0.471836	-2.71226	0.014536	0.024656	-3.45276	1.561356	1.327092	1.453818	0.52061	0.25478	0.461789	0.782422	0.726566	0.256032	1.891119	2.285719	2.004401	1.524131	1.970168	1.722572	2.554269	2.354144	2.649309
EPHA2	ENSG00000142627	-1.80001	8.032008	-8.52901	1.22E-07	9.28E-07	7.189982	9.342732	9.1696	9.32546	6.573146	6.713055	6.504077	7.813656	7.685333	7.752567	8.678233	8.531796	8.739651	7.715761	7.5111	7.584032	8.394028	8.353104	8.311039
ARHGEF19	ENSG00000142632	0.599418	4.722873	5.780517	1.99E-05	7.17E-05	2.208265	4.138162	4.17089	4.003689	4.152252	4.231942	4.279122	3.405851	2.981485	3.856018	5.393783	5.299125	5.437298	6.200796	6.102069	6.063049	5.541021	5.471879	5.521118
EFHD2	ENSG00000142634	-0.09764	7.977358	-2.13215	0.047457	0.070904	-5.73157	9.283401	9.276564	9.399113	9.241205	9.322333	9.139203	9.537061	9.469634	9.559834	6.514442	6.50296	6.652465	6.483864	6.429501	6.427415	6.916787	6.858936	6.73847
PEX14	ENSG00000142655	-0.13358	4.729706	-2.05843	0.054776	0.080713	-5.54834	4.564268	4.522504	4.476008	4.171485	4.368438	4.226032	4.591583	4.341199	4.640652	5.052315	5.095341	5.301295	5.069012	5.191052	5.034009	5.28245	5.140881	5.091828
PGD	ENSG00000142657	-0.00159	8.691037	-0.01788	0.985939	0.988228	-7.94287	9.340647	9.381437	9.282721	9.588842	9.680301	9.589463	9.77135	9.771649	9.756206	7.977704	7.860224	8.0553	7.646547	7.588654	7.677536	7.830016	7.858197	7.860127
SH3BGRL3	ENSG00000142669	0.14819	7.319158	0.988552	0.336371	0.400279	-7.37415	7.702628	7.682864	7.701322	7.804012	7.823139	7.807658	7.003844	6.957958	6.972573	6.999502	6.878402	7.011139	7.170811	7.154235	7.122817	7.36275	7.428873	7.332523
CNKSR1	ENSG00000142675	0.215852	1.155858	1.918422	0.071542	0.1024	-5.65097	0.216396	0.316291	0.323815	0.258133	0.25478	0.106501	0.106501	0.509405	0.39151	4.966032	5.006104	4.883539	5.267409	5.112436	5.186167	4.739863	4.987552	4.844905
RPL11	ENSG00000142676	-0.05235	9.267273	-1.22272	0.237669	0.294769	-7.25751	9.283401	9.289636	9.264566	9.089581	9.104453	9.068529	9.152793	9.138993	9.212635	9.39674	9.364104	9.32416	9.3733	9.458435	9.467112	9.266489	9.264612	9.335047
IL22RA1	ENSG00000142677	-0.35297	2.679973	-2.1758	0.043556	0.065661	-4.83614	2.884092	2.674627	3.090013	3.162124	2.970101	2.719893	2.340763	2.650616	2.309357	3.036317	3.166245	3.276636	2.638129	2.743101	2.661487	3.366734	3.193646	3.340497
ZNF593	ENSG00000142684	0.125372	5.018045	1.311602	0.206623	0.26039	-6.72405	4.996565	4.917869	5.159101	4.87551	5.008661	4.834637	5.060712	4.765849	4.795267	4.880563	4.928229	5.276432	5.322513	5.213825	5.426825	5.44622	5.1548	5.084719
C1orf216	ENSG00000142686	0.489094	4.39493	7.782311	4.41E-07	2.72E-06	6.294208	4.595114	4.463121	4.48731	4.927344	5.029402	5.00189	4.428731	4.68386	4.599264	3.944434	3.913441	4.071539	4.454245	4.425185	4.460466	4.240529	4.2788	4.382594
KIAA0319L	ENSG00000142687	1.020008	6.713322	16.82445	3.09E-12	2.67E-10	18.22819	6.211491	6.182094	6.230948	7.41569	7.29361	7.341777	6.785632	6.787247	6.720882	6.351563	6.393375	6.307119	7.228692	7.286038	7.217467	6.435225	6.467717	6.449805
EVA1B	ENSG00000142694	0.889363	1.04225	3.705038	0.00169	0.003613	-1.45509	1.12723	1.226787	1.62731	0.934951	1.307481	1.123626	1.074544	1.549165	1.171446	1.616888	1.616737	1.800268	2.706013	2.888589	2.661487	2.173627	2.054898	1.546329
DMRTA2	ENSG00000142700	0.018527	-0.52279	0.05622	0.955805	0.963244	-6.25896	3.691678	3.516026	3.500214	3.70135	3.934936	3.584921	3.352323	3.646467	3.614278	0.106501	0.185134	0.288049	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PLK4	ENSG00000142731	-1.84961	3.487305	-7.57987	6.32E-07	3.70E-06	6.137556	3.593253	3.35903	3.39613	3.103249	2.970101	3.03415	3.866715	4.030158	3.721038	4.476768	4.580969	4.578198	2.062048	2.269709	2.481722	4.640597	4.691628	4.684858
MAP3K6	ENSG00000142733	0.280064	3.818789	2.325793	0.032292	0.050249	-4.92247	3.27548	3.222448	3.443319	3.977507	4.258538	4.045196	2.957542	3.083395	3.023464	4.430262	4.390842	4.389024	4.543538	4.529722	4.27499	4.180538	4.38181	4.323421
GPN2	ENSG00000142751	0.187706	5.390042	2.77622	0.012698	0.021856	-4.29631	5.307177	5.272573	5.328907	5.15214	5.296516	5.302231	5.277239	5.048863	5.092354	5.41565	5.386997	5.586355	5.865704	5.77289	5.77648	5.612618	5.669038	5.497221
SYTL1	ENSG00000142765	0.065902	1.175899	0.595992	0.558821	0.618293	-7.35891	0.41387	0.316291	0.421314	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.560088	5.572124	5.784522	5.72145	5.814873	5.791038	5.915499	5.789916	5.817625
WDTC1	ENSG00000142784	0.184726	5.521567	2.401098	0.027719	0.043824	-5.08512	5.275788	5.269425	5.148462	4.898777	5.157403	5.010886	4.751751	4.77806	4.872576	5.976711	6.015748	5.969847	6.39411	6.364273	6.378985	5.961472	5.891503	5.894855
NBPF3	ENSG00000142794	0.013392	3.216259	0.193732	0.84862	0.874911	-7.22747	2.798329	2.802095	2.621113	2.887595	2.926537	2.805104	2.752438	2.916694	2.959482	3.882973	4.035189	3.990867	3.932895	3.987816	3.892464	3.793775	4.059571	3.797179
HSPG2	ENSG00000142798	-0.14267	7.534213	-1.14888	0.266085	0.32584	-7.22833	8.056697	8.130397	8.331998	7.54667	7.79389	7.840198	7.16128	6.956616	7.212198	7.386991	7.533406	7.344607	7.651936	7.485334	7.545915	7.373611	7.222972	7.189897
ITGB3BP	ENSG00000142856	-0.67903	3.861388	-7.43689	8.19E-07	4.62E-06	5.779605	4.29042	4.262405	4.441562	3.619685	3.242978	3.632327	4.348988	4.282412	4.556652	4.114515	3.975599	4.012537	3.442811	3.644697	3.556108	3.928936	4.029668	3.969186
SERBP1	ENSG00000142864	-0.20059	9.109987	-7.31144	1.03E-06	5.62E-06	4.909758	9.129701	9.170655	9.15655	8.900814	8.894037	8.881326	9.126794	9.160139	9.107701	9.209929	9.196271	9.250954	9.058356	9.092083	9.0687	9.219536	9.207494	9.197428
BCL10	ENSG00000142867	-0.21781	4.319055	-3.79806	0.001377	0.003001	-1.95651	4.014302	4.036608	3.897563	3.753334	3.759832	3.797394	3.586698	3.924273	4.011347	5.052315	4.939615	5.10547	4.771865	4.784213	4.935528	4.84468	4.975054	4.958165
CCN1	ENSG00000142871	-0.69051	8.005819	-2.19902	0.041603	0.063026	-5.70012	8.887481	8.598583	8.610471	6.515985	6.559313	6.44058	7.063352	7.177797	7.327573	8.650838	8.46393	8.706463	9.078504	9.039405	9.0687	8.063833	8.015603	7.964034
PRKACB	ENSG00000142875	0.094216	5.675372	0.81774	0.424514	0.489583	-7.27971	5.964175	5.959918	5.916691	6.438717	6.310908	6.265599	6.704294	6.74433	6.636447	5.288691	5.207908	5.097381	4.941045	4.968095	4.879111	5.144327	5.112633	5.154286
PIGK	ENSG00000142892	-0.16779	4.899472	-1.56313	0.135947	0.180607	-6.29557	4.996565	5.048491	5.049003	5.338099	5.079986	5.242382	5.535185	5.695778	5.500968	4.710546	4.815334	4.862213	4.195506	4.367677	4.364231	4.808549	4.740443	4.762652
TINAGL1	ENSG00000142910	0.072637	4.808931	1.025445	0.319137	0.382519	-7.22212	2.27083	2.470453	2.5366	2.48816	2.520598	2.317553	1.525136	1.658879	2.087859	7.702844	7.700832	7.85785	7.840562	7.816108	7.847343	7.873293	7.843232	7.677843
AZIN2	ENSG00000142920	-0.08202	0.853767	-0.53913	0.596601	0.653746	-6.52839	1.430644	1.591918	1.585853	1.393812	0.92021	1.367251	0.886508	1.001115	1.01237	2.14259	2.135404	1.780195	2.162115	2.039797	2.058312	1.45147	1.547811	1.222783
RPS8	ENSG00000142937	-0.142	9.512244	-5.1467	7.41E-05	0.000227	0.489243	9.819089	9.802123	9.770329	9.629614	9.643986	9.591339	9.750811	9.767062	9.774333	9.375837	9.346569	9.300132	9.185052	9.263626	9.246176	9.284961	9.323873	9.382746
KIF2C	ENSG00000142945	-2.20889	4.380973	-8.14295	2.35E-07	1.60E-06	7.042816	5.104131	4.999934	4.913139	4.009923	4.071202	4.113606	4.83866	4.955186	4.758139	5.35583	5.27461	5.329196	2.439743	2.627242	2.257813	5.165907	5.176796	5.21089
PTPRF	ENSG00000142949	-0.01179	8.536822	-0.05673	0.955401	0.962999	-7.97029	8.890333	8.819417	8.914045	7.929349	7.914473	7.934224	8.35098	8.256095	8.284616	8.302146	8.444581	8.332086	9.188147	9.138614	9.142141	8.651754	8.616403	8.628326
MOB3C	ENSG00000142961	-0.19803	3.707136	-1.15522	0.263548	0.323373	-6.6121	4.165822	4.324392	4.345467	3.325575	3.188693	3.377995	3.586698	3.685883	3.543305	3.614613	3.761343	3.819506	4.046359	4.1851	3.86826	3.989359	3.961615	3.969186
TMEM61	ENSG00000143001	0.415698	-1.21458	1.494498	0.152881	0.200254	-5.38229	0.106501	0.106501	0.323815	0.258133	0.106501	0.106501	0.106501	0.253663	0.256032	1.352446	1.369793	1.248523	1.473091	1.766169	1.695314	1.948641	2.274787	1.703111
LMO4	ENSG00000143013	0.39085	4.433201	5.199438	6.63E-05	0.000206	1.253831	5.304069	5.214829	5.159101	5.569568	5.589722	5.528939	5.547145	5.550308	5.690258	3.385609	3.232543	3.513924	3.746669	3.903166	3.793113	3.478269	3.628139	3.477085
MTF2	ENSG00000143033	-0.48839	5.001302	-9.21879	3.97E-08	3.67E-07	8.628631	4.984965	4.830853	4.844488	4.171485	4.335505	4.365821	4.528631	4.677356	4.801363	5.737245	5.590297	5.71749	5.28231	5.324918	5.191054	5.513229	5.467424	5.531613
SLC44A3	ENSG00000143036	0.560321	2.350707	5.28259	5.57E-05	0.000177	1.67818	1.959273	2.009193	1.706811	2.255624	2.117603	2.402038	2.412257	2.029503	1.962896	2.777267	2.817048	3.203153	3.332595	3.495729	3.586098	3.254827	3.204393	3.021085
IGSF3	ENSG00000143061	0.267732	5.075885	1.611724	0.124932	0.167964	-6.30882	4.776503	4.511888	4.758481	5.388282	5.613956	5.494077	5.043928	4.860754	4.726452	5.04952	5.090242	5.058324	5.018734	4.994639	4.869998	5.733166	5.549795	5.635005
ZNF697	ENSG00000143067	-0.21266	4.150402	-2.30508	0.033667	0.052201	-5.0821	3.114469	3.461896	3.544167	3.342644	3.457132	3.27721	2.724622	2.894433	3.289427	5.24539	5.401479	5.329196	5.123815	4.968095	5.143946	5.486798	5.314612	5.470195
CTTNBP2N	ENSG00000143079	0.148409	5.217677	1.297563	0.211303	0.265606	-6.76541	5.394524	5.381559	5.363051	5.062262	5.217382	5.028711	5.396627	5.408281	5.463015	5.068969	5.12057	5.056239	5.514586	5.554375	5.568761	4.991566	5.054421	4.99276
STRIP1	ENSG00000143093	0.231416	5.06379	3.898101	0.001105	0.00247	-1.87001	4.186225	4.249682	4.43574	4.681208	4.537243	4.756563	4.637058	4.389749	4.592248	5.473087	5.672774	5.704234	5.76321	5.767769	5.808633	5.847385	5.823417	5.689918
PSMA5	ENSG00000143106	-0.18811	7.348935	-3.1031	0.006301	0.011711	-3.83008	7.658891	7.667999	7.626629	7.280506	7.179939	7.237379	7.378779	7.383585	7.386545	7.319	7.232673	7.270098	7.297695	7.297928	7.289867	7.344466	7.300149	7.293742
CELSR2	ENSG00000143126	0.478999	6.217984	2.441056	0.025547	0.040846	-5.07307	5.37392	5.424646	5.525355	6.655706	6.746323	6.850722	5.767627	5.629937	5.773239	6.464965	6.526746	6.380621	6.429681	6.261152	6.314389	6.797426	6.725401	6.65693
GPR161	ENSG00000143147	0.956924	3.98247	5.630427	2.70E-05	9.37E-05	2.088455	2.505419	2.308123	2.423483	4.424898	4.439897	4.271657	3.490873	3.535768	3.60036	4.553726	4.637993	4.460144	5.088219	4.994639	5.082154	4.717304	4.517274	4.703543
ALDH9A1	ENSG00000143149	0.010933	6.575952	0.258847	0.798777	0.832365	-7.74975	6.93168	6.955246	6.913236	7.016369	6.887915	6.865676	7.084024	7.077629	7.178636	6.115449	6.156567	6.236132	6.213485	6.160546	6.231428	6.209072	6.221476	6.204601
ATP1B1	ENSG00000143153	0.046032	8.358624	0.298654	0.768726	0.808101	-7.92161	7.780176	7.707498	7.701322	8.493203	8.463155	8.505578	7.776037	7.793792	7.801289	9.055016	9.054561	9.082017	8.480514	8.540005	8.562643	8.573175	8.581274	8.589925
TIPRL	ENSG00000143155	0.070666	6.516301	1.639795	0.118921	0.160747	-6.48156	6.503368	6.45852	6.511164	6.582157	6.4654	6.447223	6.57201	6.6022	6.656763	6.506313	6.516329	6.47808	6.624986	6.614876	6.619099	6.46067	6.461011	6.505438
NME7	ENSG00000143156	-0.04533	4.916487	-0.52871	0.603658	0.660209	-7.48929	4.564268	4.412648	4.470324	3.933121	3.923901	3.878271	4.057185	4.119235	4.103038	5.823198	5.768456	5.850985	5.935709	5.927843	6.033424	5.621323	5.47632	5.622786
POGK	ENSG00000143157	0.13338	7.194012	3.770426	0.001463	0.003172	-2.37369	7.032784	7.106683	7.107935	7.161705	7.204085	7.163668	7.359691	7.473613	7.398658	7.071519	7.017864	7.060347	7.233013	7.175015	7.234727	7.279408	7.267852	7.327261
MPC2	ENSG00000143158	0.128052	5.192508	2.038606	0.056911	0.083625	-5.59966	5.549554	5.690142	5.678645	5.92161	5.888253	5.842864	5.624444	5.798247	5.716303	4.58494	4.806033	4.883539	4.701546	4.853528	4.72927	4.664377	4.660745	4.646745
CREG1	ENSG00000143162	1.332516	7.525649	10.0152	1.16E-08	1.34E-07	9.705382	7.382121	7.457291	7.378378	9.249995	9.172174	9.203392	8.659499	8.716869	8.601295	6.108753	6.224465	6.215726	6.871543	6.992436	6.93386	6.830834	6.807877	6.84013
DCAF6	ENSG00000143164	1.298149	5.849387	15.81466	8.55E-12	5.64E-10	17.25393	5.528401	5.559632	5.56856	6.662519	6.495526	6.660892	6.225168	6.19874	6.295708	4.926979	5.003394	4.883539	6.390676	6.371043	6.471263	5.46375	5.585175	5.502565
GPA33	ENSG00000143167	-0.4052	-0.57299	-1.75632	0.096539	0.133702	-5.23625	0.318509	0.582935	0.219246	0.106501	0.106501	0.461789	0.106501	0.106501	0.256032	2.47802	2.453955	2.213454	2.193986	1.921808	2.312654	1.970607	2.101639	2.003758
TBX19	ENSG00000143178	0.434504	0.210862	2.369204	0.029576	0.046425	-4.02146	0.587539	0.582935	0.756332	1.104644	1.087782	0.746642	0.782422	0.726566	0.833554	1.76051	1.55885	1.49011	2.079215	1.462417	1.722572	1.320757	1.406038	1.370407
UCK2	ENSG00000143179	-0.33101	7.254543	-5.35371	4.80E-05	0.000156	1.099425	7.926316	7.895354	7.927151	7.727294	7.720856	7.728068	7.763276	7.768006	7.795192	6.879539	6.811811	6.937715	6.456206	6.350638	6.409706	6.950337	6.89089	6.833783
TMCO1	ENSG00000143183	1.849761	7.013359	23.89781	8.57E-15	5.03E-12	24.20689	5.565217	5.469231	5.547119	7.464263	7.459453	7.4737	7.652304	7.685333	7.700512	6.040025	6.094257	6.044325	7.81517	7.797383	7.813676	7.597461	7.60852	7.668957
POU2F1	ENSG00000143190	-0.00931	5.119605	-0.05734	0.954926	0.962767	-7.56471	5.294704	5.269425	5.281005	5.875441	5.815483	5.982028	5.35187	5.466025	5.355259	5.074478	5.258789	4.974681	4.437701	4.442428	4.595601	4.755763	4.83684	4.886383
MAEL	ENSG00000143194	0.735501	1.61243	14.80722	2.51E-11	1.18E-09	16.15361	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	6.769217	6.756554	6.651084	7.428619	7.444731	7.478561	7.780358	7.745437	7.756565
MGST3	ENSG00000143198	0.059074	5.240789	0.473228	0.641907	0.693942	-7.462	6.063102	6.124021	5.906203	5.687824	5.766907	5.637476	5.650549	5.891111	5.748211	4.596474	4.616873	4.69538	5.136171	5.104334	5.148978	4.500412	4.377068	4.45054
COP1	ENSG00000143207	-0.04411	6.050934	-0.44559	0.661364	0.711574	-7.61731	6.568285	6.589251	6.463319	6.261586	6.039053	6.25428	6.538451	6.515521	6.584368	5.591166	5.731269	5.66372	5.94276	5.870076	5.933444	5.628249	5.599495	5.560088
NECTIN4	ENSG00000143217	-0.25318	3.99786	-3.03486	0.007302	0.013351	-3.74799	2.568952	2.655462	2.558197	1.634586	1.373859	1.422231	1.917967	1.809233	1.873138	6.696055	6.69154	6.664835	6.555383	6.561622	6.48426	6.244437	6.303737	6.315044
UFC1	ENSG00000143222	0.288561	6.935184	4.866704	0.000134	0.000384	0.068328	7.361337	7.442692	7.325835	7.526272	7.449868	7.56433	7.405305	7.428817	7.388571	6.34588	6.316858	6.358792	6.752188	6.80268	6.78262	6.252304	6.292449	6.27031
PPOX	ENSG00000143224	-0.305	3.911961	-1.69365	0.108076	0.147683	-5.87577	5.042051	4.980813	5.018167	4.227693	4.149079	3.991672	4.339849	4.55497	4.339245	3.520882	3.439177	3.464463	3.870167	3.852467	3.856005	3.227721	3.2466	3.176297
NUF2	ENSG00000143228	-2.16666	3.602669	-8.51629	1.25E-07	9.44E-07	7.821892	4.433832	4.668265	4.388298	3.325575	3.34578	3.498018	4.520565	4.80814	4.654189	4.295234	4.278766	4.460144	1.573426	1.652223	1.749324	4.098126	4.145732	4.029672
RGS5	ENSG00000143248	-0.40196	1.364712	-2.75156	0.013379	0.022887	-3.35182	2.505419	2.152784	2.37563	2.518519	1.864131	2.164723	2.226405	2.108984	2.165532	1.676063	1.827525	1.759838	1.392977	1.357245	1.320349	1.482378	1.289746	1.58715
SDHC	ENSG00000143252	-0.34726	7.528307	-4.65133	0.000213	0.000578	-0.45675	8.053924	8.074677	8.01616	7.635917	7.492506	7.570428	7.934685	8.013679	7.934836	7.402404	7.409405	7.448426	7.238754	7.164013	7.209662	7.037467	7.000551	7.022335
PFDN2	ENSG00000143256	-0.74659	6.782726	-11.6656	1.12E-09	2.06E-08	12.14441	7.204311	7.202228	7.171496	6.173706	6.256968	6.202215	6.800697	6.806747	6.887738	7.014626	7.020547	7.050953	6.48467	6.439197	6.546597	7.03356	6.998236	7.04449
USP21	ENSG00000143258	-0.11731	5.38062	-3.06562	0.006833	0.012585	-3.69205	5.485141	5.404699	5.440682	5.472108	5.296516	5.408166	5.233498	5.210752	5.150819	5.606458	5.627733	5.680063	5.489122	5.487419	5.459595	5.321433	5.353756	5.362617
PRCC	ENSG00000143294	-0.20994	7.172555	-4.01822	0.000849	0.001959	-1.8355	7.242157	7.171358	7.232374	6.806339	6.953141	6.766914	7.066126	7.077629	7.081787	7.365805	7.258474	7.414236	7.331221	7.251603	7.240042	7.373095	7.391741	7.268865
RRNAD1	ENSG00000143303	-0.00304	5.25965	-0.04738	0.962744	0.969277	-7.6308	5.420591	5.234335	5.399401	5.161789	5.383668	5.179942	5.253102	5.228657	5.211591	5.46891	5.276856	5.443693	5.562678	5.421557	5.412251	5.095182	5.115482	5.098903
MRPL24	ENSG00000143314	-0.2323	7.213676	-4.17875	0.000597	0.001432	-1.47715	7.417788	7.445484	7.427609	6.964937	7.127997	7.026239	7.424884	7.42591	7.406678	7.197407	7.135774	7.263786	7.063839	7.143072	7.124734	7.172712	7.08221	7.176583
PIGM	ENSG00000143315	0.768105	5.073384	11.79882	9.40E-10	1.83E-08	12.48461	4.138162	4.204245	4.288462	5.132645	4.922581	5.175948	5.003988	4.949799	5.052019	5.104407	5.147822	5.137382	5.857021	5.755749	5.794253	5.501961	5.435851	5.554952
ISG20L2	ENSG00000143319	-0.57753	7.631139	-11.6823	1.10E-09	2.04E-08	12.09081	7.492736	7.518237	7.526103	6.778385	6.764994	6.781444	6.980512	6.955272	7.020395	8.42932	8.342668	8.444371	7.964689	7.932804	7.963998	8.209494	8.212117	8.189961
CRABP2	ENSG00000143320	-0.29669	4.573899	-5.91381	1.52E-05	5.70E-05	2.3199	1.12723	1.118985	0.964748	1.393812	1.006428	0.830331	1.160105	1.15884	1.727075	9.074735	8.94602	9.019309	8.698066	8.723778	8.699902	8.9454	8.9543	9.002776
HDGF	ENSG00000143321	-0.44341	9.310383	-8.45497	1.38E-07	1.03E-06	6.975902	9.480241	9.521162	9.477181	8.832225	8.950862	8.898999	9.060191	9.085038	9.071586	9.624584	9.542121	9.614565	9.287274	9.304867	9.274799	9.548493	9.511896	9.54371
ABL2	ENSG00000143322	-0.15317	6.979977	-1.91991	0.071343	0.102134	-6.06203	7.672213	7.43358	7.45521	7.033552	7.100083	7.218088	7.508824	7.601073	7.505203	6.543532	6.623457	6.372265	6.605122	6.591879	6.62272	6.707906	6.627978	6.638841
XPR1	ENSG00000143324	0.438745	7.244208	3.216329	0.004928	0.009376	-3.54427	7.329589	7.437092	7.371533	8.176642	7.958398	8.164805	8.46832	8.424789	8.469204	6.484753	6.569514	6.440202	6.616927	6.55371	6.62543	6.506498	6.53525	6.466311
RGS16	ENSG00000143333	-0.55532	0.731587	-1.92378	0.070824	0.101454	-4.58034	4.484137	4.609725	4.59048	4.092964	3.988879	3.878271	4.56045	4.59002	4.592248	0.190076	0.259702	0.288049	0.234608	0.26996	0.263213	0.393424	0.358227	0.106501
TOR1AIP1	ENSG00000143337	0.526487	6.892756	6.321048	6.74E-06	2.82E-05	3.136198	6.643993	6.66667	6.720785	7.504634	7.33897	7.351548	7.425964	7.559236	7.429489	6.476454	6.448212	6.460843	6.725177	6.828323	6.813054	6.652929	6.662488	6.594479
HMCN1	ENSG00000143341	1.569762	1.74722	4.041167	0.000807	0.001873	-0.71966	2.245129	2.125186	2.079636	4.161901	4.204846	4.745826	2.376953	2.568641	2.408535	1.787595	1.777644	1.538714	1.573426	1.428204	1.580823	1.13872	1.289746	1.058313
RGL1	ENSG00000143344	1.062288	3.039002	10.43236	6.26E-09	8.10E-08	10.74295	2.461454	2.470453	2.351095	3.041869	2.811499	2.94309	2.376953	2.255906	2.560038	3.471629	3.5985	3.573456	4.785003	4.467913	4.759194	3.366734	3.366281	3.55117
LYPLAL1	ENSG00000143353	-0.16371	5.307101	-2.2928	0.034508	0.053354	-5.10638	6.570874	6.629094	6.550756	6.392338	6.196355	6.297196	6.302469	6.243457	6.224904	4.323269	4.45968	4.271716	4.279599	4.354074	4.558265	4.142342	4.288934	4.299055
PRUNE1	ENSG00000143363	0.221261	5.325196	3.64326	0.001935	0.004089	-2.45455	4.888652	5.095468	4.929803	5.156973	4.831037	5.127141	5.152303	4.938965	5.112107	5.577652	5.54815	5.631871	5.93217	5.904702	5.821296	5.63686	5.597458	5.65194
RORC	ENSG00000143365	2.412811	0.837545	16.30343	5.19E-12	3.95E-10	17.69322	0.216396	0.316291	0.219246	0.395333	0.512209	0.563119	0.415731	0.253663	0.735084	2.664903	2.889287	2.558044	4.998573	4.944083	5.012085	3.281432	3.698248	3.487904
TUFT1	ENSG00000143367	-1.33469	6.271761	-4.66815	0.000206	0.000559	-0.30566	7.904932	7.728284	7.714005	5.137544	5.248674	5.080903	5.907184	5.983638	5.994232	6.631184	6.469968	6.560569	6.326528	6.278059	6.261939	5.989982	6.039887	6.028687
SF3B4	ENSG00000143368	-0.52475	7.874121	-8.03441	2.84E-07	1.89E-06	6.312305	7.943897	7.963656	8.009316	7.166506	7.221089	7.172715	7.471654	7.449959	7.544803	8.382621	8.283862	8.407019	8.058293	8.061138	8.027531	8.207761	8.252484	8.228775
ECM1	ENSG00000143369	0.058077	4.171911	0.236794	0.81557	0.847276	-7.06545	5.653347	5.554468	5.764758	5.996317	5.850871	6.089965	6.807343	6.59704	6.735283	2.990428	2.969234	3.00983	2.062048	1.993753	2.058312	2.448672	2.649824	2.760563
ZNF687	ENSG00000143373	-0.0537	6.005399	-1.11414	0.280306	0.341172	-7.12505	6.031501	5.994648	6.069258	5.878371	5.821441	5.916519	5.65424	5.550308	5.588176	6.268685	6.224465	6.290363	6.347048	6.285244	6.226676	6.154943	6.128608	6.086777

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CDCA7	ENSG00000144354	-1.67603	5.835444	-7.01223	1.79E-06	9.04E-06	4.663815	6.362559	6.307097	6.265822	5.667647	5.586227	5.617001	6.062473	6.214549	5.897954	6.566194	6.462095	6.569369	4.155599	4.13825	4.223448	6.465512	6.609903	6.438695
DLX1	ENSG00000144355	0.03297	0.311213	0.065704	0.948359	0.957502	-6.24607	3.373632	3.260998	3.638424	3.273122	3.867423	3.59692	2.858632	3.141256	2.697131	0.34397	0.398185	0.16959	0.46104	0.190544	0.106501	0.326864	0.504542	0.580851
UBR3	ENSG00000144357	0.185705	6.187186	2.211405	0.040595	0.061641	-5.46291	5.958255	6.115281	6.153254	6.530955	6.379154	6.492884	6.742939	6.784223	6.826285	5.970815	6.0278	5.808257	5.930988	5.866886	5.946508	6.081143	6.044381	6.084997
PHOSPHO2	ENSG00000144362	0.686385	1.347519	4.427923	0.000346	0.000886	0.10259	1.791852	1.420874	1.818408	1.688986	1.768674	1.919272	1.816207	1.809233	1.674905	1.586365	1.851833	1.653508	2.357702	2.433888	2.497588	1.681967	1.707432	1.81044
GULP1	ENSG00000144366	0.351549	5.97811	4.112075	0.000691	0.001631	-1.48842	6.075916	5.924332	5.999931	6.475936	6.366983	6.499291	6.371361	6.247853	6.327739	5.836229	5.646961	5.824276	6.018135	5.983386	6.0375	5.394346	5.474101	5.536833
FAM171B	ENSG00000144369	1.725357	3.909043	15.60191	1.07E-11	6.63E-10	17.1057	2.345296	2.49222	2.600444	3.605613	3.295295	3.608819	2.933443	3.122225	3.064594	4.332495	4.529155	4.257266	6.15902	6.147463	6.201469	4.552316	4.755137	4.703543
HSPD1	ENSG00000144381	0.102648	10.50801	0.798138	0.435501	0.500068	-7.73957	10.57962	10.57532	10.53761	11.23593	11.15718	11.16126	11.04585	11.09354	11.03208	10.23422	10.1819	10.1473	9.769828	9.764231	9.76818	10.27684	10.25465	10.3483
CCDC150	ENSG00000144395	-1.10999	0.846749	-4.06893	0.000759	0.001773	-0.49799	1.959273	1.708084	1.818408	1.519216	1.612488	1.757653	2.058296	2.290412	2.274723	1.555182	1.467416	1.585733	0.46104	0.671977	0.651457	1.65509	1.442809	1.942153
METTL21A	ENSG00000144401	-0.36155	5.369522	-2.93578	0.009037	0.016115	-3.83432	6.606636	6.65827	6.550756	6.585745	6.501105	6.475118	6.273964	6.333079	6.323509	4.707004	4.662249	4.60982	3.870167	3.896925	3.880413	4.591826	4.555551	4.422617
NBEAL1	ENSG00000144426	0.566722	3.561355	5.730996	2.20E-05	7.83E-05	2.437264	3.498536	3.61855	3.500214	4.190466	3.988879	4.379778	3.690999	3.659726	3.498982	3.420635	3.884278	3.360144	3.960951	3.896925	4.035179	3.227721	3.193646	3.340497
KANSL1L	ENSG00000144445	1.173732	2.532598	8.386572	1.55E-07	1.13E-06	7.627645	2.051128	1.849715	1.78216	3.020814	2.835252	3.445903	2.908934	2.871824	2.748518	2.722179	2.618839	2.546206	3.5452	3.410675	3.445943	2.782512	2.895091	2.687355
SPAG16	ENSG00000144451	0.159394	4.015939	1.556517	0.137507	0.18239	-6.20466	4.117062	4.249682	3.96379	3.827958	3.6964	3.907468	3.733489	3.90213	3.796224	4.098381	4.132653	4.382382	4.571104	4.645922	4.617548	4.083081	4.140146	4.058989
ABCA12	ENSG00000144452	-0.6771	1.292713	-4.18331	0.000591	0.00142	-0.85197	0.587539	0.499412	1.146821	0.934951	0.389229	1.055701	0.269385	0.253663	0.39151	4.207702	4.14254	3.977706	3.429485	3.495729	3.335521	4.088113	4.07722	4.280507
SUMF1	ENSG00000144455	0.74569	4.927437	14.33338	4.25E-11	1.74E-09	15.68657	5.217507	5.272573	5.152017	5.827747	5.95482	5.830214	5.115291	5.117737	4.973208	4.408616	4.251617	4.385707	5.105079	5.149657	5.168932	4.127753	4.298997	4.274271
RHBDD1	ENSG00000144468	0.072332	5.187402	0.654202	0.521497	0.583433	-7.34146	5.675165	5.630049	5.705507	5.359221	5.34696	5.37022	5.712047	5.916187	5.860491	4.581075	4.644965	4.60982	5.079714	5.037822	5.047545	4.777733	4.936897	4.844905
HES6	ENSG00000144485	0.479771	2.759927	2.288983	0.034774	0.053718	-4.57508	2.438959	2.206444	2.248556	3.325575	3.574682	3.472196	3.632324	2.938616	3.528681	2.736149	2.946841	2.893183	2.770846	2.657091	2.743612	3.333216	3.215061	2.896697
ANKMY1	ENSG00000144504	0.070862	3.652948	0.807555	0.430201	0.495179	-6.91621	3.991296	3.750846	4.109872	4.199863	4.231942	4.226032	3.690999	3.578282	3.879258	3.751589	3.767745	3.613714	3.725018	3.576046	3.494191	3.366734	3.404065	3.487904
COPS7B	ENSG00000144524	-0.49185	5.875597	-11.3357	1.75E-09	2.90E-08	11.76534	6.201502	6.130976	6.225897	5.67103	5.60362	5.738416	6.034424	6.001973	6.031013	6.119452	6.068559	6.127117	5.692458	5.564254	5.663227	5.791406	5.764723	5.789478
DIS3L2	ENSG00000144535	-0.14598	4.861898	-2.91504	0.009447	0.016767	-3.9277	4.888652	4.86879	4.887776	4.619522	4.635214	4.690911	4.591583	4.397684	4.585199	5.27918	5.285805	5.158919	5.239047	5.107039	5.097852	4.964456	5.018332	5.119922
FANCD2	ENSG00000144554	-2.03322	4.305731	-12.0801	6.50E-10	1.35E-08	13.01915	4.820675	4.756352	4.749122	3.661095	3.574682	3.733615	4.825625	4.976535	4.758139	5.257549	5.200828	5.216073	2.822733	2.784257	2.821313	5.080106	5.027439	5.084719
TAMM41	ENSG00000144559	-0.90867	3.219276	-7.7262	4.87E-07	2.96E-06	6.426456	4.433832	4.389636	4.339244	3.041869	3.260629	3.26222	3.705302	3.84524	3.572114	3.275122	3.330936	3.203153	2.781373	2.863205	2.80865	2.968656	2.813204	2.975687
VGLL4	ENSG00000144560	0.235066	6.065733	3.777669	0.00144	0.003125	-2.24387	5.792929	5.79457	5.920865	6.320926	6.225857	6.340657	6.100847	6.068104	6.091965	6.059601	5.965115	6.063138	6.091884	6.097994	6.051003	6.236527	6.16345	6.198027
RAB5A	ENSG00000144566	0.054704	5.809733	0.982437	0.33929	0.40328	-7.23659	5.857962	5.78137	5.819438	5.664257	5.677752	5.746517	5.422829	5.412203	5.392079	5.967858	5.936987	6.0621	6.107656	6.201634	6.208716	5.916914	5.930863	5.948712
RETREG2	ENSG00000144567	0.674683	6.686223	9.487879	2.60E-08	2.58E-07	8.890773	6.298404	6.353919	6.290225	7.180814	7.123181	7.146423	6.912793	6.805256	6.820294	6.449149	6.418004	6.511948	6.995403	7.043474	6.898444	6.49423	6.471059	6.404842
CTDSP1	ENSG00000144579	0.63777	6.785759	12.22929	5.36E-10	1.15E-08	12.90314	6.324716	6.293215	6.35026	7.003011	7.189185	7.091298	6.721988	6.66929	6.675138	6.597143	6.541766	6.603327	7.109465	7.14439	7.042626	7.00657	7.00363	7.024194
CNOT9	ENSG00000144580	-0.58589	6.646126	-5.84652	1.74E-05	6.40E-05	2.182622	6.835926	6.812224	6.850072	6.67099	6.610109	6.617379	6.843356	6.853653	6.738463	6.846112	6.882095	6.865722	6.005843	5.973041	5.914363	6.89685	6.865722	6.823142
STK11IP	ENSG00000144589	0.440752	5.002059	4.589203	0.000244	0.000651	-0.31501	4.984965	5.198371	5.126945	5.147291	5.342823	5.010886	4.744844	4.9659	4.713579	4.809665	4.948095	4.796278	5.607741	5.508039	5.517157	4.736662	4.822959	4.894538
GMPPA	ENSG00000144591	0.479223	5.478733	9.29094	3.54E-08	3.32E-07	8.73359	5.631194	5.654387	5.693359	6.187942	6.069414	6.164417	6.025902	5.893919	6.056723	4.880563	4.790397	4.86698	5.426782	5.265605	5.191054	5.044304	5.135275	5.268497
EAF1	ENSG00000144597	-0.49339	6.437478	-11.0876	2.47E-09	3.81E-08	11.34751	6.583748	6.526025	6.504227	6.049263	5.989635	6.072885	6.257073	6.493476	6.338259	6.883468	6.862788	6.872848	6.326528	6.457335	6.392838	6.550916	6.501879	6.523954
DYNC1LI1	ENSG00000144635	-0.25379	5.943741	-3.92191	0.001049	0.002358	-1.90671	6.35657	6.290111	6.217438	5.762655	5.818465	5.835287	6.068018	6.027768	6.054173	5.933409	5.838552	5.992924	5.784299	5.95963	5.861701	5.873853	5.917862	5.830433
RBMS3	ENSG00000144642	1.498241	2.642596	9.630625	2.08E-08	2.15E-07	9.621631	2.369288	2.332462	2.018628	3.851999	3.988879	3.9455	2.832807	2.938616	2.501332	2.543041	2.766797	2.638296	3.686328	3.666873	3.600863	2.034568	2.054898	2.252429
OSBPL10	ENSG00000144645	-0.20557	4.269439	-1.51809	0.146872	0.193123	-6.44018	3.774862	3.537122	3.755225	3.325575	3.502343	3.535905	2.412257	2.596487	2.471058	5.499947	5.555569	5.565981	5.396285	5.317927	5.384788	5.715389	5.789916	5.659138
POMGNT2	ENSG00000144647	0.173206	4.072354	2.130221	0.047636	0.071157	-5.19354	3.919992	3.8803	3.987862	4.316764	4.327153	4.337497	4.428731	4.59693	4.633836	3.926269	3.767745	3.886761	3.870167	3.884362	3.793113	4.545014	4.486784	4.299055
GASK1A	ENSG00000144649	-0.11562	-1.63545	-0.8456	0.409203	0.474307	-6.12689	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.814181	1.777644	1.46518	1.446877	1.495836	1.550722	1.599785	1.645686	1.58715
CSRNP1	ENSG00000144655	0.314176	4.383343	3.078671	0.006643	0.012272	-3.42319	4.066597	3.547555	4.02711	4.605448	4.621619	4.427589	4.792514	4.877874	4.825493	4.327889	4.278766	4.268117	4.337818	4.259953	4.419411	4.850615	4.83684	4.827974
SLC25A38	ENSG00000144659	0.0431	5.401282	1.059515	0.303789	0.366001	-7.06473	5.471352	5.509814	5.47515	5.576799	5.557954	5.532066	5.559008	5.543171	5.56328	5.328427	5.382832	5.337805	5.426782	5.370673	5.299114	5.410507	5.271824	5.236778
GOLGA4	ENSG00000144674	-0.22378	7.196006	-3.36647	0.003552	0.006988	-3.2639	7.419943	7.432877	7.45377	6.984099	6.931266	7.066704	6.880069	6.991116	6.930084	7.332857	7.435776	7.244686	7.250642	7.288424	7.365306	7.217031	7.208364	7.279023
CTDSPL	ENSG00000144677	0.293195	4.840919	4.692875	0.000195	0.000533	-0.05379	4.363907	4.318312	4.242513	4.772209	4.739596	4.908703	4.751751	4.802174	4.613192	4.957113	5.038233	5.016036	5.152484	5.152279	5.193492	5.408497	5.235609	5.417409
STAC	ENSG00000144681	0.790542	1.27973	3.62303	0.002023	0.004251	-2.02395	1.18244	1.374745	1.146821	0.258133	0.512209	0.461789	0.415731	0.387194	0.39151	3.196464	3.106888	3.38694	4.287006	4.116929	4.199397	3.717885	3.612085	3.831562
IQSEC1	ENSG00000144711	0.456584	5.127744	7.278099	1.09E-06	5.93E-06	5.216823	4.584905	4.47956	4.537101	4.955356	5.199191	5.135391	5.253102	5.127313	5.155586	4.883704	5.14044	5.079012	5.430131	5.4665	5.326021	5.83696	5.746454	5.747326
RPL32	ENSG00000144713	-0.07182	9.114491	-1.96528	0.065478	0.094662	-6.16056	9.13627	9.11606	9.063106	8.933571	8.972779	8.95017	9.114789	9.028987	9.111386	9.240267	9.17731	9.102117	9.111864	9.195816	9.213226	9.1579	9.220457	9.263261
PTPRG	ENSG00000144724	1.186866	4.659835	13.20041	1.59E-10	4.63E-09	14.3929	4.846543	4.756352	4.758481	5.762655	5.617385	5.837817	5.535185	5.306587	5.416114	3.403229	3.554746	3.451828	4.86637	4.916583	4.681452	4.161567	4.173346	4.044405
IL17RD	ENSG00000144730	0.357859	2.445593	3.39722	0.00332	0.00658	-2.52055	1.791852	2.068355	2.079636	2.063099	2.193078	1.956998	1.70672	1.367163	1.445026	3.552807	3.455132	3.360144	3.845296	3.927863	3.713835	3.617041	3.636099	3.840032
SHQ1	ENSG00000144736	0.076933	5.028247	1.593567	0.128956	0.172608	-6.34654	4.753899	4.649014	4.691656	4.674482	4.675247	4.735009	4.932837	4.753535	4.945952	5.154683	5.27461	5.383428	5.441792	5.343394	5.386919	5.546516	5.480747	5.515842
SLC25A26	ENSG00000144741	0.055382	4.460124	0.737344	0.470697	0.534109	-7.18997	4.478633	4.538284	4.564038	4.152252	4.447623	4.400463	4.462805	4.59693	4.482711	4.604112	4.588222	4.48516	4.739835	4.763781	4.775553	4.450484	4.504286	4.444998
UBA3	ENSG00000144744	-0.42106	6.326795	-7.8268	4.08E-07	2.55E-06	6.064561	6.503368	6.51809	6.4733	5.901593	5.896744	5.914123	5.985453	6.267473	6.162335	6.704962	6.655745	6.702654	6.344388	6.462627	6.410754	6.474188	6.37444	6.467678
ARL6IP5	ENSG00000144746	0.58001	7.017228	15.39892	1.32E-11	7.66E-10	16.71263	6.703003	6.760469	6.691769	7.20901	7.255606	7.210299	7.074414	7.01065	6.960366	6.765816	6.824149	6.770363	7.396878	7.439373	7.42512	6.988517	7.018932	7.014873
TMF1	ENSG00000144747	0.506643	5.804466	8.4093	1.49E-07	1.10E-06	7.15679	5.434871	5.480165	5.452263	6.183212	6.145011	6.192364	5.448564	5.484771	5.515873	5.852352	5.918406	5.81197	6.184032	6.16834	6.236164	5.747551	5.927624	5.782904
LRIG1	ENSG00000144749	0.510289	3.350281	3.121231	0.006058	0.0113	-3.00666	3.300651	3.505362	3.668523	4.290615	4.368438	4.358792	4.462805	4.497055	4.556652	3.013555	2.946841	2.735323	2.727949	2.850343	2.942182	2.843302	3.069818	2.975687
LIMD1	ENSG00000144791	0.492951	5.756305	6.050271	1.15E-05	4.50E-05	2.792808	6.459339	6.346469	6.42416	7.111553	7.03234	7.133096	7.066126	7.023528	6.943927	4.615493	4.662249	4.418544	4.659362	4.837324	4.708971	4.956223	4.881053	4.973643
NFKBIZ	ENSG00000144802	0.519396	4.655784	4.778942	0.000162	0.000454	0.205312	4.909255	4.929882	4.938064	5.775282	5.687572	5.882614	4.845133	4.819999	4.745547	4.408616	4.443776	4.246333	4.414217	4.442428	4.584502	3.830273	3.955266	4.073428
COL8A1	ENSG00000144810	0.896397	8.320389	12.64338	3.17E-10	7.63E-09	13.42881	9.941035	9.893523	9.906001	10.97409	10.92949	10.93221	10.3668	10.31477	10.31283	5.834606	5.949713	5.805777	6.50942	6.52668	6.554203	6.373703	6.440703	6.393378
NXPE3	ENSG00000144815	0.635967	4.427183	6.384291	5.95E-06	2.53E-05	3.678567	4.553837	4.677795	4.715879	5.587578	5.521816	5.441817	5.32896	5.412203	5.150819	3.584041	3.7289	3.733386	3.899458	4.005327	3.945482	3.967679	3.786722	4.022248
MYH15	ENSG00000144821	0.271262	0.640222	1.162098	0.260819	0.320522	-5.75369	2.461454	2.425906	2.446827	2.291228	2.85862	2.629332	1.588238	1.760835	1.777424	0.7264	0.89579	0.54756	0.787801	0.938214	0.957066	0.738851	0.504542	0.999041
PHLDB2	ENSG00000144824	0.125655	7.004999	0.534032	0.600046	0.657066	-7.69317	8.081871	8.034445	7.987096	7.283824	7.153021	7.22873	7.205974	7.207443	7.152644	6.227246	6.219803	6.235211	7.307288	7.318504	7.311907	6.177547	6.026323	6.163014
ABHD10	ENSG00000144827	-0.23521	4.878499	-4.97722	0.000106	0.000312	0.623899	5.409064	5.460976	5.455144	5.316663	5.064996	5.183924	5.482179	5.450851	5.515873	4.541844	4.521599	4.536922	4.348478	4.367677	4.288734	4.684453	4.605057	4.525965
RABL3	ENSG00000144840	-0.10597	4.587052	-1.04788	0.30897	0.371395	-6.89724	4.807565	4.733688	4.950366	5.046722	4.911451	5.203674	4.920629	4.87219	4.782996	4.476768	4.580969	4.621149	4.093589	4.293598	4.14503	4.526597	4.288934	4.433851
ATG3	ENSG00000144848	0.138572	5.467082	2.126661	0.047969	0.071632	-5.53707	5.064268	5.147837	5.148462	5.396478	5.114368	5.253794	5.590171	5.492201	5.779429	5.587318	5.570294	5.565981	5.703571	5.683261	5.723497	5.75548	5.690219	5.749576
SRPRB	ENSG00000144867	-0.09666	7.217534	-1.17947	0.254017	0.312918	-7.16537	6.806574	6.73673	6.803361	7.06988	7.037469	7.033983	7.179324	7.043896	7.081787	7.616264	7.543235	7.549726	7.207868	7.181448	7.178012	7.656669	7.662616	7.710542
TMEM108	ENSG00000144868	0.561858	-1.27043	2.326598	0.032239	0.050178	-4.11952	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	1.239286	1.827525	1.718241	2.193986	2.084417	2.058312	1.571317	2.078458	2.033602
EIF2A	ENSG00000144895	-0.26277	6.8412	-6.65875	3.50E-06	1.60E-05	3.791442	6.959605	6.943443	6.899554	6.605325	6.606662	6.526206	6.581733	6.590132	6.61411	7.204334	7.154216	7.21181	6.954124	7.037812	7.024944	6.785083	6.796379	6.881744
ALDH1L1	ENSG00000144908	0.390287	-0.71837	2.285973	0.034984	0.054026	-4.43845	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.387194	0.106501	2.635389	2.741	2.714318	2.968056	3.020741	3.096004	2.679583	2.741225	2.570068
OSBPL11	ENSG00000144909	-0.12643	4.656026	-2.08345	0.052184	0.077359	-5.47229	4.439509	4.50655	4.458888	4.687901	4.455308	4.499659	4.651903	4.55497	4.512744	4.908591	5.027603	4.92983	4.766576	4.686287	4.698713	5.09768	5.030462	4.950363
TRPC1	ENSG00000144935	1.225815	2.076749	7.766354	4.54E-07	2.79E-06	6.62393	2.461454	2.403106	2.492412	3.425084	3.560502	3.459109	2.376953	3.023117	2.501332	1.76051	1.265082	1.439812	2.357702	2.467968	2.365487	2.135245	2.212266	2.003758
NCEH1	ENSG00000144959	0.047467	5.738315	0.462795	0.649221	0.700625	-7.46318	6.648901	6.748083	6.639541	7.012375	6.954498	6.95578	7.120503	7.120214	7.105384	4.742042	4.602618	4.604122	4.352013	4.15926	4.342433	5.062316	4.975054	4.827974
LPP	ENSG00000145012	-0.16406	6.349584	-2.2685	0.036231	0.055679	-5.39526	6.641532	6.762709	6.71719	6.562258	6.366983	6.885376	6.464699	6.517343	6.559406	6.318285	6.473889	6.16921	6.121188	5.984858	6.167159	5.980541	5.896482	6.03792
TMEM44	ENSG00000145014	0.267825	2.671529	1.3127	0.20626	0.260025	-6.04803	3.408783	3.516026	3.707702	3.487804	3.242978	3.231764	3.632324	3.698786	3.655245	2.01088	1.989662	2.152295	2.822733	2.743101	2.95373	2.211015	2.124453	1.910335
RUBCN	ENSG00000145016	0.114929	4.049893	1.494054	0.152996	0.200342	-6.31238	3.420312	3.370829	3.83701	3.714523	3.546181	3.510758	3.928981	3.809996	3.796224	4.68196	4.580969	4.331562	4.607058	4.645922	4.70214	4.710794	4.617172	4.75819
AMT	ENSG00000145020	0.501873	0.397128	1.817043	0.086398	0.121138	-5.0129	1.336422	1.118985	1.146821	0.934951	0.625525	0.746642	0.670238	1.001115	0.833554	1.616888	1.588084	1.158083	2.343563	1.970168	2.312654	1.177011	1.206659	1.416439
TCTA	ENSG00000145022	0.605307	5.842018	10.32618	7.32E-09	9.16E-08	10.29225	5.93634	5.920324	5.887131	6.318771	6.358812	6.349549	6.005819	5.983638	6.0206	5.42646	5.376563	5.39172	6.142782	6.140876	6.139617	5.469547	5.387157	5.380146
NICN1	ENSG00000145029	0.53921	3.308148	5.934495	1.46E-05	5.50E-05	2.865585	2.833249	3.298545	3.309643	3.456785	3.630051	3.377995	3.072345	3.002451	2.981126	3.463254	3.715716	3.451828	4.25337	3.940055	4.109334	3.358427	3.422593	3.530388
DCAF1	ENSG00000145041	-0.40702	6.162109	-8.93236	6.28E-08	5.37E-07	8.022555	6.295276	6.137897	6.24766	5.809447	5.913577	5.889947	6.025902	6.030322	6.079477	6.45444	6.527689	6.47027	6.093997	6.034029	6.023869	6.39518	6.329738	6.535733
MANF	ENSG00000145050	0.373743	6.621716	3.774311	0.001451	0.003147	-2.30608	6.101207	6.086949	6.119151	6.946912	6.85634	6.907222	6.918943	6.831855	6.927299	6.493004	6.47975	6.481191	6.452093	6.512463	6.525471	6.987844	6.967809	6.873516
EAF2	ENSG00000145088	-1.81107	0.255053	-6.80731	2.63E-06	1.26E-05	4.923463	1.719036	1.708084	2.138168	0.841981	1.006428	0.657796	1.317361	1.15884	1.171446	1.676063	1.369793	1.562415	0.701742	1.120667	0.335616	1.099384	1.118494	1.273688
ILDR1	ENSG00000145103	1.2591	-0.70535	8.27241	1.88E-07	1.33E-06	7.462558	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.30136	2.42184	2.355887	3.714069	3.576046	3.454098	2.679583	2.711397	2.896697
TM4SF19	ENSG00000145107	-0.91532	0.139948	-2.33187	0.031898	0.049707	-3.97995	1.475543	1.744817	1.987129	0.635873	0.828511	1.055701	0.886508	0.387194	1.674905	1.158593	1.152172	0.993481	1.088368	0.938214	0.707101	1.482378	1.024588	1.461048
MUC4	ENSG00000145113	-0.0883	-0.46191	-0.50429	0.620355	0.675255	-6.72319	0.318509	0.215206	0.323815	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	2.817246	2.969234	2.7037	3.039964	2.784257	2.942182	2.283004	2.535313	2.374055
SLIT2	ENSG00000145147	-0.1604	4.327268	-1.02521	0.319244	0.382615	-6.95229	5.114814	5.130591	4.874926	3.921807	4.293254	4.308605	3.761137	3.578282	3.879258	4.421642	4.648439	4.692697	4.818614	4.837324	5.031287	4.047354	3.980496	3.930053
EIF2B5	ENSG00000145191	0.029083	5.8709	0.623997	0.540689	0.601596	-7.53227	5.663084	5.683061	5.70066	5.895822	5.830334	5.762585	5.597858	5.564476	5.574002	6.169215	6.086595	6.121144	6.114958	5.993658	6.11025	6.045367	6.113007	6.109724
ECE2	ENSG00000145194	-0.16332	4.643459	-1.41209	0.175482	0.22558	-6.5554	4.516725	4.34846	4.400306	4.576883	4.789085	4.761901	4.057185	3.868266	4.011347	5.267203	5.118067	5.267448	4.900573	4.743056	4.860827	5.146741	5.042491	5.004109
DGKQ	ENSG00000145214	0.779878	5.348022	12.69547	2.97E-10	7.22E-09	13.61346	4.569455	4.517206	4.647003	5.180897	5.593209	5.191857	4.330652	4.547856	4.563842	5.725037	5.723056	5.644417	6.555383	6.390053	6.456118	5.789862	5.873097	5.694596
FIP1L1	ENSG00000145216	-0.2759	4.665465	-4.58112	0.000248	0.000661	-0.26472	4.758449	4.856254	4.844488	4.517996	4.310303	4.337497	4.552561	4.547856	4.459769	4.835851	5.003394	5.011739	4.774502	4.767207	4.839198	4.77149	4.891066	4.946447
SLC26A1	ENSG00000145217	0.06973	0.518867	0.306641	0.76274	0.802934	-6.25038	2.762544	2.853456	2.900124	3.083078	3.170134	2.904994	3.315502	3.043491	3.00245	0.483018	0.462741	0.397516	0.234608	0.416769	0.335616	0.517985	0.504542	0.580851
LYAR	ENSG00000145220	-0.9253	6.057865	-10.7571	3.93E-09	5.59E-08	10.9084	6.304638	6.350944	6.219134	4.904536	4.922581	5.063714	5.928678	5.851216	5.903632	6.676264	6.658331	6.76335	6.098213	5.999495	6.034784	6.577998	6.539501	6.680701
CENPC	ENSG00000145241	0.365881	3.206093	2.894702	0.009867	0.017452	-3.55842	3.128595	2.784561	2.848472	3.162124	3.278066	3.572823	3.586698	3.477062	3.60036	3.284659	3.414909	3.538032	3.593793	3.766081	3.679472	3.290193	3.2466	3.267027
EPHA5	ENSG00000145242	2.638074	1.759891	11.74136	1.01E-09	1.93E-08	12.10104	4.044416	4.293732	4.131643	6.72406	6.685551	6.705903	5.157514	5.188055	5.165072	0.190076	0.185134	0.34382	0.828978	1.16289	1.002253	0.326864	0.19538	0.580851
ATP10D	ENSG00000145246	1.010037	4.9943	14.64355	3.00E-11	1.36E-09	16.04987	4.645102	4.614695	4.686762	5.768983	5.684306	5.622881	5.701383	5.813157	5.602211	4.19764	4.251617	4.182763	5.174616	5.029288	5.123642	5.004933	4.780497	4.906683
OCIAD2	ENSG00000145247	-0.87175	7.03423	-10.3247	7.33E-09	9.16E-08	10.16027	6.942715	6.93552	6.8588	5.98549	5.902377	5.902086	6.14086	6.136086	6.231692	8.019358	8.035927	8.046661	7.263371	7.255266	7.268063	7.958542	7.983595	7.986619
SCD5	ENSG00000145284	2.757196	4.051956	12.02186	7.01E-10	1.42E-08	12.95115	2.867343	3.012542	2.966237	4.778495	4.745876	4.604407	4.496094	4.316298	4.404775	2.790717	2.889287	2.796562	5.860749	5.968584	5.893528	4.203908	4.200441	4.170642
PLAC8	ENSG00000145287	-2.4667	1.092557	-7.68511	5.24E-07	3.16E-06	6.46982	4.527427	4.538284	4.657046	1.791994	1.768674	2.317553	2.858632	2.623806	2.723053	1.158593	1.07167	1.305813	0.745413	0.671977	0.862212	0.457048	0.358227	0.580851
ENOPH1	ENSG00000145293	-0.483	5.936591	-6.45201	5.22E-06	2.26E-05	3.478231	5.724825	5.873404	5.808216	5.720837	5.634408	5.581211	5.83422	5.682848	5.629879	6.505294	6.461107	6.542062	5.835713	5.882764	5.73358	6.335067	6.232019	6.285892
TRMT10A	ENSG00000145331	0.105836	2.920475	0.876007	0.392907	0.457839	-6.64281	3.056542	2.576149	3.190238	3.359513	3.093416	3.119801	2.981245	3.446787	3.453254	3.165825	2.912585	2.855308	2.862939	3.077028	2.930541	3.200096	3.356678	3.30423
KLHL8	ENSG00000145332	0.030927	5.050761	0.363001	0.720957	0.766256	-7.5207	4.321496	4.14364	4.109872	4.440838	4.478119	4.440963	5.093706	5.237527	5.296047	5.458414	5.56479	5.421185	5.368624	5.366162	5.433027	5.845901	5.893164	5.870258
SNCA	ENSG00000145335	0.688625	1.812184	2.299749	0.03403	0.052689	-3.97421	6.697091	6.73673	6.625544	7.354948	7.335852	7.324744	7.089487	7.093593	7.141874	0.106501	0.185134	0.106501	0.171976	0.345231	0.263213	0.183756	0.2791	0.315289
PYURF	ENSG00000145337	0.066661	5.420328	1.503582	0.150543	0.19753	-6.54052	5.173901	5.25994	5.231457	5.333837	5.33034	5.30954	5.223595	5.233099	5.2343	5.577652	5.586681	5.586355	5.589884	5.614563	5.680705	5.800633	5.789916	5.635005
TBCK	ENSG00000145348	0.21883	3.782358	3.029389	0.007389	0.013489	-3.45473	4.131163	4.065935	3.801232	4.367681	4.186495	4.372816	3.555458	3.592179	3.373665	4.026306	3.919204	3.973292	4.241981	4.078843	3.968435	3.508614	3.385297	3.466183
CAMK2D	ENSG00000145349	1.09654	5.844311	4.968182	0.000108	0.000317	0.410726	4.842264	4.756352	4.85325	6.902998	6.877943	6.89634	5.850398	5.874148	5.85464	5.59692	5.686355	5.643029	5.984361	5.921708	5.892029	6.04666	6.072518	6.154551
CISD2	ENSG00000145354	-0.17402	5.744748	-2.28038	0.035379	0.054529	-5.28799	5.616234	5.575013	5.56323	5.654037	5.72937	5.686023	6.059692	5.975709	6.059269	5.982583	5.807818	5.928267	5.445106	5.548415	5.570637	5.891232	5.951743	5.861964
DDIT4L	ENSG00000145358	0.745542	1.454602	2.413107	0.027049	0.042888	-3.87984	3.911847	3.714268	3.500214	4.367681	4.384626	4.337497	4.487843	4.373746	4.364168	0.609835	0.462741	0.639567	0.907968	1.077171	1.002253	0.326864	0.358227	0.315289
ANK2	ENSG00000145362	-0.62155	3.880126	-3.90257	0.001094	0.00245	-1.53258	4.381709	4.418344	4.611291	4.416862	4.408574	4.524999	4.011872	3.809996	4.021828	4.222665	4.314187	4.190389	3.083152	3.213858	3.206318	3.730814	3.529023	3.621636
TIFA	ENSG00000145365	-0.30384	3.092325	-2.10582	0.049962	0.07435	-4.98103	3.710582	3.686213	3.607684	2.688367	2.948483	3.152687	3.705302	3.619579	3.721038	2.881509	2.935512	3.060643	3.236398	3.065945	2.833866	3.083983	3.422593	3.364179
SPATA5	ENSG00000145375	-0.45684	3.974001	-3.94651	0.000994	0.002252	-1.42601	4.780982	4.925889	4.866295	4.612502	4.537243	4.67402	4.034706	4.421231	4.404775	3.695491	3.992097	3.829308	3.288992	3.109775	3.263113	3.658228	3.579432	3.660409
CCNA2	ENSG00000145386	-1.82234	4.819167	-6.11365	1.02E-05	4.02E-05	3.101137	5.207561	5.181722	5.141325	4.821743	4.688349	4.67402	5.440037	5.650007	5.392079	5.591166	5.542561	5.724072	2.791825	3.009215	2.756856	5.501961	5.453977	5.448204
METTL14	ENSG00000145388	0.156318	5.338145	2.995279	0.007952	0.014381	-3.86072	5.0569	4.787496	4.822347	5.041505	4.801196	4.879531	4.751751	4.814082	4.819498	5.806744	5.787484	5.925985	6.059811	6.110184	6.026606	5.739577	5.777374	5.776299
USP53	ENSG00000145390	-0.7895	5.542016	-9.57707	2.26E-08	2.30E-07	9.161731	6.211491	6.045222	6.151479	5.092847	4.928114	5.110498	5.527156	5.506949	5.574002	5.981118	5.881985	5.788295	5.271149	5.445273	5.326021	5.414519	5.487362	5.600528
SETD7	ENSG00000145391	0.431464	8.015918	4.981908	0.000105	0.000309	0.253302	8.437554	8.450782	8.460487	9.165287	9.183207	9.200938	8.979372	8.981599	8.946519	7.084545	7.011808	7.000334	7.106852	7.107706	7.130469	7.404701	7.376973	7.381211
NAF1	ENSG00000145414	-0.53055	4.753083	-7.1168	1.47E-06	7.64E-06	5.017388	5.35902	5.430295	5.267957	4.869634	4.894593	4.72957	5.178171	5.310795	5.504708	4.521821	4.648439	4.783729	4.037603	4.298341	4.174939	4.684453	4.482376	4.4056
MARCHF1	ENSG00000145416	0.509265	1.890792	2.308237	0.033454	0.051911	-4.30867	2.416107	3.142112	1.954926	3.376187	3.012388	3.016392	2.303642	2.753138	2.560038	1.964162	1.529011	1.780195	1.935792	2.169719	1.639204	1.759719	1.795362	1.844513
RPS3A	ENSG00000145425	-0.06812	9.992126	-1.976	0.064158	0.093037	-6.18424	10.34655	10.33525	10.28775	10.34225	10.25014	10.23712	10.34598	10.39041	10.362	9.786589	9.699623	9.643153	9.549355	9.65672	9.655463	9.609156	9.653673	9.73423
PDGFC	ENSG00000145431	-0.08767	5.101581	-1.21924	0.238953	0.296129	-6.87462	5.190829	5.147837	5.159101	4.821743	4.831037	4.793524	4.599263	4.728586	4.482711	5.41565	5.419887	5.440499	5.511428	5.464391	5.534564	5.340537	5.419802	5.317842
CBR4	ENSG00000145439	-1.66049	4.458962	-6.75722	2.90E-06	1.37E-05	4.463377	6.25238	6.288557	6.34561	4.190466	3.956756	4.027574	5.83422	5.991525	5.983548	4.087524	3.992097	3.91004	3.429485	3.512154	3.387537	3.31616	3.603991	3.698167
CYP4V2	ENSG00000145476	0.764497	4.312054	14.17469	5.08E-11	1.96E-09	15.54238	3.96004	4.065935	3.971859	4.778495	4.701332	4.798728	4.31208	4.38177	4.151567	4.119853	4.186209	4.09204	4.823716	4.869552	4.810905	4.46216	4.283876	4.197255
NDUFS6	ENSG00000145494	-0.4107	5.984288	-7.51056	7.16E-07	4.11E-06	5.551473	6.539499	6.519415	6.508393	5.993618	6.044157	6.081451	6.257073	6.369847	6.401828	5.676959	5.778001	6.009185	5.451713	5.493636	5.555558	5.824952	5.819927	5.826176
MARCHF6	ENSG00000145495	0.200368	7.517536	2.810441	0.011809	0.020459	-4.45923	7.116673	7.128565	7.133336	7.585725	7.560882	7.687966	7.392103	7.433649	7.410671	7.712593	7.778574	7.671876	7.688403	7.657644	7.679276	7.608011	7.594289	7.623074
NKD2	ENSG00000145506	-1.16483	3.468092	-3.57647	0.002241	0.004646	-1.97567	5.496078	5.541478	5.748412	3.740513	4.040879	3.926609	5.35187	4.922558	5.252213	1.704765	2.303453	2.152295	2.749557	2.467968	2.10048	2.807136	2.741225	2.84714
ADAMTS16	ENSG00000145536	0.574208	-0.53162	1.889146	0.07558	0.107531	-4.55535	2.245129	2.152784	2.446827	2.791417	3.112982	2.5075	1.70672	1.809233	1.620777	0.190076	0.185134	0.449284	0.352262	0.26996	0.263213	0.257084	0.19538	0.106501
SRD5A1	ENSG00000145545	0.122455	6.268743	3.031331	0.007358	0.013441	-3.88919	5.53637	5.559632	5.581801	5.737065	5.565074	5.786355	6.062473	6.014928	6.09693	6.660783	6.67034	6.666203	6.784602	6.756895	6.775317	7.014522	6.948761	6.990354
MYO10	ENSG00000145555	-0.32971	7.695373	-2.65001	0.016568	0.027661	-4.79695	7.868572	7.897394	7.899394	7.767348	7.739857	7.828796	7.193345	7.236492	7.201865	8.034276	7.977749	7.876879	7.481631	7.400749	7.472051	7.946816	7.916959	7.908241
OTULINL	ENSG00000145569	-0.38408	2.60132	-1.1575	0.262641	0.322427	-6.53395	1.719036	1.883052	2.194417	3.342644	3.394558	3.391835	1.160105	1.082132	1.171446	3.792275	3.997554	3.919248	3.091636	3.173121	3.042931	4.000079	4.11758	4.029672
RPL37	ENSG00000145592	0.073431	9.283055	1.860635	0.079706	0.112691	-6.33946	9.429619	9.407446	9.423219	9.535099	9.573358	9.476498	9.425397	9.361457	9.432568	9.134633	9.132746	8.995429	9.026628	9.180483	9.179812	9.077786	9.136142	9.210143
SKP2	ENSG00000145604	-1.09658	5.520352	-22.7043	2.04E-14	8.56E-12	23.33711	6.022073	6.059873	5.990033	4.927344	5.008661	4.969954	5.574674	5.653324	5.512161	6.124772	5.92128	6.078631	4.938696	4.941053	5.017597	5.780566	5.701643	5.751822
OSMR	ENSG00000145623	0.745508	7.984036	3.894649	0.001114	0.002486	-2.11447	8.461467	8.485111	8.516377	9.939715	9.793566	9.901156	9.182171	9.138698	9.230818	6.685294	6.792318	6.703987	6.712168	6.588011	6.646042	7.059413	7.019692	7.004551
PLK2	ENSG00000145632	-0.71415	7.857352	-3.1891	0.005229	0.009899	-3.68017	9.176556	9.086179	9.076497	7.521595	7.449868	7.456518	8.059623	8.091569	7.988586	7.508468	7.472003	7.641251	7.748659	7.71907	7.760423	7.285993	7.224293	7.289883
PIK3R1	ENSG00000145675	1.440114	6.063531	4.602989	0.000237	0.000634	-0.41935	4.410898	4.527784	4.464617	7.277181	7.164786	7.307506	6.330422	6.310139	6.258527	6.234645	6.240664	6.208233	6.55615	6.559648	6.636221	5.672477	5.735381	5.736026
LHFPL2	ENSG00000145685	-0.04883	6.052374	-0.38354	0.705945	0.753223	-7.64574	6.829454	6.844314	6.811251	7.029605	7.077854	7.081724	5.943836	6.025209	6.178819	5.691372	5.747555	5.762948	5.333285	5.493636	5.337086	5.482982	5.309644	5.406045
SSBP2	ENSG00000145687	0.563095	4.746477	5.222021	6.32E-05	0.000198	1.119374	5.128936	5.095468	5.075454	5.325276	5.152684	5.265117	4.659269	4.837607	4.72003	4.368817	4.411431	4.220495	5.164598	5.24855	5.248442	4.276243	4.07722	4.190648
ANKRD31	ENSG00000145700	-0.13114	-0.51193	-0.56524	0.579098	0.637164	-6.24558	0.742531	0.582935	0.598525	0.52061	0.389229	0.563119	0.269385	0.253663	0.735084	1.073118	1.265082	1.188864	1.308151	0.986036	1.247156	1.250674	1.368306	1.370407
RASA1	ENSG00000145715	-0.22166	6.983892	-2.80669	0.011903	0.020613	-4.43342	6.676807	6.655861	6.574795	6.272761	6.30028	6.287974	6.314182	6.303819	6.119063	7.608215	7.5567	7.540432	7.439877	7.412828	7.477561	7.747337	7.809753	7.842848
GIN1	ENSG00000145723	-0.01696	3.366831	-0.15959	0.875036	0.897791	-7.12574	3.603403	3.896716	3.586821	3.80351	3.560502	3.797394	3.928981	3.946081	3.733845	3.058725	3.414909	3.400153	3.004458	3.487446	3.290693	3.26375	3.204393	3.162857
PPIP5K2	ENSG00000145725	0.525693	5.522319	6.525429	4.52E-06	2.00E-05	3.698283	5.237197	5.421814	5.378308	5.990913	5.907988	5.961294	5.767627	5.893919	5.745052	5.264796	5.329736	5.329196	5.652873	5.781385	5.781349	5.163525	5.201146	5.184529
PAM	ENSG00000145730	0.54026	7.357741	8.863251	7.03E-08	5.91E-07	7.796549	7.183318	7.250125	7.122505	7.521595	7.444087	7.479383	7.097643	7.141635	7.13947	7.132208	7.190408	7.134364	7.860869	7.875635	7.950011	7.346043	7.372215	7.363696
BDP1	ENSG00000145734	0.255353	6.397765	4.079824	0.000742	0.001735	-1.61547	6.102997	6.274494	6.235982	6.643705	6.539568	6.726528	6.53044	6.590132	6.528503	6.232183	6.420038	6.138988	6.302974	6.356335	6.424306	6.503676	6.457646	6.470408
GTF2H2	ENSG00000145736	-0.53632	3.843921	-6.38866	5.90E-06	2.51E-05	3.789581	4.707601	4.706012	4.725456	3.999198	3.988879	4.045196	4.606901	4.569092	4.482711	3.744695	3.619889	3.596598	3.36795	3.310934	3.396027	3.43152	3.297679	3.530388
SLC30A5	ENSG00000145740	0.042086	6.703514	0.91108	0.374648	0.439413	-7.37742	6.911398	6.970834	6.929899	7.192629	7.050211	7.093417	7.079914	7.117814	7.093013	6.408288	6.409841	6.460843	6.318418	6.340326	6.359583	6.423327	6.334638	6.433107
BTF3	ENSG00000145741	-0.15675	9.06147	-4.11592	0.000685	0.001619	-1.74205	9.416726	9.381255	9.345782	9.123308	9.121457	9.086192	9.271994	9.237063	9.20834	8.966494	8.895393	8.923328	8.832274	8.91522	8.895773	8.822831	8.840923	8.872863

FBXL17	ENSG00000145743	0.27123	4.935489	4.29066	0.000467	0.001154	-0.94594	4.744758	4.893538	4.734969	5.241304	5.244245	5.199746	4.908318	5.043815	4.934903	4.920876	5.000678	5.047868	5.096674	5.162721	5.115953	4.84468	4.874338	4.698895
TNFAIP8	ENSG00000145779	-1.89303	3.795772	-14.8974	2.27E-11	1.11E-09	16.33706	5.049495	5.091908	5.079193	3.619685	3.112982	3.292047	4.6145	4.696781	4.640652	3.938405	4.127684	3.964424	2.25569	2.48471	2.257813	4.113016	4.100421	4.229846
FEM1C	ENSG00000145780	-0.10204	5.350154	-1.75628	0.096547	0.133702	-6.1798	5.096964	4.830853	4.913139	4.944216	4.987618	5.068031	4.87074	4.610649	4.745547	6.035795	5.948304	5.95761	5.810235	5.781385	5.810222	5.769645	5.898138	5.913032
COMMD10	ENSG00000145781	-0.19245	5.339481	-3.40139	0.00329	0.006525	-2.93463	5.603648	5.564777	5.533555	5.380038	5.171467	5.223158	5.624444	5.80423	5.673738	5.300492	5.157605	5.288917	5.182581	5.112436	5.181264	5.304237	5.35134	5.314806
ATG12	ENSG00000145782	0.130656	6.535549	1.227435	0.235935	0.292898	-7.05605	6.39067	6.396385	6.339387	6.046662	5.960231	6.057773	6.179794	6.286829	6.271759	6.764964	6.724824	6.721856	7.19906	7.180806	7.240042	6.661395	6.768586	6.746376
YIPF5	ENSG00000145817	0.276328	6.661427	8.280369	1.86E-07	1.31E-06	6.864383	6.851978	6.903387	6.949439	7.227506	7.264382	7.144381	6.928119	6.991116	6.981997	6.208578	6.202186	6.258977	6.487887	6.429501	6.468246	6.299712	6.297477	6.284342
ARHGAP26	ENSG00000145819	-0.02557	4.634358	-0.25073	0.804946	0.837829	-7.50521	4.25866	4.249682	4.02711	4.487626	4.58706	4.814227	4.13321	4.307901	4.296723	5.107097	5.285805	5.10547	4.96664	4.811013	4.891173	4.994249	5.101177	5.091828
DDX46	ENSG00000145833	0.163993	6.736479	2.799863	0.012077	0.020886	-4.42098	6.242672	6.260292	6.176132	6.617648	6.630615	6.663747	6.346481	6.411592	6.323509	7.094747	7.159703	7.128918	7.080985	7.112427	7.13174	6.983799	7.079294	7.070815
RNF145	ENSG00000145860	0.090421	7.163712	1.042829	0.311238	0.373932	-7.29317	7.398972	7.441294	7.326622	7.813991	7.747701	7.84963	7.58525	7.452818	7.490186	6.88582	6.998941	6.85016	6.668881	6.657954	6.698464	6.744224	6.793713	6.737337
FBXO38	ENSG00000145868	0.144499	5.782202	3.409184	0.003235	0.00643	-3.02924	5.677569	5.656799	5.494882	5.714295	5.697326	5.786355	5.469665	5.510612	5.577558	6.004393	6.009009	6.072454	6.170079	6.2029	6.17458	5.81588	5.753789	5.780706
PCYOX1L	ENSG00000145882	-0.06153	4.820237	-0.53826	0.597188	0.654288	-7.42609	5.167074	5.095468	5.20089	5.077635	5.024245	5.110498	4.254886	3.913244	4.16108	5.066207	4.995233	5.049965	5.117597	5.049122	4.845411	4.826728	4.897703	4.878182
TNIP1	ENSG00000145901	-1.02124	7.129792	-4.98343	0.000105	0.000308	0.295627	8.370417	8.324897	8.326896	6.361268	6.559313	6.48806	7.194613	6.94041	7.060342	7.099483	7.089887	7.225793	6.91103	6.938007	6.865198	6.970235	6.962279	6.852741
G3BP1	ENSG00000145907	-0.38466	8.546903	-10.1785	9.10E-09	1.10E-07	9.859896	8.879933	8.925221	8.863441	8.469603	8.428439	8.418258	8.878453	8.920949	8.871724	8.520433	8.503786	8.47942	8.17916	8.148772	8.211938	8.383321	8.374079	8.460304
ZNF300	ENSG00000145908	0.512222	1.577518	3.757219	0.001507	0.003257	-1.94753	0.587539	0.410755	0.219246	0.52061	0.625525	0.106501	0.269385	0.622068	0.735084	4.782995	4.732663	4.518865	5.162586	5.24855	5.178806	4.961717	5.203826	5.280993
N4BP3	ENSG00000145911	0.115969	1.030511	0.444489	0.662144	0.712305	-6.59148	1.755904	1.591918	1.853768	1.326771	1.006428	0.984419	0.886508	0.915275	1.674905	1.388276	2.053933	1.986992	2.096181	2.517623	2.312654	1.970607	1.82352	1.775544
NHP2	ENSG00000145912	-0.5003	7.06687	-6.92598	2.10E-06	1.04E-05	4.302683	7.527133	7.520887	7.526103	6.694449	6.798609	6.704517	6.915871	6.951234	6.942549	7.296785	7.214042	7.348446	7.051932	7.027851	7.051386	6.970916	6.975672	6.887883
RMND5B	ENSG00000145916	0.360491	5.623557	4.776649	0.000163	0.000456	0.032252	5.598583	5.60029	5.787794	5.85774	5.885412	5.914123	6.177231	6.070587	6.091965	5.213289	5.245089	5.201052	5.713225	5.659495	5.663227	5.371825	5.377692	5.347846
BOD1	ENSG00000145919	-0.21798	5.823219	-2.43466	0.025883	0.041296	-5.00927	6.34754	6.410744	6.410867	5.863665	5.818465	5.822571	5.847177	5.935393	6.01011	5.530331	5.613586	5.682768	5.703571	5.695898	5.708238	5.674151	5.578995	5.642288
CPLX2	ENSG00000145920	1.612932	0.41212	6.426212	5.49E-06	2.36E-05	4.216536	5.000411	5.08834	5.086643	6.648861	6.700177	6.749552	5.791286	5.929932	5.88366	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
FAM50B	ENSG00000145945	0.394875	2.531901	3.90232	0.001095	0.002451	-1.51198	1.927307	2.039077	1.744977	1.578054	1.718467	2.098749	1.160105	1.367163	1.826075	3.831846	3.811781	4.012537	4.323482	4.372183	4.351192	3.97313	3.779553	3.571657
MYLK4	ENSG00000145949	0.094599	0.457722	0.614619	0.546725	0.606843	-6.2919	1.18244	1.226787	1.256574	1.104644	1.006428	1.367251	1.160105	1.231675	1.0941	1.457372	1.07167	1.305813	1.336984	1.282615	1.610309	1.387593	1.329561	1.504318
TBC1D7	ENSG00000145979	-0.52779	4.143543	-6.52559	4.52E-06	2.00E-05	3.919271	4.635242	4.604738	4.595711	3.887325	3.616407	3.936085	3.965091	3.879643	4.011347	4.443094	4.54415	4.618325	4.245787	4.132949	4.27499	4.236002	4.189664	4.274271
FARS2	ENSG00000145982	0.047697	3.320814	0.498445	0.624384	0.678759	-7.0673	3.810347	3.57841	3.322321	3.408969	3.207016	3.584921	3.258446	3.178579	3.162566	3.42926	3.463043	3.470739	3.629193	3.599295	3.658454	3.603046	3.394711	3.591857
GFOD1	ENSG00000145990	-0.0314	2.252767	-0.20134	0.84276	0.869751	-6.77513	2.9807	2.674627	2.94999	2.999448	3.426184	2.865864	3.050103	3.335526	3.064594	2.243849	2.249583	2.07201	1.689764	1.871771	2.161508	2.229352	2.146913	2.033602
CDKAL1	ENSG00000145996	-0.49619	4.054709	-10.0715	1.07E-08	1.24E-07	10.11735	4.199669	4.190995	4.208773	3.661095	3.832443	3.828257	3.719464	3.672864	3.771595	4.678347	4.630987	4.719298	4.167687	4.148793	4.247105	4.240529	4.367537	4.305185
ZMAT2	ENSG00000146007	-0.10949	6.78121	-2.25847	0.036964	0.056721	-5.47646	6.787781	6.874671	6.700292	6.569526	6.589306	6.460417	6.479338	6.465436	6.59318	6.998053	6.975626	7.046758	6.977203	7.07422	6.984701	6.891823	6.879199	6.959593
KLHL3	ENSG00000146021	0.080717	1.220703	0.490718	0.62973	0.683171	-6.43137	1.755904	1.780637	1.78216	1.519216	1.864131	1.840725	2.446718	2.481727	2.408535	1.352446	1.588084	1.333627	1.27873	1.622273	1.749324	1.759719	1.645686	1.626848
DCDC2	ENSG00000146038	-0.01171	-0.1481	-0.03243	0.9745	0.97876	-6.23184	2.589523	2.55562	2.661582	3.142765	2.686486	2.961768	1.816207	1.809233	1.777424	0.415169	0.583785	0.449284	0.171976	0.345231	0.186984	0.326864	0.19538	0.315289
H2BC1	ENSG00000146047	0.622067	-1.2976	4.452386	0.000329	0.000847	0.180728	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.865926	2.032826	2.038602	2.412911	2.657091	2.433049	1.599785	1.795362	1.910335
TRIM7	ENSG00000146054	0.914049	2.942206	3.922994	0.001046	0.002353	-1.10912	4.014302	4.006672	3.88052	5.0571	5.257491	4.979151	4.428731	4.389749	4.570996	1.457372	1.851833	1.718241	1.776519	1.819936	1.610309	2.448672	2.37332	2.302316
TRIM41	ENSG00000146063	0.991351	5.87646	8.391061	1.54E-07	1.12E-06	7.170583	5.233934	5.201677	5.261389	6.493236	6.635697	6.505669	6.635005	6.682341	6.812769	5.149472	5.299125	5.26203	5.939239	5.900029	5.80545	5.832469	5.8459	5.77188
HIGD2A	ENSG00000146066	0.188278	6.132396	4.366664	0.000396	0.000997	-0.93618	6.593965	6.549574	6.601043	6.756263	6.797098	6.604065	6.434968	6.48419	6.519286	5.600742	5.645223	5.670552	5.865704	5.892207	5.876944	5.715389	5.655395	5.521118
FAM193B	ENSG00000146067	0.123656	4.273161	1.92801	0.070262	0.10076	-5.67949	4.059241	4.073175	4.16017	4.384261	4.360275	4.113606	3.916741	3.935218	3.979442	4.588795	4.487097	4.512795	4.687622	4.509412	4.639165	4.563199	4.656838	4.665927
TNFRSF21	ENSG00000146072	0.041457	6.77814	0.588019	0.564041	0.623439	-7.70874	5.353017	5.224615	5.408347	5.180897	5.07001	5.055043	4.437325	4.119235	4.279358	8.823736	8.761062	8.81635	8.952434	8.888143	8.98834	8.362444	8.434665	8.361917
RNF44	ENSG00000146083	-0.04173	6.159649	-0.37157	0.714682	0.760664	-7.74008	6.129578	6.03228	6.044605	5.472108	5.661235	5.550692	4.599263	4.637703	4.654189	7.031718	6.992806	7.085103	7.283415	7.260137	7.258201	6.594891	6.586473	6.455328
MMUT	ENSG00000146085	0.296623	4.849365	4.388789	0.000377	0.000957	-0.73787	4.296689	4.324392	4.307715	4.562385	4.614773	4.67402	4.6445	4.603806	4.849226	5.167627	5.226618	5.185873	5.458289	5.453801	5.471694	5.077578	5.121165	5.19777
RASGEF1C	ENSG00000146090	0.58838	0.994097	2.646853	0.016678	0.027835	-3.93601	0.667115	0.661886	0.829201	0.395333	0.730585	0.106501	0.548589	0.824004	0.629397	3.246125	3.076267	3.133657	3.845296	3.871689	3.951255	3.227721	3.149837	3.121769
DOK3	ENSG00000146094	0.111121	0.581992	0.535316	0.599177	0.656266	-6.31601	1.235614	1.508929	1.453818	1.688986	2.03796	1.757653	1.588238	1.15884	1.564539	1.199504	1.190799	1.387696	1.088368	0.888753	1.17005	1.250674	1.118494	1.170016
ABT1	ENSG00000146109	-0.7594	5.352634	-10.0791	1.05E-08	1.23E-07	9.952868	5.53637	5.455446	5.431935	4.333937	4.400635	4.473866	4.87074	4.992342	4.866774	6.116785	6.018435	6.198812	5.586887	5.438844	5.605829	5.965579	5.842463	5.91704
PPP1R18	ENSG00000146112	-0.69883	6.40929	-5.47945	3.69E-05	0.000124	1.440563	7.113125	7.047266	7.183705	6.059623	6.371051	6.25428	6.481417	6.395831	6.481819	6.351563	6.226791	6.387272	5.892659	5.776294	5.787815	6.620299	6.604842	6.658128
PRIM2	ENSG00000146143	-0.76259	3.966416	-10.1343	9.71E-09	1.15E-07	10.2236	3.633432	3.920993	3.707702	3.181227	2.737798	2.885561	3.788265	3.798055	3.733845	4.908591	4.796672	5.062485	4.211164	4.250194	4.279586	4.814634	4.699246	4.857474
LGSN	ENSG00000146166	1.865804	1.595103	8.990235	5.72E-08	4.98E-07	8.529847	3.643304	3.750846	3.755225	5.514147	5.450555	5.503669	4.225415	4.357565	4.388669	0.483018	0.462741	0.230035	0.787801	1.203912	0.957066	0.457048	0.69947	0.315289
FGD2	ENSG00000146192	0.004488	-0.86454	0.019626	0.984564	0.987337	-6.73303	0.106501	0.106501	0.106501	0.106501	0.25478	0.2349	0.269385	0.106501	0.106501	2.817246	2.303453	2.724859	2.28558	2.533802	2.433049	1.809319	2.124453	2.033602
ANO7	ENSG00000146205	0.302112	0.881417	1.468358	0.159774	0.207941	-5.62881	0.882475	0.661886	1.256574	0.742604	1.087782	1.475193	1.160105	1.082132	1.171446	1.865926	2.320972	1.933468	1.954519	2.533802	2.294605	2.192442	2.315011	1.739782
RPL7L1	ENSG00000146223	-0.52909	8.108835	-11.4366	1.53E-09	2.61E-08	11.73011	8.406008	8.405973	8.389225	7.707665	7.694314	7.698445	8.058927	8.075582	7.982563	8.395608	8.37762	8.403538	8.002862	8.000946	8.046867	8.149676	8.123941	8.137676
NFKBIE	ENSG00000146232	-1.00241	3.715291	-4.31282	0.000445	0.001106	-0.5705	4.945613	4.933864	5.134153	3.162124	3.242978	3.016392	4.185161	3.946081	4.122646	3.709722	3.494263	3.754117	3.557503	3.560336	3.437743	3.685048	3.511821	3.601852
CYP39A1	ENSG00000146233	0.926723	0.927609	5.376329	4.57E-05	0.000149	2.145966	1.235614	1.002471	1.453818	2.143217	1.373859	1.757653	1.459147	1.082132	1.314712	1.315703	1.335727	1.360915	1.878105	2.084417	2.058312	1.903678	1.766644	1.844513
TPBG	ENSG00000146242	0.074561	5.973344	0.986266	0.33746	0.401306	-7.26682	5.382786	5.381559	5.3383	5.277258	5.283625	5.268872	5.115291	5.083711	5.207006	6.548489	6.534276	6.565709	6.702506	6.714939	6.729866	7.032255	6.9335	6.901097
IRAK1BP1	ENSG00000146243	0.042417	2.309832	0.2673	0.792367	0.827396	-6.86931	2.688195	2.853456	3.24453	2.548252	2.333126	2.5075	2.637802	2.540248	2.588518	2.605258	2.212518	2.447834	2.822733	2.729118	2.858649	2.35157	2.354144	2.252429
PHIP	ENSG00000146247	-0.13239	5.032574	-1.39007	0.181959	0.232841	-6.63324	4.730936	4.501192	4.887776	4.881362	4.883243	4.98829	4.908318	4.703199	4.945952	5.524305	5.691415	5.290692	5.235223	5.101623	5.13383	5.246891	5.339201	5.417409
MMS22L	ENSG00000146263	-1.39983	3.82549	-9.67664	1.94E-08	2.03E-07	9.60017	4.12413	3.863696	3.947516	3.273122	3.531716	3.26222	4.079318	4.221128	3.957772	4.652797	4.712893	4.623968	3.083152	2.784257	3.116699	4.61293	4.442079	4.582581
FAXC	ENSG00000146267	0.639164	2.3703	6.073202	1.10E-05	4.32E-05	3.258721	2.19231	2.039077	2.423483	3.041869	2.633282	2.605775	1.240874	1.605065	1.826075	3.013555	3.044983	3.109727	3.675081	3.528394	3.679472	2.782512	2.813204	2.778299
PNRC1	ENSG00000146278	0.928371	3.990991	4.867656	0.000134	0.000383	0.612144	4.473109	4.629503	4.579961	5.036268	4.960875	5.135391	5.077304	4.938965	4.956916	2.868884	2.792142	2.766268	4.179675	4.269646	4.25179	3.043104	3.116085	2.79582
PM20D2	ENSG00000146281	-0.19261	4.674733	-2.22621	0.039418	0.060053	-5.20417	4.450796	4.495815	4.504099	4.562385	4.65537	4.580436	4.87074	4.955186	4.866774	4.948139	4.995233	5.01818	4.615908	4.689902	4.492489	4.859472	4.787661	4.836464
RARS2	ENSG00000146282	0.187672	4.984439	3.939172	0.00101	0.002283	-1.70495	5.184082	5.140963	5.183625	5.456512	5.33034	5.338414	5.038289	5.331655	5.256657	4.759247	4.726103	4.788762	4.893312	4.901075	4.970056	4.817667	4.706825	4.744721
TBC1D32	ENSG00000146350	0.122086	1.731963	0.963702	0.34834	0.412557	-6.32674	2.109269	2.179863	2.109199	2.103714	2.333126	2.258349	1.70672	1.549165	2.047395	2.121457	2.095243	2.382761	2.225168	2.433888	2.276326	1.926335	2.392244	2.06284
RNF217	ENSG00000146373	0.276888	3.532775	3.58459	0.002202	0.004579	-2.04091	4.500523	4.538284	4.470324	4.778495	4.819175	4.879531	4.568297	4.533523	4.819498	2.708071	2.753956	2.592986	2.770846	2.743101	2.895043	2.692858	2.726388	2.59029
RSPO3	ENSG00000146374	-0.48332	2.44826	-1.34253	0.196603	0.249174	-5.46097	7.639293	7.595689	7.631094	7.158094	7.042579	7.150499	7.821884	7.86134	7.881165	0.269074	0.524532	0.16959	0.46104	0.26996	0.335616	0.257084	0.358227	0.106501
ARHGAP18	ENSG00000146376	0.132027	4.159432	2.056147	0.055018	0.081052	-5.40761	4.439509	4.55906	4.59048	4.540361	4.529983	4.562192	3.965091	3.999201	4.112876	4.207702	3.958911	4.16352	4.290695	4.349511	4.338034	3.945668	3.961615	3.840032
ABRACL	ENSG00000146386	0.503349	4.469561	9.727368	1.79E-08	1.92E-07	9.512598	3.983545	4.014214	3.979882	4.495279	4.408574	4.323123	4.154215	3.89093	4.08316	4.75239	4.562677	4.801266	5.231389	5.208795	5.236673	4.832737	4.826442	4.906683
SLC18B1	ENSG00000146409	0.010324	3.791171	0.149339	0.882996	0.904525	-7.28296	3.58303	3.829904	3.88052	3.999198	3.6964	3.59692	3.928981	3.967564	4.00079	3.825326	3.958911	3.955502	3.884887	3.981932	3.945482	3.956715	4.041704	4.087723
MTFR2	ENSG00000146410	-1.54276	1.90873	-3.83143	0.00128	0.00281	-1.14487	2.725848	2.836538	2.399755	2.548252	2.660129	2.532704	2.884002	3.083395	2.670735	2.790717	2.561038	2.724859	0.701742	0.837535	0.651457	2.611312	2.48331	2.81313
SLC2A12	ENSG00000146411	2.071173	2.132983	28.6436	3.90E-16	7.93E-13	26.71312	0.41387	0.499412	0.756332	1.519216	1.373859	1.367251	0.886508	0.915275	0.515351	3.77884	3.947677	3.722908	5.840755	5.78983	5.781349	4.504182	4.525868	4.444998
SHPRH	ENSG00000146414	-0.09757	4.362736	-1.32688	0.201624	0.254676	-6.52611	4.574623	4.594711	4.652033	4.619522	4.58706	4.427589	4.792514	4.837607	4.592248	4.404248	4.228596	4.362268	4.344933	4.073319	4.189664	4.067877	4.242761	4.229846
AIG1	ENSG00000146416	0.333203	4.934646	3.899222	0.001102	0.002465	-1.81209	4.245758	4.150501	3.96379	4.960893	4.745876	4.656929	4.709802	4.819999	4.983968	5.032639	5.256515	5.216073	5.286012	5.430226	5.253122	5.742772	5.574859	5.713156
DYNLT1	ENSG00000146425	-0.14408	6.150493	-1.6461	0.117605	0.159119	-6.45233	6.05942	6.166948	5.992018	5.70112	5.419464	5.448454	5.665257	5.640007	5.716303	6.611424	6.613718	6.591136	6.725859	6.702469	6.750703	6.456784	6.385107	6.456705
TIAM2	ENSG00000146426	-0.44625	1.159944	-2.15904	0.045018	0.067629	-4.56046	2.137484	2.179863	2.049454	1.182548	1.307481	1.123626	1.160105	1.231675	1.0941	1.98771	1.875739	2.272125	2.062048	2.250257	1.923865	2.095813	1.645686	1.703111
TMEM181	ENSG00000146433	0.427434	6.062785	8.465069	1.36E-07	1.01E-06	7.264663	6.194805	6.173699	6.183099	6.647144	6.562874	6.59512	6.618096	6.704901	6.663472	5.424305	5.581239	5.430875	5.909553	5.889066	5.889024	5.695742	5.694037	5.692259
WTAP	ENSG00000146457	-0.48303	6.37505	-5.39594	4.39E-05	0.000144	1.27916	7.050513	7.087148	7.095987	6.36336	6.161547	6.408603	7.006734	7.037562	7.069211	6.027299	6.025131	6.137016	5.864467	5.873258	5.884506	5.966946	6.01263	6.019396
ZMYM4	ENSG00000146463	0.061762	6.229448	1.50544	0.150069	0.197071	-6.6426	6.150496	6.172014	6.078628	6.299232	6.133083	6.326315	6.398022	6.207795	6.271759	6.249332	6.283738	6.208233	6.270646	6.261152	6.24324	6.311593	6.321123	6.299774
ARMT1	ENSG00000146476	0.005386	4.95557	0.090976	0.928546	0.941703	-7.54644	5.139438	5.227863	5.090354	5.156973	4.928114	5.215396	5.228555	5.310795	5.102264	4.948139	4.824575	4.825955	4.900573	4.879081	4.947129	4.838721	4.755137	4.740203
VWDE	ENSG00000146530	0.607229	2.943705	4.628505	0.000224	0.000604	0.072985	2.505419	2.748839	2.514675	2.181668	2.193078	2.481849	2.340763	2.220554	1.873138	3.805587	3.780465	3.48321	4.43437	4.513497	4.472558	3.818209	3.85652	3.669942
GNA12	ENSG00000146535	0.784678	6.877515	4.373327	0.00039	0.000984	-0.98403	6.805475	6.760469	6.764407	8.233225	8.203379	8.237981	7.646756	7.595047	7.667519	6.124772	6.101878	6.124133	6.195885	6.087072	6.142143	6.507438	6.410854	6.447035
C7orf50	ENSG00000146540	0.065676	6.337638	0.606982	0.551667	0.611518	-7.58507	6.466308	6.519415	6.545359	6.638531	6.932643	6.647975	6.14086	6.260962	6.267362	6.01159	6.185546	6.355404	6.128422	6.167044	6.064381	6.467445	6.413172	6.199673
SDK1	ENSG00000146555	0.532518	-0.3832	2.64169	0.016859	0.028121	-3.30887	4.212988	4.115866	4.242513	4.576883	4.764552	4.844735	4.023335	4.019913	4.198517	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
WASH2P	ENSG00000146556	-0.38966	1.655636	-2.56805	0.019658	0.032283	-3.88426	2.27083	2.125186	2.446827	2.063099	1.768674	1.310092	1.762502	1.549165	1.777424	2.356666	2.546219	2.369387	2.28558	2.06228	2.513282	1.992244	1.981819	2.226823
CCZ1B	ENSG00000146574	0.311634	4.738994	6.032036	1.20E-05	4.65E-05	2.780294	3.928091	4.17089	4.167214	4.562385	4.529983	4.194794	4.293266	4.273815	4.313883	5.157281	5.157605	5.141322	5.401413	5.489494	5.430962	5.344748	5.391866	5.411738
C7orf26	ENSG00000146576	-0.19839	5.107328	-3.27879	0.004301	0.008312	-3.15989	5.340935	5.369848	5.332045	5.009799	5.326156	4.942007	5.490461	5.339915	5.416114	5.068969	5.077414	5.087205	5.020957	4.959137	4.820398	5.036515	5.02441	5.044977
RBAK	ENSG00000146587	-0.42768	5.097949	-6.32394	6.70E-06	2.81E-05	3.37002	5.544295	5.493717	5.741349	4.988267	4.950037	5.010886	5.213624	5.408281	5.287386	5.138995	5.150274	5.070772	4.836392	4.804359	4.94134	4.991566	4.877699	5.098903
CREB5	ENSG00000146592	-0.47405	4.027168	-1.97868	0.063831	0.092609	-5.49142	4.909255	4.682536	4.913139	3.21869	3.012388	3.335661	4.205428	3.988732	4.042563	4.065562	4.200477	3.891447	4.25337	4.298341	4.423569	4.137495	4.268595	4.347382
EGFR	ENSG00000146648	1.550516	6.878422	9.893615	1.39E-08	1.56E-07	9.576546	6.310846	6.280761	6.365652	8.352305	8.279482	8.479892	7.994144	7.891156	7.914591	5.424305	5.601093	5.344656	6.41031	6.357472	6.427415	6.943412	6.848696	6.870419
CDCA5	ENSG00000146670	-2.37335	5.527565	-10.3485	7.08E-09	8.93E-08	10.42378	5.633672	5.512479	5.538996	4.532944	4.648682	4.57438	5.639419	5.746369	5.696813	6.94566	6.799366	6.966314	3.830164	4.005327	3.933868	6.802028	6.672199	6.777574
IGFBP3	ENSG00000146674	0.5974	8.693537	3.120691	0.006065	0.011312	-3.82232	9.586718	9.633011	9.597932	9.88524	9.856037	9.954731	11.09166	11.03123	11.11089	6.479572	6.85153	6.592576	7.547488	7.692743	7.652509	7.332854	7.387032	7.309074
PURB	ENSG00000146676	-0.58725	7.035057	-8.1503	2.32E-07	1.59E-06	6.596592	7.127264	7.178928	7.21803	6.301416	6.366983	6.423838	7.291411	7.338951	7.299852	7.281385	7.356233	7.180563	6.8517	6.851098	6.897697	7.347092	7.253693	7.275124
RPL32P18	ENSG00000146677	0.075834	2.129992	0.798977	0.435027	0.499645	-6.52745	2.416107	2.332462	2.469799	2.359902	2.633282	2.581827	2.513265	2.255906	2.501332	2.461296	2.437987	2.328504	2.28558	2.581279	2.433049	2.317694	2.429363	2.528753
IGFBP1	ENSG00000146678	0.237716	0.184682	0.892404	0.384299	0.44891	-5.90987	5.049495	4.921884	5.05661	5.320976	5.217382	5.302231	4.920629	4.944392	5.026224	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
MDH2	ENSG00000146701	-0.10232	8.310467	-2.77283	0.01279	0.021987	-4.58016	8.478801	8.50365	8.484655	8.310624	8.369164	8.280447	8.519301	8.523278	8.613906	8.15033	8.083534	8.263251	8.150768	8.106804	8.124277	8.264987	8.243394	8.202332
POMZP3	ENSG00000146707	0.26443	3.815846	2.449361	0.025116	0.040198	-4.45233	4.664623	4.813666	4.85325	5.097883	4.933626	4.864722	5.032629	5.078784	5.041756	2.679436	2.912585	3.00983	3.303673	3.282491	3.075009	2.890155	2.680939	2.81313
NIPSNAP2	ENSG00000146729	-0.07846	5.249244	-1.46144	0.16164	0.20993	-6.56242	5.167074	5.158086	4.990634	5.16659	5.109506	5.041937	5.115291	5.416115	5.229787	5.430762	5.461948	5.507659	5.246665	5.432385	5.352435	5.479156	5.435851	5.445432
CCT6A	ENSG00000146731	-0.30602	8.339538	-6.43494	5.39E-06	2.33E-05	3.232611	8.030136	8.027474	8.041778	7.859172	7.806713	7.812811	7.876624	7.930659	7.767435	8.941464	8.887698	8.918888	8.481926	8.573407	8.552711	8.895857	8.880622	8.913055
PSPH	ENSG00000146733	-0.33702	4.555954	-2.22313	0.039661	0.060397	-5.1799	4.688657	4.663476	4.725456	3.674639	3.683372	3.797394	4.779054	5.068879	4.912549	4.738576	4.729387	4.855034	4.836392	4.804359	4.785281	4.691084	4.847164	4.898598
ZNF92	ENSG00000146757	-0.17577	3.887841	-2.51844	0.021787	0.035395	-4.51259	3.397161	3.57841	3.384088	3.591402	3.531716	3.548316	3.841036	3.619579	3.759121	4.497421	4.361514	4.338442	4.076593	4.116929	4.160062	4.623367	4.70304	4.689552
ATXN7L1	ENSG00000146776	0.271474	0.697154	0.691637	0.498251	0.560894	-6.08639	3.349713	3.428416	3.565652	3.487804	3.588725	3.498018	3.315502	3.318907	3.437684	0.190076	0.398185	0.34382	0.562188	0.550009	0.812339	0.576451	0.637375	0.106501
TMEM168	ENSG00000146802	0.079332	5.270243	0.940498	0.35978	0.424447	-7.09651	5.699026	5.697188	5.783216	6.110336	5.976344	6.081451	6.119658	5.962395	6.157591	4.707004	4.692848	4.711369	4.437701	4.480488	4.519937	4.758922	4.864208	4.869935
MAP11	ENSG00000146826	-0.16804	4.873479	-1.85022	0.081262	0.114618	-5.88432	5.282121	5.384472	5.552509	5.004446	5.084948	4.849758	5.147073	4.987092	5.097318	4.762664	4.514003	4.862213	4.745223	4.770624	4.851597	4.687772	4.542904	4.515429
SLC12A9	ENSG00000146828	0.34855	5.258578	7.308147	1.03E-06	5.65E-06	5.196827	4.702888	4.522504	4.636889	4.99368	5.104628	5.110498	4.462805	4.273815	4.512744	5.783387	5.9054	5.878389	6.182047	6.13691	6.11025	5.70396	5.720484	5.675793
GIGYF1	ENSG00000146830	-0.04706	5.221222	-0.99853	0.331646	0.395283	-7.13449	5.451823	5.398948	5.506038	5.320976	5.313527	5.411567	4.87074	4.753535	4.745547	5.534334	5.566627	5.442097	5.514586	5.443133	5.559343	4.877024	5.098298	4.898598
TRIM4	ENSG00000146833	0.020125	5.949306	0.292451	0.773385	0.811919	-7.65332	6.734516	6.73102	6.660909	6.55861	6.438513	6.521493	6.43067	6.371863	6.310744	5.293423	5.355466	5.430875	5.609219	5.629696	5.643753	5.280253	5.279468	5.274758
MEPCE	ENSG00000146834	-0.09839	6.352003	-1.45042	0.16465	0.21325	-6.73293	6.099415	6.279197	6.188303	6.323078	6.393224	6.34244	6.400221	6.425243	6.481819	6.566194	6.460119	6.589695	6.279957	6.185083	6.230242	6.513997	6.457646	6.44842
TMEM209	ENSG00000146842	-0.71965	5.796235	-7.43354	8.23E-07	4.64E-06	5.449651	6.650126	6.632773	6.621703	5.615935	5.454395	5.688828	6.556314	6.373876	6.453066	5.558123	5.538823	5.603592	5.26928	5.208795	5.108223	5.469547	5.482955	5.557523
AGBL3	ENSG00000146856	0.276005	0.5369	1.392055	0.181367	0.232157	-5.50186	1.069823	1.420874	1.54317	1.791994	1.864131	1.422231	1.525136	1.658879	1.564539	1.199504	1.029669	1.219002	0.982856	1.120667	1.390007	1.017342	1.2488	0.93723
ZC3HAV1L	ENSG00000146858	0.086868	3.535635	0.84512	0.409464	0.474571	-6.77921	4.044416	4.101775	4.153091	4.245952	4.186495	4.138446	4.185161	3.978187	4.16108	3.024981	3.373534	2.826234	3.173846	3.088026	3.137101	3.26375	3.366281	3.56145
TMEM140	ENSG00000146859	0.5632	1.014973	2.289909	0.034709	0.053636	-4.26895	1.384302	1.374745	1.202741	2.325974	1.768674	2.029614	1.160105	0.824004	1.171446	1.732907	1.403073	1.73919	1.548989	1.970168	2.058312	1.734264	2.124453	1.973284
TLK2	ENSG00000146872	-0.36593	5.907471	-7.38756	8.95E-07	4.98E-06	5.302071	6.095825	6.132709	6.149702	5.68113	5.529116	5.614052	5.764215	5.746369	5.809985	6.167928	6.13939	6.162441	5.844525	5.950619	5.958022	5.943536	6.039887	6.052569
EPHA1	ENSG00000146904	-0.30353	0.786449	-5.16581	7.11E-05	0.000219	1.021029	0.216396	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.610256	5.561109	5.631871	5.287859	5.341097	5.326021	5.660702	5.585175	5.567757
NOM1	ENSG00000146909	-0.83626	5.714512	-12.0208	7.02E-10	1.42E-08	12.73473	6.402344	6.386249	6.437331	5.277258	5.419464	5.268872	5.879071	5.819078	5.85464	5.915104	5.898124	5.935092	5.302552	5.284851	5.36978	5.64542	5.578995	5.710849
NCAPG2	ENSG00000146918	-1.48787	5.291327	-8.71813	8.92E-08	7.18E-07	7.872996	6.094026	6.139622	6.061717	5.307999	5.226392	5.276352	6.127646	6.301706	6.150445	5.593087	5.523772	5.57329	3.409264	3.445301	3.600863	5.461813	5.384796	5.437082
SHROOM2	ENSG00000146950	-0.43088	1.6964	-1.55279	0.138392	0.183445	-5.69574	1.069823	1.277811	1.30847	2.103714	1.612488	1.799787	1.389995	1.491012	1.01237	2.736149	2.753956	2.911754	2.225168	2.016959	2.18129	3.617041	3.955266	3.707454
LUC7L2	ENSG00000146963	-0.21239	4.463373	-2.8816	0.010148	0.017883	-3.86936	4.620325	4.682536	4.48731	4.612502	4.58706	4.702062	4.528631	4.759705	4.654189	4.607916	4.609763	4.637978	4.279599	4.179969	4.237689	4.469892	4.547132	4.335451
DENND2A	ENSG00000146966	-0.63027	-1.16538	-2.02831	0.058049	0.085088	-4.56986	0.216396	0.106501	0.323815	0.106501	0.25478	0.2349	0.106501	0.106501	0.256032	1.52331	1.752042	1.631268	0.982856	1.032323	1.355599	1.903678	2.212266	2.14716
CLTRN	ENSG00000147003	-1.27615	0.324997	-3.44998	0.002958	0.00595	-1.87113	1.519087	1.374745	1.499186	0.258133	0.106501	0.3528	0.886508	1.15884	0.735084	2.056133	2.074736	1.986992	1.797417	1.591687	1.826726	1.784732	2.212266	1.703111
SH3KBP1	ENSG00000147010	-0.34074	7.735964	-1.45392	0.163689	0.212198	-6.81845	8.622349	8.575509	8.591941	8.990182	8.916479	8.952215	8.362871	8.307017	8.370665	7.272425	7.146867	7.244686	6.02922	6.112879	6.108959	7.24996	7.289463	7.264939
TMEM47	ENSG00000147027	1.50166	1.641175	7.645372	5.62E-07	3.36E-06	6.412939	3.487617	3.439663	3.819232	4.949796	5.104628	5.046319	4.057185	3.946081	3.968647	0.415169	0.640699	0.594297	0.828978	1.320413	0.957066	0.789161	0.572487	0.409347
SYTL5	ENSG00000147041	-1.50792	1.624352	-5.88254	1.62E-05	6.02E-05	2.908083	2.629805	2.356396	2.514675	0.258133	0.389229	0.657796	0.269385	1.001115	0.629397	4.318634	4.423646	4.238998	3.27416	3.263212	3.186878	3.103995	3.32748	3.176297
CASK	ENSG00000147044	-0.13616	5.770738	-1.54787	0.13957	0.184784	-6.53932	5.546927	5.421814	5.440682	5.762655	5.757614	5.622881	5.360933	5.45466	5.367637	6.222291	6.23143	6.225965	5.839496	5.8476	5.866291	6.226292	6.03538	6.140906
KDM6A	ENSG00000147050	0.325201	5.281736	4.994024	0.000102	0.000302	0.501631	4.610293	4.639292	4.59048	5.147291	4.955466	5.118843	4.932837	4.905964	4.99996	5.790099	5.781169	5.641639	5.984361	5.981913	5.937812	5.62652	5.627716	5.518482
MSN	ENSG00000147065	-0.71832	7.752962	-5.83535	1.78E-05	6.53E-05	2.119031	9.340078	9.319813	9.289394	8.32304	8.412737	8.392675	9.147565	9.128601	9.15875	6.472287	6.506792	6.42493	6.052224	6.050991	6.034784	7.158429	7.25434	7.264939
CCNB3	ENSG00000147082	-1.74164	1.468236	-11.7591	9.91E-10	1.90E-08	12.35036	2.884092	2.966631	2.966237	1.457877	1.612488	1.669505	2.545421	2.650616	2.34318	2.121457	2.338281	1.839597	0.982856	0.986036	1.046067	2.034568	1.707432	1.58715
HDAC8	ENSG00000147099	0.444904	4.563535	7.828786	4.06E-07	2.54E-06	6.364331	4.846543	4.901694	4.874926	5.290513	5.257491	5.234723	4.956946	5.078784	5.150819	3.938405	4.077032	4.063257	4.49639	4.541772	4.440084	4.057652	3.986735	4.129778
SLC16A2	ENSG00000147100	1.151643	1.783489	2.836324	0.011176	0.019479	-3.21451	2.438959	2.55562	2.049454	4.020568	4.186495	3.828257	2.696258	2.894433	2.202855	1.388276	1.369793	1.248523	1.186687	1.120667	1.488568	2.229352	1.737342	1.81044
ZNF157	ENSG00000147117	-1.1193	-1.13635	-4.41574	0.000356	0.000908	0.15924	0.106501	0.106501	0.421314	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.14259	2.174476	2.510098	1.308151	1.462417	1.456457	2.211015	2.169028	2.326628
ZNF182	ENSG00000147118	0.762291	2.943143	6.157793	9.31E-06	3.73E-05	3.488633	3.056542	3.057038	3.013906	3.674639	3.170134	3.445903	3.66196	3.521314	3.586306	2.392392	2.42184	2.497858	3.456014	3.120528	3.396027	2.990321	2.947209	2.990979
CHST7	ENSG00000147119	1.54425	2.831786	5.983495	1.32E-05	5.06E-05	3.21227	2.762544	3.085957	3.176339	4.96641	5.054916	4.946703	4.164604	3.798055	3.968647	1.91588	2.174476	2.104662	2.329284	2.23054	2.416453	2.448672	1.956613	1.973284
KRBOX4	ENSG00000147121	0.288058	3.69306	3.424533	0.003128	0.006245	-2.49929	3.936145	3.863696	3.698006	3.898911	4.061165	4.178918	4.479546	4.247712	4.3476	3.349712	3.414909	3.318995	3.714069	3.637228	3.600863	3.61006	3.698248	3.477085
NDUFB11	ENSG00000147123	0.192123	6.754408	5.217703	6.38E-05	0.000199	0.847331	7.056066	7.146693	7.09691	7.338025	7.392986	7.316604	7.210995	7.268217	7.183312	6.201043	6.224465	6.338345	6.393252	6.375538	6.390715	6.331888	6.321123	6.254557
ZNF41	ENSG00000147124	1.239933	3.844504	13.2768	1.45E-10	4.34E-09	14.53057	3.541402	3.450822	3.533304	4.495279	4.493129	4.499659	4.772276	4.944392	4.592248	2.574485	2.85362	2.671369	4.063713	3.976023	3.849837	4.271827	4.333674	4.359215
ZMYM3	ENSG00000147130	0.778197	5.313308	7.46569	7.77E-07	4.42E-06	5.544236	4.473109	4.299916	4.406272	5.268353	5.379635	5.438487	5.715585	5.575011	5.619566	5.286319	5.263327	5.135408	5.876792	5.844361	5.795858	5.750728	5.566553	5.654343
TAF1	ENSG00000147133	-0.07062	6.527348	-1.08816	0.291301	0.352686	-7.19753	6.262023	6.277631	6.401937	6.331652	6.432686	6.465334	6.648022	6.600482	6.663472	6.742647	6.806379	6.628105	6.552313	6.501194	6.49418	6.622902	6.5772	6.775368
NONO	ENSG00000147140	-0.1047	9.187777	-3.82982	0.001284	0.002819	-2.3788	9.372156	9.398828	9.334875	9.243478	9.245472	9.27515	9.443641	9.427864	9.431095	9.098081	9.070994	9.047399	8.977687	8.966593	8.981128	9.044032	9.028373	9.039551
CCDC120	ENSG00000147144	0.445366	3.067786	4.984515	0.000104	0.000308	0.693757	1.894617	1.670392	1.987129	1.978268	1.666451	1.623325	1.588238	1.901414	1.826075	4.685565	4.682721	4.943432	5.44345	5.206274	5.148978	4.63373	4.798342	4.597643
EBP	ENSG00000147155	-0.33681	5.847898	-4.2758	0.000483	0.001189	-1.12396	5.567812	5.612764	5.463752	5.213737	5.279302	5.1639	5.940817	5.913422	6.046494	6.384092	6.244112	6.334048	6.023688	5.943067	5.959454	6.210226	6.248988	6.191423
OGT	ENSG00000147162	0.386871	7.414213	3.447086	0.002977	0.005982	-3.10633	7.025253	6.960135	7.139618	7.855461	7.711261	7.952432	7.207231	7.255174	7.35062	7.549594	7.657533	7.345461	7.578379	7.435611	7.591444	7.144003	7.348187	7.508202
SNX12	ENSG00000147164	0.28814	6.688185	8.924307	6.36E-08	5.44E-07	7.962223	6.75401	6.797001	6.724372	7.112797	7.03234	7.094475	6.838498	6.756723	6.78073	6.48682	6.426122	6.447381	6.700428	6.703363	6.711277	6.384993	6.490947	6.407693
GCNA	ENSG00000147174	-0.20262	0.609797	-0.9219	0.369132	0.434006	-5.96323	2.438959	2.425906	1.954926	2.393052	2.078331	2.029614	2.058296	2.451551	2.408535	1.028404	0.640699	0.884879	0.610222	0.671977	0.862212	0.63264	0.871168	0.580851
ZNF711	ENSG00000147180	2.517067	-0.92407	6.054339	1.14E-05	4.47E-05	3.510824	1.990546	2.425906	1.954926	4.851861	4.455308	4.702062	3.277716	3.40015	3.340558	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501

DIAPH2	ENSG00000147202	-0.00969	3.788176	-0.08015	0.937029	0.948415	-7.1393	4.884496	4.917869	4.758481	4.944216	4.97698	4.874612	4.926746	4.889176	4.633836	2.881509	2.865607	2.911754	2.591031	2.797719	2.895043	3.358427	3.256961	3.176297
PRPS1	ENSG00000147224	-0.29414	6.569378	-2.69558	0.015056	0.025429	-4.56534	7.080797	6.992952	6.959619	7.122712	7.109854	7.145403	7.197145	7.172025	7.244996	6.347019	6.31358	6.297442	5.580873	5.579922	5.638396	6.220575	6.293708	6.259301
RADX	ENSG00000147231	0.136684	1.752977	0.804744	0.431779	0.49642	-6.36773	2.833249	2.332462	2.720234	2.425456	2.549605	2.429135	2.446718	2.511284	2.82232	1.52331	1.777644	1.718241	1.973006	2.269709	1.876113	1.512637	1.707432	1.504318
FRMPD3	ENSG00000147234	0.404963	-1.45581	1.575994	0.132954	0.17721	-5.24491	0.106501	0.106501	0.219246	0.258133	0.25478	0.2349	0.106501	0.106501	0.106501	1.278001	1.190799	1.277453	1.365252	1.203912	1.320349	1.45147	1.766644	1.626848
HTR2C	ENSG00000147246	0.205087	0.058953	2.518776	0.021772	0.035374	-4.43056	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.177304	4.415514	4.227925	4.397206	4.509412	4.562043	3.989359	4.111883	4.094818
DOCK11	ENSG00000147251	1.112174	3.022158	6.906046	2.19E-06	1.07E-05	4.855369	2.629805	2.819419	2.514675	4.290615	3.912781	4.079806	2.303642	2.324112	2.501332	2.990428	3.232543	2.93917	3.778549	3.86531	3.8186	3.350072	3.307681	3.149291
IGSF1	ENSG00000147255	0.309927	1.876393	2.601022	0.018354	0.030292	-3.82579	1.791852	1.947501	1.888281	1.978268	2.229385	2.481849	2.412257	2.108984	2.309357	2.392392	2.23117	2.272125	2.479079	2.344993	2.528806	2.154563	2.354144	2.397196
RBMX	ENSG00000147274	-0.20069	7.928206	-7.13871	1.41E-06	7.38E-06	4.654363	7.921253	7.886648	7.922995	7.734586	7.666446	7.697052	8.046341	7.978399	8.011774	8.011841	8.056989	8.058428	7.855585	7.811138	7.888915	8.071476	8.094995	8.103348
MCPH1	ENSG00000147316	-0.24158	4.478935	-3.6604	0.001864	0.003953	-2.21598	4.767504	4.710662	4.73022	4.448742	4.310303	4.400463	4.751751	4.68386	4.620106	4.561593	4.55159	4.53991	4.470601	4.312477	4.411058	4.285035	4.588743	4.661156
MFHAS1	ENSG00000147324	-0.08297	5.808368	-1.6024	0.126985	0.170242	-6.44686	6.018285	5.902145	5.982065	5.949732	5.976344	5.928437	5.722633	5.686091	5.836943	5.92581	5.792202	5.8255	5.715972	5.731404	5.69969	5.88835	5.682553	5.762999
FBXO25	ENSG00000147364	0.593141	3.559283	7.305256	1.04E-06	5.68E-06	5.508929	3.210562	3.323044	3.565652	3.633621	3.588725	3.733615	3.440463	3.196885	3.084728	3.792275	3.612795	3.608031	4.309002	4.390067	4.346819	3.889124	3.896833	3.698167
NSDHL	ENSG00000147383	-0.24115	5.719219	-4.78934	0.000159	0.000444	0.047006	6.084999	6.151641	6.183099	5.878371	5.703792	5.767901	6.054115	6.043026	6.056723	5.571821	5.469823	5.500009	5.441792	5.357098	5.356791	5.692441	5.595419	5.552378
ZNF185	ENSG00000147394	-0.26783	4.379846	-1.80985	0.087548	0.122538	-6.05764	2.568952	2.730641	2.758051	3.123142	3.112982	3.119801	2.513265	2.290412	1.962896	6.222291	6.209259	6.208233	5.868176	5.866886	5.854018	7.053636	6.895042	7.011128
CETN2	ENSG00000147400	0.484356	5.346408	6.185128	8.82E-06	3.56E-05	3.036009	5.729467	5.699529	5.753101	5.960829	6.046703	6.038106	5.038289	5.431657	5.296047	4.786356	4.902278	4.932106	5.485908	5.568187	5.528785	4.856526	4.874338	4.988957
RPL10	ENSG00000147403	0.080148	10.09388	2.651392	0.01652	0.0276	-4.9306	10.41117	10.37296	10.37827	10.50248	10.53452	10.46491	10.50595	10.4819	10.49088	9.770239	9.704324	9.627087	9.710898	9.775118	9.755143	9.699581	9.719775	9.810012
CSGALNAC	ENSG00000147408	0.679491	5.532803	5.453085	3.90E-05	0.00013	1.872447	8.264063	8.176082	8.211101	8.969727	8.902494	8.90293	8.426845	8.321688	8.404098	2.243849	2.590228	2.447834	2.902055	2.837366	2.906973	3.171932	3.127424	2.990979
ATP6V1B2	ENSG00000147416	0.116837	6.838915	1.113699	0.28049	0.341309	-7.14724	7.550929	7.552311	7.505407	8.101546	7.903982	7.963479	7.891555	7.896766	7.856492	6.040025	6.141856	6.055851	5.812803	5.722609	5.766693	5.838454	5.87814	5.911023
CCDC25	ENSG00000147419	0.064444	5.852792	1.264219	0.222751	0.278278	-6.93577	5.734094	5.78137	5.571218	5.842822	5.769991	5.743822	5.262806	5.435516	5.33439	6.170502	6.128238	6.197867	6.229912	6.190196	6.229054	6.059528	6.054811	6.084997
HMBOX1	ENSG00000147421	-0.09728	3.445561	-1.11999	0.277874	0.338502	-6.65706	3.210562	3.057038	3.204003	2.933382	2.85862	3.349911	2.884002	3.318907	3.306673	4.172174	4.296585	4.096105	4.167687	4.016884	4.072733	3.762638	3.890192	3.914098
BIN3	ENSG00000147439	0.179882	4.314575	1.392594	0.181207	0.231972	-6.48275	4.165822	4.190995	4.320409	3.740513	3.722109	3.818042	4.302704	4.436718	4.261781	4.468423	4.223947	4.583999	4.973543	4.872735	4.914999	4.739863	4.687803	4.597643
SLC25A37	ENSG00000147454	-0.3647	6.75388	-2.17474	0.043647	0.065778	-5.62346	6.577325	6.61304	6.495858	6.801717	6.711452	6.855724	6.311847	6.314337	6.19743	7.253729	7.26923	7.166617	6.452917	6.408816	6.440813	7.270028	7.362652	7.322736
CHMP7	ENSG00000147457	0.006426	6.2211	0.160494	0.874332	0.897328	-7.76232	6.140075	6.158464	6.10638	6.171319	6.079394	6.083584	6.065248	5.907876	6.104345	6.330998	6.3809	6.40786	6.384647	6.425171	6.407608	6.470338	6.37444	6.340636
DOCK5	ENSG00000147459	0.012583	6.718784	0.160999	0.873941	0.897055	-7.75007	7.361337	7.387862	7.501928	7.645406	7.542963	7.706773	7.91482	7.805023	7.77365	5.952982	6.023794	5.818136	5.669971	5.639075	5.745256	5.896979	5.93248	5.927013
PLPBP	ENSG00000147471	0.276396	5.305613	4.208835	0.000559	0.001353	-1.21895	4.996565	4.909804	4.66702	4.938614	5.013874	5.127141	4.819063	4.960553	4.549426	5.653226	5.58849	5.593562	6.001347	5.914003	5.88752	5.85183	5.893164	5.843128
ERLIN2	ENSG00000147475	-0.07652	6.544274	-1.56479	0.135557	0.180173	-6.59439	6.943714	6.898301	6.847881	6.772099	6.630615	6.721057	6.608615	6.642827	6.591422	6.549478	6.394409	6.517263	6.50625	6.504276	6.525471	6.170447	6.167575	6.095646
RGS20	ENSG00000147509	-0.17795	3.786965	-1.48626	0.155026	0.202739	-6.2588	3.682132	3.686213	3.828148	2.605941	3.012388	3.051692	3.602068	3.535768	3.406029	4.261822	4.190981	4.32811	4.323482	4.363157	4.398437	4.640597	4.70304	4.602629
TACC1	ENSG00000147526	-0.30356	4.943794	-2.37936	0.028973	0.045613	-5.00287	4.543331	4.468622	4.464617	4.845887	4.795153	4.874612	4.606901	4.504423	4.475104	5.497899	5.570294	5.560106	4.929259	4.913495	4.935528	5.6317	5.607615	5.661529
GOLGA7	ENSG00000147533	0.172486	5.838024	3.882193	0.001145	0.002545	-2.00151	5.601118	5.536248	5.56323	5.640298	5.57921	5.566032	5.531176	5.708593	5.636714	6.01159	6.022456	6.010262	6.265968	6.286439	6.281546	6.056963	6.146831	6.113222
PLPP5	ENSG00000147535	0.52807	5.098955	9.683139	1.92E-08	2.02E-07	9.401407	4.984965	4.897622	4.892035	5.400559	5.399687	5.391041	5.452809	5.514266	5.493457	4.703453	4.716207	4.765977	5.217888	5.260752	5.33488	5.012893	5.063304	5.06679
GINS4	ENSG00000147536	-1.92959	4.008412	-10.5079	5.61E-09	7.45E-08	10.8606	4.605251	4.543506	4.569365	3.605613	3.531716	3.572823	4.185161	4.436718	4.270596	4.939108	4.824575	4.974681	2.566893	2.743101	2.604018	4.677792	4.664642	4.775955
NSD3	ENSG00000147548	0.098152	6.040103	1.291005	0.213517	0.26813	-6.91479	5.440544	5.480165	5.620809	5.980046	5.856685	5.963613	5.931722	5.78015	5.754509	6.359482	6.410864	6.304487	6.267841	6.272043	6.17458	6.524244	6.448634	6.567956
TRIM55	ENSG00000147573	-1.22633	0.019662	-9.66407	1.98E-08	2.07E-07	9.646147	0.216396	0.410755	0.219246	0.106501	0.106501	0.3528	0.106501	0.106501	0.106501	4.256985	4.077032	4.282459	3.18974	3.065945	2.883013	3.218571	3.337278	3.352387
MRPS28	ENSG00000147586	-0.06394	2.660342	-0.56406	0.57988	0.637859	-6.81221	3.114469	2.61635	2.739267	2.766336	2.71237	2.924168	3.178682	3.178579	2.981126	2.777267	3.096753	2.826234	2.842976	2.925848	2.647333	2.901634	2.726388	2.896697
LACTB2	ENSG00000147592	0.168982	5.394952	1.663638	0.11401	0.154653	-6.33942	5.011887	5.063109	5.144898	4.809518	4.628433	4.834637	4.659269	4.928048	4.934903	5.948488	5.932721	5.930545	6.306622	6.320645	6.412847	5.62652	5.611658	5.685225
TERF1	ENSG00000147601	0.042125	5.316769	0.856777	0.403163	0.468359	-7.25682	5.030813	5.140963	5.141325	5.294904	5.244245	5.320436	5.286782	5.335791	5.256657	5.432908	5.407641	5.548285	5.35987	5.472807	5.403856	5.559256	5.615689	5.518482
RPL7	ENSG00000147604	-0.17179	9.875208	-4.8164	0.00015	0.000422	-0.25582	10.05948	10.03441	9.986361	9.856748	9.81089	9.843627	9.927058	9.910534	9.893618	10.01388	9.953423	9.816168	9.694803	9.820956	9.799917	9.732596	9.770491	9.857453
SYBU	ENSG00000147642	0.402653	2.007292	2.890543	0.009955	0.017586	-3.45713	2.218961	2.09705	2.109199	1.978268	2.193078	1.880533	1.525136	0.824004	1.445026	2.790717	2.980302	2.87437	3.303673	3.357127	3.548512	2.719047	2.634012	2.528753
MTDH	ENSG00000147649	0.213992	7.975625	2.867401	0.01046	0.018379	-4.36309	7.635588	7.69171	7.743172	8.21016	8.176899	8.240373	8.220134	8.28044	8.222368	7.832453	7.835297	7.851852	7.754014	7.776289	7.793333	8.135466	8.130648	8.138963
LRP12	ENSG00000147650	0.183641	6.251006	1.560376	0.136594	0.181332	-6.55777	5.633672	5.654387	5.688471	6.373776	6.283111	6.38976	6.550384	6.609051	6.605426	6.351563	6.356686	6.360483	6.151938	6.122272	6.138353	6.539021	6.519199	6.55
EBAG9	ENSG00000147654	-0.00689	5.215597	-0.10757	0.915562	0.931321	-7.62295	5.118357	5.070363	5.141325	4.999073	4.982309	5.00189	5.213624	5.206241	5.126746	5.413478	5.4757	5.531872	5.55042	5.501884	5.544145	5.226496	5.214498	5.280993
POLR2K	ENSG00000147669	-0.20134	6.664735	-3.00135	0.007849	0.014218	-3.98877	6.619196	6.683324	6.549409	6.34865	6.293865	6.302701	6.682771	6.680716	6.688357	6.997329	6.930688	6.921197	6.74951	6.876695	6.849829	6.679846	6.696192	6.680701
MAL2	ENSG00000147676	0.07692	5.377812	1.547157	0.13974	0.184974	-6.70232	1.719036	1.631689	1.706811	1.326771	1.437317	1.250575	1.389995	1.001115	1.171446	10.03053	9.992468	9.973265	10.04896	10.11867	10.12872	10.07935	10.13318	10.19507
EIF3H	ENSG00000147677	0.040974	8.53469	0.618721	0.544081	0.60452	-7.77511	8.345689	8.339606	8.311082	8.099664	8.125448	8.104625	8.21327	8.27668	8.272599	8.80956	8.765867	8.726107	9.011057	9.033727	9.031891	8.726676	8.733258	8.771629
UTP23	ENSG00000147679	-0.12914	5.836119	-1.44406	0.166409	0.215376	-6.69955	5.528401	5.306756	5.281005	4.803367	4.982309	4.854763	5.535185	5.636658	5.412136	6.510383	6.367264	6.441002	6.48869	6.520605	6.480274	6.417342	6.456523	6.540937
NDUFB9	ENSG00000147684	-0.12591	7.551156	-1.08174	0.294066	0.35558	-7.30936	7.460991	7.569051	7.519237	6.862152	6.972014	6.879249	7.289039	7.297141	7.327573	7.869764	7.762235	7.883657	8.042789	8.1316	8.122679	7.693458	7.691073	7.694869
TATDN1	ENSG00000147687	-0.22754	5.865604	-2.16114	0.044832	0.067369	-5.55673	5.797357	5.805478	5.743707	5.077635	4.888929	5.097889	5.502797	5.626565	5.519576	6.314798	6.319039	6.317603	6.340834	6.458395	6.425343	6.294279	6.216176	6.319593
FAM83A	ENSG00000147689	-0.88277	7.047953	-7.73248	4.82E-07	2.93E-06	5.835923	6.321645	6.26346	6.296664	5.966346	6.084358	6.038106	6.983449	6.847872	6.83374	8.030384	8.024611	8.045347	6.79243	6.79179	6.773689	8.347832	8.342501	8.314462
GSDMC	ENSG00000147697	0.344187	-1.21355	0.887554	0.386832	0.451651	-6.02672	0.106501	0.316291	0.106501	0.52061	0.106501	0.106501	0.415731	0.387194	0.106501	1.555182	1.529011	1.027938	1.27873	1.622273	1.639204	1.45147	1.581179	1.370407
ZNF7	ENSG00000147789	-0.00228	5.481596	-0.02857	0.977528	0.981179	-7.69762	5.163648	5.164879	5.108765	4.881362	4.600983	4.761901	4.902122	4.997573	5.046897	5.93946	6.084032	6.034826	6.18304	6.211726	6.26426	5.989982	5.927624	6.047093
ARHGAP39	ENSG00000147799	0.150463	4.909557	1.537364	0.14211	0.187658	-6.43761	4.664623	4.604738	4.73022	4.290615	4.544465	4.351728	4.235306	4.397684	4.542164	5.162464	5.340512	5.479925	5.693852	5.625928	5.730227	5.473398	5.372937	5.063177
SLC39A4	ENSG00000147804	0.102283	5.390451	1.077382	0.295956	0.357592	-7.11737	4.433832	4.564207	4.504099	4.43289	4.515354	4.264152	4.079318	4.282412	4.3476	6.081653	6.327731	6.566441	6.55615	6.454151	6.512841	6.765584	6.721665	6.428903
NAPRT	ENSG00000147813	0.513174	4.77742	7.359433	9.42E-07	5.21E-06	5.270095	2.505419	2.49222	2.700947	3.041869	2.686486	2.697781	3.094248	2.777669	2.471058	6.714696	6.810261	6.955726	7.395165	7.415014	7.282445	7.189784	7.196301	6.893997
VLDLR	ENSG00000147852	0.737831	5.032243	8.589837	1.10E-07	8.55E-07	7.65362	4.876148	4.769782	4.950366	5.836811	5.732536	5.921298	5.750487	5.856983	5.980865	4.14101	4.305413	4.224215	4.586193	4.707838	4.715769	5.041713	5.054421	5.011626
AK3	ENSG00000147853	-0.34268	5.180554	-7.53217	6.89E-07	3.99E-06	5.693612	5.552176	5.654387	5.628485	5.277258	5.387689	5.230878	5.310366	5.45466	5.265504	5.272006	5.235883	5.174383	4.893312	4.834061	4.900154	4.888608	4.987552	5.044977
UHRF2	ENSG00000147854	-0.10324	5.071236	-1.79033	0.090738	0.126581	-6.01623	5.207561	5.033724	5.082923	5.28169	4.917027	5.089421	5.365443	5.439365	5.363523	5.038288	5.125563	5.037335	4.931624	4.830791	4.917949	5.139487	5.146465	5.12686
NFIB	ENSG00000147862	0.904289	5.133996	8.327092	1.72E-07	1.23E-06	7.129915	5.030813	4.999934	5.025938	5.565938	5.681033	5.855404	5.347317	5.408281	5.408147	4.634266	4.806033	4.542892	5.632665	5.646534	5.813395	4.54867	4.617172	4.641909
PLIN2	ENSG00000147872	-0.95884	3.77857	-14.7294	2.73E-11	1.26E-09	16.17313	3.420312	3.526613	3.384088	2.393052	2.737798	2.924168	2.884002	2.894433	3.00245	5.170202	5.242793	5.178223	4.238165	4.312477	4.228211	4.978075	4.884398	4.946447
HAUS6	ENSG00000147874	-0.93696	5.16827	-14.4269	3.82E-11	1.62E-09	15.77781	5.808367	5.683061	5.579162	4.803367	4.801196	4.772519	5.213624	5.396449	5.220718	5.60265	5.459973	5.461135	4.577158	4.668079	4.558265	5.380055	5.380064	5.428683
CDKN2B	ENSG00000147883	0.857953	1.280281	15.05864	1.90E-11	9.90E-10	16.44523	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	6.601919	6.701606	6.715924	7.588906	7.527857	7.489015	6.302962	6.283608	6.243427
CDKN2A	ENSG00000147889	0.883173	0.633718	11.09912	2.43E-09	3.77E-08	11.57503	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.930021	5.21026	5.271048	5.959081	6.049585	6.067042	5.705599	5.515684	5.284099
C9orf72	ENSG00000147894	0.292412	3.415521	1.367236	0.188879	0.240777	-6.12605	3.710582	3.568199	3.511328	4.281793	4.139571	4.271657	4.956946	4.922558	4.956916	3.036317	2.980302	2.992487	2.649667	2.811056	2.703134	2.843302	2.770449	3.149291
ZCCHC7	ENSG00000147905	0.288256	4.647613	5.028479	9.52E-05	0.000283	0.672525	4.145127	4.299916	4.16017	4.456603	4.447623	4.308605	4.068294	4.119235	3.946814	4.933056	5.100422	5.081065	5.349295	5.408455	5.319341	5.165907	5.182242	5.280993
FBXO10	ENSG00000147912	0.444537	1.214347	3.693712	0.001732	0.003697	-1.63199	1.069823	1.002471	1.088647	1.182548	1.373859	1.526279	0.782422	0.622068	0.833554	2.558849	2.714733	2.355887	2.95881	2.756951	2.918805	2.539649	2.568968	2.629903
SIGMAR1	ENSG00000147955	0.402957	6.696577	3.049367	0.007077	0.012986	-3.8824	6.159124	6.15335	6.167376	7.155682	7.135191	7.112348	6.876914	6.685586	6.698191	6.692477	6.634884	6.689934	6.631547	6.564578	6.58516	6.935755	6.98037	6.943962
CBWD5	ENSG00000147996	-0.17391	3.648879	-1.93117	0.069845	0.100262	-5.41759	4.192962	4.15733	4.208773	4.082842	4.040879	3.878271	4.283766	4.38177	4.235006	3.568508	3.478738	3.419749	3.360948	3.348006	3.317756	3.053433	3.317614	3.509302
CEP78	ENSG00000148019	-1.44026	4.949723	-13.9829	6.33E-11	2.33E-09	15.3071	5.799565	5.720428	5.743707	4.605448	4.701332	4.745826	5.414148	5.492201	5.351109	5.344475	5.361828	5.376759	3.840269	3.688714	3.578659	5.14915	4.933671	5.220652
NTRK2	ENSG00000148053	0.671974	0.558107	5.774945	2.01E-05	7.24E-05	2.538544	0.216396	0.106501	0.219246	0.258133	0.389229	0.3528	0.106501	0.106501	0.39151	3.805587	3.964495	3.905414	4.583188	4.455227	4.419411	4.078031	4.106163	4.087723
IDNK	ENSG00000148057	0.610136	2.815413	5.410588	4.26E-05	0.00014	1.93356	2.526909	3.114308	2.865896	3.290819	3.242978	3.321269	2.884002	3.023117	2.748518	2.664903	2.646894	2.855308	3.395624	3.077028	3.462206	3.254827	2.985098	2.944608
SHC3	ENSG00000148082	-0.9239	0.584137	-4.79415	0.000157	0.00044	0.950542	0.814199	0.736739	0.756332	0.934951	0.625525	0.746642	1.389995	1.082132	0.925731	2.204194	2.372288	2.213454	1.548989	1.282615	1.284217	2.479639	2.124453	2.200755
AUH	ENSG00000148090	0.120377	4.183156	2.144021	0.046366	0.069412	-5.26297	4.473109	4.569336	4.48167	4.487626	4.668652	4.656929	3.965091	3.978187	4.243986	4.242376	4.23323	4.213027	4.298046	4.403337	4.372859	3.793775	3.713375	3.969186
MFSD14B	ENSG00000148110	-0.19127	6.997713	-6.03759	1.18E-05	4.60E-05	2.531614	7.06711	7.159503	7.102433	6.887089	6.96799	6.914431	7.012497	7.065227	6.94668	7.110921	7.146867	7.121956	6.920586	6.904958	6.974108	6.93924	6.956728	6.970241
AOPEP	ENSG00000148120	0.63726	6.509459	10.29783	7.63E-09	9.49E-08	10.16787	6.41968	6.446027	6.377849	6.935707	6.991964	6.914431	6.419869	6.395831	6.405835	6.332149	6.310295	6.335768	7.027265	7.031417	7.062762	6.036282	6.045875	5.983532
PLPPR1	ENSG00000148123	1.011991	-1.32684	5.595548	2.90E-05	9.99E-05	2.628203	0.216396	0.106501	0.219246	0.258133	0.25478	0.2349	0.106501	0.106501	0.106501	1.158593	1.335727	1.094478	1.897591	1.738515	1.923865	1.13872	1.329561	1.416439
ZNF462	ENSG00000148143	-0.05411	5.215282	-0.58692	0.564763	0.624133	-7.48881	5.214199	5.134056	5.322611	4.674482	4.733289	4.889321	4.384974	4.489649	4.288067	5.849142	5.770051	5.616386	5.930988	5.876434	5.909924	5.528118	5.530707	5.497221
INIP	ENSG00000148153	-0.21348	5.254586	-4.93314	0.000117	0.000339	0.395768	5.194191	5.250391	5.211151	5.12773	4.900234	4.997371	5.021241	5.078784	5.165072	5.636563	5.597503	5.507659	5.375589	5.29912	5.441254	5.520693	5.480747	5.478356
UGCG	ENSG00000148154	0.800509	5.929613	7.368069	9.28E-07	5.14E-06	5.269659	5.451823	5.433112	5.431935	6.603556	6.405176	6.583107	6.034424	6.126568	6.121501	5.871466	5.760453	5.724072	6.274378	6.292394	6.361751	5.505727	5.627716	5.57792
SNX30	ENSG00000148158	-0.3735	5.304994	-5.87103	1.65E-05	6.14E-05	2.34308	4.610293	4.729112	4.671981	4.502891	4.500575	4.685302	4.688362	4.715948	4.313883	6.354963	6.40266	6.358792	5.939239	5.896905	5.836971	5.983245	5.956519	6.106218
STOM	ENSG00000148175	0.097038	8.227883	1.353926	0.193009	0.245252	-7.03829	8.193586	8.236979	8.149298	8.302469	8.229382	8.299845	7.541078	7.584657	7.521912	8.505217	8.462944	8.424705	8.563295	8.591152	8.5704	8.323768	8.335185	8.357868
GSN	ENSG00000148180	1.115308	6.634522	10.23368	8.38E-09	1.03E-07	10.03929	6.031501	6.000355	6.097189	6.845783	6.869341	6.881703	5.396627	5.281075	5.435842	6.619926	6.675457	6.746637	8.008194	7.954751	7.954688	7.08103	7.004399	6.849598
MRRF	ENSG00000148187	-0.17288	6.023482	-2.54366	0.020679	0.033752	-4.81982	6.489753	6.427787	6.447493	6.125209	6.076905	6.180453	6.468897	6.429119	6.269562	5.934924	5.736174	5.837692	5.707717	5.896905	5.826017	5.596816	5.670976	5.720055
NR6A1	ENSG00000148200	0.485445	3.294348	1.996996	0.06164	0.089773	-5.31002	2.568952	2.819419	2.600444	4.350907	4.167908	4.271657	2.908934	3.335526	3.306673	3.772076	3.842432	3.70172	3.475595	3.38415	3.62273	3.209363	3.385297	3.352387
ALAD	ENSG00000148218	0.704405	5.221185	5.612511	2.80E-05	9.68E-05	1.823542	4.081197	4.101775	4.188143	4.910272	4.944587	4.908703	4.968851	4.928048	4.849226	5.776643	5.726347	5.809496	6.428007	6.41974	6.364998	5.412514	5.554003	5.411738
ASTN2	ENSG00000148219	-0.72695	1.481257	-3.49604	0.002674	0.005439	-1.7768	4.199669	3.846899	4.011539	3.083078	3.112982	3.335661	2.957542	3.160038	2.937508	0.88529	1.029669	1.188864	1.088368	0.938214	1.002253	0.63264	1.024588	0.497646
WDR31	ENSG00000148225	-0.27464	3.346289	-2.27935	0.035452	0.054624	-4.92229	3.572735	3.370829	3.698006	2.887595	3.012388	2.652511	2.779728	2.324112	2.309357	4.318634	4.066685	4.112253	3.988472	4.10073	4.165038	3.865871	3.903444	3.914098
POLE3	ENSG00000148229	-0.51621	7.365862	-15.5057	1.18E-11	7.04E-10	16.80986	7.354593	7.256499	7.298828	6.862152	6.853435	6.874328	7.224713	7.236492	7.280343	7.837322	7.767436	7.851251	7.240186	7.235	7.272104	7.760794	7.749571	7.796821
SURF4	ENSG00000148248	0.974565	8.359882	10.28774	7.74E-09	9.60E-08	10.04744	7.620049	7.655995	7.646298	9.004329	8.968086	9.018669	9.102346	9.044548	9.038743	7.682696	7.660547	7.625867	8.266059	8.21987	8.28832	8.616269	8.547644	8.560118
SURF1	ENSG00000148290	0.491665	5.195914	10.64924	4.58E-09	6.33E-08	10.83722	4.880328	4.992316	4.892035	5.367584	5.342823	5.334836	5.026946	5.078784	5.102264	5.141621	5.108011	5.288917	5.693852	5.715534	5.680705	5.168285	5.217154	5.227124
SURF2	ENSG00000148291	0.041603	5.097947	0.569377	0.576345	0.634626	-7.45223	4.29042	4.204245	4.363979	4.3081	4.628433	4.434292	5.003988	4.825892	4.951444	5.645844	5.660785	5.75397	5.632665	5.719076	5.64197	5.923967	5.893164	5.729203
SURF6	ENSG00000148296	-0.22188	6.716842	-3.27548	0.004332	0.008368	-3.41667	6.647676	6.697448	6.691769	6.117792	6.319354	6.213949	6.477256	6.553309	6.627897	6.950162	6.992806	7.1039	7.003857	6.952372	6.973399	7.060694	6.856383	6.922191
MED22	ENSG00000148297	-0.0418	5.58008	-0.76795	0.452765	0.516767	-7.38876	5.350006	5.393175	5.217952	5.195063	5.438974	5.414959	5.448564	5.132077	5.427983	5.891891	5.939825	5.990742	5.907152	5.783078	5.867817	5.847385	5.93893	5.821907
REXO4	ENSG00000148300	-0.1543	6.243182	-3.38248	0.003429	0.006772	-3.14094	6.031501	6.08516	6.207222	5.910205	5.910785	5.827671	5.872748	5.981	5.961941	6.60763	6.499118	6.689934	6.562268	6.441343	6.49418	6.601945	6.567867	6.483982
RPL7A	ENSG00000148303	-0.0548	10.5526	-1.23843	0.231933	0.288534	-7.3052	10.8884	10.83877	10.85781	10.72728	10.76832	10.7109	10.86537	10.86446	10.87449	10.40634	10.31236	10.26415	10.32169	10.35988	10.33927	10.11369	10.20401	10.24784
GTF3C5	ENSG00000148308	-0.51467	6.395391	-7.86212	3.83E-07	2.42E-06	6.122911	6.712412	6.699788	6.702718	5.944151	6.041607	5.860389	6.143489	6.230187	6.121501	6.770915	6.650558	6.7912	6.430517	6.424086	6.411801	6.558188	6.514889	6.431707
ASB6	ENSG00000148331	-0.4425	6.301646	-10.7023	4.25E-09	5.92E-08	10.8004	6.535529	6.465415	6.478973	6.059623	6.175571	5.935541	6.29303	6.212301	6.260741	6.617098	6.510614	6.653845	6.21154	6.144832	6.120533	6.396195	6.40737	6.292079
PTGES2	ENSG00000148334	-0.24498	6.41535	-3.58726	0.002189	0.004557	-2.71808	6.333889	6.285444	6.460454	5.974582	6.180215	6.020397	5.97958	5.935393	5.848765	6.812716	6.759769	6.869289	6.665333	6.610115	6.588868	6.899	6.846125	6.728241
NTMT1	ENSG00000148335	-0.26688	5.973114	-3.79059	0.0014	0.003045	-2.2188	5.851589	5.661609	5.980067	5.506594	5.797458	5.500479	5.498697	5.708593	5.646906	6.361737	6.254406	6.521048	6.109746	6.115569	6.09077	6.484721	6.424707	6.4373
CIZ1	ENSG00000148337	-0.18194	6.895033	-4.18848	0.000584	0.001407	-1.43362	6.956639	6.950339	7.06332	6.717532	6.736896	6.701742	7.009618	6.755179	6.855875	7.009602	6.977008	7.021864	6.973764	6.867149	6.851373	6.973638	6.943157	6.971205
SLC25A25	ENSG00000148339	-0.88465	5.20899	-11.5351	1.34E-09	2.36E-08	12.12349	5.611213	5.474709	5.519862	4.316764	4.558804	4.48682	5.383345	5.356295	5.287386	5.76817	5.68973	5.821823	5.121745	4.985845	4.970056	5.479156	5.398901	5.280993
SH3GLB2	ENSG00000148341	0.350705	6.810146	4.98624	0.000104	0.000307	0.301048	6.510127	6.407883	6.418267	6.454505	6.622106	6.415394	6.184906	6.012346	6.188155	7.117607	7.108922	7.107932	7.724312	7.622616	7.660459	7.08103	7.149796	7.049063
MIGA2	ENSG00000148343	0.11951	4.898266	1.62507	0.122043	0.164576	-6.29853	4.117062	3.991467	4.288462	4.59836	4.507984	4.48682	4.695544	4.397684	4.570996	5.542307	5.423946	5.516787	5.541158	5.352544	5.532641	5.568288	5.498321	5.494541
PTGES	ENSG00000148344	-0.02459	7.751232	-0.11676	0.908383	0.924811	-7.88237	8.107058	8.132132	8.04034	8.865082	8.897214	8.872407	8.370183	8.313323	8.346376	7.66774	7.543702	7.70586	6.710792	6.752581	6.736567	6.84651	6.834929	6.923187
LCN2	ENSG00000148346	0.697661	5.048983	3.811423	0.001337	0.002923	-1.9723	6.719429	6.575297	6.647119	7.358099	7.246777	7.339101	4.568297	4.436718	4.549426	3.985951	3.936355	3.990867	4.742532	4.634714	4.725907	3.516101	3.667508	3.398988
LRSAM1	ENSG00000148356	-0.02603	4.978829	-0.20233	0.841992	0.869084	-7.5574	5.487883	5.441528	5.528093	4.845887	4.928114	4.874612	4.914487	4.837607	4.956916	4.948139	4.84591	4.828401	5.318904	5.231292	5.314871	4.77149	4.70304	4.694231
GPR107	ENSG00000148358	-0.07831	7.901359	-1.70008	0.106842	0.146154	-6.51041	7.772325	7.809638	7.870553	7.654832	7.668927	7.668911	7.975087	8.034822	7.954116	7.9985	8.012196	7.99616	7.980765	7.984118	7.996812	8.003517	7.975775	7.979928
PAXX	ENSG00000148362	0.242069	4.987954	3.398701	0.00331	0.006561	-2.89032	4.825019	4.796272	4.874926	5.259393	5.488499	5.151751	5.066264	5.117737	5.169792	4.85838	4.851948	5.011739	4.941045	4.947106	5.036727	5.112574	5.057388	5.055925
INPP5E	ENSG00000148384	-0.21399	4.554062	-2.69166	0.015181	0.025603	-4.29318	4.776503	4.804995	5.101429	4.400654	4.600983	4.506036	4.659269	4.677356	4.380548	4.645413	4.630987	4.793777	4.742532	4.537767	4.558265	4.430811	4.530146	4.323421
SEC16A	ENSG00000148396	0.172865	7.795004	1.433875	0.169257	0.218461	-6.89781	7.316537	7.333129	7.432002	7.947593	7.989162	7.984182	7.334607	7.315058	7.291214	8.139531	8.137674	8.015071	7.937	7.895727	7.886281	8.230413	8.126769	8.122134
DPH7	ENSG00000148399	-0.29959	5.126428	-4.80751	0.000153	0.000429	0.155133	5.304069	5.25994	5.27123	4.765896	4.70778	4.942007	5.267633	5.160337	5.067277	5.364851	5.288033	5.427652	5.227545	5.096185	5.231938	5.275849	5.157568	5.223892
NOTCH1	ENSG00000148400	-0.59422	5.300664	-3.2817	0.004274	0.008265	-3.078	6.234531	6.197082	6.491655	5.990913	6.168576	6.09843	6.510216	6.247853	6.423728	4.517783	4.709571	4.768526	3.730461	3.544454	3.421201	5.194188	5.132464	4.926702
NACC2	ENSG00000148411	-0.05758	7.064366	-0.9385	0.360776	0.425516	-7.36165	8.038577	8.1182	8.25226	7.905137	8.030902	7.945997	7.830065	7.780957	7.767435	6.078915	6.226791	6.187425	6.313893	6.169635	6.265419	6.18696	6.177154	6.123666
PROSER2	ENSG00000148426	-0.05664	3.824915	-0.2904	0.774929	0.813062	-7.26575	4.579773	4.330447	4.631806	3.408969	3.808643	3.722706	3.774765	3.521314	3.856018	3.584041	3.626949	3.669344	4.207266	3.958151	4.21867	3.923315	4.047684	3.856822
USP6NL	ENSG00000148429	0.241429	4.897094	4.020397	0.000845	0.00195	-1.5463	4.876148	4.830853	4.763138	4.921675	4.97698	4.772519	4.702691	4.855002	4.726452	5.032639	4.967692	4.961372	5.302552	5.296751	5.391172	4.980783	4.833383	4.849107
COMMD3	ENSG00000148444	0.200311	2.590784	1.561119	0.136419	0.18115	-5.7269	3.541402	3.483793	3.55495	3.605613	3.630051	3.560621	3.238915	2.825515	2.723053	2.263275	2.212518	2.16783	2.357702	2.467968	2.716753	2.154563	2.354144	2.252429
MSRB2	ENSG00000148450	0.103356	3.90982	1.444048	0.166413	0.215376	-6.22242	4.569455	4.569336	4.339244	4.456603	4.675247	4.772519	4.437325	4.389749	4.404775	3.552807	3.390227	3.538032	3.557503	3.520297	3.533199	3.552967	3.520448	3.444131
PDSS1	ENSG00000148459	-0.79095	3.86522	-11.7866	9.55E-10	1.85E-08	12.62527	4.271448	4.243278	4.131643	3.290819	3.656958	3.292047	3.916741	3.956862	4.17992	4.430262	4.331577	4.282459	3.675081	3.614588	3.65138	4.245042	4.123255	4.115895
FAM171A1	ENSG00000148468	1.136825	0.402819	3.584166	0.002204	0.004582	-1.43842	4.664623	4.589672	4.44736	5.664257	5.690831	5.741121	5.814563	5.711779	5.738712	0.106501	0.185134	0.106501	0.106501	0.190544	0.186984	0.106501	0.106501	0.106501
MINDY3	ENSG00000148481	-0.26746	4.557503	-2.25413	0.037286	0.057166	-5.07219	5.49062	5.528369	5.423134	4.833866	4.883243	4.78306	5.173034	5.155666	5.131593	3.956418	4.066685	4.171248	4.272153	4.215509	4.27499	3.917673	4.005291	3.961444
RSU1	ENSG00000148484	0.154512	5.453659	2.661682	0.016167	0.027097	-4.49624	5.715497	5.76358	5.743707	5.915919	5.952107	5.894815	5.910274	5.764893	5.875015	5.157281	5.105486	5.256592	5.261781	5.331874	5.292308	4.922811	4.910886	5.019105
PARD3	ENSG00000148498	-0.2381	6.015513	-1.87155	0.078103	0.110744	-6.013	7.010073	7.005305	6.959619	6.323078	6.287422	6.271226	6.631265	6.664365	6.643251	5.276793	5.35971	5.356567	5.629755	5.640943	5.58556	5.319295	5.326959	5.442654
ZEB1	ENSG00000148516	-0.10335	1.887459	-0.36996	0.715857	0.761745	-6.46347	4.219602	4.34846	4.174224	4.112999	4.376555	4.610338	4.4712	4.436718	4.520155	0.982259	1.152172	0.958181	0.407676	0.612281	0.404558	0.974502	1.206659	0.999041
NRBF2	ENSG00000148572	-0.01903	4.726869	-0.28064	0.782283	0.818877	-7.41752	5.493352	5.39028	5.443586	5.404628	5.411586	5.2875	5.324334	5.174263	5.07736	4.156676	4.195737	4.205521	4.215053	4.259953	4.25646	4.171084	4.386537	4.305185
POLR3A	ENSG00000148606	-0.27402	6.087902	-6.03864	1.18E-05	4.59E-05	2.638416	6.415366	6.381882	6.443147	6.171319	6.163893	6.244779	6.192541	6.203275	6.222635	6.065146	6.077605	6.048527	5.732343	5.692298	5.833849	6.029758	6.009569	6.050746
HERC4	ENSG00000148634	0.387681	5.8152	6.872627	2.33E-06	1.13E-05	4.418464	6.809865	6.786028	6.810127	7.329489	7.222215	7.307506	6.887928	6.862281	6.73369	4.634266	4.771408	4.586891	4.863895	4.9104	4.866948	4.684453	4.572242	4.665927
LRMDA	ENSG00000148655	-0.07677	-1.4136	-0.4171	0.681684	0.729962	-6.10947	2.392887	2.730641	2.641489	2.577385	2.429905	2.5075	2.446718	2.389238	2.274723	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CAMK2G	ENSG00000148660	-0.12333	5.714286	-1.59023	0.129707	0.173468	-6.45909	5.720169	5.685425	5.666267	5.44865	5.287935	5.397916	5.774426	5.733887	5.745052	6.023031	5.952525	5.885453	6.02701	5.903146	5.934902	5.679162	5.753789	5.749576
ADIRF	ENSG00000148671	0.797393	1.310437	9.866156	1.45E-08	1.61E-07	9.703733	0.106501	0.106501	0.219246	0.258133	0.106501	0.2349	0.269385	0.106501	0.256032	5.475171	5.542561	5.626259	6.263154	6.417562	6.317744	6.151341	6.226757	6.142619
GLUD1	ENSG00000148672	-0.34369	7.071674	-4.46631	0.000319	0.000825	-0.83514	7.246211	7.269162	7.246577	7.192629	7.123181	7.173716	6.920476	7.017103	7.01647	7.265217	7.257905	7.277277	6.68439	6.739561	6.709575	7.099215	7.133722	7.11859
ANKRD1	ENSG00000148677	-4.96993	0.706982	-5.19206	6.73E-05	0.000209	1.8322	7.13603	6.76718	6.837983	0.934951	1.612488	1.757653	1.867984	1.809233	2.087859	0.7264	0.462741	0.639567	1.186687	0.837535	0.651457	0.106501	0.358227	0.214669
RPP30	ENSG00000148688	-0.70518	4.372133	-11.2558	1.96E-09	3.16E-08	11.86784	5.246942	5.041126	5.101429	4.40878	4.43213	4.30129	4.799197	5.002785	5.021009	4.377757	4.314187	4.358889	3.835226	3.67419	3.747398	4.083081	4.094656	4.197255
FRA10AC1	ENSG00000148690	-0.40744	3.728139	-3.1587	0.005585	0.010508	-3.01959	4.992709	5.044814	4.950366	4.532944	4.091068	4.34463	4.666597	4.59002	4.801363	3.002038	3.065914	3.125724	3.125084	3.223865	3.075009	2.890155	2.99751	2.896697
ADD3	ENSG00000148700	0.954569	5.958548	10.46935	5.94E-09	7.79E-08	10.48268	5.275788	5.39028	5.341417	6.154502	6.243717	6.204178	5.817858	5.996758	5.970082	5.790099	5.793771	5.82305	6.778045	6.76377	6.844411	5.875309	5.914593	5.724636
DNAJB12	ENSG00000148719	0.324454	4.800702	4.340281	0.000419	0.001048	-0.82529	4.29042	4.306074	4.235828	4.701197	4.776871	4.627987	4.96291	4.703199	4.599264	5.038288	4.939615	5.153077	5.35987	5.223832	5.290032	5.059757	5.123998	4.99276
EIF4EBP2	ENSG00000148730	0.640294	6.951202	8.130813	2.40E-07	1.63E-06	6.558079	6.124301	6.161863	6.086081	7.123947	7.023321	7.10921	6.946297	6.896284	6.842635	7.008164	7.051048	6.959078	7.380525	7.354815	7.42512	7.270028	7.273604	7.31136
PLEKHS1	ENSG00000148735	1.407187	0.670846	6.065337	1.12E-05	4.38E-05	3.149951	0.106501	0.215206	0.106501	0.258133	0.25478	0.106501	0.415731	0.387194	0.629397	4.172174	4.157244	4.021115	5.423425	5.40626	5.538404	3.272618	3.277464	3.375875
TCF7L2	ENSG00000148737	0.462058	4.43177	3.059628	0.006922	0.012735	-3.50522	4.145127	4.268725	4.37619	5.299283	5.446705	5.246196	4.4712	4.332946	4.339245	4.517783	4.439772	4.369004	4.344933	4.385617	4.406863	4.276243	4.232297	4.129778

MKI67	ENSG00000148773	-1.38552	5.927741	-4.04663	0.000798	0.001852	-1.48649	6.792225	6.852753	6.901667	6.422753	6.58581	6.670859	7.449521	7.260623	7.325459	6.108753	6.206905	5.968739	3.181815	3.020741	3.361763	5.857736	5.735381	5.789478
INA	ENSG00000148798	-0.07954	-1.92683	-0.32661	0.747845	0.789296	-6.09238	1.990546	1.978677	1.888281	2.063099	1.768674	1.799787	1.160105	1.367163	1.50602	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
FUOM	ENSG00000148803	1.299961	2.544553	7.743957	4.72E-07	2.88E-06	6.5218	2.245129	2.039077	1.818408	2.740812	2.926537	2.675323	2.806512	3.122225	3.124172	2.14259	2.174476	2.693003	3.703037	3.568213	3.615478	2.968656	3.182818	2.830235
LRRC27	ENSG00000148814	0.569354	2.183868	3.2398	0.004683	0.008967	-2.49697	3.128595	3.142112	3.296854	3.376187	3.616407	3.548316	3.296733	3.178579	2.892531	1.199504	2.074736	1.538714	2.129525	2.381211	2.257813	1.45147	1.737342	1.461048
MTG1	ENSG00000148824	-0.27926	1.153097	-1.49325	0.153204	0.200578	-5.50723	1.894617	2.206444	2.018628	1.634586	1.909591	2.098749	1.70672	1.85606	1.50602	1.616888	1.752042	1.653508	1.524131	1.077171	1.801384	1.734264	1.645686	1.273688
PAOX	ENSG00000148832	0.422712	0.598918	2.077416	0.052798	0.078123	-4.56519	1.336422	1.374745	1.406977	1.393812	1.437317	1.475193	0.782422	1.15884	0.735084	1.457372	1.152172	1.387696	2.009285	1.393161	1.749324	1.512637	1.581179	1.322858
GSTO1	ENSG00000148834	-0.3811	6.244022	-8.26774	1.90E-07	1.34E-06	6.958015	7.527133	7.613178	7.58581	7.292634	7.252302	7.213225	7.505762	7.554807	7.450007	5.259969	5.263327	5.232786	4.774502	4.875912	4.749288	5.208123	5.307153	5.21089
TAF5	ENSG00000148835	-0.83959	2.736531	-5.22049	6.34E-05	0.000198	1.534232	2.949211	3.057038	2.900124	3.083078	2.686486	2.719893	2.752438	2.753138	2.239236	3.512789	3.569479	3.625013	2.626498	2.596763	2.365487	3.415594	3.2466	3.050576
PPRC1	ENSG00000148840	-0.29502	6.91214	-5.22554	6.27E-05	0.000196	0.842501	7.397515	7.392934	7.350026	6.876873	6.955853	7.011748	7.332305	7.056482	7.216766	6.746966	6.653153	6.716585	6.624986	6.452024	6.551355	6.784308	6.750367	6.775368
ITPRIP	ENSG00000148841	0.137288	6.078052	0.456791	0.653447	0.704253	-7.22055	8.649237	8.677002	8.680763	9.135602	9.184652	9.171404	9.521484	9.434629	9.480372	3.87668	3.70241	3.919248	2.343563	1.970168	2.200805	3.848182	3.765107	3.698167
CNNM2	ENSG00000148842	1.188573	3.247294	8.42553	1.45E-07	1.08E-06	7.648231	2.725848	2.870177	3.133821	4.333937	4.493129	4.440963	3.879385	3.809996	3.979442	2.749986	2.829342	2.693003	3.388755	3.495729	3.244428	3.152846	2.985098	3.162857
PDCD11	ENSG00000148843	-0.49105	7.49347	-10.7233	4.12E-09	5.78E-08	10.73959	7.888424	7.87375	7.925074	7.190274	7.279611	7.325645	7.518981	7.439427	7.441249	7.679988	7.631882	7.628326	7.310018	7.261352	7.281872	7.469288	7.448783	7.438803
ADAM12	ENSG00000148848	1.625506	-0.88072	4.645631	0.000216	0.000584	0.781506	1.475543	1.591918	1.406977	2.864145	2.835252	3.03415	3.238915	3.232814	3.373665	0.106501	0.106501	0.16959	0.234608	0.190544	0.106501	0.183756	0.2791	0.106501
RGS10	ENSG00000148908	0.1645	3.655888	0.962281	0.349033	0.413275	-6.76191	4.252223	4.383825	4.412214	3.910405	4.081169	3.776446	3.774765	3.736817	3.681923	3.102524	3.166245	3.283783	3.809739	3.903166	3.8186	3.637781	3.772348	3.421736
BTBD10	ENSG00000148925	0.062142	5.703548	0.848619	0.407566	0.472717	-7.27415	6.362559	6.413598	6.312635	6.679412	6.482423	6.646533	6.205178	6.339273	6.140861	5.12844	5.1649	5.216073	4.952736	5.006281	5.11852	5.085149	5.021374	4.958165
ADM	ENSG00000148926	-2.4432	3.969053	-10.76	3.91E-09	5.58E-08	11.26699	6.658669	6.506104	6.603642	4.190466	4.310303	4.121933	4.974767	4.889176	5.117003	3.659289	3.780465	3.834184	1.776519	1.528499	1.923865	3.637781	3.317614	3.466183
LIN7C	ENSG00000148943	-0.30079	5.228028	-3.54583	0.002397	0.004935	-2.58077	5.493352	5.51514	5.530827	5.491368	5.415531	5.438487	5.81126	5.954347	5.869223	5.099011	5.217293	5.158919	4.639246	4.697103	4.591911	4.975361	4.920695	5.022829
IMMP1L	ENSG00000148950	-0.71207	2.562242	-5.87543	1.64E-05	6.09E-05	3.00397	3.420312	3.61855	3.28395	2.955742	2.926537	2.532704	3.219115	3.619579	3.271973	2.894025	2.604605	2.558044	2.044674	2.21055	2.121111	2.448672	2.37332	2.48622
PGAP2	ENSG00000148985	0.307587	4.348643	4.345815	0.000414	0.001037	-0.72735	4.245758	4.440906	4.332993	4.54774	4.485643	4.48682	4.057185	4.019913	4.042563	4.391063	4.251617	4.47583	4.787617	4.686287	4.782046	4.61293	4.473517	4.45606
TUT1	ENSG00000149016	-0.14685	3.702193	-1.87161	0.078095	0.110744	-5.75019	3.262728	3.516026	3.217639	2.933382	2.660129	2.697781	2.806512	2.848856	2.723053	4.699893	4.878812	4.825955	4.851459	4.774033	4.72927	4.570409	4.563921	4.477932
SYT8	ENSG00000149043	1.457826	-1.64314	8.225725	2.04E-07	1.42E-06	7.348067	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.028404	1.112482	0.993481	2.162115	1.819936	2.18129	1.542275	1.289746	1.461048
ZNF215	ENSG00000149054	-0.45132	-1.24543	-2.01509	0.059542	0.087015	-4.3679	2.9807	3.057038	3.013906	2.766336	2.398361	2.5075	3.115825	2.540248	2.560038	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
HSD17B12	ENSG00000149084	-0.31139	6.519732	-8.33346	1.70E-07	1.22E-06	6.981724	7.055142	6.970834	6.985753	6.681091	6.642445	6.656599	7.121837	7.071441	7.041151	6.284221	6.24526	6.244398	5.976366	6.026902	5.949395	6.244437	6.18667	6.275002
APIP	ENSG00000149089	-0.35567	4.226317	-4.41934	0.000353	0.000902	-0.44736	5.197545	5.077581	5.097747	4.784753	4.56592	4.447604	4.673889	4.771967	4.889843	3.851231	3.854512	3.914651	3.714069	3.759216	3.81227	3.730814	3.68296	3.753014
DGKZ	ENSG00000149091	-0.02662	5.61903	-0.39163	0.700068	0.747569	-7.60891	5.501516	5.590232	5.592306	5.218368	5.49597	5.183924	5.502797	5.503276	5.552477	5.698525	5.686355	5.775677	5.917927	5.8476	5.80545	6.02189	5.969178	5.826176
EIF3M	ENSG00000149100	-0.38608	7.498541	-4.844	0.000141	0.0004	-0.04036	8.077781	8.121695	8.045605	7.454482	7.325407	7.389981	7.485187	7.534258	7.594798	7.440767	7.392934	7.408935	7.317723	7.310896	7.323636	7.265592	7.301401	7.333273
TNKS1BP1	ENSG00000149115	0.087211	7.367497	0.986875	0.33717	0.401061	-7.40332	7.048657	7.062806	7.050044	6.824678	7.029769	6.868153	6.481417	6.393849	6.468472	7.789554	7.813803	7.869179	8.129294	8.055546	8.07159	7.947509	7.924697	7.96258
SSRP1	ENSG00000149136	-0.40878	8.152639	-12.628	3.23E-10	7.73E-09	13.33058	7.790208	7.794934	7.767711	7.33483	7.345188	7.340886	7.565785	7.547693	7.524679	8.959998	8.838179	8.97405	8.562532	8.571204	8.50396	8.817159	8.770574	8.840781
PTPRJ	ENSG00000149177	-0.30034	6.416156	-2.46954	0.024096	0.038732	-4.99142	6.843439	6.879841	6.879321	7.030922	7.036188	7.026239	7.109791	7.037562	7.023006	6.226009	6.216297	6.208233	5.441792	5.436694	5.397528	6.033676	5.961279	6.047093
C11orf49	ENSG00000149179	0.515586	4.413737	7.305478	1.04E-06	5.68E-06	5.348327	4.296689	4.14364	4.16017	4.525489	4.594038	4.639633	3.904396	3.879643	3.946814	4.513734	4.322908	4.714017	5.05823	5.112436	5.074241	4.574001	4.680124	4.577525
ARFGAP2	ENSG00000149182	-0.31265	5.954534	-4.20167	0.000568	0.001372	-1.32089	5.895619	6.03969	5.920865	5.303647	5.326156	5.349094	5.586312	5.592401	5.346947	6.500186	6.410864	6.501257	6.439685	6.32181	6.322206	6.162119	6.260621	6.351044
CELF1	ENSG00000149187	-0.69526	6.938016	-16.3781	4.81E-12	3.71E-10	17.76117	7.44908	7.389313	7.385191	6.62115	6.657512	6.589126	7.032487	6.97662	6.863179	7.312605	7.26923	7.202884	6.666043	6.688084	6.602688	6.75771	6.800812	6.843293
HIKESHI	ENSG00000149196	-0.23712	5.081912	-4.63342	0.000222	0.000598	-0.27306	4.664623	4.644161	4.400306	4.152252	4.158524	4.249025	4.339849	4.273815	4.189248	5.982583	5.978976	5.994014	5.785607	5.852446	5.816561	5.999362	5.940538	5.956523
SESN3	ENSG00000149212	1.416888	4.870527	7.366205	9.31E-07	5.15E-06	5.500866	4.880328	5.130591	5.231457	7.026967	6.935393	7.024019	5.435754	5.602735	5.530627	3.864012	4.087306	3.834184	4.437701	4.509412	4.320301	3.724364	3.628139	3.631427
ENDOD1	ENSG00000149218	0.096232	5.959856	1.971828	0.064669	0.093653	-5.92892	4.740165	4.860445	4.725456	4.857809	4.694855	4.751204	4.926746	4.784126	4.895553	7.19488	7.174234	7.176249	7.294483	7.352537	7.292143	7.001245	7.070509	7.064505
CCDC82	ENSG00000149231	-0.11093	4.475315	-1.77295	0.093664	0.130229	-5.99197	4.461995	4.336476	4.288462	4.171485	4.213935	4.071231	4.154215	4.175703	4.112876	4.908591	5.097884	5.076957	4.945733	5.063124	4.917949	4.545014	4.641102	4.587619
KLHL35	ENSG00000149243	-0.13201	3.337761	-1.65184	0.116418	0.157602	-6.04096	2.798329	2.37994	2.739267	2.255624	2.787348	2.557474	2.26554	2.184314	2.560038	4.517783	4.47541	4.745417	4.467344	4.51757	4.402656	4.533992	4.621188	4.499478
SERPINH1	ENSG00000149257	0.288627	7.10278	4.446791	0.000333	0.000855	-0.91747	5.546927	5.460976	5.517107	5.863665	5.87112	5.686023	5.300979	5.45466	5.556087	8.468291	8.384405	8.445567	8.749072	8.706263	8.697114	8.855293	8.842429	8.760239
CAPN5	ENSG00000149260	1.023089	3.795455	14.87999	2.31E-11	1.13E-09	16.30618	2.483604	2.232543	1.853768	2.91067	3.012388	2.629332	2.303642	2.451551	2.440135	5.175339	5.016893	5.058324	6.208618	6.080203	6.044267	5.119964	5.19577	5.164438
INTS4	ENSG00000149262	0.10017	4.933571	1.6982	0.107201	0.146589	-6.1893	4.564268	4.564207	4.400306	4.660937	4.360275	4.592471	4.709802	4.474723	4.674259	5.267203	5.436055	5.376759	5.551958	5.401859	5.509353	5.382106	5.294635	5.486471
PAK1	ENSG00000149269	0.035244	5.606482	0.561349	0.581687	0.639469	-7.57131	5.114814	5.164879	4.954444	5.0571	4.960875	4.824468	4.479546	4.61746	4.490278	6.439576	6.408817	6.403766	6.539966	6.561622	6.507953	6.386015	6.339522	6.299774
RPS3	ENSG00000149273	-0.38162	10.00816	-6.58949	4.00E-06	1.80E-05	3.448268	10.11041	10.07779	10.0726	9.500108	9.510664	9.438038	9.834932	9.83639	9.85109	10.40525	10.31284	10.24562	10.10313	10.14861	10.144	10.15182	10.17996	10.25023
ZC3H12C	ENSG00000149289	-1.01792	4.78415	-5.65343	2.58E-05	8.99E-05	2.096968	6.070438	6.000355	5.949748	4.400654	4.335505	4.427589	5.498697	5.517911	5.629879	4.663802	4.609763	4.612661	4.309002	4.293598	4.320301	4.23146	4.195062	4.108904
TTC12	ENSG00000149292	0.21643	3.987772	1.961038	0.066008	0.095357	-5.50084	4.712298	4.673038	4.606117	4.510463	4.485643	4.580436	4.254886	4.080322	4.16108	3.659289	3.722323	3.573456	4.257146	4.10615	4.165038	3.103995	3.394711	3.477085
DRD2	ENSG00000149295	0.412842	-2.03511	1.416444	0.174222	0.224078	-5.17885	1.384302	1.551021	1.499186	2.143217	1.307481	2.164723	1.648695	1.231675	1.314712	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
NPAT	ENSG00000149308	0.066386	4.208776	1.245811	0.229276	0.285527	-6.71042	3.361722	3.483793	3.270929	3.647423	3.329147	3.535905	3.571163	3.605944	3.655245	4.968993	5.130539	4.95243	4.996315	5.12584	5.055606	5.278052	5.174064	5.259054
ATM	ENSG00000149311	0.050831	5.73411	0.764193	0.454946	0.518965	-7.41318	5.517707	5.612764	5.767078	5.875441	5.518152	5.892383	5.431459	5.488491	5.451432	6.034383	6.067262	5.768053	5.93453	5.91709	5.975122	5.779011	5.809406	5.878503
AASDHPPT	ENSG00000149313	-0.3065	6.509791	-7.91534	3.49E-07	2.24E-06	6.209203	6.791116	6.762709	6.700292	6.286057	6.371051	6.432233	6.380303	6.401762	6.30432	6.77261	6.699096	6.701987	6.451269	6.490871	6.529335	6.472264	6.458768	6.464943
GLB1L2	ENSG00000149328	-0.69444	4.275932	-4.61811	0.000229	0.000616	-0.12395	4.302931	4.312206	4.400306	4.199863	4.352066	4.315882	3.586698	3.879643	3.543305	5.015558	5.048786	4.970258	4.080861	4.028349	4.029733	4.727016	4.854006	4.735671
SLX4IP	ENSG00000149346	-0.04117	3.768237	-0.51652	0.611966	0.667808	-7.22383	3.719942	3.732673	3.755225	3.77864	3.278066	3.523386	3.137083	3.384264	3.323715	4.285766	4.278766	4.128223	4.203356	4.293598	4.324754	4.161567	4.200441	4.292899
LAMTOR1	ENSG00000149357	0.282554	6.924064	5.963797	1.37E-05	5.24E-05	2.374278	6.555272	6.439039	6.612701	6.800173	6.706631	6.726528	6.693573	6.546187	6.676797	7.131548	7.089887	7.194851	7.503257	7.454857	7.458435	7.08921	7.105331	7.074409
P4HA3	ENSG00000149380	0.930915	1.458182	3.139764	0.00582	0.010902	-2.40199	3.911847	4.073175	3.914407	5.031013	4.776871	4.946703	5.071794	5.188055	5.220718	0.269074	0.583785	0.54756	0.745413	0.26996	0.470356	0.393424	0.358227	0.497646
ST14	ENSG00000149418	0.595822	2.722983	9.328858	3.33E-08	3.17E-07	8.639427	0.106501	0.215206	0.106501	0.106501	0.25478	0.2349	0.269385	0.106501	0.106501	8.633681	8.616922	8.759492	9.265879	9.273445	9.24162	9.120166	9.114048	8.958005
HYOU1	ENSG00000149428	0.119262	8.458617	0.929675	0.365203	0.43006	-7.51374	7.539741	7.529465	7.607983	8.271051	8.261515	8.273923	8.565115	8.471588	8.560992	8.798784	8.74107	8.75516	8.404232	8.385877	8.408844	9.292065	9.225577	9.243445
KAT14	ENSG00000149474	0.064504	4.548723	1.082265	0.293841	0.355399	-6.94342	4.428132	4.446492	4.418131	4.540361	4.392653	4.598452	3.988671	3.761625	4.073118	4.933056	4.997958	5.139353	5.009808	5.160118	5.087406	4.808549	4.660745	4.597643
TKFC	ENSG00000149476	-0.28491	6.130778	-5.07223	8.67E-05	0.000261	0.56518	6.22141	6.371643	6.344057	5.935739	5.941203	5.743822	5.872748	5.711779	5.860491	6.488885	6.526746	6.573019	6.429681	6.320645	6.345406	6.056963	6.018732	5.977786
MTA2	ENSG00000149480	-0.25727	7.469977	-5.50068	3.53E-05	0.000119	1.358694	7.049585	7.079978	7.121598	6.679412	6.821087	6.729256	6.976095	6.943124	6.887738	8.092113	7.992857	8.074744	7.906066	7.852844	7.825903	8.230982	8.213115	8.145811
TMEM138	ENSG00000149483	0.19705	5.858189	3.623055	0.002023	0.004251	-2.58512	4.91334	5.033724	4.962565	5.338099	5.33034	5.377194	5.435754	5.293887	5.408147	6.549478	6.495265	6.442599	6.622061	6.590913	6.546597	6.568127	6.507314	6.540937
FADS1	ENSG00000149485	0.416963	6.498606	1.793693	0.090182	0.125841	-6.17555	6.431123	6.432017	6.330002	7.62375	7.617629	7.728068	7.65507	7.689379	7.69888	5.928855	5.807818	5.920264	5.237136	5.317927	5.296849	6.219429	6.18667	6.207877
ROM1	ENSG00000149489	0.216321	1.554862	1.589667	0.129834	0.173588	-5.58681	1.561356	1.947501	1.954926	2.103714	2.078331	2.029614	1.525136	1.001115	1.620777	2.204194	2.405511	2.355887	2.24051	2.596763	2.559363	2.095813	1.90484	2.003758
EML3	ENSG00000149499	0.220977	5.39736	3.997256	0.000889	0.002041	-1.69584	4.635242	4.701347	4.790768	5.082724	5.217382	5.102104	4.889651	5.127313	4.978598	5.836229	5.821729	5.900641	6.028115	5.91709	5.923201	5.935182	5.93893	5.994954
INCENP	ENSG00000149503	-0.82444	4.070493	-10.5987	4.92E-09	6.74E-08	10.9461	4.226185	4.204245	4.153091	3.77864	3.683372	3.797394	4.283766	4.247712	4.33084	4.537862	4.55159	4.604122	3.593793	3.591587	3.608189	4.530299	4.600995	4.551975
FRG1BP	ENSG00000149531	0.267442	3.678507	2.977679	0.008259	0.014873	-3.4661	4.088441	4.230384	4.057757	4.218476	3.978251	4.365821	3.941119	4.090149	3.990155	3.275122	3.423044	3.38694	3.850304	3.745389	3.713835	3.333216	3.138674	3.477085
CPSF7	ENSG00000149532	-0.4876	7.239943	-13.1833	1.63E-10	4.67E-09	14.1008	7.100639	7.143257	7.095064	6.610619	6.584058	6.656599	7.1071	6.981908	6.963088	7.809512	7.795121	7.851552	7.385278	7.285441	7.348454	7.542151	7.625612	7.616926
B3GAT3	ENSG00000149541	0.04589	5.927379	0.455221	0.654554	0.705366	-7.62438	5.648453	5.639833	5.643717	5.982771	6.203217	6.024845	5.937792	5.896721	6.076967	6.246895	6.118253	6.239812	5.994577	5.970071	5.882997	5.833967	5.969178	5.824043
EI24	ENSG00000149547	-0.0602	7.522538	-1.43148	0.169931	0.219173	-6.87211	7.314222	7.322536	7.188041	7.35705	7.315941	7.381336	7.510861	7.526137	7.543895	7.697945	7.712909	7.72272	7.546331	7.505983	7.555421	7.799277	7.771418	7.780413
CCDC15	ENSG00000149548	-1.42655	0.812976	-9.57401	2.27E-08	2.31E-07	9.466644	1.519087	1.670392	1.667608	0.934951	1.006428	1.055701	1.160105	1.001115	1.38134	2.282443	2.193623	2.228347	1.154653	1.282615	1.046067	2.034568	1.795362	1.942153
CHEK1	ENSG00000149554	-1.75154	5.148532	-8.76857	8.21E-08	6.70E-07	7.933017	5.38573	5.318988	5.251481	4.753186	4.573001	4.57438	5.167879	5.412203	5.265504	6.135353	6.106936	6.102067	3.735884	4.028349	3.767168	5.962842	5.950148	6.059839
FEZ1	ENSG00000149557	0.794691	2.942016	8.475477	1.34E-07	9.99E-07	7.705891	2.90065	2.513665	2.830836	3.51817	3.225109	3.498018	2.607661	2.650616	2.616448	3.165825	2.924094	3.001185	3.719554	3.946112	3.62273	3.103995	3.193646	3.328509
MPZL2	ENSG00000149573	0.795024	2.840679	5.612051	2.81E-05	9.69E-05	1.933176	0.742531	0.736739	0.679585	0.52061	0.512209	0.461789	1.762502	1.367163	1.777424	5.564009	5.790631	5.684119	6.519674	6.55866	6.488236	5.842927	5.989515	5.932963
SIDT2	ENSG00000149577	0.771867	4.81331	6.027994	1.21E-05	4.68E-05	2.827259	4.829349	4.945746	5.086643	5.312338	5.321958	5.215396	5.248226	5.197177	5.22526	4.098381	4.147458	4.147939	5.26928	5.221337	5.274	4.477583	4.304002	4.311289
TMEM25	ENSG00000149582	0.862583	1.248104	11.7288	1.03E-09	1.96E-08	12.4094	0.216396	0.106501	0.323815	0.258133	0.25478	0.2349	0.106501	0.106501	0.106501	5.428613	5.477654	5.39832	6.288285	6.23912	6.335509	5.713762	5.699745	5.756303
TAGLN	ENSG00000149591	0.405643	0.918114	1.879871	0.076901	0.109239	-4.87866	2.165157	2.125186	1.987129	2.425456	2.460774	2.164723	1.459147	1.231675	1.38134	1.388276	0.941811	1.126631	1.498836	1.120667	1.695314	1.13872	0.975239	1.370407
JPH2	ENSG00000149596	-0.88777	-1.47764	-3.23374	0.004745	0.009074	-2.07554	2.461454	2.513665	2.600444	1.634586	1.666451	1.919272	2.696258	2.676938	2.165532	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
COMMD7	ENSG00000149600	0.192493	5.605144	4.67579	0.000202	0.000551	-0.22927	5.376881	5.281977	5.155563	5.487537	5.557954	5.468184	5.30568	5.327507	5.351109	5.888767	5.838552	5.898315	6.068434	5.964114	6.06837	5.838454	5.786343	5.785098
DSN1	ENSG00000149636	-1.11161	4.374767	-8.40394	1.51E-07	1.10E-06	7.414107	4.625314	4.548709	4.564038	3.921807	4.020303	4.170914	4.411387	4.576102	4.490278	5.046721	4.919631	4.864598	3.53901	3.759216	3.494191	4.983487	5.146465	5.01537
SOGA1	ENSG00000149639	0.266274	6.147029	2.127444	0.047896	0.07153	-5.57913	6.523553	6.495365	6.52494	7.121476	7.1718	7.148463	6.911252	6.74433	6.894883	5.550237	5.471785	5.303055	5.304378	5.178243	5.326021	5.763367	5.779172	5.859884
CNBD2	ENSG00000149646	-0.06973	1.38393	-0.53918	0.596568	0.653746	-6.64615	1.286899	1.327092	1.406977	1.256461	1.373859	1.623325	1.240874	1.430416	1.674905	2.527059	2.338281	2.745712	2.529911	2.467968	2.257813	2.135245	2.254246	2.350536
LSM14B	ENSG00000149657	-0.12786	5.817172	-1.4847	0.155436	0.203145	-6.6434	5.82147	5.661609	5.757775	5.180897	5.221894	5.401341	5.178171	5.228657	5.383978	6.164057	6.209259	6.234289	6.325629	6.286439	6.26889	6.289918	6.367284	6.222526
YTHDF1	ENSG00000149658	-0.5449	6.861544	-13.741	8.38E-11	2.91E-09	14.81674	7.092555	7.022236	7.114327	6.402548	6.471096	6.428881	6.725501	6.790264	6.75269	7.222436	7.126463	7.238262	6.76418	6.713165	6.739905	7.065805	7.050546	7.020473
CABLES2	ENSG00000149679	0.376023	3.553654	3.227003	0.004815	0.009194	-2.93559	3.27548	3.286138	3.190238	4.103016	3.912781	4.088331	3.66196	3.633086	3.641718	3.446357	3.619889	3.652879	3.735884	3.652127	3.540876	3.934535	3.999132	3.823043
LTO1	ENSG00000149716	-0.47564	4.90175	-4.00598	0.000872	0.002009	-1.57501	5.367978	5.469231	5.303557	4.350907	4.485643	4.337497	4.411387	4.734864	4.620106	5.14686	5.207908	5.229089	5.102982	5.131167	4.97856	5.09268	5.030462	5.140638
TRPT1	ENSG00000149743	0.56367	4.193578	9.953772	1.27E-08	1.45E-07	9.908953	3.738482	3.537122	3.819232	4.190466	4.149079	4.062605	3.891945	3.724251	4.063004	4.404248	4.378346	4.437893	5.018734	4.965115	4.984202	4.537676	4.584635	4.488745
NUDT22	ENSG00000149761	0.664033	4.708341	8.96429	5.96E-08	5.14E-07	8.24457	3.967917	3.976101	4.201929	4.790984	4.917027	4.604407	4.393833	4.349405	4.216877	4.678347	5.016893	5.01818	5.57332	5.53642	5.420597	5.156356	5.123998	4.874064
FERMT3	ENSG00000149781	-1.15818	2.698188	-4.40004	0.000368	0.000936	0.079754	6.219762	6.228223	6.270736	4.851861	5.212855	4.894191	5.620676	5.626565	5.584645	0.934589	1.152172	0.594297	1.018891	1.077171	0.760679	0.930351	1.118494	1.058313
PLCB3	ENSG00000149782	0.452223	5.855055	3.9346	0.00102	0.002303	-1.90658	5.523064	5.528369	5.636121	5.664257	5.690831	5.716587	4.968851	5.028565	4.91817	5.99716	6.031795	5.972061	6.704582	6.629065	6.583303	6.513062	6.386287	6.393378
MRPL49	ENSG00000149792	-0.4393	6.827454	-9.14667	4.45E-08	4.04E-07	8.315566	6.637833	6.586724	6.531778	5.982771	6.125878	5.942611	6.734246	6.706499	6.686711	7.373088	7.270358	7.358212	6.996533	7.024993	6.947642	7.389495	7.458916	7.388447
CDC42EP2	ENSG00000149798	-0.49424	4.517121	-4.50743	0.000291	0.000761	-0.4197	4.375799	4.136747	4.301326	3.875646	4.091068	3.765857	4.122591	3.749274	4.011347	5.120474	5.095341	5.281796	4.676384	4.774033	4.56581	5.580838	5.549795	5.481066
FAU	ENSG00000149806	-0.1787	7.482237	-3.45911	0.0029	0.005839	-3.08871	7.535772	7.461435	7.510955	7.119002	7.23678	7.062384	7.217247	7.172025	7.242758	7.751801	7.720354	7.715802	7.66869	7.760048	7.690535	7.644337	7.682451	7.639542
TM7SF2	ENSG00000149809	1.087273	3.745286	10.71789	4.15E-09	5.81E-08	11.12682	3.056542	3.057038	3.28395	3.851999	4.009905	3.75519	3.879385	3.491964	3.586306	3.528929	3.842432	3.691009	4.914988	4.79096	4.788509	4.052512	4.029668	3.856822
VPS51	ENSG00000149823	0.377289	5.921778	5.02224	9.64E-05	0.000287	0.460605	4.909255	4.961437	5.060398	5.062262	5.33034	5.131272	5.203583	4.976535	5.229787	6.570099	6.618153	6.822209	7.128144	7.158154	7.092449	6.723352	6.6876	6.447035
PPP4C	ENSG00000149923	-0.08883	7.18067	-1.00826	0.327086	0.390516	-7.35345	7.167157	7.238902	7.21123	6.714257	6.806141	6.672277	6.894185	6.889266	6.886305	7.36861	7.284937	7.385458	7.600843	7.561784	7.537306	7.479378	7.402865	7.33926
ALDOA	ENSG00000149925	-0.17927	10.48796	-2.47293	0.023929	0.038485	-5.29279	10.96407	10.974	10.97202	10.97281	11.06672	10.91689	11.24402	11.20648	11.2502	9.914576	9.908773	9.887831	9.522837	9.549029	9.499974	10.28234	10.33318	10.33815
DOC2A	ENSG00000149927	0.36585	1.3727	2.005615	0.060632	0.088437	-4.85131	1.430644	1.061904	1.62731	2.181668	1.666451	2.164723	1.317361	1.549165	1.620777	2.033684	2.285719	2.055402	2.270712	2.326537	1.923865	2.283004	2.124453	1.877799
HIRIP3	ENSG00000149929	-1.04184	4.55847	-13.1341	1.73E-10	4.88E-09	14.30322	5.089762	5.102561	5.049003	4.092964	4.335505	4.210498	4.666597	4.889176	4.674259	4.936085	4.905185	5.041557	3.870167	4.067774	3.747398	4.811595	4.773297	4.96205
TAOK2	ENSG00000149930	-0.25189	6.793662	-5.83059	1.80E-05	6.57E-05	2.138363	7.379909	7.355569	7.449443	7.102813	7.183413	7.061302	7.228432	7.063981	7.180976	6.570099	6.431172	6.536837	6.367281	6.244045	6.266577	6.448982	6.364891	6.302841
TMEM219	ENSG00000149932	-0.06247	6.05468	-0.6526	0.522508	0.58415	-7.51105	6.415366	6.412172	6.497256	6.095309	6.099149	5.984314	6.386973	6.337211	6.445301	5.791772	5.818649	5.876026	6.055481	6.025473	6.081589	5.695742	5.718611	5.656743
HMGA2	ENSG00000149948	0.029281	4.478925	0.262449	0.796043	0.830383	-7.60602	2.369288	2.206444	2.274882	2.548252	2.762786	2.924168	2.779728	2.702788	2.643847	6.160176	6.204547	6.205413	6.152952	6.132932	6.220714	7.748132	7.625113	7.593324
CNKSR2	ENSG00000149970	0.326495	2.879414	1.462592	0.161329	0.209673	-5.76296	4.387594	4.223893	4.339244	5.097883	4.701332	4.923071	4.950956	4.802174	4.782996	1.865926	2.115463	2.004401	1.365252	1.428204	1.390007	1.681967	1.737342	1.739782
MKX	ENSG00000150051	-0.7716	0.344238	-2.54988	0.020414	0.03337	-3.71319	0.882475	0.736739	1.028027	0.258133	0.106501	0.746642	0.983587	1.15884	0.925731	2.033684	2.174476	2.07201	1.818016	1.766169	1.923865	2.368215	2.146913	1.910335
MPP7	ENSG00000150054	0.16153	1.843271	2.109993	0.049557	0.07384	-5.11196	1.010037	1.002471	1.028027	0.841981	1.006428	1.188496	1.160105	0.726566	1.01237	3.882973	4.066685	3.853525	4.093589	4.078843	4.114488	3.545669	3.511821	3.509302
ITGB1	ENSG00000150093	0.186253	9.301333	1.960514	0.066074	0.095426	-6.14176	10.05625	10.04756	10.00023	10.60108	10.49825	10.55531	10.47745	10.48096	10.46639	8.270996	8.195804	8.256229	8.027669	8.01758	8.067942	8.514573	8.446313	8.49859
PCDH15	ENSG00000150275	1.557211	-1.40561	5.22529	6.28E-05	0.000196	1.924673	1.755904	1.551021	1.30847	2.864145	2.991399	2.961768	2.26554	2.255906	2.34318	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.183756	0.106501	0.106501
CTF1	ENSG00000150281	0.567825	1.522718	2.505844	0.022361	0.036204	-4.05617	1.12723	1.374745	1.499186	1.104644	1.2379	0.909432	1.648695	1.605065	1.962896	2.543041	2.405511	2.569785	3.36795	3.088026	3.253801	2.400938	2.212266	2.302316
CWC15	ENSG00000150316	-0.22926	5.766931	-4.17538	0.000601	0.001441	-1.35781	5.544295	5.541478	5.387386	5.112883	5.094821	5.159862	5.147073	5.469794	5.351109	6.408288	6.297077	6.468703	6.254679	6.26358	6.219519	6.170447	6.273436	6.157942
ARID5B	ENSG00000150347	1.08215	3.01024	8.816207	7.59E-08	6.30E-07	8.174356	2.051128	2.068355	2.399755	3.633621	3.378481	3.828257	1.867984	1.549165	1.50602	3.844798	3.854512	3.843887	4.803198	4.565575	4.755899	3.485915	3.571152	3.352387
KLHL1	ENSG00000150361	-0.97664	-1.63768	-2.54062	0.020809	0.033939	-3.40602	2.548084	2.693541	2.720234	1.634586	1.817192	1.623325	1.317361	1.710758	2.165532	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
CDH8	ENSG00000150394	0.072297	-1.58057	0.514905	0.61307	0.668756	-6.38201	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.555182	1.989662	1.631268	1.733794	1.710321	1.667532	1.734264	1.513652	1.504318
DCUN1D2	ENSG00000150401	-0.29961	3.641655	-2.98456	0.008138	0.014687	-3.43645	3.792713	4.043996	3.93931	3.487804	3.457132	3.498018	4.245129	4.157125	4.112876	3.536933	3.836353	3.764372	3.53901	3.544454	3.586098	3.793775	3.84969	3.466183
TMCO3	ENSG00000150403	0.689495	6.098624	6.641165	3.62E-06	1.65E-05	3.855134	5.738706	5.729621	5.780922	6.845783	6.761899	6.765586	6.14086	6.131335	6.224904	5.666054	5.699809	5.794563	6.055481	6.116912	6.112827	6.191643	6.228075	6.191423
TMEM218	ENSG00000150433	0.200345	4.036059	2.939254	0.008969	0.016011	-3.67625	3.738482	4.006672	3.745844	3.988393	4.091068	4.154771	3.916741	4.212157	4.151567	4.03198	4.166964	4.238998	4.230502	4.240369	4.444184	4.254026	4.313961	4.323421
TIRAP	ENSG00000150455	-0.12699	3.989099	-1.81762	0.086306	0.121026	-5.73523	4.467563	4.330447	4.294909	4.132759	4.343809	4.279122	3.965091	4.070428	4.270596	4.020609	3.896014	3.955502	3.819988	3.90938	3.78667	3.956715	3.967936	3.992166
EEF1AKMT	ENSG00000150456	-0.89927	3.068269	-10.3697	6.86E-09	8.70E-08	10.69839	3.520128	3.741788	3.544167	2.688367	2.926537	2.605775	3.094248	2.960209	2.748518	3.673879	3.799336	3.853525	2.88263	3.109775	3.085545	3.350072	3.297679	3.477085
LATS2	ENSG00000150457	0.646043	5.292249	4.179259	0.000596	0.001431	-1.19392	5.691909	5.668796	5.584434	5.737065	5.96831	5.906913	6.037254	6.136086	6.211233	4.359822	4.322908	4.369004	5.506677	5.347976	5.405959	4.62683	4.563921	4.572451
SAP18	ENSG00000150459	-0.33155	6.942916	-9.94553	1.29E-08	1.47E-07	9.598636	7.203477	7.209637	7.067091	6.776816	6.798609	6.754917	7.056395	7.042632	7.05907	7.043704	6.984585	7.029324	6.708725	6.753445	6.75566	6.969553	6.974888	7.002666
ADGRL3	ENSG00000150471	0.587654	1.011339	2.675319	0.015711	0.026404	-3.41614	2.218961	2.179863	2.446827	2.91067	2.460774	2.741673	1.525136	2.255906	1.962896	0.7264	1.07167	0.921995	1.365252	1.357245	1.046067	1.214313	1.118494	0.93723
KIAA1328	ENSG00000150477	0.410412	1.563241	2.857709	0.010678	0.018719	-3.23798	2.021155	2.039077	1.78216	2.021307	2.155834	1.714252	2.144798	1.945386	2.047395	1.787595	1.851833	1.839597	2.42639	2.169719	2.382676	1.85727	1.795362	2.033602
FAM124A	ENSG00000150510	0.451693	-1.22439	1.276298	0.21855	0.273725	-5.37907	2.021155	1.915637	1.954926	2.181668	2.299368	2.164723	1.917967	1.901414	1.918715	0.106501	0.106501	0.16959	0.106501	0.190544	0.263213	0.183756	0.106501	0.214669
MIA2	ENSG00000150527	0.423768	1.483494	3.02292	0.007493	0.013656	-2.89897	1.475543	1.780637	1.921989	1.978268	1.817192	1.880533	2.144798	1.658879	1.873138	1.76051	1.827525	2.055402	2.314863	2.398985	2.141451	1.85727	1.878239	2.226823
HNMT	ENSG00000150540	0.2361	4.336938	4.237749	0.000525	0.001281	-0.95618	4.25866	4.256058	4.229112	4.510463	4.368438	4.537503	4.302704	4.221128	3.968647	4.337085	4.494836	4.472706	4.715338	4.693507	4.577054	4.481413	4.473517	4.472495
LYPD1	ENSG00000150551	0.881876	4.711053	3.157764	0.005597	0.010522	-3.12542	5.575566	5.607787	5.613091	6.458425	6.338179	6.412002	7.356296	7.11541	7.258353	2.966925	2.753956	3.077191	3.913883	3.703092	3.734067	2.692858	2.99751	3.035906
LYPD6B	ENSG00000150556	-0.48737	-0.72748	-1.97212	0.064632	0.093619	-4.79915	0.41387	0.410755	0.421314	0.395333	0.106501	0.106501	0.106501	0.106501	0.256032	1.91588	2.074736	2.055402	1.858352	1.710321	1.923865	1.85727	1.795362	1.942153
PDCD4	ENSG00000150593	-0.03648	5.292571	-0.40157	0.692871	0.740549	-7.54665	5.885257	5.883735	5.767078	5.7878	5.503402	5.572123	5.286782	5.376512	5.367637	5.213289	5.312323	5.306568	5.391139	5.370673	5.475705	4.345124	4.617172	4.515429
GPM6A	ENSG00000150625	0.687095	-0.53642	3.038191	0.00725	0.013267	-2.70332	0.318509	0.410755	0.219246	0.742604	0.25478	0.2349	0.269385	0.253663	0.39151	1.457372	1.616737	1.126631	1.797417	1.738515	2.161508	1.833493	1.707432	1.665483
WDR17	ENSG00000150627	-0.19863	3.247347	-1.55324	0.138285	0.183321	-5.93818	3.774862	3.768792	3.863273	4.020568	3.502343	4.018682	3.457463	3.564249	3.084728	3.446357	3.287042	3.232997	2.862939	2.875953	3.116699	3.133504	3.138674	3.079476
VEGFC	ENSG00000150630	0.182396	4.073124	2.141053	0.046636	0.06978	-5.08412	5.071598	5.022548	4.933939	5.363409	4.933626	5.135391	5.272444	5.25073	5.283036	3.165825	3.002186	3.109727	3.296351	3.223865	3.462206	3.307556	3.138674	3.279535
CCDC102B	ENSG00000150636	-0.0519	0.326978	-0.22442	0.825033	0.855053	-6.32334	2.080492	2.179863	1.954926	1.578054	1.996426	2.196611	1.459147	1.809233	2.127218	0.54782	0.748206	0.639567	0.701742	0.7293	0.707101	0.576451	0.975239	0.659518
CD226	ENSG00000150637	-0.35189	1.818602	-1.02852	0.317729	0.380927	-5.80339	6.796655	6.84854	6.733892	6.432751	6.457769	6.491278	7.212248	7.322372	7.277066	0.269074	0.330605	0.230035	0.106501	0.345231	0.186984	0.257084	0.2791	0.106501
DLG2	ENSG00000150672	0.871517	3.350922	2.032583	0.057574	0.08447	-4.63014	7.215107	7.251721	7.214634	8.213643	8.057652	8.175346	7.893118	7.85487	7.855028	0.88529	1.152172	0.921995	0.787801	0.671977	0.760679	0.393424	0.816175	0.106501
PRSS23	ENSG00000150687	0.640442	9.472628	8.989838	5.72E-08	4.98E-07	7.88297	9.439214	9.442285	9.470256	10.21985	10.18361	10.17469	9.355417	9.326811	9.373185	9.354061	9.278149	9.354705	9.843578	9.87186	9.890015	8.621051	8.68731	8.661258
MTMR12	ENSG00000150712	-0.29041	5.493915	-6.82164	2.56E-06	1.23E-05	4.292104	5.872723	5.844079	5.93744	5.636843	5.419464	5.628736	5.657922	5.708593	5.683673	5.542307	5.473744	5.448471	5.188526	5.226323	5.292308	5.327829	5.271824	5.326909
PPP1R1C	ENSG00000150722	1.464485	2.113485	6.87701	2.31E-06	1.13E-05	4.855191	1.18244	1.277811	0.756332	1.022291	1.164793	1.123626	2.186178	1.760835	2.127218	3.013555	2.865607	3.077191	4.467344	4.525683	4.588211	3.603046	3.644015	3.930053
CCT5	ENSG00000150753	-0.43896	9.390349	-16.8687	2.96E-12	2.58E-10	18.14894	9.48093	9.464306	9.425424	9.01035	8.956626	8.985112	9.330547	9.369801	9.327713	9.734474	9.654022	9.693493	9.295445	9.263626	9.298059	9.588329	9.563679	9.624831
ATPSCKMT	ENSG00000150756	-0.16269	4.469915	-2.75485	0.013286	0.022736	-4.13628	4.461995	4.543506	4.429894	4.440838	4.258538	4.493254	4.651903	4.690335	4.654189	4.604112	4.555295	4.760864	4.47385	4.398927	4.423569	4.67445	4.534411	4.597643
DOCK1	ENSG00000150760	0.165563	5.661317	1.502034	0.15094	0.197923	-6.43889	7.054218	7.043585	7.098753	6.96769	6.940877	7.043877	7.074414	7.03502	7.071735	4.177304	4.209911	4.136142	4.792829	4.820936	4.695277	4.142342	4.195062	4.190648

DIXDC1	ENSG00000150764	0.156506	3.215554	1.396057	0.180179	0.230864	-6.09884	3.487617	3.57841	3.648527	3.921807	4.071202	3.982555	3.841036	3.924273	3.655245	2.978724	3.106888	2.826234	2.940139	2.714997	2.782986	3.133504	3.069818	3.107809
DLAT	ENSG00000150768	-0.48518	6.648588	-12.728	2.85E-10	7.01E-09	13.57077	6.939714	6.964035	6.815741	6.384118	6.411116	6.384578	6.783948	6.759804	6.688357	6.864513	6.882832	6.900425	6.378593	6.453088	6.457132	6.666451	6.581329	6.627877
PIH1D2	ENSG00000150773	0.776382	1.305125	5.207077	6.52E-05	0.000203	1.663016	1.18244	1.118985	1.256574	1.326771	1.373859	1.310092	1.389995	1.15884	1.171446	2.18395	2.355385	2.30059	3.02232	3.054776	3.085545	1.809319	2.500854	2.06284
NKAPD1	ENSG00000150776	-0.02147	5.655955	-0.49718	0.62526	0.679428	-7.59593	5.246942	5.331118	5.217952	5.199754	5.185395	5.131272	5.066264	5.219733	5.052019	6.235875	6.282621	6.304487	6.27717	6.280458	6.321092	6.010007	6.063691	5.940859
TIMM8B	ENSG00000150779	0.283739	5.919251	6.253062	7.71E-06	3.17E-05	3.065008	5.266237	5.275715	5.1197	5.643745	5.745129	5.602196	5.515028	5.450851	5.466856	6.303114	6.294863	6.345193	6.503073	6.472103	6.520626	6.500849	6.487651	6.50144
IL18	ENSG00000150782	-0.02932	5.12966	-0.17647	0.861954	0.88622	-7.57899	6.037128	5.975457	5.899874	5.294904	5.351085	5.227023	4.926746	5.083711	5.041756	4.782995	4.623947	4.765977	5.313474	5.292003	5.262439	4.714053	4.780497	4.749225
PTS	ENSG00000150787	0.132421	4.979036	1.798954	0.089317	0.124732	-5.94122	5.163648	5.154678	5.241504	5.543969	5.435093	5.461637	5.804633	5.795247	5.703339	4.489195	4.595438	4.488257	4.47385	4.492955	4.448272	4.644018	4.930438	4.646745
PIP4K2A	ENSG00000150867	-0.3539	5.122026	-6.15843	9.30E-06	3.72E-05	3.023017	5.367978	5.144404	5.287484	5.092847	4.955466	4.908703	5.238424	5.376512	5.300358	5.435051	5.310132	5.243822	4.948071	4.840579	5.009321	5.124869	5.217154	5.161062
FREM2	ENSG00000150893	1.020745	-0.06127	2.841428	0.011056	0.019288	-3.09639	0.216396	0.316291	0.219246	1.393812	1.612488	0.746642	0.548589	0.253663	0.925731	1.239286	1.8028	1.585733	1.689764	1.738515	1.876113	1.512637	1.766644	1.844513
FOXO1	ENSG00000150907	0.168577	4.196478	1.374201	0.186746	0.238293	-6.41569	4.564268	4.826575	4.908943	4.797189	4.801196	4.874612	4.792514	4.677356	4.745547	3.914031	4.008408	3.882059	4.283307	4.195307	4.062102	3.307556	3.215061	3.241681
CRIM1	ENSG00000150938	1.455525	7.565209	25.55449	2.74E-15	2.49E-12	25.34505	8.397648	8.420592	8.449695	10.04953	9.978083	10.03932	9.068514	9.003214	9.063683	5.548259	5.440069	5.437298	6.696956	6.665316	6.672491	5.806751	5.861261	5.828306
SEC24D	ENSG00000150961	0.545938	6.092241	3.054425	0.007	0.012862	-3.81486	5.437711	5.463733	5.300357	6.598236	6.484302	6.567948	5.574674	5.740142	5.512161	6.143238	6.105673	6.119148	6.264093	6.220499	6.236164	6.809664	6.726333	6.769838
ABCB9	ENSG00000150967	-0.20475	3.808525	-2.22629	0.039412	0.060052	-5.02975	4.321496	4.15733	4.339244	3.955484	4.231942	3.991672	3.774765	3.550079	3.236418	4.009149	3.958911	4.087963	3.86027	3.779712	3.922159	3.737235	3.815048	3.707454
RILPL2	ENSG00000150977	0.157911	3.638754	1.037416	0.313683	0.376456	-6.78488	3.361722	3.568199	3.81026	3.999198	4.030628	3.926609	3.027514	2.596487	3.023464	3.980092	4.051023	3.91004	4.118714	4.078843	3.824901	4.222335	4.07722	4.080593
DHX37	ENSG00000150990	0.071659	6.468987	1.164117	0.260022	0.319652	-7.09431	6.706538	6.65827	6.781722	6.631604	6.827023	6.691987	6.949305	6.700097	6.796075	6.128749	6.118253	6.298324	6.434692	6.241584	6.270045	6.283351	6.152392	6.079643
UBC	ENSG00000150991	-0.13034	9.911117	-3.98297	0.000917	0.0021	-2.08934	10.03179	9.986443	9.978623	9.902789	9.878717	9.881825	9.953886	9.954401	9.967483	9.965126	9.870341	9.856345	9.717851	9.757896	9.775214	9.94651	9.976049	10.02676
ITPR1	ENSG00000150995	-0.75723	4.121719	-5.33101	5.03E-05	0.000162	1.684829	5.983734	5.839841	5.939499	5.329563	5.355198	5.490866	5.904087	5.7022	5.767022	3.196464	3.339557	3.36689	2.096181	2.190279	2.014873	2.990321	3.2466	2.975687
SLC7A11	ENSG00000151012	-1.13132	6.512849	-4.84961	0.000139	0.000396	0.371114	9.070109	9.14211	9.131783	8.272165	8.345065	8.413177	10.19864	10.18022	10.16288	4.75239	4.80292	4.660116	2.42639	2.084417	2.416453	4.820694	4.867593	4.878182
NOCT	ENSG00000151014	-1.02593	4.202898	-8.71434	8.97E-08	7.21E-07	8.005198	5.623734	5.480165	5.50047	4.132759	4.240862	4.218286	4.758625	4.77806	4.782996	3.962373	4.002991	3.999574	3.442811	3.410675	3.470269	3.806044	3.903444	3.716682
GPR158	ENSG00000151025	0.717626	0.896291	4.526655	0.00028	0.000733	-0.0458	0.318509	0.316291	0.421314	0.934951	0.92021	0.461789	0.415731	0.106501	0.256032	3.145032	3.524821	3.38694	3.993008	4.056619	3.886451	3.775173	3.890192	3.87342
DCP1B	ENSG00000151065	0.129893	3.87277	1.495823	0.152538	0.199871	-6.23132	3.911847	3.804029	4.011539	4.020568	3.517104	3.936085	3.953155	3.711575	3.759121	4.119853	3.942027	3.896118	4.323482	4.095289	4.21867	3.97856	4.140146	4.157149
THRB	ENSG00000151090	-0.46703	4.566301	-4.47394	0.000313	0.000813	-0.4965	5.45743	5.441528	5.463752	4.510463	4.758354	4.859751	4.011872	3.999201	3.979442	4.782995	4.848932	4.902234	4.502766	4.608219	4.778803	4.156784	4.178806	4.122853
NGLY1	ENSG00000151092	0.089359	4.952173	1.56728	0.134975	0.179534	-6.35884	5.1077	5.151261	5.130553	5.05192	4.987618	5.068031	4.883375	4.933517	4.934903	4.886838	4.976009	4.890578	5.042999	5.255884	5.126195	4.908658	4.857415	4.802199
OXSM	ENSG00000151093	-0.38458	4.182963	-4.38104	0.000384	0.00097	-0.54868	4.863535	4.673038	4.706239	4.209199	4.040879	4.088331	4.606901	4.59002	4.563842	4.237473	4.056262	4.09204	4.102013	3.839509	3.985412	3.97856	4.029668	4.101878
UEVLD	ENSG00000151116	0.187706	4.627736	2.703768	0.014799	0.025045	-4.2468	4.876148	5.073976	4.848876	5.122798	4.998178	4.903882	5.141824	5.122533	4.88411	4.337085	4.219284	4.260892	4.546627	4.509412	4.588211	4.374256	4.216457	4.370952
C12orf45	ENSG00000151131	-0.53742	4.080899	-4.81069	0.000151	0.000427	0.390172	4.957532	4.86879	4.808898	3.966538	3.99943	3.878271	4.101117	4.060466	4.305329	4.14101	4.071868	4.194187	3.879997	4.005327	4.029733	3.917673	3.842828	4.007286
TMEM263	ENSG00000151135	0.630306	5.746065	12.61151	3.30E-10	7.81E-09	13.55032	6.392134	6.533918	6.337827	7.107814	7.047672	7.036187	6.700729	6.753634	6.638151	4.549776	4.675929	4.530928	5.180594	5.236244	5.074241	4.743057	4.826442	4.684858
UBE3B	ENSG00000151148	-0.22225	6.029768	-3.54925	0.002379	0.004902	-2.7415	6.384797	6.444632	6.504227	6.13993	6.056841	5.997951	5.97958	5.876989	5.842866	6.034383	6.104409	6.001619	5.997966	5.885918	6.012871	5.926779	5.891503	5.864042
ANK3	ENSG00000151150	0.537318	5.856659	5.812782	1.86E-05	6.77E-05	2.19185	6.1677	6.160165	6.212339	7.008369	6.850524	6.916826	5.523124	5.714958	5.629879	5.481405	5.58849	5.456399	5.887795	5.764345	5.829155	5.15875	5.302159	5.259054
IPMK	ENSG00000151151	0.310946	3.566047	2.106482	0.049897	0.074262	-5.08025	3.672523	3.608619	3.586821	4.456603	4.071202	4.434292	4.4712	4.265167	4.313883	3.331423	3.509623	3.149392	3.100071	3.320292	3.106389	3.209363	3.422593	3.466183
PLBD2	ENSG00000151176	0.641738	7.062886	13.56359	1.03E-10	3.34E-09	14.59853	7.380646	7.387136	7.406928	8.197315	8.065832	8.138368	7.284283	7.222041	7.275972	6.386308	6.418004	6.397191	6.97949	6.901065	6.902174	6.277855	6.338302	6.391939
DLG5	ENSG00000151208	0.306442	6.328411	3.158552	0.005587	0.01051	-3.60091	6.429698	6.424961	6.484623	6.418735	6.497388	6.56337	6.575907	6.472967	6.464636	5.791772	5.755629	5.755256	6.337271	6.292394	6.259615	6.610714	6.554279	6.561569
SLC2A13	ENSG00000151229	-0.01701	3.632611	-0.06487	0.949016	0.957961	-7.12716	4.315334	4.418344	4.332993	5.142425	4.950037	4.956049	4.568297	4.349405	4.296723	3.246125	3.455132	3.470739	2.329284	2.307842	2.481722	2.935534	2.985098	3.421736
GXYLT1	ENSG00000151233	-0.81224	6.003604	-12.5447	3.58E-10	8.32E-09	13.41738	6.94571	6.957203	6.994691	6.020383	5.981675	6.057773	6.591391	6.530034	6.500674	5.885637	5.82019	5.721443	5.060393	5.231292	5.208029	5.664076	5.524288	5.821907
TWF1	ENSG00000151239	-0.10607	7.281359	-1.92927	0.070096	0.100562	-6.08263	7.545017	7.581797	7.520613	7.427738	7.327502	7.383069	7.663335	7.735503	7.645661	7.130226	7.074477	7.082544	6.9634	7.08318	7.102859	6.948263	6.976456	7.04815
DIP2C	ENSG00000151240	0.405229	4.174974	5.542066	3.24E-05	0.00011	2.009863	4.683882	4.872944	5.079193	5.195063	5.266255	5.1639	4.968851	4.997573	5.010523	3.255856	3.330936	3.225594	3.730461	3.666873	3.78667	3.623987	3.494411	3.477085
EIF4E	ENSG00000151247	-0.15171	6.628392	-3.05718	0.006959	0.012794	-3.86419	6.568285	6.46679	6.382396	6.530955	6.385201	6.48967	6.595237	6.677461	6.675138	6.845307	6.853036	6.870476	6.52673	6.613925	6.630836	6.823309	6.784789	6.863166
MAGI1	ENSG00000151276	-0.18382	3.541182	-2.91737	0.0094	0.016696	-3.65576	3.633432	3.439663	3.607684	3.441022	3.170134	3.247073	3.178682	3.160038	3.289427	4.020609	4.176619	4.16352	3.988472	3.976023	4.046009	3.945668	3.815048	3.716682
TEX30	ENSG00000151287	-1.0312	3.943974	-10.4738	5.90E-09	7.75E-08	10.78432	4.252223	4.12286	4.095173	3.290819	3.643567	3.59692	4.215456	4.299455	4.380548	4.717605	4.483212	4.566525	3.507651	3.436722	3.308792	4.258497	4.273707	4.317368
CSNK1G3	ENSG00000151292	0.564096	5.270209	8.138567	2.37E-07	1.61E-06	6.776198	4.988842	4.852052	4.826803	5.44865	5.411586	5.397916	5.570773	5.602735	5.478316	4.933056	5.145366	5.060406	5.57332	5.587692	5.657942	5.278052	5.326959	5.423057
SRFBP1	ENSG00000151304	-0.41928	5.11936	-4.49125	0.000302	0.000786	-0.52226	5.515021	5.525733	5.390399	4.833866	4.752128	4.740428	5.315037	5.481041	5.342774	5.339908	5.224293	5.272845	5.064709	5.10974	5.076884	4.950708	4.933671	5.052285
AKAP6	ENSG00000151320	-0.23134	2.186417	-1.08344	0.293332	0.354843	-6.46422	2.762544	2.470453	2.37563	1.256461	1.006428	1.757653	1.70672	1.491012	2.127218	3.45483	3.562131	3.318995	3.593793	3.637228	3.571181	2.509956	2.465551	2.724423
FAM177A1	ENSG00000151327	0.413492	5.980136	7.033549	1.72E-06	8.72E-06	4.625404	5.777323	5.644701	5.576519	6.087736	6.137866	6.146161	6.008705	6.180458	6.1928	5.850748	5.87162	5.904123	6.241396	6.257503	6.218323	6.058246	6.021773	5.892821
MBIP	ENSG00000151332	0.075669	4.494234	1.216248	0.240061	0.297321	-6.81699	3.593253	3.494617	3.755225	3.647423	3.912781	3.838399	3.788265	3.879643	3.628063	5.471	5.542561	5.453233	5.485908	5.552391	5.519102	5.31071	5.26414	5.133766
MIPOL1	ENSG00000151338	-0.13596	3.347304	-1.46029	0.161952	0.210291	-6.14716	3.397161	3.35903	3.431666	2.999448	3.260629	3.321269	3.405851	3.3682	3.498982	3.864012	3.70241	3.641797	3.60569	3.695921	3.62273	3.516101	3.277464	3.823043
EXT2	ENSG00000151348	0.881136	5.972717	9.798054	1.61E-08	1.76E-07	9.521683	6.255601	6.415023	6.380882	7.506528	7.40494	7.484236	6.96722	7.094814	7.024309	4.789709	4.722812	4.857431	5.233307	5.243641	5.439201	5.137061	4.99066	5.09537
TMEM18	ENSG00000151353	-0.39517	4.86553	-4.18972	0.000583	0.001404	-1.06467	5.677569	5.504468	5.552509	5.137544	5.104628	5.093661	5.958837	5.868449	5.892253	4.438829	4.382523	4.52189	4.167687	4.148793	4.174939	4.37837	4.377068	4.203832
KCTD14	ENSG00000151364	1.397054	-1.09855	5.179255	6.92E-05	0.000214	1.755815	0.106501	0.316291	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.256032	1.352446	1.152172	1.277453	2.51737	2.451029	2.382676	2.417026	2.078458	1.973284
NDUFC2	ENSG00000151366	0.184187	3.469047	2.132599	0.047415	0.070849	-5.05745	3.87042	3.704977	3.65856	3.714523	3.855857	3.700636	3.747379	3.913244	3.979442	3.331423	3.414909	3.187996	3.587808	3.666873	3.525482	3.227721	3.347011	3.364179
ME3	ENSG00000151376	-0.15605	3.018813	-2.61022	0.018006	0.029802	-4.41786	2.021155	1.744817	2.049454	1.688986	1.864131	1.714252	1.648695	1.430416	1.314712	5.183009	5.087685	5.013889	5.023176	4.888549	4.929692	4.619897	4.691628	4.82371
NUBPL	ENSG00000151413	-0.36346	4.352493	-3.9529	0.00098	0.002225	-1.60603	4.484137	4.668265	4.647003	3.727576	3.832443	3.776446	4.034706	4.009594	4.011347	4.899309	4.860959	4.888235	4.753268	4.804359	4.775553	4.458278	4.568087	4.477932
NEK7	ENSG00000151414	0.002684	6.505328	0.015107	0.988118	0.989995	-7.74372	6.955649	6.951322	6.987744	7.628977	7.557316	7.547427	7.475831	7.508841	7.498653	6.123444	6.056844	6.02633	5.219825	5.432385	5.314871	5.589736	5.819927	5.754064
FER	ENSG00000151422	-0.04501	4.811931	-0.66738	0.513243	0.575419	-7.30934	4.654895	4.769782	4.808898	4.487626	4.507984	4.71863	4.864381	4.960553	4.906906	4.98955	5.118067	4.840568	4.978126	5.020703	5.020346	4.931237	5.012228	4.969789
VIPAS39	ENSG00000151445	-0.31124	5.050259	-3.93741	0.001014	0.002291	-1.78097	5.045778	5.102561	5.137743	4.350907	4.462952	4.473866	4.512454	4.428995	4.296723	5.733768	5.604673	5.629067	5.553494	5.483259	5.583703	5.420516	5.449467	5.483771
ANKRD50	ENSG00000151458	0.180336	5.578394	1.437974	0.168106	0.217232	-6.64401	5.49062	5.564777	5.460888	5.988204	5.754503	5.984314	5.784566	5.879824	5.866318	5.742445	5.807818	5.55273	5.658595	5.640943	5.692815	4.991566	5.02441	5.09537
UPF2	ENSG00000151461	0.144726	5.20171	2.847867	0.010905	0.019064	-4.11011	4.945613	4.872944	5.16615	5.222985	5.14795	5.085168	5.093706	5.146277	5.197793	5.293423	5.290258	5.414689	5.484298	5.499826	5.40806	5.430457	5.331868	5.323893
CDC123	ENSG00000151465	-0.41747	6.726471	-5.85064	1.72E-05	6.36E-05	2.171061	7.105111	7.098723	7.068973	6.418735	6.395223	6.329914	6.720229	6.730259	6.76989	6.858938	6.769372	6.868695	6.623524	6.696193	6.68813	6.741831	6.72073	6.7271
SCLT1	ENSG00000151466	-0.0489	2.785505	-0.33694	0.740177	0.78277	-6.97084	2.589523	2.332462	2.399755	2.887595	2.970101	3.103073	3.004565	3.196885	3.143496	3.265521	3.166245	3.360144	2.842976	2.925848	2.870883	3.333216	3.160915	3.30423
C4orf33	ENSG00000151470	0.461467	2.742924	4.37462	0.000389	0.000982	-0.25365	2.850396	2.802095	3.06005	3.21869	3.531716	3.306732	3.178682	3.023117	2.937508	2.620402	2.766797	2.735323	2.892375	3.131201	3.21594	2.639009	2.392244	2.880366
FRMD4A	ENSG00000151474	-0.335	-1.2871	-0.84372	0.410225	0.475221	-5.79779	1.755904	1.883052	1.744977	2.021307	1.909591	1.757653	1.917967	1.901414	2.005764	0.269074	0.259702	0.106501	0.106501	0.106501	0.106501	0.183756	0.19538	0.214669
EPS8	ENSG00000151491	-0.18987	5.754746	-2.02142	0.058823	0.086054	-5.84168	5.253402	5.154678	5.281005	4.299384	4.600983	4.668345	4.011872	3.946081	3.924645	7.192349	7.173631	7.24056	7.177801	7.211933	7.263431	6.543607	6.654673	6.705246
ACAD8	ENSG00000151498	-0.36815	4.821795	-5.06835	8.74E-05	0.000262	0.75949	4.901049	4.813666	4.822347	4.122913	4.318753	4.372816	4.723921	4.722281	4.782996	5.422146	5.214953	5.29777	5.075443	5.037822	5.082154	4.991566	5.009167	5.037632
THYN1	ENSG00000151500	-0.76219	4.565922	-5.75135	2.11E-05	7.54E-05	2.254816	4.957532	4.984658	4.808898	3.533117	3.278066	3.584921	4.321396	4.489649	4.339245	5.269607	5.235883	5.353173	4.905394	4.931925	4.836082	4.905811	4.801884	4.869935
VPS26B	ENSG00000151502	0.093694	6.102267	1.604079	0.126613	0.169839	-6.48004	5.838758	5.85672	5.790077	6.017729	6.061883	6.113125	6.360105	6.35158	6.249637	6.143238	6.092983	6.207294	6.195885	6.060794	6.112827	6.253425	6.270882	6.254557
NCAPD3	ENSG00000151503	-1.50405	5.909641	-14.6398	3.01E-11	1.36E-09	15.96377	6.183009	6.15335	6.144358	5.185634	5.128856	5.234723	5.95585	6.032872	5.99689	6.787781	6.795455	6.779872	5.04081	4.979952	4.94134	6.550916	6.505142	6.469044
VTI1A	ENSG00000151532	-0.1122	4.623566	-1.82768	0.084721	0.11899	-5.85821	5.217507	5.250391	5.159101	5.067404	4.922581	4.879531	4.851577	4.938965	4.889843	4.290508	4.394983	4.500578	4.489986	4.403337	4.398437	4.175819	4.273707	4.223386
QDPR	ENSG00000151552	-0.34944	5.468376	-4.25384	0.000507	0.001241	-1.08078	6.050174	6.13617	6.130008	5.558653	5.503402	5.391041	5.840713	5.970398	5.94552	5.218274	5.102956	5.308321	5.182581	5.117812	5.110805	5.203493	5.152027	5.130317
FAM160B1	ENSG00000151553	-0.10129	4.689761	-1.1588	0.262126	0.321951	-6.6568	6.179621	6.173699	6.176132	6.241251	6.239272	6.168443	5.843949	5.962395	5.967373	3.772076	3.619889	3.70172	3.149671	3.495729	3.281558	3.307556	3.225651	3.432977
TEX9	ENSG00000151575	1.292993	2.728534	12.20923	5.50E-10	1.17E-08	13.21083	2.27083	2.356396	2.492412	3.342644	3.394558	3.247073	3.004565	2.848856	2.748518	2.510897	2.604605	2.510098	3.623353	3.766081	3.916269	2.666185	2.99751	2.79582
QTRT2	ENSG00000151576	-0.48393	6.00021	-8.49887	1.28E-07	9.67E-07	7.300401	6.113688	6.137897	6.091646	5.355021	5.431202	5.510028	5.973684	5.975709	5.892253	6.403919	6.368317	6.347752	6.09716	5.999495	6.004567	6.220575	6.171688	6.334655
MMAA	ENSG00000151611	-0.14	2.98718	-1.00502	0.328601	0.391935	-6.51483	3.719942	3.904854	3.863273	3.325575	3.112982	3.364021	3.474265	3.477062	3.641718	2.679436	2.792142	2.714318	3.057395	3.009215	2.98783	2.554269	2.741225	2.687355
ZNF827	ENSG00000151612	0.856647	4.995039	6.50626	4.70E-06	2.06E-05	3.71986	4.081197	4.236845	4.034833	5.633379	5.547207	5.559916	4.779054	4.489649	4.66091	5.093595	5.174568	4.98568	5.613644	5.462279	5.521044	5.251384	5.391866	5.284099
EDNRA	ENSG00000151617	-1.18119	1.373725	-8.12779	2.41E-07	1.64E-06	6.986785	0.106501	0.410755	0.219246	0.395333	0.389229	0.2349	0.886508	0.387194	0.515351	5.240498	5.184173	5.183964	3.90909	4.062207	3.957004	5.484891	5.570712	5.489166
NR3C2	ENSG00000151623	1.231247	-0.14875	4.594733	0.000241	0.000644	0.341886	0.882475	0.410755	0.219246	0.106501	1.006428	0.461789	0.269385	0.106501	0.106501	2.204194	2.437987	1.896649	3.332595	3.310934	3.404467	1.708352	1.795362	1.665483
AKR1C2	ENSG00000151632	0.691245	5.345484	1.671658	0.112398	0.152698	-5.61987	8.91652	8.954429	8.905119	9.831087	9.857307	9.82701	9.152793	9.17551	9.124514	2.83033	2.66072	2.30059	1.054048	0.837535	1.247156	2.283004	2.146913	2.200755
DPYSL4	ENSG00000151640	0.289573	0.309534	0.957795	0.351228	0.415528	-5.91795	1.430644	0.8079	1.54317	1.688986	1.612488	1.956998	1.588238	1.710758	1.727075	0.834246	1.369793	0.807652	0.945898	0.671977	0.812339	0.738851	1.16325	0.872651
ADAM8	ENSG00000151651	0.363238	4.134075	2.583423	0.01904	0.031325	-4.61094	2.416107	2.332462	2.514675	2.48816	2.490996	2.675323	2.102195	2.290412	2.616448	5.337619	5.599299	5.507659	5.926252	5.844361	5.824445	7.203182	7.149101	7.054532
KIN	ENSG00000151657	0.228792	3.464994	3.399349	0.003305	0.006553	-2.56443	3.443098	3.347134	3.39613	3.425084	3.616407	3.472196	3.602068	3.672864	3.468658	3.673879	3.509623	3.489405	3.762697	3.915568	3.78667	3.623987	3.705831	3.797179
PIGF	ENSG00000151665	-0.63394	4.788159	-10.1926	8.91E-09	1.08E-07	10.22432	5.015692	5.077581	5.060398	4.072648	4.293254	4.34463	4.883375	4.976535	4.776822	5.223242	5.19846	5.156974	4.695993	4.66441	4.735974	5.018176	4.956102	5.01537
ANKAR	ENSG00000151687	0.137999	0.702324	0.553764	0.586756	0.644196	-6.33919	1.286899	1.591918	1.499186	1.104644	1.768674	1.250575	1.648695	1.658879	1.314712	0.781331	1.228418	1.73919	1.548989	1.393161	1.390007	1.320757	1.547811	1.626848
INPP1	ENSG00000151689	-0.27	3.8478	-2.30249	0.033843	0.052434	-4.94305	3.114469	3.057038	3.013906	3.57705	3.531716	3.445903	3.474265	3.698786	3.60036	4.789709	4.602618	4.719298	4.163669	4.067774	4.315833	4.730238	4.683969	4.646745
MFSD6	ENSG00000151690	0.984078	5.652112	16.19901	5.77E-12	4.20E-10	17.62979	4.984965	4.826575	4.831244	5.800209	5.919145	5.958972	4.487843	4.533523	4.41276	6.038616	6.087875	5.886627	6.957609	6.925031	6.938226	5.857736	5.989515	5.91704
RNF144A	ENSG00000151692	-0.24144	3.62662	-2.40389	0.027562	0.043609	-4.55784	4.302931	4.424018	4.388298	4.440838	4.293254	4.330328	4.143751	4.070428	3.979442	3.385609	3.509623	3.406715	2.949505	2.950162	3.085545	3.171932	3.422593	3.279535
ASAP2	ENSG00000151693	0.009738	6.101042	0.147856	0.884149	0.90536	-7.64463	7.270302	7.190625	7.21803	7.35179	7.321207	7.235461	7.228432	7.215322	7.151451	4.936085	4.893523	5.076957	4.922141	4.875912	4.863891	5.177758	5.211838	5.194471
ADAM17	ENSG00000151694	-0.12241	6.45858	-1.83151	0.084124	0.118257	-6.18009	6.536854	6.439039	6.56416	6.130133	6.142633	6.087841	6.434968	6.427182	6.403833	6.60001	6.574087	6.549493	6.661776	6.634702	6.68813	6.558188	6.549018	6.578118
FLI1	ENSG00000151702	-1.10453	-1.02956	-2.84455	0.010982	0.019176	-2.87055	3.17016	3.310847	3.24453	2.021307	2.155834	1.919272	3.80164	3.89093	3.655245	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
TMEM45B	ENSG00000151715	1.265266	0.480844	10.95252	2.98E-09	4.45E-08	11.46865	0.216396	0.316291	0.219246	0.106501	0.389229	0.2349	0.106501	0.106501	0.106501	3.695491	3.774119	3.738597	5.107173	4.956139	4.938437	4.132632	3.986735	3.992166
WWC2	ENSG00000151718	0.409265	5.844515	2.842038	0.011041	0.019267	-4.14475	6.477388	6.488612	6.464749	6.406612	6.452019	6.508848	6.928119	6.973969	6.904826	4.710546	4.758608	4.551799	5.631211	5.57015	5.555558	5.117505	5.126826	5.119922
CENPU	ENSG00000151725	-1.81253	4.869419	-9.64977	2.02E-08	2.10E-07	9.464937	5.476884	5.430295	5.372225	4.342447	4.439897	4.656929	5.657922	5.6164	5.719525	5.560088	5.518087	5.524349	3.221013	3.141796	3.064395	5.353134	5.375316	5.332922
ACSL1	ENSG00000151726	1.128502	7.149054	4.728352	0.000181	0.000499	-0.26294	6.244294	6.224976	6.291837	8.408097	8.368655	8.402108	7.351757	7.297141	7.232643	7.04721	7.048421	7.001418	7.208843	7.22818	7.182313	6.758499	6.786578	6.807033
SLC25A4	ENSG00000151729	0.507596	5.057837	8.390756	1.54E-07	1.12E-06	7.258312	4.683882	4.604738	4.59048	5.190356	5.248674	5.211499	5.409787	5.400404	5.44755	4.842324	4.836805	4.86698	5.26928	5.250999	5.269387	5.284643	5.299655	5.144062
AMN1	ENSG00000151743	-1.45936	3.444154	-13.9954	6.24E-11	2.31E-09	15.35445	4.553837	4.468622	4.37619	2.887595	3.073582	2.763128	4.011872	4.203129	3.796224	3.991785	3.842432	3.990867	2.770846	2.962168	2.716753	3.470581	3.422593	3.279535
BICD1	ENSG00000151746	-0.11124	4.774597	-1.56796	0.134817	0.17939	-6.40224	3.792713	3.829904	3.979882	4.199863	4.231942	4.121933	3.916741	3.749274	3.867685	5.847534	5.823267	5.877208	5.623918	5.606937	5.563117	5.708869	5.755617	5.595534
SAV1	ENSG00000151748	-0.22195	5.54875	-3.62639	0.002009	0.004223	-2.51848	5.876913	5.776943	5.796906	5.312338	5.465853	5.484421	5.272444	5.408281	5.207006	5.664228	5.862677	5.881925	5.72145	5.743628	5.689366	5.361471	5.539222	5.385942
CCDC122	ENSG00000151773	-0.08239	1.954856	-0.6689	0.512299	0.574406	-6.65952	2.461454	2.09705	2.399755	1.840866	1.768674	1.919272	1.966276	1.85606	1.873138	2.749986	2.604605	2.473063	2.67247	2.850343	2.703134	2.400938	2.33471	2.549558
NBAS	ENSG00000151779	-0.02006	5.579557	-0.41371	0.684119	0.732184	-7.54155	6.397977	6.437637	6.454708	6.314452	6.228101	6.338872	6.042896	6.035417	6.059269	5.001167	4.995233	4.979091	5.125882	5.085249	5.110805	4.783949	4.874338	4.784756
TDO2	ENSG00000151790	-0.45998	-1.02798	-1.27452	0.219165	0.274447	-5.43025	2.917019	2.71221	3.231147	2.325974	2.366112	2.22781	3.258446	3.40015	3.199964	0.106501	0.106501	0.106501	0.171976	0.190544	0.106501	0.106501	0.106501	0.106501
GUF1	ENSG00000151806	-0.18862	5.857856	-3.19736	0.005136	0.009736	-3.45519	6.279537	6.216828	6.245997	5.860706	5.845033	6.0137	6.202659	6.265306	6.157591	5.703867	5.716452	5.688165	5.662871	5.650249	5.640184	5.562876	5.530707	5.666299
SACS	ENSG00000151835	-0.02849	3.896293	-0.12778	0.899779	0.917888	-6.93734	6.232898	6.113526	6.222519	6.257092	6.216843	6.534028	6.591391	6.455968	6.561203	2.14259	2.590228	2.228347	1.365252	1.528499	1.247156	1.970607	2.392244	2.091498
CENPJ	ENSG00000151849	-1.45989	3.492179	-6.87222	2.33E-06	1.13E-05	4.831437	3.87042	4.243278	4.138828	3.51817	3.531716	3.523386	4.011872	4.238905	4.132351	4.054455	4.260723	4.008229	2.145912	2.269709	2.10048	3.737235	4.005291	3.753014
FBXO4	ENSG00000151876	-0.3391	2.827813	-3.04267	0.00718	0.013157	-3.11029	3.613482	3.57841	3.576275	3.255206	3.47236	3.523386	2.981245	3.063581	3.104585	3.013555	2.741	2.902498	2.504718	2.533802	2.416453	2.77004	2.799093	2.724423
TMEM267	ENSG00000151881	0.607246	4.403564	5.285918	5.53E-05	0.000176	1.41002	4.369865	4.312206	4.332993	4.667726	4.662026	4.531264	5.515028	5.469794	5.330179	3.584041	3.576789	3.543997	4.543538	4.307781	4.329194	4.511692	4.442079	4.572451
CCL28	ENSG00000151882	0.63234	0.30035	4.101074	0.000708	0.001667	-0.99312	0.503316	0.215206	0.106501	0.258133	0.389229	0.106501	0.269385	0.106501	0.106501	3.50465	3.447177	3.549937	4.126992	4.13825	4.104162	3.842237	3.84969	3.889829
PARP8	ENSG00000151883	0.897741	4.047132	13.94174	6.64E-11	2.42E-09	15.2764	3.071243	3.298545	3.270929	3.921807	3.923901	4.018682	3.405851	3.856799	3.668646	4.19764	4.314187	4.067404	5.049546	5.068687	5.110805	4.687772	4.784083	4.869935
GFRA1	ENSG00000151892	-0.69068	-1.19245	-1.74813	0.097984	0.135415	-4.79832	3.710582	3.741788	3.801232	2.791417	3.093416	3.247073	1.816207	1.549165	2.34318	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CACUL1	ENSG00000151893	-0.13896	6.118937	-1.99375	0.062023	0.090271	-5.84251	6.637833	6.641322	6.664647	6.344419	6.28095	6.347775	6.566144	6.651149	6.466555	5.826467	5.850665	5.792059	5.82303	5.920171	5.854018	5.687476	5.562382	5.622786
DST	ENSG00000151914	0.028222	8.438608	0.225225	0.824417	0.854659	-7.89595	9.310954	9.290995	9.370788	9.276884	9.186962	9.429048	9.740865	9.748566	9.726079	7.496719	7.761834	7.283083	7.577624	7.590589	7.617997	7.241516	7.140033	7.203088
BEND6	ENSG00000151917	1.175768	1.152983	5.54845	3.20E-05	0.000109	2.494279	1.18244	1.002471	1.088647	2.605941	2.366112	2.196611	1.588238	2.029503	1.620777	1.423238	1.435603	1.514616	2.044674	1.622273	1.970087	1.708352	2.006592	1.81044
TIAL1	ENSG00000151923	-0.1695	6.483738	-3.8747	0.001164	0.002582	-2.06935	6.65135	6.744686	6.689324	6.707684	6.622106	6.63203	6.720229	6.80227	6.803687	6.401729	6.341745	6.450559	6.095052	6.119594	6.138353	6.343508	6.360093	6.386167
BAG3	ENSG00000151929	-0.46928	7.47188	-3.99631	0.000891	0.002044	-1.90242	7.777938	7.721964	7.826181	7.515023	7.575941	7.415611	7.290226	7.243113	7.231515	7.718322	7.501591	7.694174	7.083114	6.924264	7.020833	7.686009	7.726922	7.694869
KCNE4	ENSG00000152049	0.758013	2.491125	1.827783	0.084705	0.118979	-4.77613	8.460421	8.611072	8.548766	9.367754	9.282121	9.323338	10.33395	10.34124	10.30762	0.106501	0.259702	0.16959	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
AP1S3	ENSG00000152056	-0.19095	4.960847	-3.37672	0.003473	0.006848	-2.99661	4.321496	4.440906	4.339244	4.359318	4.071202	4.241401	4.411387	4.444399	4.305329	5.901221	5.75079	5.820595	5.52402	5.566222	5.769963	5.595049	5.737233	5.642288
RABGAP1L	ENSG00000152061	0.536066	5.09526	3.740004	0.001565	0.00337	-2.22859	4.945613	4.992316	4.966609	4.863733	4.733289	4.707606	4.445869	4.62424	4.694053	5.319175	5.245089	5.269249	6.186014	6.174803	6.273505	4.975361	5.123998	4.99276
CCDC74B	ENSG00000152076	1.606379	0.231752	5.035783	9.37E-05	0.000279	1.537986	1.235614	0.8079	1.406977	2.103714	2.490996	2.288255	1.459147	1.301009	1.445026	0.269074	0.986408	0.594297	1.392977	1.032323	0.910419	0.930351	0.69947	1.058313
TLCD4	ENSG00000152078	0.604816	4.736407	2.635848	0.017066	0.028427	-4.3503	5.517707	5.659206	5.517107	5.714295	5.3593	5.654797	5.616898	5.777111	5.719525	3.496465	3.605665	3.38694	4.800613	4.959137	4.894173	3.447271	3.68296	3.68882
MZT2B	ENSG00000152082	0.23224	5.931784	1.774432	0.093411	0.129953	-6.13629	6.41968	6.582925	6.850072	6.854734	7.074115	6.723795	6.770407	6.533639	6.826285	4.61171	5.064472	5.332646	5.20426	5.22881	5.186167	5.638576	5.456227	4.926702
FAM168B	ENSG00000152102	-0.38467	8.219178	-6.46816	5.06E-06	2.20E-05	3.332744	8.791697	8.785661	8.76965	8.278831	8.246092	8.29755	8.809372	8.813089	8.756433	8.032508	7.994564	7.916788	7.741263	7.681894	7.732621	7.841237	7.798714	7.751523
PTPN14	ENSG00000152104	0.090701	6.270404	1.513246	0.14809	0.194669	-6.57327	7.068943	7.15695	7.136032	7.11404	7.107417	7.175718	7.274724	7.288631	7.281434	5.360348	5.425972	5.269249	5.607741	5.381888	5.602165	5.371825	5.307153	5.353773
SMPD4BP	ENSG00000152117	-0.47966	3.78639	-6.50108	4.74E-06	2.08E-05	3.969004	4.117062	3.896716	4.087767	3.714523	3.48743	3.711713	4.034706	4.019913	3.82044	4.156676	4.247042	4.008229	3.708564	3.583837	3.637126	3.836267	3.88352	4.101878
MGAT5	ENSG00000152127	-1.06179	4.827619	-10.1175	9.96E-09	1.18E-07	10.29996	7.67161	7.745945	7.717608	6.527227	6.530503	6.612955	7.26992	7.213075	7.170416	2.817246	2.924094	2.93917	2.439743	2.363215	2.481722	2.935534	2.985098	2.880366
GPATCH11	ENSG00000152133	-0.18779	4.375336	-1.1904	0.249806	0.308265	-6.67762	4.357924	4.324392	4.242513	4.448742	4.485643	4.473866	5.183289	5.201716	4.99996	4.533868	4.5846	4.500578	3.997531	4.10073	4.083285	4.122857	4.128907	4.286716
HSPB8	ENSG00000152137	-1.33434	1.007861	-3.59353	0.002159	0.004502	-1.42615	6.877296	6.67621	6.746881	5.342348	5.582723	5.35617	7.131137	7.15691	7.16215	0.106501	0.185134	0.230035	0.106501	0.190544	0.106501	0.106501	0.106501	0.106501
GEMIN6	ENSG00000152147	-0.18226	5.219157	-3.88113	0.001147	0.002551	-1.91806	5.023273	5.048491	5.134153	4.921675	5.079986	5.006395	4.825625	4.771967	4.912549	5.742445	5.645223	5.722758	5.436806	5.538426	5.410157	5.531817	5.449467	5.470195
POU4F1	ENSG00000152192	-0.24705	2.661183	-2.39329	0.028163	0.044466	-4.4326	2.762544	2.596389	2.641489	2.425456	2.762786	2.825643	2.607661	2.801791	2.616448	3.206534	3.204502	3.247691	3.108457	2.913535	2.618601	3.143207	3.215061	3.202807
OBI1	ENSG00000152193	-0.81611	4.511818	-10.8485	3.45E-09	5.06E-08	11.23835	5.071598	4.961437	4.720675	4.190466	3.901574	4.130213	4.283766	4.547856	4.563842	4.980776	4.902278	5.043664	4.171694	4.259953	4.311352	4.768358	4.691628	4.898598
SETBP1	ENSG00000152217	-0.08522	-1.25006	-0.37701	0.710702	0.757434	-6.14392	2.884092	2.91921	3.044832	2.766336	2.633282	3.152687	2.412257	2.357042	2.697131	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ARL14EP	ENSG00000152219	-0.25997	4.583413	-2.18186	0.043039	0.064998	-5.22105	5.446195	5.363957	5.30675	4.753186	4.770725	4.604407	5.208612	5.068879	5.046897	4.217694	4.132653	4.238998	4.407437	4.340341	4.351192	4.199264	4.156841	4.044405
EPG5	ENSG00000152223	0.065429	4.340665	0.933167	0.363447	0.428311	-7.01182	4.610293	4.463121	4.453135	4.619522	4.500575	4.580436	4.154215	4.282412	4.216877	4.545816	4.771408	4.352105	4.621778	4.545767	4.649854	4.021281	3.980496	4.073428
PSTPIP2	ENSG00000152229	-0.13943	2.883421	-0.56538	0.579004	0.63711	-6.9403	2.744313	2.784561	3.075109	1.256461	1.498102	1.757653	3.178682	3.302095	3.289427	3.560679	3.501964	3.439082	3.88976	3.871689	3.760608	3.743628	3.779553	3.68882
ATP5F1A	ENSG00000152234	0.307586	8.39528	5.897669	1.57E-05	5.86E-05	2.157212	8.505094	8.531511	8.468707	8.964568	8.96203	8.973942	8.928462	9.012933	8.975451	7.896058	7.828423	7.925952	8.078176	7.976369	8.031964	8.042279	8.020553	8.076272
HAUS1	ENSG00000152240	-0.72554	3.917049	-10.2741	7.90E-09	9.76E-08	10.50183	4.584905	4.490417	4.418131	4.031135	3.967543	3.818042	4.302704	4.467202	4.3476	4.048869	4.107636	4.046548	3.281595	3.233802	3.387537	4.010719	3.765107	3.992166
C18orf25	ENSG00000152242	-0.10247	5.495247	-0.93373	0.363166	0.428087	-7.2267	5.747885	5.587707	5.68602	4.96641	5.1432	5.155812	5.431459	5.412203	5.408147	5.643993	5.631248	5.651341	5.886577	5.904702	5.822871	5.36976	5.5519	5.510546
SPC25	ENSG00000152253	-1.86492	2.802896	-7.06736	1.61E-06	8.27E-06	5.34624	3.827767	4.043996	3.889066	2.933382	3.170134	2.904994	3.953155	4.157125	4.151567	3.303547	3.390227	3.353367	1.018891	1.393161	1.002253	2.990321	2.947209	3.107809
PDK1	ENSG00000152256	-0.84629	5.069215	-4.93929	0.000115	0.000335	0.527278	5.684757	5.722732	5.676178	5.28169	5.166794	5.280077	5.422829	5.473553	5.577558	4.905504	5.048786	4.994418	3.90909	3.878039	3.760608	5.378002	5.480747	5.486471
PDE3B	ENSG00000152270	2.249209	0.311899	6.151267	9.43E-06	3.77E-05	3.708168	4.09565	4.17089	4.275483	6.412686	6.426835	6.45713	5.077304	5.210752	5.216162	0.106501	0.106501	0.106501	0.106501	0.26996	0.106501	0.106501	0.106501	0.214669

TCF7L1	ENSG00000152284	0.900436	0.81631	6.021685	1.22E-05	4.72E-05	3.43971	1.069823	1.118985	0.964748	1.933905	1.437317	1.714252	1.240874	1.082132	1.38134	1.388276	1.265082	1.696985	2.079215	1.921808	1.970087	1.809319	1.478665	1.546329
TGOLN2	ENSG00000152291	-0.34033	8.710705	-3.58039	0.002222	0.004616	-2.89616	8.635083	8.700275	8.652178	8.054407	8.192501	8.158241	9.173195	9.081964	9.129065	8.838584	8.856691	8.797749	8.613319	8.695292	8.650419	8.882885	8.862712	8.883657
UHMK1	ENSG00000152332	-0.26476	8.503184	-7.7598	4.59E-07	2.81E-06	5.785846	8.891369	8.841844	8.855558	8.569947	8.49938	8.541718	8.627937	8.673407	8.535162	8.516391	8.521179	8.450338	8.250988	8.27023	8.347516	8.237508	8.232278	8.269318
ATG10	ENSG00000152348	0.695836	3.198009	7.732413	4.82E-07	2.93E-06	6.45029	3.408783	3.286138	3.489013	4.103016	3.844198	4.018682	3.733489	4.119235	4.011347	2.650221	2.437987	2.638296	3.165832	3.162755	3.326666	3.143207	3.069818	2.928814
POC5	ENSG00000152359	-0.11875	3.76894	-1.43356	0.169345	0.218556	-6.23702	3.903656	3.812706	3.845818	3.766043	3.796595	3.765857	3.976929	4.265167	4.33084	3.864012	3.860515	3.764372	3.778549	3.766081	3.502077	3.906321	3.757829	4.094818
SPOCK1	ENSG00000152377	0.208026	1.536633	0.651393	0.523266	0.584952	-6.11934	7.390938	7.546471	7.508877	7.802471	7.596935	7.732153	8.400167	8.26913	8.355726	0.106501	0.259702	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TADA1	ENSG00000152382	-0.22898	4.578285	-3.26688	0.004414	0.008502	-3.09999	4.855064	4.804995	4.938064	4.626508	4.222966	4.651187	4.544628	4.61746	4.570996	4.660143	4.777766	4.623968	4.580176	4.463697	4.649854	4.67445	4.592839	4.661156
GUCY1A2	ENSG00000152402	0.784043	2.188075	5.897709	1.57E-05	5.86E-05	2.989138	1.861169	1.81559	1.818408	2.840308	2.948483	2.581827	2.186178	1.710758	1.445026	2.620402	2.766797	2.604447	3.091636	3.272884	3.225499	2.731965	2.726388	2.912845
CWF19L2	ENSG00000152404	-0.4481	3.694219	-7.407	8.64E-07	4.83E-06	5.642007	3.530804	3.209365	3.148134	2.766336	2.904251	2.784269	3.296733	3.351955	3.124172	4.656475	4.648439	4.755733	4.245787	4.358622	4.27038	4.598895	4.576385	4.531205
JMY	ENSG00000152409	0.737686	4.254316	6.903721	2.19E-06	1.08E-05	4.599029	4.09565	4.136747	4.109872	4.350907	4.544465	4.407292	3.66196	3.924273	3.879258	4.447347	4.540416	4.132188	5.184566	5.32724	5.354615	3.962207	4.029668	3.930053
HOMER1	ENSG00000152413	0.307233	4.486793	3.63105	0.001988	0.004185	-2.34026	3.454357	3.667203	3.845818	4.209199	4.258538	4.218286	4.045989	4.109604	3.913431	4.920876	4.922503	4.796278	5.111351	5.037822	5.031287	5.511357	5.493948	5.50523
XRCC4	ENSG00000152422	0.024636	3.40551	0.262981	0.79564	0.830144	-7.1953	3.476616	3.128277	3.309643	3.441022	3.093416	3.18484	3.296733	3.491964	2.981126	3.737768	3.554746	3.759253	3.804587	3.793216	3.6725	3.97856	3.923096	4.150354
ZNF547	ENSG00000152433	0.088406	1.326684	0.68644	0.501442	0.563563	-6.47931	1.475543	1.277811	1.706811	1.519216	1.718467	1.367251	1.70672	1.301009	1.826075	1.964162	2.135404	2.243088	2.145912	2.250257	2.18129	2.115663	2.190809	2.003758
ZNF773	ENSG00000152439	0.305403	1.859692	3.502685	0.002635	0.005372	-2.40307	0.587539	1.002471	0.679585	1.182548	1.2379	0.909432	0.548589	0.915275	0.515351	4.192583	4.162112	4.067404	4.386902	4.376675	4.398437	4.189932	4.2788	4.229846
ZNF776	ENSG00000152443	0.347046	4.237445	3.748101	0.001537	0.003315	-2.02826	3.643304	3.483793	3.190238	3.791129	3.616407	3.655458	4.154215	4.256466	4.235006	4.717605	4.699561	4.557708	4.994054	4.976997	5.050237	4.847651	5.003024	4.918728
ZNF256	ENSG00000152454	-0.27338	0.115544	-3.98146	0.00092	0.002107	-1.38567	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.710546	4.712893	4.557708	4.301707	4.376675	4.419411	4.661004	4.751478	4.467038
SUV39H2	ENSG00000152455	-0.82945	4.299546	-8.33254	1.70E-07	1.22E-06	7.301034	4.693417	4.634406	4.504099	4.122913	4.177232	4.271657	4.367093	4.637703	4.640652	4.738576	4.644965	4.679211	3.697489	3.599295	3.637126	4.598895	4.645052	4.483349
DCLRE1C	ENSG00000152457	0.291974	2.171971	2.450128	0.025076	0.040144	-4.17321	2.109269	2.37994	2.138168	2.791417	2.660129	2.719893	2.480375	2.511284	2.165532	2.30136	2.516115	2.396013	2.412911	2.533802	2.465679	2.539649	2.711397	2.687355
RPP38	ENSG00000152464	-0.23966	4.425292	-3.42953	0.003094	0.006186	-2.69168	5.030813	4.99613	4.85325	4.448742	4.580048	4.543715	4.599263	4.722281	4.73921	4.318634	4.269773	4.32118	4.211164	4.250194	4.297823	4.267397	4.333674	4.115895
NMT2	ENSG00000152465	-0.10823	3.735038	-0.57176	0.574764	0.633374	-6.96619	5.125418	5.137514	5.197454	4.576883	4.726954	4.679672	4.8959	5.07384	4.923769	2.527059	2.687979	2.682227	3.251622	3.338827	3.299771	2.639009	2.518186	2.528753
ZNF837	ENSG00000152475	0.374437	0.269786	1.566144	0.13524	0.179828	-5.40587	1.069823	0.316291	0.964748	0.934951	1.006428	0.657796	0.782422	0.387194	0.925731	1.704765	1.752042	1.820066	2.079215	1.846087	2.121111	1.599785	1.513652	1.222783
USP12	ENSG00000152484	-0.36672	5.542882	-3.06828	0.006794	0.012523	-3.63717	6.213149	6.213556	6.200371	5.371747	5.510796	5.428451	6.504093	6.499019	6.39781	5.096306	4.827642	4.996595	5.036421	5.026432	5.060955	5.392313	5.339201	5.271631
CCDC50	ENSG00000152492	-0.22278	5.467045	-3.02946	0.007388	0.013488	-3.73549	6.304638	6.233079	6.160332	5.818626	5.818465	5.741121	5.907184	5.935393	5.892253	5.136363	5.079989	5.137382	5.09878	5.12584	5.178806	4.758922	4.90431	4.815144
CAMK4	ENSG00000152495	-0.25881	1.048132	-0.95057	0.354785	0.419248	-6.14136	1.384302	1.277811	1.406977	1.888135	1.909591	1.757653	0.983587	1.658879	1.777424	2.121457	1.644832	1.969371	1.446877	1.320413	1.17005	2.055273	1.851139	2.14716
TRIM36	ENSG00000152503	0.246908	2.187984	1.150845	0.265298	0.325156	-6.34917	2.461454	2.470453	2.351095	1.519216	1.373859	1.422231	1.816207	2.147141	1.564539	2.777267	2.753956	3.068941	3.587808	3.520297	3.478287	3.053433	3.138674	2.990979
ZFP36L2	ENSG00000152518	-0.50931	5.888032	-7.09402	1.54E-06	7.94E-06	4.743786	5.905908	6.059873	6.009761	5.558653	5.850871	5.513197	5.784566	5.733887	5.800886	6.30194	6.443221	6.537585	5.739109	5.866886	5.850933	5.928183	5.768349	5.78729
PAN3	ENSG00000152520	0.161947	4.449042	3.152532	0.005661	0.010631	-3.35396	4.239263	4.197635	4.1812	4.236852	4.327153	4.537503	4.122591	4.147745	4.252911	4.779626	4.80292	4.714017	4.907798	4.962129	4.860827	4.566809	4.70304	4.7671
PLEKHH2	ENSG00000152527	-1.04536	1.934375	-4.47442	0.000313	0.000812	0.084586	2.629805	2.61635	2.641489	1.978268	2.490996	2.581827	1.588238	1.367163	1.727075	2.955028	3.023743	2.816411	1.973006	1.710321	1.667532	2.539649	2.354144	2.84714
PFKM	ENSG00000152556	0.096237	6.863932	2.963452	0.008516	0.015275	-4.07795	6.903204	6.953285	6.936098	7.049233	7.075362	7.040587	6.974619	7.055228	7.042438	6.715578	6.666063	6.764628	6.842303	6.752581	6.758132	6.798194	6.712283	6.741864
TMEM123	ENSG00000152558	0.569071	8.643869	11.51041	1.38E-09	2.42E-08	11.79196	7.740487	7.792743	7.759578	8.531853	8.500309	8.51272	8.027966	8.194228	8.021599	8.957578	8.977602	8.977085	9.342083	9.425076	9.418066	9.10504	9.190195	9.188129
SPEF2	ENSG00000152582	0.826351	1.862718	4.684578	0.000199	0.000542	0.46163	1.791852	2.332462	2.138168	1.933905	2.155834	2.164723	1.074544	1.001115	1.826075	2.30136	2.355385	2.396013	3.325419	3.292034	3.353069	2.432936	2.601856	2.326628
MBNL1	ENSG00000152601	0.701877	6.706439	5.421992	4.16E-05	0.000138	1.273125	6.229625	6.245949	6.160332	7.478811	7.455626	7.455695	6.742939	6.704901	6.789957	6.510383	6.612829	6.481968	6.740096	6.731693	6.741572	6.647826	6.607881	6.642477
NADK2	ENSG00000152620	-1.35009	4.522879	-12.868	2.39E-10	6.13E-09	13.99194	5.761547	5.694843	5.69823	3.999198	4.231942	4.414089	4.765467	5.136826	4.813478	4.641707	4.655361	4.765977	3.60569	3.688714	3.533199	4.40281	4.343431	4.525965
GPD1L	ENSG00000152642	0.053401	5.236218	0.358771	0.724064	0.769041	-7.61401	4.066597	4.094678	4.208773	5.185634	5.119213	5.055043	4.302704	4.324646	4.189248	6.242008	6.280384	6.227819	5.896296	5.935475	5.889024	5.926779	6.033874	6.107972
GJA1	ENSG00000152661	0.788532	0.579003	3.401697	0.003288	0.006523	-1.82026	5.496078	5.325066	5.3383	6.125209	6.18946	6.242871	7.043788	6.983227	7.086787	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CCNO	ENSG00000152669	0.29526	3.04208	2.409384	0.027255	0.043176	-4.42287	3.836399	3.347134	3.648527	4.052041	4.167908	3.907468	3.178682	3.446787	3.543305	2.894025	2.687979	2.845681	2.968056	2.925848	2.795875	2.819293	2.711397	2.277588
SLC30A6	ENSG00000152683	-0.36327	6.20788	-5.8442	1.75E-05	6.43E-05	2.201328	6.274782	6.132709	6.224209	5.740289	5.4273	5.719334	5.95585	6.100066	5.940005	6.648832	6.610159	6.607605	6.402659	6.430582	6.408658	6.488532	6.505142	6.49609
PELO	ENSG00000152684	-0.46604	6.101213	-10.5677	5.15E-09	7.00E-08	10.66186	6.991837	6.974705	6.989732	6.583952	6.594535	6.443905	6.735989	6.856535	6.794548	5.705643	5.620676	5.682768	5.273015	5.216333	5.100452	5.559256	5.627716	5.50523
SAR1B	ENSG00000152700	0.120274	6.633393	1.860244	0.079764	0.112762	-6.13422	6.629166	6.682141	6.675804	6.905872	6.841756	6.83054	7.109791	7.104543	7.100448	6.420236	6.358808	6.47027	6.452917	6.448828	6.476276	6.426311	6.355279	6.386167
GPR180	ENSG00000152749	-0.03299	4.518057	-0.2452	0.809159	0.841538	-7.43967	4.369865	4.318312	4.320409	5.031013	4.694855	4.946703	4.599263	4.45204	4.436456	4.717605	4.815334	4.660116	4.35554	4.259953	4.284167	4.762075	4.714363	4.749225
DNAI4	ENSG00000152763	1.207237	1.544269	5.956679	1.39E-05	5.30E-05	3.279193	2.109269	2.152784	2.079636	2.605941	2.633282	2.697781	2.303642	2.357042	2.047395	1.158593	1.467416	1.277453	2.579013	2.642244	2.433049	1.177011	1.368306	1.370407
ANKRD22	ENSG00000152766	-0.78849	0.838065	-4.14707	0.00064	0.001522	-0.58154	0.742531	1.226787	1.088647	0.258133	0.25478	0.461789	0.548589	0.915275	0.833554	3.113269	2.889287	2.745712	2.504718	2.269709	2.544166	3.043104	3.356678	3.121769
FARP1	ENSG00000152767	0.681813	4.522389	6.504809	4.71E-06	2.07E-05	3.775588	4.138162	4.15733	4.294909	4.778495	4.681813	4.651187	3.928981	3.90213	3.641718	4.553726	4.580969	4.47583	5.389419	5.188499	5.220033	4.999601	4.914163	5.11644
IFIT5	ENSG00000152778	0.108052	4.834508	0.768299	0.452566	0.516622	-7.23956	4.511345	4.634406	4.55869	5.28169	5.114368	5.155812	4.702691	4.489649	4.66091	4.867929	5.046155	4.934378	4.720818	4.725555	4.752597	5.146741	5.375316	5.284099
SLC16A12	ENSG00000152779	-0.61482	-0.26462	-1.92004	0.071325	0.102119	-4.80042	0.41387	1.002471	0.756332	0.106501	0.512209	0.2349	0.548589	0.387194	0.629397	2.033684	1.827525	1.896649	1.818016	1.622273	1.900186	1.058946	1.581179	1.273688
PANK1	ENSG00000152782	0.845835	3.771034	8.71296	8.99E-08	7.23E-07	8.027925	3.262728	3.704977	3.204003	4.510463	4.091068	4.473866	3.928981	4.030158	4.042563	3.42926	3.654848	3.339716	4.097807	4.062207	4.194539	3.962207	3.974229	3.881648
PRDM8	ENSG00000152784	-0.88755	2.89711	-5.27423	5.66E-05	0.00018	1.642643	2.798329	2.470453	2.681399	1.888135	1.666451	2.098749	3.423261	3.761625	3.4839	3.681119	3.786782	3.905414	3.100071	2.997596	2.930541	3.842237	3.757829	3.753014
BMP3	ENSG00000152785	0.712354	-0.62034	7.770915	4.50E-07	2.77E-06	6.562183	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.868884	3.055486	2.948194	3.617489	3.606961	3.629946	2.924322	3.204393	2.880366
HNRNPDL	ENSG00000152795	0.175237	7.421871	3.027008	0.007427	0.013546	-3.9986	7.213452	7.185623	7.138722	7.467184	7.425624	7.415611	7.435647	7.588129	7.58423	7.452978	7.469059	7.441652	7.51237	7.565724	7.586353	7.329139	7.448218	7.490827
HHEX	ENSG00000152804	0.072886	2.402354	0.317187	0.754859	0.795756	-6.7263	3.349713	3.057038	3.347346	3.688057	3.832443	3.848471	3.719464	3.711575	3.557782	2.100009	2.155072	2.183199	1.667235	1.2438	1.51998	2.013561	1.82352	2.174206
UTRN	ENSG00000152818	0.311999	5.577761	1.845282	0.082009	0.11558	-6.06835	5.307177	5.404699	5.514348	4.839889	4.900234	5.175948	5.440037	5.259465	5.150819	5.791772	6.084032	5.537862	6.562268	6.501194	6.544689	5.559256	5.637662	5.776299
PTPRK	ENSG00000152894	0.745742	5.265424	11.78874	9.52E-10	1.85E-08	12.53538	6.179621	6.260292	6.267462	6.969064	6.85634	6.99144	6.462596	6.212301	6.3632	3.688323	3.964495	3.779618	4.568067	4.497087	4.660464	3.912008	4.11758	3.999746
GGPS1	ENSG00000152904	0.153326	5.673079	3.577258	0.002237	0.00464	-2.61247	6.038999	6.090521	5.970031	6.178467	6.184845	6.233295	5.891633	5.839612	5.794788	5.360348	5.321056	5.408164	5.556562	5.468605	5.473701	5.353134	5.304658	5.184529
CNTNAP4	ENSG00000152910	0.501635	-0.03625	3.372106	0.003508	0.006911	-2.45432	0.106501	0.106501	0.106501	0.258133	0.25478	0.3528	0.269385	0.106501	0.106501	3.403229	3.447177	3.254982	3.599754	3.710228	3.754018	3.383205	3.667508	3.571657
ZNF117	ENSG00000152926	0.29663	3.682989	1.753663	0.097006	0.134233	-5.95796	1.519087	1.631689	1.744977	3.273122	3.278066	3.364021	2.513265	2.753138	3.00245	5.15208	5.285805	4.918395	5.125882	5.060335	5.136365	5.275849	5.258994	5.332922
PART1	ENSG00000152931	0.670064	1.462756	3.354164	0.003648	0.007162	-2.0172	3.878801	3.786518	3.819232	4.562385	4.392653	4.293939	3.941119	3.924273	4.103038	0.415169	0.583785	0.594297	0.787801	0.986036	0.910419	0.326864	0.504542	0.659518
RAB3C	ENSG00000152932	0.97167	-0.68145	4.57028	0.000254	0.000675	0.614916	3.27548	3.347134	3.408073	4.479932	4.231942	4.30129	3.690999	3.578282	3.681923	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MARVELD2	ENSG00000152939	0.182019	3.712984	1.234432	0.233382	0.290184	-6.77418	3.236881	3.39414	3.296854	2.740812	2.429905	2.346268	1.389995	1.85606	1.873138	5.180457	5.193714	5.151125	5.536504	5.5324	5.54032	5.201172	5.140881	5.140638
RAD17	ENSG00000152942	-0.12731	5.106025	-1.99613	0.061742	0.08988	-5.67896	5.506933	5.625131	5.541709	5.312338	5.274966	5.345543	5.555064	5.368459	5.383978	4.839091	4.910981	5.039448	4.821167	5.034983	4.917949	4.704254	4.699246	4.815144
MED21	ENSG00000152944	0.700847	4.750285	9.010548	5.54E-08	4.83E-07	8.326496	3.65311	3.768792	3.668523	4.772209	4.688349	4.824468	4.56045	4.444399	4.542164	5.001167	5.032928	4.878827	5.44345	5.458046	5.475705	5.420516	5.53284	5.417409
PLOD2	ENSG00000152952	0.333674	6.582877	2.172556	0.043836	0.066034	-5.55026	6.471859	6.598061	6.542653	7.49703	7.387976	7.434957	7.635597	7.675576	7.631189	5.90895	6.052918	5.87366	5.562678	5.690495	5.645534	6.403278	6.403878	6.391939
STK32B	ENSG00000152953	-0.32637	-1.33091	-1.12994	0.273771	0.33419	-5.58508	2.965042	3.169391	3.28395	2.740812	2.835252	2.845893	1.70672	2.147141	2.087859	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ADGRA3	ENSG00000152990	0.184854	6.794063	3.675988	0.001801	0.003833	-2.54767	6.796655	6.888074	6.868557	7.029605	7.047672	7.038389	6.928119	6.980588	6.945304	6.696055	6.699096	6.616123	6.818221	6.885389	6.834294	6.572622	6.504055	6.387612
SREK1IP1	ENSG00000153006	0.327439	4.56956	3.928331	0.001034	0.002329	-1.6076	4.500523	4.474101	4.43574	4.97738	4.836932	4.960699	5.444307	5.241941	5.256657	4.19764	4.205202	4.186581	4.31626	4.488812	4.311352	4.438712	4.534411	4.59264
CWC27	ENSG00000153015	-0.26329	4.79132	-4.97438	0.000107	0.000313	0.577672	5.1077	4.925889	4.835673	4.562385	4.745876	4.604407	4.730929	4.734864	4.807433	4.971948	4.96212	5.030978	4.856446	4.736081	4.745971	4.947942	4.90101	4.99276
MR1	ENSG00000153029	0.836662	4.814384	6.13119	9.81E-06	3.90E-05	2.990197	3.530804	4.021717	3.522358	5.245847	5.049849	5.257578	4.6145	4.299455	4.355908	4.98955	5.05665	4.972471	5.440132	5.508039	5.473701	5.452087	5.485161	5.434288
SRP19	ENSG00000153037	0.317909	3.834263	3.605467	0.002103	0.004398	-2.12115	4.044416	4.051346	4.275483	4.555081	4.186495	4.586466	4.758625	4.421231	4.613192	3.312899	3.455132	3.157196	3.5452	3.568213	3.556108	3.574643	3.667508	3.621636
CENPH	ENSG00000153044	-2.16216	3.975204	-17.2295	2.08E-12	1.93E-10	18.64246	5.272612	5.288212	5.27123	3.290819	3.546181	3.655458	4.832157	4.944392	4.732845	4.346223	4.357275	4.60982	2.25569	2.21055	2.34809	4.32821	4.242761	4.223386
CDYL	ENSG00000153046	-0.1616	5.70572	-3.10759	0.00624	0.011609	-3.66883	5.70139	5.750092	5.785507	5.558653	5.72937	5.631655	5.167879	5.136826	5.169792	6.175637	6.077605	6.124133	5.950944	5.933952	5.920261	5.824952	5.812922	5.77188
CARHSP1	ENSG00000153048	0.220054	5.306448	3.436826	0.003045	0.006102	-2.84491	5.557407	5.630049	5.631035	5.768983	6.059364	6.024845	5.736627	5.679597	5.696813	4.871097	4.942447	5.074898	5.073302	5.05754	5.000996	4.790139	4.874338	4.749225
BANK1	ENSG00000153064	0.701476	0.64878	4.620253	0.000228	0.000613	0.160027	0.667115	0.582935	0.598525	0.52061	0.625525	0.461789	0.106501	0.253663	0.106501	3.134522	3.1855	3.164958	3.825085	3.952144	3.843644	3.16242	3.215061	2.912845
TXNDC11	ENSG00000153066	0.798161	5.636548	7.871777	3.77E-07	2.38E-06	6.265943	5.528401	5.39028	5.297149	6.438717	6.4692	6.502484	5.982519	5.913422	5.872122	5.046721	4.997958	4.965822	5.479457	5.581868	5.517157	5.753898	5.672912	5.610463
DAB2	ENSG00000153071	1.034562	2.817832	6.961098	1.97E-06	9.82E-06	5.028576	2.744313	2.448351	2.758051	3.562554	3.457132	3.069023	2.884002	3.285084	2.959482	2.620402	2.674414	2.86487	3.703037	3.826433	3.78667	2.479639	2.568968	2.760563
BCL2L11	ENSG00000153094	-0.39327	5.498833	-8.69045	9.34E-08	7.45E-07	7.65204	5.019487	4.965333	4.908943	4.681208	4.813207	4.803913	4.637058	4.630987	4.674259	6.613318	6.573173	6.603327	6.118076	6.095271	6.158453	6.102439	6.057777	6.191423
ANAPC1	ENSG00000153107	0.225993	5.936536	4.765811	0.000167	0.000465	-0.02956	5.750171	5.916304	5.869964	6.090264	6.161547	6.210048	6.56222	6.409631	6.441402	5.546278	5.638252	5.487683	5.710474	5.637204	5.74193	6.044073	6.044381	6.041596
CAST	ENSG00000153113	0.594048	9.169045	12.38716	4.38E-10	9.71E-09	12.97802	9.048679	9.096208	9.045055	9.829385	9.780816	9.86874	9.253863	9.3006	9.291628	8.796495	8.778405	8.790085	9.197512	9.226624	9.230092	8.786335	8.875377	8.894879
SCOC	ENSG00000153130	-1.04036	6.303353	-24.0114	7.91E-15	4.90E-12	24.2885	6.947703	6.897281	6.856623	5.724097	5.836231	5.830214	6.53044	6.687205	6.650023	6.630249	6.586815	6.675063	5.637019	5.708425	5.663227	6.338238	6.252876	6.364316
CLGN	ENSG00000153132	-1.60039	1.942215	-2.99581	0.007943	0.014372	-2.98622	1.927307	1.849715	2.166567	2.548252	2.633282	2.885561	1.816207	2.324112	1.962896	3.331423	3.086546	3.093551	0.656707	1.2438	1.046067	3.407564	3.256961	3.487904
CETN3	ENSG00000153140	-0.70254	4.26734	-5.99673	1.28E-05	4.94E-05	2.821733	4.803168	4.852052	4.831244	3.674639	3.378481	3.632327	3.941119	4.030158	4.08316	4.772865	4.836805	4.825955	4.441025	4.521632	4.452348	4.319678	4.473517	4.370952
SMARCA5	ENSG00000153147	-0.01916	7.596633	-0.67739	0.507025	0.569075	-7.66181	7.512395	7.524852	7.549879	7.526272	7.466124	7.485043	7.580408	7.611346	7.561961	7.648478	7.652785	7.707189	7.633169	7.704851	7.660899	7.676434	7.66359	7.712273
SYCP2L	ENSG00000153157	0.34287	-1.6986	1.27971	0.217374	0.272372	-5.36679	1.681202	2.068355	1.499186	1.933905	1.817192	2.029614	2.01302	2.184314	2.005764	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
BMP6	ENSG00000153162	-0.30779	1.135118	-0.90945	0.375485	0.440203	-5.90186	5.533718	5.525733	5.452263	5.316663	5.20376	5.265117	6.031589	5.940834	5.9889	0.483018	0.259702	0.288049	0.171976	0.190544	0.106501	0.257084	0.19538	0.106501
RASSF3	ENSG00000153179	-0.63124	6.045503	-11.3181	1.79E-09	2.93E-08	11.72698	6.703003	6.688047	6.631923	5.96359	5.981675	5.820014	6.295396	6.191911	6.09693	6.170502	6.141856	6.215726	5.645688	5.793194	5.58556	5.674151	5.856159	5.778504
HNRNPU	ENSG00000153187	-0.13147	9.158956	-4.32068	0.000438	0.00109	-1.29566	9.28557	9.350116	9.348689	9.275218	9.25953	9.270476	9.372883	9.366267	9.337972	9.061966	9.079221	9.082529	8.872526	8.86475	8.891088	9.120012	9.010113	9.059633
RANBP2	ENSG00000153201	-0.17024	7.741996	-2.65708	0.016324	0.027325	-4.78056	7.910052	7.938606	7.928188	7.92227	7.877058	8.067921	7.701295	7.669853	7.621746	7.887085	7.954787	7.740036	7.485661	7.521279	7.513607	7.589055	7.610036	7.543634
AHCTF1	ENSG00000153207	-0.48477	7.441506	-9.66579	1.97E-08	2.06E-07	9.132585	8.208625	8.267673	8.275263	7.615874	7.554636	7.712988	7.918662	7.881285	7.890488	7.163562	7.189216	7.086636	6.761524	6.875108	6.788275	7.000578	6.894213	7.026979
MERTK	ENSG00000153208	-0.73417	3.699171	-8.15787	2.29E-07	1.57E-06	6.852699	1.791852	2.039077	2.079636	2.021307	2.03796	1.919272	2.376953	1.945386	2.408535	6.358354	6.302599	6.280572	5.516163	5.522299	5.487671	5.492503	5.498321	5.448204
TMEM87B	ENSG00000153214	1.386839	4.972014	15.04904	1.92E-11	9.97E-10	16.47241	3.236881	3.114308	3.296854	5.15214	5.075006	4.983728	4.606901	4.657666	4.626988	5.066207	5.179378	5.074898	6.263154	6.220499	6.261939	5.85183	5.964444	5.958469
PTPRR	ENSG00000153233	-0.54508	0.361744	-2.41883	0.026734	0.042469	-3.89352	1.642349	1.780637	1.853768	0.841981	1.164793	0.909432	0.782422	0.915275	0.925731	1.52331	1.335727	1.158083	1.186687	1.428204	1.390007	1.13872	1.072305	1.222783
NR4A2	ENSG00000153234	1.628227	3.589846	3.872282	0.00117	0.002593	-1.35029	3.300651	3.142112	3.270929	5.355021	5.539998	5.481188	6.357843	6.097632	6.3632	2.589954	2.766797	2.615819	2.385571	2.148862	2.257813	2.719047	2.634012	2.84714
PLA2R1	ENSG00000153246	1.124658	1.886502	3.816628	0.001322	0.002894	-0.99306	5.042051	5.130591	5.064177	6.283849	6.071915	6.221718	6.351036	6.361757	6.338259	0.54782	0.259702	0.16959	0.234608	0.550009	0.651457	0.517985	0.358227	0.315289
RBMS1	ENSG00000153250	-0.01251	6.265039	-0.0722	0.943266	0.953509	-7.7707	6.794442	6.757101	6.807875	5.996317	6.010649	6.000211	6.132946	6.252236	6.181159	5.972292	5.896664	5.923699	6.553081	6.566546	6.569296	6.192812	6.248988	6.268742
SCN3A	ENSG00000153253	0.981491	0.864585	1.393845	0.180835	0.231621	-5.48143	1.18244	1.118985	0.679585	3.325575	3.188693	3.27721	2.144798	2.596487	2.798137	1.388276	1.725977	1.305813	0.46104	0.550009	0.470356	1.354562	1.513652	1.322858
SLC25A27	ENSG00000153291	0.840838	0.74371	4.57094	0.000254	0.000674	0.482515	1.602421	1.883052	1.54317	1.978268	2.193078	1.880533	1.074544	1.15884	0.735084	1.073118	1.369793	1.126631	1.916818	1.766169	2.036756	0.930351	1.16325	1.170016
ADGRF1	ENSG00000153292	0.308999	2.054651	9.494707	2.57E-08	2.56E-07	8.942331	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	8.194322	8.231269	8.270689	8.530906	8.526172	8.560993	8.311449	8.305856	8.375818
ADGRF4	ENSG00000153294	-0.49484	3.510931	-2.96753	0.008441	0.015161	-3.57601	2.762544	2.61635	2.830836	3.392671	3.073582	3.168853	2.933443	2.568641	3.044176	4.455814	4.55159	4.463295	3.719554	3.666873	3.880413	4.908658	4.940116	4.836464
CYRIB	ENSG00000153310	-0.50443	7.373043	-7.58583	6.26E-07	3.67E-06	5.526497	7.184164	7.196438	7.227328	6.424759	6.340256	6.475118	6.900414	6.900479	6.964447	8.013276	7.963528	7.975344	7.666562	7.715529	7.688809	8.096977	8.081213	8.075824
ASAP1	ENSG00000153317	0.027482	6.552431	0.734183	0.472572	0.535981	-7.50969	6.416805	6.422128	6.504227	6.386177	6.41703	6.554168	6.928119	6.980588	6.935637	6.343601	6.375671	6.310622	6.373383	6.343771	6.439786	6.805087	6.787472	6.908163
TRAPPC8	ENSG00000153339	0.340651	5.427632	4.739781	0.000176	0.000488	-0.02145	5.446195	5.480165	5.431935	5.875441	5.891089	6.115212	5.781194	5.836697	5.729151	5.238045	5.181778	5.11752	5.338642	5.301484	5.371934	5.002269	5.072132	5.119922
LINC00467	ENSG00000153363	-0.36718	3.910174	-4.99076	0.000103	0.000304	0.794907	4.239263	4.15733	4.080323	3.740513	3.683372	3.608819	3.866715	4.175703	3.890739	4.161861	4.296585	4.264509	3.840269	4.132949	4.002193	3.923315	4.047684	4.014786
INO80C	ENSG00000153391	-0.36073	3.152878	-4.34332	0.000417	0.001042	-0.41172	3.520128	3.537122	3.65856	3.392671	3.588725	3.419122	3.352323	3.318907	3.289427	3.358771	3.431133	3.501717	2.949505	2.997596	2.906973	3.152846	3.236163	3.035906
LPCAT1	ENSG00000153395	-0.10331	6.962939	-0.6865	0.501404	0.563563	-7.59884	6.727572	6.673831	6.71719	7.032237	7.156561	7.101862	6.725501	6.781193	6.830763	7.050708	7.222223	7.095801	6.6632	6.703363	6.520626	7.581045	7.499297	7.46915
NMRAL1	ENSG00000153406	0.219084	5.652622	4.168383	0.000611	0.001461	-1.34728	5.454629	5.269425	5.429007	5.479843	5.713437	5.581211	5.405414	5.388507	5.359397	5.845924	5.776414	5.850985	6.02701	6.071917	6.0375	5.915499	6.006502	5.671054
UBALD1	ENSG00000153443	0.360311	4.766313	5.272798	5.68E-05	0.00018	1.207471	4.375799	4.435299	4.616447	4.904536	4.987618	4.568299	4.576101	4.55497	4.640652	4.738576	4.836805	4.965822	5.304378	5.133823	5.173877	5.087664	5.036489	4.840691
TMEM251	ENSG00000153485	0.260041	3.596812	2.763924	0.013033	0.022368	-3.96259	3.026682	2.935191	2.94999	3.562554	3.574682	3.349911	3.571163	3.633086	3.614278	4.092963	4.040487	4.067404	4.207266	4.056619	4.232958	4.031767	4.047684	3.976887
ING1	ENSG00000153487	-0.21317	3.343497	-1.77203	0.093822	0.130409	-5.63366	3.43175	3.382531	3.511328	3.753334	3.796595	3.419122	3.617275	3.633086	3.771595	3.512789	3.524821	3.71764	3.108457	3.141796	3.075009	3.516101	3.595851	3.228839
ADPRHL1	ENSG00000153531	0.254898	3.395848	2.49794	0.022728	0.036737	-4.35995	3.792713	3.983805	3.995797	4.031135	3.988879	4.10523	3.507292	3.491964	3.668646	3.058725	2.829342	3.325935	3.429485	3.393046	3.454098	3.298901	3.104657	3.189613
CMTM7	ENSG00000153551	0.003361	5.38471	0.041511	0.967359	0.972892	-7.72812	4.837972	4.538284	4.681852	4.562385	4.614773	4.586466	3.828023	3.809996	3.69508	6.552442	6.485588	6.635107	6.587983	6.589946	6.646931	6.398222	6.360093	6.362847
FBXL2	ENSG00000153558	0.339618	3.437632	1.579635	0.132117	0.176309	-5.97995	4.206344	4.006672	4.050156	3.456785	3.683372	3.485165	3.705302	3.477062	3.655245	3.102524	3.146729	3.077191	4.234338	3.993677	4.046009	3.022222	3.034117	2.975687
UBP1	ENSG00000153560	-0.22828	6.877381	-5.73825	2.17E-05	7.73E-05	1.918308	6.942715	6.941466	6.90904	6.687785	6.635697	6.596615	6.706074	6.823043	6.722489	7.028174	7.046448	7.092753	6.849825	6.876695	6.933131	7.034863	7.063147	7.131584
RMND5A	ENSG00000153561	0.002613	6.019014	0.028127	0.97788	0.981463	-7.74007	6.171116	6.178742	6.095343	5.990913	5.836231	5.928437	6.227647	6.236837	6.181159	6.028718	6.033125	5.995103	6.222205	6.183802	6.202679	5.715389	5.724222	5.804702
RPIA	ENSG00000153574	-0.65647	5.383228	-5.22373	6.30E-05	0.000197	1.00764	5.814934	5.902145	5.86564	4.479932	4.607895	4.662649	5.188389	5.233099	5.121883	5.776643	5.736174	5.780738	5.497128	5.487419	5.591116	5.655626	5.639643	5.523749
PTPRD	ENSG00000153707	1.491326	1.996334	5.796322	1.93E-05	6.96E-05	3.019455	4.12413	4.204245	4.1812	5.790912	5.637789	5.786355	4.974767	4.938965	5.015776	0.609835	0.524532	0.639567	0.610222	0.784432	0.470356	0.789161	0.924142	0.659518
LURAP1L	ENSG00000153714	-0.30048	3.928738	-2.81446	0.011708	0.02031	-3.97292	4.226185	4.15733	4.188143	3.342644	3.362223	3.445903	3.219115	3.431409	3.218306	4.489195	4.517806	4.527922	4.407437	4.480488	4.516048	4.340914	4.263465	4.399883
CNKSR3	ENSG00000153721	-0.80842	4.606137	-3.58651	0.002192	0.004563	-2.38423	5.631194	5.504468	5.347631	3.605613	3.546181	3.786958	4.96291	5.002785	4.956916	4.769473	4.599033	4.742826	4.687622	4.585115	4.719156	4.519164	4.551348	4.562249
GTF2E1	ENSG00000153767	-0.34971	5.070038	-7.7475	4.69E-07	2.87E-06	6.13049	5.717835	5.820613	5.767078	5.424805	5.465853	5.500479	5.523124	5.477302	5.519576	4.983707	4.824575	4.81613	4.527992	4.446707	4.504317	4.630284	4.637141	4.510131
CFDP1	ENSG00000153774	-0.27285	4.722988	-3.16338	0.005529	0.010414	-3.37683	4.901049	5.063109	4.89628	4.510463	4.500575	4.379778	4.437325	4.282412	4.270596	4.968993	4.987026	5.133432	4.978126	4.784213	4.97856	4.879929	5.033479	5.044977
ZDHHC7	ENSG00000153786	0.000593	6.773256	0.015953	0.987453	0.989537	-7.8322	6.561793	6.620472	6.62042	6.694449	6.69207	6.58612	6.673707	6.71922	6.73369	6.988601	6.881357	6.970749	6.928304	6.899505	6.878134	6.957917	6.866568	6.890944
C7orf31	ENSG00000153790	0.891367	-0.38658	4.308639	0.000449	0.001115	0.095431	1.475543	1.631689	1.499186	1.888135	2.299368	1.993763	1.588238	1.301009	1.826075	0.269074	0.259702	0.397516	0.562188	0.550009	0.593579	0.326864	0.358227	0.315289
JAZF1	ENSG00000153814	1.928139	0.81405	6.943231	2.04E-06	1.01E-05	5.166568	1.927307	1.708084	1.499186	3.661095	3.546181	3.523386	3.115825	2.623806	2.440135	0.669294	0.330605	0.683459	1.018891	0.837535	0.812339	0.930351	0.69947	0.734116
CMIP	ENSG00000153815	-0.03293	6.827345	-0.28276	0.780683	0.817653	-7.78076	7.0726	7.198922	7.247408	6.638531	6.675717	6.742819	7.127159	6.917137	7.050138	6.399536	6.447215	6.373102	6.801509	6.74912	6.791496	6.955854	6.985831	6.957648
PID1	ENSG00000153823	-1.27708	3.764811	-9.91484	1.35E-08	1.53E-07	9.975375	4.532747	4.604738	4.616447	3.791129	3.796595	3.523386	3.80164	3.798055	3.913431	4.217694	4.219284	4.431472	2.95881	2.901116	2.870883	4.132632	3.890192	3.823043
TRIP12	ENSG00000153827	0.149418	8.264614	3.552483	0.002363	0.004872	-2.92725	8.391804	8.385037	8.414606	8.498924	8.402339	8.567861	8.533399	8.567915	8.45574	8.024348	8.058948	7.90322	8.188584	8.176732	8.218535	8.020398	7.990209	8.052783
FBXO36	ENSG00000153832	1.725296	1.128058	12.84956	2.45E-10	6.23E-09	13.7082	0.742531	0.8079	0.898566	1.791994	2.193078	1.919272	1.525136	1.430416	1.50602	1.423238	1.588084	1.67541	2.791825	2.729118	2.743612	2.034568	1.795362	1.877799
CEBPG	ENSG00000153879	-0.50639	5.70942	-4.28536	0.000473	0.001165	-1.02687	6.530219	6.45852	6.476139	5.591153	5.627623	5.614052	6.55434	6.60563	6.575503	5.319175	5.283572	5.251133	5.188526	5.154897	5.2032	5.28245	5.225092	5.377239
KCTD15	ENSG00000153885	0.573052	2.508203	3.562093	0.002313	0.004783	-1.66001	5.350006	5.361002	5.238162	5.848808	6.031362	5.877705	5.683433	5.640007	5.754509	0.669294	0.748206	0.726056	0.869014	0.612281	0.707101	1.058946	0.816175	0.805046
ZNF599	ENSG00000153896	-0.25238	1.771559	-1.48297	0.15589	0.203571	-5.8513	2.19231	2.125186	1.818408	0.934951	1.2379	1.250575	1.317361	1.710758	1.314712	2.894025	2.85362	3.018425	3.004458	3.032175	2.942182	2.554269	2.985098	2.724423
MCOLN2	ENSG00000153898	0.878714	2.980533	5.092359	8.31E-05	0.000251	1.282297	2.884092	2.870177	2.982302	4.272916	4.061165	4.323123	3.440463	3.833587	3.406029	2.83033	2.779525	2.485514	2.83289	3.032175	2.883013	2.611312	2.799093	2.760563
DDAH1	ENSG00000153904	-0.67602	6.608033	-3.80372	0.00136	0.002967	-2.24547	7.272689	7.283278	7.320316	6.159327	5.927456	6.020397	6.979041	6.943124	6.883434	6.840465	6.758966	6.786176	6.656782	6.552718	6.668992	6.059528	6.07105	6.048921
SREK1	ENSG00000153914	0.1944	5.721766	2.637914	0.016993	0.028317	-4.60281	5.613726	5.625131	5.620809	6.095309	6.002805	6.140024	5.83747	5.783182	5.800886	5.694953	5.65216	5.660978	5.591381	5.699488	5.625819	5.535505	5.711094	5.809023
CHD1	ENSG00000153922	-0.24005	6.813348	-3.74275	0.001555	0.003351	-2.39815	7.022419	6.956225	6.936098	6.904436	6.920203	7.054792	6.962762	7.011943	7.057797	6.87165	6.963128	6.845337	6.443004	6.43274	6.468246	6.71443	6.597726	6.717939
DGKE	ENSG00000153933	0.079954	4.302394	0.541177	0.595217	0.652379	-7.17463	4.09565	4.230384	4.080323	4.626508	4.745876	4.67402	5.315037	5.348128	5.383978	3.851231	4.166964	4.087963	3.551365	3.583837	3.849837	4.336692	4.40994	4.531205
HS2ST1	ENSG00000153936	1.380938	5.146116	7.741677	4.74E-07	2.89E-06	6.144741	4.461995	4.649014	4.55869	6.573146	6.535948	6.523066	6.045709	6.053109	5.923331	4.355303	4.399113	4.182763	4.888451	4.8854	4.912042	4.894365	4.755137	4.894538
MSI2	ENSG00000153944	0.468263	6.019946	7.264697	1.12E-06	6.06E-06	5.07896	5.788487	5.846194	5.823902	6.159327	6.028789	6.144119	6.462596	6.452163	6.48939	5.540318	5.679581	5.507659	6.166067	6.131604	6.215927	6.06974	6.164826	6.107972
CACNA2D1	ENSG00000153956	1.708336	3.624719	7.252931	1.15E-06	6.18E-06	5.598426	4.073915	4.342481	4.301326	6.229828	6.149755	6.33171	5.409787	5.443204	5.497217	2.121457	2.074736	2.038602	2.439743	2.21055	2.497588	2.539649	2.755911	2.277588

ZUP1	ENSG00000153975	-0.31929	3.638689	-5.08419	8.45E-05	0.000255	1.058595	4.051848	4.080378	4.145977	3.562554	3.759832	3.655458	3.539581	3.646467	3.681923	3.87036	3.860515	3.896118	3.691919	3.629721	3.700188	3.478269	3.68296	3.650813
HS3ST3A1	ENSG00000153976	0.496649	-1.04847	1.387478	0.182734	0.23376	-5.27341	2.27083	1.883052	2.248556	2.740812	2.811499	2.605775	2.696258	2.540248	2.846105	0.190076	0.106501	0.16959	0.106501	0.106501	0.186984	0.106501	0.19538	0.106501
GDPD1	ENSG00000153982	0.243338	1.773349	0.748942	0.463853	0.52752	-6.52498	2.438959	2.232543	2.423483	1.326771	1.307481	1.623325	2.01302	2.420731	2.376228	1.91588	2.135404	2.369387	2.986372	2.985883	3.147195	1.903678	1.82352	1.844513
NUS1	ENSG00000153989	0.011646	6.0857	0.309477	0.760618	0.800938	-7.67022	6.323181	6.282324	6.337827	6.316613	6.360859	6.410303	6.489704	6.627726	6.562999	5.726788	5.672774	5.765503	5.692458	5.681447	5.723497	5.936577	6.03538	6.000631
SEMA3D	ENSG00000153993	1.57097	2.188199	5.184521	6.84E-05	0.000212	1.841895	7.136904	7.082671	7.110678	8.702706	8.581991	8.786943	8.257012	8.226886	8.19658	0.190076	0.106501	0.16959	0.171976	0.26996	0.186984	0.106501	0.2791	0.214669
PPP2R5E	ENSG00000154001	0.45235	5.731047	8.319339	1.74E-07	1.24E-06	7.004913	5.086148	5.044814	4.978671	5.674404	5.671168	5.605169	5.457042	5.575011	5.396113	5.970815	6.017092	5.98965	6.328324	6.364273	6.298627	6.049243	6.078372	6.097414
CABYR	ENSG00000154040	-0.18669	3.294744	-1.59608	0.128393	0.171918	-5.69163	4.969353	5.151261	4.990634	5.031013	4.933626	4.894191	4.96291	5.063901	4.90124	2.30136	2.303453	2.120715	1.935792	1.970168	1.580823	1.992244	2.169028	2.252429
IMPACT	ENSG00000154059	-0.37639	5.549781	-3.30571	0.004056	0.007888	-3.19437	6.134836	6.202044	6.191761	5.346585	5.221894	5.373711	5.444307	5.58894	5.605699	5.552212	5.583055	5.516787	5.498724	5.655804	5.60033	5.319295	5.329416	5.308717
ANKRD29	ENSG00000154065	-0.02058	0.785895	-0.08214	0.935465	0.946968	-6.3224	3.509372	3.58855	3.443319	3.255206	3.709312	3.632327	3.586698	3.550079	3.373665	0.269074	0.330605	0.639567	0.294634	0.345231	0.404558	0.457048	0.572487	0.580851
SDHAF4	ENSG00000154079	0.052472	3.056628	0.597583	0.557782	0.617432	-6.85037	3.623492	3.428416	3.717332	3.472378	3.832443	3.678224	3.632324	3.736817	3.572114	2.930935	2.674414	2.893183	2.940139	2.770668	2.821313	2.731965	2.868308	2.880366
C16orf74	ENSG00000154102	0.054191	0.091172	0.181057	0.858406	0.883146	-6.3155	1.826927	1.708084	1.706811	1.933905	1.612488	1.575618	1.240874	1.082132	1.674905	0.483018	0.524532	0.958181	0.828978	0.837535	0.533283	1.099384	0.504542	0.734116
TBCEL	ENSG00000154114	-0.89005	4.557598	-8.38173	1.56E-07	1.13E-06	7.308295	5.128936	4.973094	5.045184	3.619685	3.734793	3.678224	4.31208	4.644388	4.520155	5.141621	5.19846	5.149169	4.610014	4.653345	4.508238	4.796302	4.721863	4.789136
ANKH	ENSG00000154122	1.253929	1.473432	2.856543	0.010705	0.018752	-2.92083	5.300954	5.37864	5.316288	6.635072	6.566426	6.634942	7.419472	7.251895	7.366126	0.269074	0.185134	0.230035	0.171976	0.190544	0.263213	0.257084	0.106501	0.106501
OTULIN	ENSG00000154124	-0.22678	5.906544	-3.4991	0.002656	0.00541	-2.81402	6.014486	5.946183	5.955863	5.938549	5.910785	5.865358	6.29303	6.343387	6.231692	6.024455	5.919844	5.913369	5.681258	5.59927	5.489655	5.977832	5.833837	5.828306
UBASH3B	ENSG00000154127	-1.65819	4.204354	-6.92755	2.10E-06	1.04E-05	4.904268	6.822954	6.763828	6.737446	4.915985	5.024245	4.707606	5.973684	5.783182	5.877902	2.868884	2.792142	2.93917	2.096181	2.381211	2.276326	3.415594	3.458949	3.31642
ROBO3	ENSG00000154134	-1.55006	0.781826	-3.74406	0.001551	0.003342	-1.11295	4.630287	4.538284	4.739702	2.840308	2.904251	3.168853	3.219115	3.232814	3.340558	0.269074	0.640699	0.230035	0.407676	0.484926	0.263213	0.457048	0.358227	0.659518
TBRG1	ENSG00000154144	0.492254	5.335375	9.154236	4.40E-08	4.01E-07	8.498353	5.246942	5.306756	5.277754	5.59472	5.681033	5.751893	5.360933	5.427787	5.474506	5.101711	5.008809	5.156974	5.568769	5.59927	5.736926	5.072509	5.118327	5.217405
RETREG1	ENSG00000154153	0.91857	0.023816	2.972815	0.008346	0.015013	-2.66388	3.765853	3.714268	3.698006	4.797189	4.614773	4.586466	4.950956	4.802174	5.041756	0.190076	0.106501	0.106501	0.106501	0.106501	0.186984	0.183756	0.19538	0.106501
TOMM70	ENSG00000154174	-0.14379	7.561483	-4.11964	0.00068	0.001607	-1.64515	7.453996	7.505583	7.444378	7.328418	7.349318	7.297432	7.402016	7.441347	7.494896	7.867782	7.799424	7.840386	7.676819	7.687781	7.709817	7.660053	7.628109	7.661809
ABI3BP	ENSG00000154175	-0.27401	1.002004	-0.45346	0.655798	0.706286	-6.24076	4.309146	4.256058	4.242513	3.562554	3.747367	3.510758	4.576101	4.467202	4.322386	0.190076	0.106501	0.230035	0.982856	1.203912	0.707101	0.326864	0.358227	0.409347
ANGPT1	ENSG00000154188	0.518339	0.092332	1.831698	0.084095	0.118228	-5.0617	0.503316	0.499412	0.512639	0.106501	0.25478	0.563119	0.670238	0.509405	0.735084	2.078238	1.851833	1.933468	2.67247	2.784257	2.481722	1.970607	2.054898	1.910335
PITPNC1	ENSG00000154217	-0.31576	4.243838	-2.43607	0.025809	0.041187	-4.46959	5.269428	5.263109	5.372225	4.999073	4.911451	5.072334	6.857834	6.787247	6.941169	2.679436	2.912585	2.911754	2.683738	2.433888	2.497588	3.588914	3.698248	3.725851
CC2D1B	ENSG00000154222	0.493478	5.267283	9.102245	4.78E-08	4.29E-07	8.418492	4.859306	4.921884	4.990634	5.573188	5.543607	5.646163	5.253102	5.327507	5.287386	5.195703	5.167323	5.230939	5.513008	5.54043	5.574382	5.308556	5.297147	5.277879
PRKCA	ENSG00000154229	0.043392	6.385199	0.677775	0.506788	0.568899	-7.53004	6.574748	6.655861	6.616566	6.615894	6.798609	6.882928	6.849809	6.723961	6.70796	6.055429	6.354561	5.98965	6.07914	6.006758	6.108959	6.082404	6.082747	6.076062
LRRK1	ENSG00000154237	0.847787	2.700574	7.066021	1.62E-06	8.29E-06	5.152174	2.245129	2.009193	1.706811	2.393052	1.768674	2.132113	2.226405	2.255906	2.239236	3.186323	3.478738	3.247691	4.334248	4.298341	4.062102	3.934535	3.88352	3.848451
CEP112	ENSG00000154240	0.303247	2.731696	3.171157	0.005436	0.010257	-2.84368	2.780548	2.730641	3.013906	3.06262	3.260629	2.961768	2.858632	3.285084	3.023464	2.679436	2.753956	2.786535	3.013417	2.950162	3.064395	3.022222	3.046116	2.668457
ABCA10	ENSG00000154263	-1.78775	-0.53063	-3.33589	0.003797	0.007432	-1.86813	3.183753	3.085957	3.162305	1.393812	1.164793	1.250575	2.412257	2.511284	2.670735	0.190076	0.259702	0.106501	0.171976	0.26996	0.186984	0.517985	0.2791	0.497646
ABCA5	ENSG00000154265	0.095543	2.768561	0.810484	0.42856	0.49361	-6.5459	4.036946	4.043996	4.011539	4.103016	3.867423	4.018682	4.057185	4.040332	3.990155	1.940223	1.989662	2.104662	2.25569	2.288901	2.382676	1.784732	1.930959	1.703111
C4orf19	ENSG00000154274	-0.84621	0.050378	-4.02813	0.000831	0.00192	-0.8375	0.587539	0.499412	0.598525	0.52061	0.25478	0.106501	0.269385	0.509405	0.106501	2.966925	2.889287	2.93917	2.329284	2.288901	2.312654	2.384669	2.274787	2.549558
UCHL1	ENSG00000154277	-0.0173	6.292388	-0.15042	0.882157	0.903926	-7.21947	10.14176	10.1221	10.14218	10.11013	10.10243	10.03092	10.01024	9.98616	10.01678	2.30136	2.42184	2.766268	2.812503	2.671787	2.76998	3.053433	2.972579	3.065099
MIA3	ENSG00000154305	0.249143	6.196146	5.108788	8.03E-05	0.000244	0.669222	6.343004	6.313225	6.280513	6.786205	6.564651	6.70867	6.479338	6.524609	6.472298	5.831356	5.9083	5.837692	5.99118	5.983386	5.975122	6.013979	5.917862	5.972018
DISP1	ENSG00000154309	0.3928	4.059173	4.026558	0.000833	0.001927	-1.16895	5.163648	5.091908	5.064177	5.626427	5.647884	5.671913	5.418495	5.323347	5.515873	2.918737	2.912585	3.043904	3.031169	2.901116	2.883013	2.924322	3.093137	3.021085
TNIK	ENSG00000154310	0.260586	3.081328	2.279284	0.035457	0.054625	-5.00613	2.320899	2.356396	2.423483	1.840866	1.718467	1.575618	2.226405	1.710758	1.873138	4.61171	4.702905	4.621149	5.062552	5.034983	5.058283	4.302461	4.111883	4.428245
FAM167A	ENSG00000154319	0.353248	1.344019	1.71505	0.10401	0.142677	-5.29541	1.861169	1.420874	1.585853	1.840866	1.864131	2.164723	1.160105	1.605065	1.244857	1.964162	1.8028	1.653508	2.062048	2.06228	1.900186	2.448672	2.429363	2.326628
NEIL2	ENSG00000154328	-0.07781	4.222462	-0.68956	0.499523	0.562106	-7.15786	4.505944	4.791891	4.671981	4.857809	4.745876	4.745826	4.057185	4.138304	3.890739	4.299944	4.186209	4.260892	4.118714	4.127629	3.824901	3.97856	4.216457	4.022248
OBSCN	ENSG00000154358	0.449751	5.65762	3.60466	0.002107	0.004406	-2.55876	5.623734	5.671183	5.965997	5.558653	5.907988	5.899666	5.940817	5.929932	5.869223	5.238045	5.417853	5.137382	6.096106	5.947603	6.056369	5.371825	5.387157	5.356727
LONRF1	ENSG00000154359	0.44349	3.236011	3.255476	0.004525	0.0087	-2.55336	5.173901	5.195056	5.071705	5.640298	5.4273	5.660525	5.228555	5.192623	5.37174	1.787595	1.672391	1.538714	1.99126	2.363215	1.580823	1.599785	1.513652	1.58715
TRIM11	ENSG00000154370	-0.09409	5.449066	-1.48078	0.156467	0.204241	-6.55503	5.754732	5.73191	5.823902	5.428807	5.697326	5.556848	5.63569	5.521547	5.493457	5.367097	5.174568	5.464284	5.372111	5.292003	5.374084	5.444259	5.279468	5.284099
ENAH	ENSG00000154380	-0.01683	7.921506	-0.1273	0.900153	0.918204	-7.89963	8.534567	8.476605	8.49449	8.017683	7.983859	8.031364	8.502507	8.53861	8.523224	7.378108	7.340751	7.320051	7.802951	7.796964	7.809313	7.368449	7.385262	7.399233
CCSAP	ENSG00000154429	-0.78345	3.74895	-4.21961	0.000546	0.001326	-0.69492	5.004246	5.044814	4.913139	4.733909	4.628433	4.531264	4.737903	4.709588	4.578115	3.512789	3.463043	3.38694	2.079215	2.250257	2.257813	3.462853	3.449945	3.254409
ASZ1	ENSG00000154438	-0.1447	-1.38725	-1.0724	0.298124	0.359815	-6.021	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.98771	1.989662	2.213454	1.818016	1.921808	1.900186	1.65509	1.981819	2.003758
SH3RF1	ENSG00000154447	-0.35587	5.69681	-2.61608	0.017786	0.029478	-4.66503	5.454629	5.485601	5.316288	4.640378	4.813207	4.707606	5.722633	5.755661	5.653661	6.391835	6.316858	6.385612	6.212513	6.132932	6.215927	5.968311	5.977034	5.944791
BUB3	ENSG00000154473	-0.82177	6.866185	-21.2912	6.05E-14	1.49E-11	22.23986	7.631254	7.635357	7.560619	6.667608	6.700177	6.729256	7.36082	7.408344	7.359944	6.844501	6.780495	6.866317	6.074867	6.114225	6.142143	6.634128	6.62298	6.701765
C10orf90	ENSG00000154493	0.207927	-1.66602	0.760213	0.45726	0.520979	-5.8748	1.791852	1.631689	1.453818	2.021307	1.768674	1.623325	3.027514	2.825515	2.981126	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
DIPK1A	ENSG00000154511	2.391738	4.146962	15.54734	1.13E-11	6.88E-10	17.0491	3.17016	3.505362	3.384088	6.05704	6.066908	6.018168	4.845133	4.933517	4.819498	2.574485	3.023743	2.735323	4.437701	4.476309	4.539229	3.848182	4.145732	3.976887
ATP5MC3	ENSG00000154518	-0.42638	7.767038	-8.47918	1.33E-07	9.94E-07	7.133445	8.517224	8.533152	8.474753	7.937096	8.008878	7.961161	8.400167	8.403272	8.352097	7.47293	7.365233	7.471299	7.108943	7.118474	7.16441	7.230748	7.168441	7.250716
CNTNAP3E	ENSG00000154529	0.608949	1.309899	3.319615	0.003934	0.007671	-2.16717	1.990546	2.403106	2.138168	2.457149	2.333126	2.455733	2.303642	2.184314	2.798137	1.028404	1.152172	1.248523	1.644349	1.846087	1.801384	1.177011	1.206659	1.322858
PDLIM3	ENSG00000154553	1.25851	0.924542	5.796372	1.93E-05	6.96E-05	3.03299	1.927307	2.283367	2.018628	3.041869	2.737798	2.885561	2.480375	2.702788	2.616448	0.483018	0.524532	0.76743	1.498836	1.320413	1.390007	0.686723	0.924142	0.659518
SORBS2	ENSG00000154556	0.808704	0.862537	3.093305	0.006436	0.011937	-2.45182	6.717094	6.734449	6.755086	7.607072	7.540256	7.532667	6.01446	6.022646	5.942765	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ELOC	ENSG00000154582	-0.3209	6.936214	-8.68822	9.37E-08	7.47E-07	7.530653	6.868906	6.976637	6.847881	6.48365	6.510356	6.515184	6.631265	6.703301	6.722489	7.394168	7.300475	7.276381	7.021171	7.073529	7.098964	7.236425	7.20636	7.207186
LY96	ENSG00000154589	0.021198	1.330401	0.14621	0.885429	0.906234	-6.86294	1.12723	0.875715	1.256574	1.022291	1.087782	1.123626	1.648695	1.15884	0.833554	3.036317	2.618839	2.826234	2.930712	2.700737	2.858649	2.583072	2.315011	2.668457
TMSB4Y	ENSG00000154620	0.416534	1.26998	3.13785	0.005844	0.010939	-2.74675	1.561356	1.061904	1.088647	1.182548	1.498102	1.714252	1.160105	1.001115	0.925731	2.243849	2.212518	2.328504	2.626498	2.517623	2.675503	2.334732	2.552239	2.570068
CXADR	ENSG00000154639	0.757146	4.894062	4.215546	0.000551	0.001337	-1.03159	4.484137	4.569336	4.43574	5.062262	4.944587	5.046319	6.025902	6.073067	5.934468	4.237473	4.394983	4.059098	5.056064	5.107039	5.146464	4.730238	4.897703	4.844905
BTG3	ENSG00000154640	-0.02918	5.238142	-0.41832	0.680809	0.729134	-7.45558	5.808367	5.814146	5.707924	6.012406	5.842105	5.923682	6.020192	6.082943	5.931692	4.685565	4.616873	4.791271	4.512278	4.492955	4.385705	4.838721	4.829917	4.7671
C21orf91	ENSG00000154642	-0.074	4.341558	-0.86606	0.398191	0.463428	-7.12032	3.85351	4.073175	4.003689	3.714523	3.656958	3.377995	3.814892	3.90213	3.979442	5.032639	4.973242	5.189682	5.107173	5.180814	5.084783	4.755763	4.984438	4.878182
NCAM2	ENSG00000154654	1.090014	0.521658	6.119731	1.00E-05	3.98E-05	3.658526	1.602421	1.81559	1.585853	2.577385	2.078331	2.374422	1.867984	2.147141	2.127218	0.483018	0.640699	0.594297	1.218025	1.120667	1.046067	0.884806	0.759002	0.659518
PDE1C	ENSG00000154678	0.996734	2.753209	2.809192	0.01184	0.020511	-3.06404	6.950688	6.994859	6.941244	8.017018	7.897651	8.026382	7.660585	7.722926	7.759629	0.34397	0.524532	0.397516	0.610222	0.416769	0.263213	0.457048	0.572487	0.106501
RABGEF1	ENSG00000154710	0.463708	1.555125	2.759545	0.013155	0.022545	-3.37543	2.296082	2.693541	1.921989	2.955742	2.835252	2.346268	2.102195	2.357042	2.408535	1.352446	1.55885	1.60868	1.858352	1.738515	1.801384	1.482378	1.613793	1.416439
MRPL39	ENSG00000154719	-0.82189	4.694243	-14.8694	2.34E-11	1.14E-09	16.31519	5.533718	5.538865	5.50047	4.59836	4.551652	4.586466	5.032629	5.013152	4.962367	4.73162	4.777766	4.864598	4.135224	4.190213	4.114488	4.489042	4.446612	4.494122
ATP5PF	ENSG00000154723	0.0815	6.402386	1.91719	0.071708	0.102596	-6.01373	6.710065	6.695103	6.667134	6.830739	6.92159	6.822898	6.602897	6.71922	6.730498	6.137986	6.026466	6.179784	6.068434	6.15271	6.123092	6.051821	6.098677	6.028687
GABPA	ENSG00000154727	-0.38	4.852914	-5.32033	5.14E-05	0.000165	1.335635	5.517707	5.533626	5.426074	4.904536	4.871804	4.937296	5.109925	5.21525	5.165072	4.7455	4.833757	4.773612	4.531115	4.729072	4.588211	4.485232	4.40994	4.515429
ADAMTS1	ENSG00000154734	-1.28875	3.224649	-4.86371	0.000135	0.000386	0.910024	5.554794	5.504468	5.589687	3.977507	3.901574	4.027574	5.922569	5.842522	5.900795	1.704765	1.616737	1.67541	2.079215	1.681564	1.801384	2.055273	2.078458	2.06284
TSEN2	ENSG00000154743	-0.25982	4.114474	-4.13443	0.000658	0.001561	-1.13506	4.239263	4.243278	4.019345	4.020568	3.844198	4.186878	3.976929	3.879643	4.132351	4.573314	4.566354	4.482057	4.234338	4.284065	4.174939	4.180538	4.242761	4.299055
SLFN13	ENSG00000154760	-1.07877	3.046063	-14.8417	2.41E-11	1.16E-09	16.27293	1.927307	1.708084	1.921989	1.022291	1.307481	1.310092	1.160105	1.231675	1.01237	5.927333	5.922715	5.893651	4.795429	4.925808	4.866948	5.546516	5.649508	5.733755
WNT7A	ENSG00000154764	0.428093	-0.99402	1.617127	0.123756	0.166571	-5.30626	0.106501	0.316291	0.106501	0.258133	0.25478	0.106501	0.106501	0.106501	0.256032	1.616888	1.498542	1.585733	1.935792	1.871771	1.667532	2.464239	2.37332	2.610232
XPC	ENSG00000154767	0.013527	6.075294	0.234988	0.816949	0.848351	-7.71851	6.676807	6.651031	6.606236	6.512219	6.537759	6.51202	5.93476	5.940834	5.986227	5.824834	5.876072	5.905282	5.968325	6.074684	6.010109	5.548343	5.615689	5.582975
CCDC174	ENSG00000154781	-0.17398	4.44341	-1.36523	0.189497	0.241392	-6.53394	4.798758	4.826575	4.85325	4.161901	3.923901	4.233737	4.462805	4.55497	4.388669	4.660143	4.411431	4.569452	4.82626	4.729072	4.635585	4.222335	4.49118	4.45606
FLCN	ENSG00000154803	0.356519	4.370609	4.110452	0.000693	0.001636	-1.21746	4.145127	4.299916	4.249168	4.472198	4.580048	4.627987	4.637058	4.583078	4.7071	4.382206	4.292151	4.32811	4.63635	4.608219	4.759194	4.262954	4.106163	4.274271
DPH3	ENSG00000154813	0.39299	5.206199	9.219998	3.96E-08	3.66E-07	8.616634	4.929567	4.877086	4.887776	5.367584	5.208315	5.294884	5.178171	5.178875	5.197793	5.22572	5.123069	5.238315	5.567248	5.568187	5.576251	5.414519	5.322033	5.280993
OXNAD1	ENSG00000154814	-0.37554	3.753211	-4.75414	0.000171	0.000476	0.313798	3.719942	3.704977	3.597291	3.376187	3.457132	3.711713	3.774765	3.90213	3.867685	4.285766	4.195737	4.300188	3.741287	3.940055	3.734067	4.142342	3.967936	4.087723
PLCL2	ENSG00000154822	-0.04601	0.7875	-0.20057	0.843353	0.870237	-6.49558	1.602421	1.465573	1.818408	1.74141	2.03796	1.840725	1.389995	1.231675	1.244857	1.423238	1.190799	1.46518	1.154653	1.16289	1.129895	1.354562	1.581179	1.81044
CXXC1	ENSG00000154832	0.081998	5.472654	1.076441	0.296365	0.357935	-7.0773	5.237197	5.091908	5.325763	4.955356	5.253089	5.085168	5.444307	5.469794	5.526952	5.737245	5.58849	5.648575	5.909553	5.893775	5.766693	5.705599	5.766537	5.710849
SKA1	ENSG00000154839	-2.23251	2.625687	-7.76678	4.53E-07	2.78E-06	6.624642	4.226185	3.968357	3.955676	2.840308	2.811499	2.865864	3.953155	4.080322	3.957772	3.312899	3.106888	3.432666	0.787801	0.938214	0.812339	2.807136	2.881762	2.742606
PPP4R1	ENSG00000154845	0.262418	6.974909	2.758001	0.013198	0.022604	-4.5337	6.500655	6.544374	6.361052	6.290462	6.296007	6.335295	6.434968	6.472967	6.550385	7.379222	7.342897	7.340757	7.897623	7.917085	7.885528	7.41925	7.427727	7.381937
CCDC144B	ENSG00000154874	0.099739	-0.83457	0.463091	0.649013	0.700454	-6.63849	0.106501	0.316291	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	2.510897	2.727926	2.104662	2.579013	2.565626	2.559363	2.075685	2.568968	2.442395
MPPE1	ENSG00000154889	0.653334	4.769059	11.47654	1.45E-09	2.51E-08	12.0872	4.516725	4.691972	4.520694	5.176143	5.342823	5.394483	4.80585	4.77806	4.813478	4.529864	4.602618	4.63239	5.146388	5.136474	5.138897	4.566809	4.455636	4.582581
USP43	ENSG00000154914	0.139114	3.889978	1.10609	0.28368	0.344719	-6.84039	3.633432	3.628412	4.042515	3.408969	3.588725	3.200652	2.637802	2.777669	2.748518	4.600298	4.51019	4.660116	4.96664	4.90419	4.832959	4.758922	4.613145	4.551975
RAB6B	ENSG00000154917	1.757911	2.223671	17.69525	1.34E-12	1.42E-10	18.81516	1.519087	1.226787	1.202741	2.48816	2.71237	2.429135	2.102195	2.255906	2.127218	2.224158	2.546219	2.30059	3.879997	3.987816	3.805912	3.16242	3.069818	3.149291
EME1	ENSG00000154920	-1.97232	2.936452	-8.98413	5.78E-08	5.01E-07	8.62723	3.443098	3.57841	3.576275	2.548252	2.57804	2.697781	3.66196	3.749274	3.421943	3.666603	3.805572	3.829308	1.498836	1.846087	1.51998	3.678389	3.786722	4.044405
ACSS1	ENSG00000154930	0.703465	2.383708	4.413574	0.000357	0.000912	-0.30979	2.137484	1.978677	2.049454	1.634586	2.264801	1.799787	2.144798	1.549165	1.50602	3.496465	3.584062	3.393562	4.43437	4.279275	4.288734	2.611312	2.618024	2.84714
ANKRD40	ENSG00000154945	-0.23683	6.124698	-3.954	0.000977	0.002221	-1.84175	6.365544	6.446027	6.406409	6.327371	6.317247	6.473492	6.570057	6.499019	6.566582	6.032969	5.992705	6.017783	5.536504	5.597346	5.64197	5.958727	5.926002	5.962353
ZNF18	ENSG00000154957	0.269451	2.914046	1.865699	0.078959	0.111746	-5.32265	3.691678	3.61855	3.618004	3.647423	3.531716	3.572823	3.774765	3.82184	3.668646	2.427256	2.437987	2.382761	2.977243	3.032175	2.95373	2.432936	2.447571	2.091498
VOPP1	ENSG00000154978	0.440578	4.975604	6.582539	4.05E-06	1.82E-05	3.846021	3.85351	3.928996	3.792147	4.591236	4.70778	4.662649	4.462805	4.482206	4.288067	5.510146	5.579421	5.577658	5.833186	5.832965	5.84164	5.865084	5.886506	5.832557
APOOL	ENSG00000155008	-0.52675	5.788956	-7.12137	1.46E-06	7.59E-06	4.85394	6.679208	6.637665	6.691769	5.977316	5.949389	6.04688	6.44139	6.35566	6.361138	5.489676	5.672774	5.506132	5.140267	5.173088	5.31263	5.054624	5.146465	5.088278
CYP2U1	ENSG00000155016	1.318368	2.43456	6.527927	4.50E-06	1.99E-05	4.246039	1.561356	1.551021	1.78216	3.727576	3.560502	3.560621	2.376953	2.220554	2.309357	2.722179	2.687979	2.714318	3.221013	3.41941	3.412858	2.625227	2.696248	2.79582
FBXL18	ENSG00000155034	-0.0518	4.959271	-0.71054	0.486744	0.549799	-7.30189	4.863535	4.813666	4.786199	4.472198	4.883243	4.537503	5.120637	5.028565	4.973208	5.157281	4.989766	5.039448	5.092452	4.968095	5.231938	5.562876	5.334317	5.274758
PROM2	ENSG00000155066	1.054655	2.347735	15.28421	1.49E-11	8.43E-10	16.65063	0.106501	0.106501	0.219246	0.258133	0.106501	0.2349	0.269385	0.106501	0.256032	7.619094	7.659686	7.606048	8.722514	8.643346	8.674828	7.871835	7.976167	7.896109
AK9	ENSG00000155085	0.9113	1.476934	3.699551	0.00171	0.003652	-1.39561	1.990546	2.206444	1.921989	3.487804	3.260629	3.18484	2.607661	2.451551	2.530983	1.616888	1.467416	1.49011	1.365252	1.652223	1.423614	0.974502	1.16325	1.222783
KLF10	ENSG00000155090	-0.68092	7.456622	-4.69838	0.000193	0.000528	-0.34936	8.207793	8.139909	8.136793	6.888543	6.944977	6.82545	7.740018	7.7855	7.8299	7.358485	7.358356	7.473644	7.293104	7.221953	7.285875	7.365344	7.24851	7.273562
PTPRN2	ENSG00000155093	1.70269	-0.36313	4.263922	0.000495	0.001216	-0.01538	3.183753	2.784561	3.309643	4.733909	5.044764	4.839695	4.31208	4.138304	4.122646	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
AZIN1	ENSG00000155096	-0.05126	8.542842	-0.97633	0.342224	0.406327	-7.47087	8.602561	8.552707	8.541669	8.32304	8.328946	8.309903	8.7294	8.814942	8.694319	8.423935	8.40226	8.422886	8.539653	8.529453	8.550098	8.687216	8.659267	8.731223
ATP6V1C1	ENSG00000155097	0.161636	7.014923	2.221643	0.039778	0.060536	-5.54679	7.180778	7.148408	7.093216	7.377898	7.231195	7.409671	7.436719	7.432684	7.455816	6.750411	6.795455	6.77354	6.869695	6.935726	6.869015	6.565423	6.512728	6.642477
PIP4P2	ENSG00000155099	0.042854	3.907493	0.405902	0.68974	0.737591	-7.17823	4.138162	4.197635	4.087767	4.502891	4.43213	4.440963	4.6145	4.341199	4.396744	3.926269	3.654848	3.613714	3.416036	3.629721	3.470269	3.894879	3.537548	3.840032
OTUD6B	ENSG00000155100	-0.42617	5.68152	-9.54543	2.37E-08	2.40E-07	9.08153	5.641082	5.690142	5.727119	5.185634	5.099733	5.203674	5.527156	5.539589	5.54523	6.145857	6.123254	5.986368	5.702186	5.710205	5.787815	6.01794	6.032367	6.132312
CDK19	ENSG00000155111	0.326967	3.065904	3.567447	0.002286	0.004731	-2.15962	3.19722	2.886707	2.966237	3.123142	3.295295	3.419122	2.724622	2.728183	2.560038	3.155466	3.532361	3.419749	3.680716	3.652127	3.727354	3.39137	3.297679	3.540816
GTF3C6	ENSG00000155115	-0.27588	5.775844	-4.83975	0.000142	0.000403	0.12228	5.876913	5.987002	5.891391	5.815573	5.687572	5.677574	5.683433	5.7022	5.605699	6.027299	5.902494	6.009185	5.498724	5.774593	5.706532	5.829467	5.903094	5.874386
TTC39B	ENSG00000155158	0.041756	2.345875	0.425229	0.675859	0.724924	-7.03926	1.755904	2.125186	1.54317	1.933905	1.718467	1.757653	1.240874	1.988058	1.826075	3.552807	3.591299	3.652879	3.730461	3.710228	3.494191	3.538334	3.422593	3.601852
AGPAT5	ENSG00000155189	-0.0503	5.744233	-0.85264	0.405393	0.470541	-7.30071	5.857962	5.837717	5.83279	5.913065	5.899563	5.817452	6.048517	5.978357	6.079477	5.462622	5.593905	5.503074	5.425104	5.423729	5.371934	5.942147	5.906389	6.006286
MMS19	ENSG00000155229	0.055038	5.770914	0.755818	0.459825	0.523398	-7.41767	6.018285	6.083368	6.013674	5.7563	5.930216	5.842864	5.59402	5.581992	5.515873	5.774953	5.723056	5.63746	5.994577	5.914003	5.980777	5.60386	5.625718	5.776299
PI4K2A	ENSG00000155252	-0.21469	4.406645	-3.22279	0.004859	0.009269	-3.13829	4.909255	4.765319	4.917323	4.733909	4.819175	4.696497	4.445869	4.519046	4.585199	4.271447	4.463628	4.460144	4.046359	4.195307	4.155068	4.302461	4.200441	4.094818
MARVELD1	ENSG00000155254	0.87093	5.074582	11.7416	1.01E-09	1.93E-08	12.44741	5.067938	5.059469	4.795321	5.833796	5.785315	5.885062	5.494585	5.469794	5.493457	4.172174	4.292151	4.278887	5.123815	5.046305	5.068941	5.182472	5.138081	4.99276
ZFYVE27	ENSG00000155256	-0.25269	5.529315	-2.43885	0.025662	0.040999	-4.88968	6.534203	6.423545	6.537226	6.025677	6.23258	5.984314	6.655407	6.607341	6.552194	4.835851	4.752166	4.892917	4.798023	4.843827	4.778803	4.62683	4.555551	4.572451
GOLGA7B	ENSG00000155265	-0.20534	2.314315	-1.35745	0.19191	0.243942	-6.38339	2.296082	1.883052	2.138168	1.688986	1.666451	1.757653	0.782422	0.509405	0.833554	4.13047	4.157244	4.087963	3.956313	3.999514	3.985412	3.962207	3.870083	3.969186
TRMT44	ENSG00000155275	0.003631	3.873631	0.052884	0.958424	0.965679	-7.35719	3.928091	3.846899	3.678418	3.863871	3.722109	3.523386	3.705302	3.84524	3.513908	4.087524	4.200477	4.268117	4.187612	4.259953	4.346819	4.171084	4.211138	4.163911
SLC25A28	ENSG00000155287	-0.18381	3.826363	-1.38583	0.183227	0.234327	-6.26492	4.206344	4.318312	4.268949	4.367681	4.43213	4.499659	4.411387	4.38177	4.261781	3.792275	3.486521	3.549937	3.066031	3.04352	3.206318	3.711377	3.955266	3.865145
HSPA13	ENSG00000155304	0.069687	5.444468	1.227436	0.235935	0.292898	-6.86859	5.493352	5.337144	5.405371	5.697807	5.550798	5.671913	5.701383	5.78015	5.869223	5.283944	5.312323	5.267448	5.19838	5.206274	5.260115	5.436388	5.537098	5.607985
USP25	ENSG00000155313	0.607419	5.305845	11.43905	1.52E-09	2.61E-08	11.96368	4.941618	4.95753	4.95851	5.830775	5.593209	5.724812	5.218618	5.201716	5.179186	5.22572	5.247382	5.193482	5.648566	5.72965	5.687638	5.262556	5.334317	5.252725
GRAMD2B	ENSG00000155324	1.141962	1.328988	13.72933	8.50E-11	2.92E-09	15.0497	0.216396	0.410755	0.219246	0.395333	0.828511	0.830331	0.415731	0.253663	0.256032	4.318634	4.200477	4.159641	5.300723	5.243641	5.323798	4.203908	4.348284	4.311289
ZCCHC10	ENSG00000155329	-0.43043	4.942389	-7.60477	6.05E-07	3.56E-06	5.859708	5.078891	4.949684	5.101429	4.59836	4.720591	4.702062	5.071794	5.150979	5.165072	5.316853	5.196089	5.252955	4.739835	4.859959	4.801349	5.075046	5.012228	5.037632
C16orf87	ENSG00000155330	0.175765	3.672777	1.823	0.085455	0.119927	-5.60933	3.682132	3.557914	3.707702	4.072648	3.901574	3.897801	4.122591	4.489649	4.313883	3.358771	3.547323	3.573456	3.339736	3.622174	3.68641	3.698273	3.822043	3.788453
MOV10	ENSG00000155363	1.960618	5.848858	17.27962	1.99E-12	1.87E-10	18.74826	4.232739	3.96057	4.215584	6.582157	6.515879	6.56184	6.124988	6.207795	6.202046	5.272006	5.186564	5.164737	6.834742	6.751716	6.835075	6.389076	6.43044	6.401984
RHOC	ENSG00000155366	-0.26769	6.906169	-3.30103	0.004097	0.007961	-3.37834	7.165445	7.146693	7.145871	6.764203	6.869341	6.795829	6.577851	6.531837	6.544946	7.020346	7.068655	7.073809	6.894152	6.831598	6.858302	7.111625	7.086574	7.049063
DBI	ENSG00000155368	0.172748	6.324826	3.022112	0.007506	0.013676	-3.86299	6.708891	6.733307	6.691769	6.989528	6.985345	6.951114	7.098998	7.145174	7.118871	5.730282	5.71148	5.744936	5.833186	5.722609	5.813395	5.726727	5.755617	5.749576
SLC16A1	ENSG00000155380	-0.0014	3.598814	-0.00504	0.996034	0.996594	-6.74578	6.685193	6.744686	6.700292	6.790876	6.896408	6.838142	7.033905	7.068959	7.051418	1.490718	1.498542	1.562415	0.5125	0.7293	0.707101	1.627702	1.67689	1.775544
HEATR3	ENSG00000155393	0.276571	5.267618	4.726487	0.000182	0.000501	0.02698	5.883176	5.783578	5.792357	6.082665	5.986987	6.072885	6.207692	6.140822	6.204348	4.472601	4.374156	4.515833	4.790225	4.78759	4.72927	4.545014	4.596923	4.632189
NIFK	ENSG00000155438	-0.20123	6.971469	-5.69562	2.36E-05	8.33E-05	1.817865	6.841296	6.841137	6.816862	6.517865	6.515879	6.552629	6.794021	6.824516	6.808235	7.293836	7.233252	7.283975	7.148111	7.140433	7.163167	7.333913	7.249808	7.344478
OXA1L	ENSG00000155463	0.10198	7.129767	1.821978	0.085616	0.120141	-6.26135	7.107787	7.1058	7.120691	7.150845	7.092711	7.072087	7.148252	7.053973	7.176292	7.162915	7.173029	7.173847	7.351233	7.353107	7.38036	7.00391	6.983493	6.917196
SLC7A7	ENSG00000155465	1.032622	0.796685	3.274441	0.004342	0.008385	-2.25412	1.286899	1.226787	1.146821	2.661411	2.57804	2.374422	0.782422	0.915275	1.244857	1.616888	0.986408	1.277453	1.420179	1.591687	1.610309	1.419885	1.67689	1.504318
LARP1	ENSG00000155506	-0.42895	9.204171	-15.4849	1.21E-11	7.11E-10	16.71081	9.670569	9.694011	9.719121	9.202869	9.231835	9.250201	9.674715	9.66371	9.643654	9.055712	9.041081	8.999233	8.675138	8.588976	8.654627	8.999654	8.951313	9.005838
CNOT8	ENSG00000155508	-0.07019	6.342505	-1.48459	0.155464	0.203163	-6.70157	6.155679	6.239528	6.108212	6.286057	6.207773	6.16038	5.904087	6.100066	5.912107	6.670819	6.774149	6.715924	6.557682	6.604381	6.53895	6.473226	6.501879	6.588208
SETD9	ENSG00000155542	0.459266	2.590774	3.862017	0.001196	0.002646	-1.39776	2.568952	2.730641	2.579475	2.548252	2.520598	2.402038	2.696258	2.389238	2.408535	2.843296	2.817048	2.786535	3.475595	3.375198	3.571181	3.001034	3.104657	3.050576
MIER3	ENSG00000155545	-0.37825	5.562805	-6.84345	2.46E-06	1.19E-05	4.336198	6.016387	5.987002	6.031155	5.576799	5.550798	5.722075	5.95585	5.986272	6.0206	5.56205	5.590297	5.39172	5.09878	5.18338	5.191054	5.253625	5.225092	5.365554
NUP205	ENSG00000155561	-0.77613	7.146827	-15.1028	1.82E-11	9.62E-10	16.38625	7.385066	7.489439	7.416567	6.797081	6.81811	6.881703	7.346063	7.297141	7.275972	7.493124	7.536221	7.431633	6.575183	6.58316	6.54755	7.360152	7.309512	7.293742
ZKSCAN2	ENSG00000155592	-0.48506	4.051492	-4.56862	0.000255	0.000677	-0.06713	4.863535	5.05216	4.73022	4.142539	4.1009	4.372816	4.877071	4.877874	4.855099	3.637124	3.824119	3.853525	3.475595	3.666873	3.533199	3.623987	3.546022	3.591857
C9orf85	ENSG00000155621	0.284293	3.740897	3.149134	0.005703	0.010699	-3.18024	3.810347	3.920993	3.726899	4.041626	3.656958	4.000731	3.490873	3.84524	3.614278	3.772076	3.748453	3.85832	4.163669	4.11155	4.25179	4.026533	3.571152	3.679412
PIK3AP1	ENSG00000155629	1.249519	1.577138	15.96858	7.30E-12	5.05E-10	17.47968	0.41387	0.582935	0.512639	1.256461	1.437317	1.123626	0.415731	0.387194	0.515351	3.688323	3.767745	3.733386	4.82626	4.879081	4.897167	3.516101	3.750515	3.707454
RBM45	ENSG00000155636	0.257447	3.983833	3.842075	0.00125	0.002751	-1.72204	4.145127	4.190995	4.095173	4.190466	4.258538	4.186878	4.154215	3.967564	4.151567	3.798946	4.01918	3.886761	4.298046	4.255082	4.242405	3.793775	3.84969	3.881648
NA	ENSG00000155640	-0.35376	2.485978	-2.23019	0.039108	0.059618	-4.65919	2.815895	2.693541	2.514675	2.605941	2.85862	2.885561	2.576877	2.894433	2.869505	3.047564	3.204502	2.983737	2.649667	2.127698	2.661487	2.448672	2.552239	2.830235
TTN	ENSG00000155657	-1.62302	0.618649	-4.0524	0.000787	0.001832	-0.46482	4.206344	4.55906	4.946277	2.791417	2.605925	3.485165	3.647218	3.564249	4.011347	0.269074	0.695454	0.449284	0.294634	0.26996	0.263213	0.183756	0.358227	0.214669
PDIA4	ENSG00000155660	0.40636	8.662448	9.390202	3.03E-08	2.91E-07	8.607807	8.638172	8.656664	8.666541	9.201992	9.086627	9.123477	9.048669	9.021945	9.069378	8.108316	8.077749	8.111859	8.42032	8.442411	8.428117	8.616487	8.638118	8.635642
KDM8	ENSG00000155666	0.151719	1.700333	1.112799	0.280866	0.341679	-6.06475	2.19231	2.55562	2.351095	2.577385	2.660129	2.532704	2.186178	2.650616	2.501332	1.732907	1.55885	2.038602	1.689764	1.793303	1.923865	1.734264	1.67689	1.739782
KCTD18	ENSG00000155729	-0.127	4.371309	-1.58013	0.132005	0.176183	-6.14921	5.139438	5.281977	5.1197	4.88719	4.86605	4.884435	4.883375	4.971227	4.994649	3.901688	3.947677	3.982106	3.879997	4.116929	4.124741	3.775173	3.68296	3.621636
FAM126B	ENSG00000155744	-0.43111	5.134821	-6.85138	2.42E-06	1.17E-05	4.384225	5.067938	5.026283	5.049003	4.63346	4.635214	4.57438	5.136557	5.112925	5.165072	5.684183	5.691415	5.576204	5.127945	5.238714	5.328241	5.444259	5.344069	5.362617
TMEM237	ENSG00000155755	-0.39879	4.732331	-7.42741	8.33E-07	4.69E-06	5.583074	5.042051	5.059469	5.148462	4.88719	4.789085	4.834637	4.944941	5.088621	5.03142	4.845549	4.765022	4.852633	4.34138	4.298341	4.333621	4.637167	4.714363	4.577525
FZD7	ENSG00000155760	0.177111	4.393836	1.118776	0.278377	0.339008	-6.79817	3.819083	4.029182	4.124423	4.733909	4.998178	4.793524	4.7858	4.55497	4.592248	4.561593	4.570022	4.679211	4.334248	4.164465	4.359898	4.522885	4.442079	4.299055

SPAG17	ENSG00000155761	1.161092	-1.29077	5.362846	4.71E-05	0.000153	2.109387	0.216396	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.732907	1.699433	1.562415	2.694919	2.700737	2.544166	1.354562	1.118494	1.416439
DEPTOR	ENSG00000155792	-1.24626	2.922243	-6.64972	3.56E-06	1.63E-05	4.345892	2.688195	2.966631	2.982302	2.840308	2.686486	2.980206	2.102195	2.184314	2.34318	4.472601	4.274276	4.437893	2.940139	2.888589	2.756856	3.516101	3.793856	3.444131
FMN2	ENSG00000155816	-0.92152	-1.55742	-3.18767	0.005245	0.009927	-2.16173	2.548084	2.748839	2.300736	1.578054	1.437317	1.840725	2.303642	2.147141	2.34318	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
RNF20	ENSG00000155827	0.191945	6.507151	3.897	0.001108	0.002476	-2.04852	6.448119	6.390602	6.38542	6.464286	6.350594	6.430558	6.184906	6.286829	6.171778	6.615209	6.591334	6.623888	6.955287	6.908064	6.957713	6.529803	6.596707	6.534429
PPARGC1B	ENSG00000155846	0.078186	3.27432	0.698677	0.493946	0.556588	-6.85494	3.128595	3.100202	3.466347	3.456785	3.394558	3.733615	4.034706	3.868266	3.746538	3.367773	3.232543	3.195594	3.228726	3.054776	3.126936	3.324713	3.628139	3.540816
ELMO1	ENSG00000155849	0.031883	0.439694	0.071611	0.943725	0.953837	-6.25764	3.476616	3.461896	3.489013	3.290819	3.242978	3.655458	3.507292	3.521314	3.628063	0.34397	0.330605	0.106501	0.352262	0.26996	0.263213	0.738851	0.19538	0.659518
SLC26A2	ENSG00000155850	-0.38619	6.005621	-1.22416	0.237137	0.29416	-6.7476	8.72673	8.741755	8.719017	7.749861	7.701601	7.745689	8.092642	8.152631	8.013088	3.265521	3.647924	3.507833	4.853955	4.660731	4.719156	3.603046	3.595851	3.641153
LSM11	ENSG00000155858	-0.64253	3.613053	-8.23415	2.01E-07	1.40E-06	7.242663	3.887134	3.829904	3.93931	3.591402	3.207016	3.27721	3.774765	3.913244	3.913431	3.864012	3.884278	3.882059	3.221013	3.213858	3.361763	4.113016	4.184245	4.143528
MED7	ENSG00000155868	0.312307	3.66848	5.015529	9.78E-05	0.00029	0.908766	3.672523	3.568199	3.489013	3.944346	3.734793	3.897801	3.80164	3.736817	3.890739	3.629659	3.748453	3.652879	3.960951	3.915568	4.01878	3.940112	3.728346	3.744016
RRAGA	ENSG00000155876	1.233247	5.594883	26.63441	1.35E-15	1.75E-12	25.97619	5.064268	5.188404	5.090354	6.412686	6.438513	6.34244	6.239981	6.247853	6.183495	4.596474	4.562677	4.671058	5.74987	5.722609	5.750232	5.788317	5.611658	5.654343
SLC24A2	ENSG00000155886	1.275127	-1.50017	7.791164	4.34E-07	2.69E-06	6.67021	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.490718	1.335727	1.413989	2.439743	2.398985	2.574402	1.482378	1.513652	1.626848
PXYLP1	ENSG00000155893	0.022234	2.877401	0.142288	0.88848	0.908639	-6.95304	3.682132	3.35903	3.384088	3.815786	3.934936	3.858473	3.474265	3.491964	3.721038	2.790717	2.753956	2.592986	2.385571	2.344993	2.141451	2.679583	2.37332	2.760563
RASA2	ENSG00000155903	-0.15375	4.053484	-1.74333	0.09884	0.136439	-5.81778	4.650007	4.412648	4.504099	4.569652	4.607895	4.604407	4.666597	4.68386	4.613192	3.864012	3.786782	3.928397	3.436163	3.536446	3.509921	3.552967	3.84969	3.848451
RMND1	ENSG00000155906	0.258758	3.800547	2.764165	0.013027	0.02236	-3.9578	3.936145	4.006672	3.947516	3.840029	3.912781	4.062605	3.891945	4.060466	4.22597	3.576295	3.811781	3.663876	4.110387	4.073319	4.134921	3.678389	3.628139	3.725851
RAET1L	ENSG00000155918	-1.0834	-0.80733	-2.98577	0.008117	0.01465	-2.84203	0.882475	0.875715	0.829201	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.840286	1.875739	1.858866	1.473091	1.2438	1.722572	1.354562	1.82352	1.739782
TMBIM4	ENSG00000155957	0.661768	2.248808	4.677773	0.000202	0.000549	0.526107	2.589523	2.636038	2.446827	3.083078	2.71237	3.231764	2.957542	2.981485	2.670735	1.891119	2.174476	2.16783	2.749557	2.671787	2.647333	1.833493	2.124453	2.252429
VBP1	ENSG00000155959	-0.38103	6.293516	-9.58133	2.25E-08	2.29E-07	9.100053	6.758559	6.800277	6.8588	6.462335	6.525036	6.425521	6.818899	6.857973	6.75269	6.122114	6.113234	6.083758	5.610696	5.771185	5.694537	6.02845	6.006502	5.948712
RAB39B	ENSG00000155961	0.428268	-0.98403	1.608969	0.125536	0.16859	-5.01891	3.27548	3.417081	3.39613	3.766043	3.796595	3.848471	2.376953	2.568641	2.670735	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AFF2	ENSG00000155966	1.00981	-0.99697	3.39954	0.003304	0.006551	-1.96731	0.216396	0.410755	0.219246	0.395333	0.106501	0.2349	0.269385	0.106501	0.106501	1.028404	1.228418	1.387696	2.28558	1.793303	2.294605	1.482378	1.406038	1.739782
MICU3	ENSG00000155970	0.186014	-1.06814	0.900413	0.38014	0.444745	-5.83125	3.19722	3.248262	2.830836	3.359513	3.242978	3.247073	2.752438	2.981485	2.82232	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GRIP1	ENSG00000155974	0.142029	1.667302	1.197757	0.247003	0.305096	-6.13576	2.051128	1.780637	1.744977	2.063099	1.996426	2.098749	1.317361	1.430416	1.314712	2.320032	2.604605	2.409144	2.466086	2.657091	2.449456	2.229352	2.392244	2.374055
VPS37A	ENSG00000155975	-0.37963	5.63858	-9.38222	3.06E-08	2.94E-07	8.873342	6.503368	6.498057	6.464749	6.075025	6.031362	6.140024	6.375839	6.301706	6.269562	5.162464	5.285805	5.238315	4.890883	4.897954	4.900154	4.953468	5.051448	5.044977
MAGEA8	ENSG00000156009	-0.02918	1.144849	-0.67548	0.508213	0.570119	-7.39342	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	6.655279	6.512522	6.601183	6.503073	6.569491	6.580512	6.477068	6.575131	6.560288
PSD3	ENSG00000156011	0.308217	6.81461	1.64449	0.11794	0.159527	-6.46315	7.165445	7.172201	7.152098	8.105926	7.995764	8.181335	7.717262	7.77259	7.726374	6.37072	6.413928	6.241648	5.810235	5.946092	5.911405	5.725113	5.809406	5.731481
CARNMT1	ENSG00000156017	0.127602	5.809735	1.217192	0.239711	0.296939	-6.94822	5.806172	5.893992	5.83942	6.406612	6.391222	6.361906	5.964794	5.981	5.903632	5.860347	5.636504	5.730625	5.445106	5.544428	5.499538	5.617847	5.629711	5.547215
MCU	ENSG00000156026	-0.28956	6.183247	-3.0334	0.007325	0.013385	-3.82866	7.193433	7.286396	7.152986	6.676049	6.584058	6.584614	6.614311	6.595316	6.608906	5.647693	5.613586	5.57329	5.668554	5.661337	5.691092	5.361471	5.589281	5.600528
MIDEAS	ENSG00000156030	-0.13435	6.392639	-3.12988	0.005946	0.011104	-3.66871	6.805475	6.717223	6.869637	6.580359	6.627218	6.65373	6.734246	6.687205	6.83374	6.182031	6.215126	6.131084	6.117038	6.021175	6.102489	6.023205	6.008036	6.084997
FAM161B	ENSG00000156050	0.549332	1.92395	4.584689	0.000247	0.000657	0.311487	1.990546	1.947501	2.166567	2.181668	2.193078	2.402038	1.966276	2.029503	2.005764	2.427256	2.249583	2.34226	2.930712	3.098942	2.661487	2.211015	1.956613	2.277588
GNAQ	ENSG00000156052	0.134148	5.691098	2.695322	0.015064	0.025439	-4.49267	5.991484	5.918315	5.929176	5.913065	6.008039	5.99342	5.570773	5.755661	5.690258	5.59692	5.646961	5.568909	5.776427	5.918631	5.781349	5.260328	5.276925	5.365554
MMP16	ENSG00000156103	0.589122	3.621196	6.60622	3.87E-06	1.75E-05	4.309101	4.495082	4.401188	4.382257	5.0571	5.075006	5.175948	4.7858	4.715948	4.801363	2.679436	2.674414	2.671369	3.083152	2.837366	2.930541	2.890155	2.696248	2.507643
ADK	ENSG00000156110	-0.61493	5.496986	-6.56279	4.21E-06	1.88E-05	3.768451	6.053879	6.127503	6.078628	5.209091	5.049849	5.068031	5.356409	5.298133	5.388034	5.766469	5.646961	5.742345	5.32071	5.44741	5.453507	5.509483	5.496136	5.534225
KCNMA1	ENSG00000156113	-1.14784	0.952162	-3.16111	0.005556	0.010457	-2.32355	4.088441	4.029182	4.065319	3.408969	3.207016	2.924168	3.774765	4.050434	3.867685	0.269074	0.583785	0.726056	0.234608	0.190544	0.186984	0.884806	0.816175	0.999041
BATF	ENSG00000156127	0.446586	-0.50988	3.367164	0.003546	0.006978	-2.43268	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.145032	3.002186	3.318995	3.675081	3.637228	3.525482	3.053433	3.171908	2.570068
DCK	ENSG00000156136	-0.64945	4.461391	-7.5193	7.05E-07	4.06E-06	5.793744	4.630287	4.604738	4.606117	4.40878	4.293254	4.293939	4.528631	4.784126	4.585199	4.899309	4.893523	4.911491	3.95166	4.1851	4.051393	4.533992	4.687803	4.670683
ADAMTS3	ENSG00000156140	1.156877	0.557648	4.671942	0.000204	0.000555	0.747096	1.010037	1.002471	0.679585	1.326771	1.437317	1.188496	1.588238	1.988058	1.50602	1.278001	0.848253	1.061592	1.733794	2.10622	1.801384	1.320757	1.329561	1.273688
DPY19L4	ENSG00000156162	0.374311	5.895925	4.21615	0.00055	0.001335	-1.27475	5.060589	5.140963	5.010354	5.845818	5.845033	5.807161	5.729647	5.730749	5.683673	6.25055	6.269147	6.233367	6.299316	6.384488	6.42638	6.229712	6.292449	6.358432
NDUFAF6	ENSG00000156170	-0.4642	4.248471	-5.92072	1.50E-05	5.63E-05	2.708605	4.758449	4.668265	4.400306	4.122913	3.945887	3.954853	4.428731	4.299455	4.66091	4.337085	4.423646	4.478947	4.110387	4.148793	4.013272	4.32821	4.304002	4.483349
DRAM2	ENSG00000156171	0.014148	4.884901	0.170555	0.866532	0.890221	-7.50966	4.933595	5.003727	4.781616	4.921675	4.70778	5.010886	5.444307	5.423907	5.243285	4.839091	4.80292	4.719298	4.779762	4.749998	4.917949	4.934035	4.847164	4.771534
C8orf37	ENSG00000156172	0.046831	3.330007	0.588104	0.563985	0.623426	-7.0092	3.236881	3.450822	3.39613	3.57705	3.502343	3.391835	3.474265	3.633086	3.181386	3.496465	3.647924	3.585074	3.442811	3.67419	3.600863	3.415594	3.422593	3.364179
WHAMM	ENSG00000156232	-0.2974	3.720662	-3.87224	0.00117	0.002593	-1.63193	3.738482	3.428416	3.477724	3.408969	3.394558	3.560621	3.571163	3.605944	3.389938	4.19764	4.269773	4.362268	3.894617	3.903166	3.962731	4.147172	4.211138	4.467038
N6AMT1	ENSG00000156239	0.092938	4.387749	1.217083	0.239752	0.296963	-6.64731	4.69816	4.760843	4.725456	4.605448	4.580048	4.814227	4.956946	4.814082	5.021009	4.020609	4.056262	4.046548	4.359059	4.084346	4.306856	4.175819	4.178806	4.066226
RWDD2B	ENSG00000156253	0.036182	4.319394	0.34215	0.736318	0.779151	-7.47722	3.952119	4.080378	4.042515	3.308302	3.457132	3.523386	3.388228	3.40015	3.218306	5.006941	5.176975	5.187779	5.336859	5.320261	5.461619	5.134631	5.027439	5.274758
USP16	ENSG00000156256	0.996394	5.762386	21.61203	4.70E-14	1.31E-11	22.51212	4.992709	5.003727	4.892035	5.960829	5.952107	6.022623	5.894757	6.060626	6.069409	5.353567	5.372368	5.290692	6.249001	6.280458	6.319977	6.131979	6.19208	6.204601
CCT8	ENSG00000156261	-0.44882	8.147355	-11.1845	2.16E-09	3.42E-08	11.37511	8.391438	8.383218	8.315052	7.782282	7.776359	7.770399	8.324585	8.313847	8.319017	8.25471	8.229531	8.208206	7.895202	7.906251	7.924563	8.333071	8.290492	8.329953
BACH1	ENSG00000156273	-0.22853	5.067313	-1.3626	0.190308	0.242295	-6.60142	5.843047	5.975457	5.899874	5.307999	5.094821	5.324049	5.928678	5.9217	5.860491	4.513734	4.679329	4.533928	4.808355	4.859959	4.863891	4.194605	4.205799	4.268007
TSPAN7	ENSG00000156298	-1.38997	0.184081	-4.57473	0.000252	0.000669	0.612476	5.853716	5.918315	5.863473	4.487626	4.522687	4.372816	5.461262	5.298133	5.541593	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.214669
TIAM1	ENSG00000156299	-0.08285	3.126083	-0.46223	0.649617	0.700947	-7.2421	1.12723	1.420874	1.30847	2.933382	2.660129	2.481849	2.186178	2.220554	2.047395	4.81954	4.755391	4.635187	4.275881	4.541772	4.333621	5.137061	5.027439	5.174518
SCAF4	ENSG00000156304	-0.58703	5.574669	-12.4616	3.98E-10	9.02E-09	13.30539	5.49062	5.455446	5.411316	4.765896	4.789085	4.761901	5.049544	5.098392	5.321722	6.35383	6.336371	6.302729	5.865704	5.706642	5.858632	6.140482	6.173056	6.059839
RPGR	ENSG00000156313	-0.65884	3.463877	-3.62252	0.002026	0.004255	-2.0179	4.744758	4.756352	4.715879	3.714523	3.531716	3.391835	3.690999	4.060466	4.063004	3.265521	3.136872	3.332842	3.310958	3.301515	3.225499	2.719047	3.058015	2.863849
CDK20	ENSG00000156345	0.499151	3.617463	6.165914	9.16E-06	3.67E-05	3.280298	3.58303	3.628412	3.576275	3.562554	3.978251	3.858473	3.423261	3.415864	3.218306	3.716784	3.748453	3.748962	4.44765	4.24529	4.333621	3.567454	3.690624	3.519884
PCGF6	ENSG00000156374	-1.12114	3.875539	-12.767	2.71E-10	6.76E-09	13.91065	4.917414	4.984658	4.946277	3.851999	3.820593	3.858473	4.393833	4.741115	4.6676	3.87668	3.709078	3.93295	2.802201	2.811056	3.064395	3.678389	3.772348	3.914098
ANKRD9	ENSG00000156381	0.400625	3.873482	4.922347	0.000119	0.000346	0.712846	4.051848	4.12286	4.208773	4.472198	4.668652	4.662649	4.437325	4.290959	4.216877	3.536933	3.313538	3.507833	3.804587	3.614588	3.747398	3.830273	3.644015	3.444131
SFR1	ENSG00000156384	-0.94714	2.786323	-9.03846	5.29E-08	4.64E-07	8.705957	3.911847	3.872022	3.871922	3.142765	3.295295	2.805104	3.094248	3.462004	3.162566	2.978724	2.912585	3.093551	2.24051	2.190279	2.121111	2.583072	2.552239	2.778299
SFXN2	ENSG00000156398	0.505092	2.817245	3.824728	0.001299	0.002847	-1.4701	2.27083	2.513665	2.514675	3.255206	3.073582	3.459109	3.137083	3.40015	2.937508	2.966925	3.034402	2.902498	3.266686	3.193633	2.95373	3.209363	3.058015	3.215882
ATP5MPL	ENSG00000156411	-0.11219	6.443537	-3.08607	0.006537	0.012108	-3.77506	6.650126	6.611798	6.537226	6.589325	6.53232	6.483221	6.659086	6.695276	6.62618	6.419154	6.360926	6.40786	6.203734	6.276858	6.256122	6.328703	6.296221	6.358432
PCDH1	ENSG00000156453	-0.31658	5.274261	-2.60301	0.018278	0.030184	-4.78729	3.337603	3.057038	3.162305	2.81607	2.633282	2.805104	0.983587	2.324112	1.674905	8.503176	8.44558	8.495861	8.218429	8.204476	8.158674	8.430889	8.434665	8.445811
SH3RF2	ENSG00000156463	0.093185	5.024007	0.641982	0.529216	0.590862	-7.36789	4.996565	4.929882	4.883506	5.400559	5.244245	5.408166	5.248226	5.21525	5.383978	5.349028	5.251956	5.29777	5.156533	5.014952	5.141424	4.398766	4.405289	4.541628
UQCRB	ENSG00000156467	0.131826	7.501019	2.617919	0.017718	0.029378	-4.83606	7.586543	7.593173	7.408415	7.737009	7.663961	7.733513	7.62717	7.768006	7.742305	7.413858	7.36312	7.34247	7.437383	7.446335	7.47956	7.310421	7.209698	7.304492
MTERF3	ENSG00000156469	0.045535	4.692124	0.688842	0.499965	0.562348	-7.29211	4.473109	4.468622	4.526184	4.591236	4.842803	4.696497	4.283766	4.373746	4.467457	5.012691	4.976009	4.95243	4.886014	4.888549	5.003776	4.947942	5.089629	5.011626
PTDSS1	ENSG00000156471	-0.2304	7.230843	-3.54804	0.002386	0.004912	-2.86573	7.049585	7.044506	6.936098	7.026967	6.990643	7.077449	7.309079	7.373562	7.31591	7.536181	7.467585	7.531454	7.087893	7.055431	7.074049	7.532492	7.440284	7.486113
RPL30	ENSG00000156482	0.002664	9.163795	0.068896	0.945854	0.955361	-8.0063	9.01652	9.001436	8.969498	8.939193	8.976121	8.966158	9.068859	9.007109	9.072217	9.363796	9.342152	9.175275	9.239397	9.373897	9.372948	9.302387	9.351029	9.457409
FAM122C	ENSG00000156500	0.565603	0.966275	3.347188	0.003704	0.007266	-2.13109	1.12723	1.631689	1.30847	1.457877	1.718467	1.669505	1.240874	1.901414	1.564539	1.52331	1.498542	1.653508	2.062048	1.946191	1.992654	1.320757	1.513652	1.504318
SUPV3L1	ENSG00000156502	-0.57704	5.254236	-6.46941	5.04E-06	2.20E-05	3.67139	6.295276	6.268199	6.232628	5.517909	5.438974	5.298562	5.875913	5.932665	5.842866	4.905504	4.84591	4.895252	4.647902	4.645922	4.639165	4.805497	4.625193	4.622403
FAM122B	ENSG00000156504	0.264164	5.48777	4.903339	0.000124	0.000358	0.345274	5.876913	5.893992	5.783216	6.250324	6.216843	6.280554	5.985453	6.037958	5.914921	4.926979	5.014203	4.965822	5.075443	5.074229	5.079521	4.956223	4.981317	5.098903
EEF1A1	ENSG00000156508	-0.16593	12.09679	-4.59093	0.000243	0.000649	-0.85636	12.63033	12.60617	12.58828	12.54573	12.51668	12.46598	12.54004	12.53072	12.53326	11.86987	11.7482	11.66762	11.48724	11.55418	11.54644	11.56631	11.64182	11.70976
HKDC1	ENSG00000156510	-0.50491	0.881161	-1.00496	0.328628	0.391935	-5.80726	4.973272	4.813666	4.662041	4.532944	4.607895	4.524999	3.866715	3.711575	3.957772	0.54782	0.330605	0.34382	0.234608	0.106501	0.106501	0.457048	0.504542	0.497646
HK1	ENSG00000156515	0.131446	6.051603	1.337697	0.198142	0.250857	-6.86699	5.924244	5.854621	5.803703	6.112826	6.177895	6.142073	5.338168	5.5324	5.455304	6.271086	6.324478	6.238893	6.375122	6.293583	6.251451	6.445064	6.43501	6.365783
TYSND1	ENSG00000156521	0.230449	4.289654	2.031343	0.057712	0.08461	-5.31273	5.356021	5.538865	5.541709	5.499001	5.647884	5.500479	5.515028	5.45466	5.534291	2.736149	3.136872	3.093551	3.494914	3.552417	3.517722	3.567454	3.385297	2.960231
PHF6	ENSG00000156531	-0.23958	5.609812	-4.19001	0.000582	0.001404	-1.26527	5.883176	5.822762	5.830573	5.392386	5.383668	5.461637	5.771031	5.891111	5.663734	5.593087	5.634754	5.592123	5.47622	5.526348	5.578118	5.66239	5.64557	5.715459
CD109	ENSG00000156535	0.584612	7.744828	2.820542	0.011558	0.020078	-4.43777	7.388005	7.404459	7.336029	8.719546	8.697865	8.837437	7.95353	7.955063	7.870332	7.373647	7.521143	7.399508	7.166801	7.340515	7.247685	7.742159	7.750029	7.835455
UBE2L6	ENSG00000156587	-0.08909	6.347158	-1.12927	0.274047	0.334469	-7.17162	5.282121	5.334134	5.332045	5.12773	4.933626	4.849758	4.812472	4.949799	4.978598	7.59821	7.503031	7.633929	7.62479	7.55536	7.640501	7.840119	7.835475	7.890004
ZDHHC5	ENSG00000156599	-0.05093	7.711337	-1.52271	0.145718	0.1918	-6.76617	7.503616	7.502235	7.510955	7.354948	7.327502	7.3848	7.509843	7.467029	7.456781	7.978071	7.910633	7.969815	7.998357	7.977479	7.972538	8.023685	8.068033	8.017749
MED19	ENSG00000156603	0.261089	4.062221	3.950206	0.000986	0.002236	-1.57044	3.65311	3.57841	3.533304	3.70135	3.820593	3.907468	3.602068	3.619579	3.614278	4.391063	4.411431	4.72456	4.72355	4.804359	4.810905	4.749424	4.633169	4.494122
ZFAND3	ENSG00000156639	0.030465	6.492687	0.299568	0.76804	0.807499	-7.73566	6.92056	6.872598	6.892132	6.569526	6.461589	6.593624	7.008177	6.817139	6.927299	6.008715	6.043715	6.09599	6.487887	6.417562	6.408658	6.202126	6.166201	6.27968
NPTN	ENSG00000156642	-0.14622	7.42748	-1.71461	0.104093	0.142763	-6.45611	6.914458	6.916527	6.966701	7.184369	7.176456	7.16064	7.334607	7.334824	7.34019	7.887868	7.869555	7.889232	7.442367	7.428598	7.4168	7.877296	7.844521	7.869466
KAT6B	ENSG00000156650	0.789322	4.94464	6.403759	5.73E-06	2.45E-05	3.569619	4.590018	4.619648	4.606117	5.677771	5.794432	5.892383	5.515028	5.368459	5.321722	4.455814	4.712893	4.635187	4.905394	4.959137	5.050237	4.577584	4.568087	4.656368
SAMD8	ENSG00000156671	-0.10115	5.431558	-1.08508	0.292625	0.354122	-7.00046	5.94235	5.994648	6.001902	6.110336	6.198646	6.210048	5.952856	6.128954	5.970082	5.180457	5.095341	5.107486	4.583188	4.780828	4.72927	4.774615	4.751478	4.930673
RAB11FIP1	ENSG00000156675	0.330139	6.689418	3.476391	0.002792	0.005648	-3.03023	5.227386	5.181722	5.159101	4.921675	4.648682	4.969954	4.673889	4.482206	4.482711	8.513859	8.524963	8.474548	9.073828	9.033905	9.083231	8.149074	8.158894	8.161101
UNC5D	ENSG00000156687	-0.42958	-0.91936	-2.31011	0.033328	0.051721	-3.88598	3.300651	3.450822	3.489013	2.933382	3.132285	2.845893	3.80164	3.578282	3.543305	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
UTP14A	ENSG00000156697	-0.40178	6.721364	-6.20259	8.52E-06	3.46E-05	2.89308	7.189227	7.160353	7.090439	6.466234	6.571739	6.569471	6.595237	6.6022	6.504416	6.882683	6.817222	6.864531	6.679473	6.58316	6.654027	6.673164	6.601797	6.735068
AIFM1	ENSG00000156709	0.088661	6.466714	1.673713	0.111988	0.152206	-6.37256	7.154269	7.208816	7.157415	7.349681	7.336892	7.361253	7.275922	7.397502	7.366126	5.712726	5.544427	5.832828	5.740459	5.646534	5.643753	5.708869	5.607615	5.708538
MAPK13	ENSG00000156711	-0.88619	3.861673	-13.7562	8.24E-11	2.87E-09	14.93913	1.602421	1.708084	1.30847	0.841981	1.373859	1.422231	1.074544	1.605065	1.564539	7.323634	7.333217	7.275485	6.466844	6.43274	6.351966	7.509231	7.578885	7.53909
BAG4	ENSG00000156735	-0.14846	4.325989	-1.35382	0.193041	0.245271	-6.56059	3.792713	3.638208	3.801232	4.142539	4.167908	4.264152	3.814892	3.924273	4.05282	5.018419	4.833757	5.062485	4.540442	4.581228	4.602954	5.02081	4.930438	5.059556
TBC1D31	ENSG00000156787	-0.54069	4.63048	-4.0982	0.000712	0.001674	-1.19033	5.356021	5.306756	5.238162	5.290513	5.075006	5.010886	5.701383	5.862728	5.716303	4.341661	4.374156	4.434686	3.332595	3.576046	3.396027	4.175819	4.106163	4.299055
NTAQ1	ENSG00000156795	-0.22202	4.23359	-3.84975	0.001229	0.00271	-1.82604	3.911847	3.872022	3.971859	3.851999	3.734793	3.828257	3.602068	3.749274	3.746538	4.871097	4.851948	5.043664	4.737134	4.608219	4.681452	4.850615	4.933671	4.836464
ATAD2	ENSG00000156802	-1.88296	6.234924	-7.58743	6.24E-07	3.66E-06	5.680071	6.101207	5.988917	5.986055	5.517909	5.561519	5.490866	6.217704	6.265306	6.181159	7.518102	7.492923	7.491502	4.838914	4.956139	4.810905	7.433654	7.381715	7.429714
FBXO32	ENSG00000156804	0.667341	3.654413	7.850381	3.91E-07	2.46E-06	6.272673	1.18244	1.374745	1.146821	2.393052	2.366112	2.029614	1.867984	1.85606	1.873138	5.992802	5.965115	6.113142	6.596951	6.618673	6.645152	5.633422	5.599495	5.710849
NSMCE2	ENSG00000156831	-0.24055	4.882047	-3.55539	0.002347	0.004847	-2.56047	4.945613	5.127117	5.11242	4.487626	4.745876	4.622128	4.832157	4.61746	4.640652	5.22076	5.137972	5.249309	5.05823	5.136474	5.11852	4.774615	4.978189	4.977487
ZNF689	ENSG00000156853	-0.29931	4.233916	-5.46353	3.82E-05	0.000127	1.783864	4.645102	4.57954	4.611291	4.209199	4.343809	4.337497	4.716879	4.664259	4.770621	4.161861	4.056262	4.201752	3.768	4.011117	3.898452	4.213151	4.258317	4.18401
PRR14	ENSG00000156858	0.447345	4.213583	4.850682	0.000139	0.000395	0.408588	3.952119	3.952741	4.153091	4.654117	4.648682	4.690911	4.090259	3.736817	3.879258	4.20268	4.209911	4.300188	4.595172	4.459468	4.539229	4.353508	4.521577	4.341429
FBRS	ENSG00000156860	0.25129	6.505656	4.577669	0.00025	0.000665	-0.53962	6.466308	6.407883	6.58929	6.614138	6.749451	6.578576	6.443525	6.375885	6.561203	6.227246	6.357747	6.460054	6.679473	6.650554	6.698464	6.590465	6.540561	6.406268
FRRS1	ENSG00000156869	-0.07163	2.041512	-0.51264	0.614622	0.670141	-6.68807	1.959273	1.780637	1.62731	2.255624	1.953662	1.993763	2.667326	2.825515	2.471058	2.527059	2.546219	2.638296	2.24051	2.398985	2.330481	2.75746	3.022017	2.81313
PHKG2	ENSG00000156873	0.290481	4.089641	3.816022	0.001324	0.002896	-1.83185	3.810347	3.676739	3.83701	4.40878	4.167908	4.386706	3.941119	3.999201	3.783962	4.377757	4.260723	4.303708	4.527992	4.340341	4.411058	4.276243	4.288934	4.370952
MFSD14A	ENSG00000156875	-0.03561	6.132016	-0.48536	0.633447	0.686568	-7.62615	5.916123	5.988917	5.976061	6.154502	6.086834	6.240961	6.332727	6.375885	6.385689	6.238331	6.271401	6.246228	5.997966	6.103425	5.963744	6.182261	6.12437	6.173105
SASS6	ENSG00000156876	-1.35539	3.362548	-12.0225	7.00E-10	1.42E-08	12.96879	3.288121	3.310847	3.204003	2.457149	2.71237	2.675323	3.258446	3.491964	3.4839	4.447347	4.529155	4.421787	2.995443	2.888589	3.106389	4.245042	4.517274	4.261717
MALSU1	ENSG00000156928	-0.49521	4.985508	-8.03329	2.84E-07	1.89E-06	6.657482	5.643543	5.678322	5.671231	5.117849	5.079986	5.055043	5.32896	5.392484	5.56328	4.81954	4.884715	4.972471	4.515435	4.561635	4.460466	4.780845	4.482376	4.602629
VPS8	ENSG00000156931	0.302604	4.464799	3.445811	0.002985	0.005997	-2.65653	4.892796	4.864623	4.85325	4.87551	4.888929	4.942007	4.938902	4.933517	4.640652	3.991785	4.029873	3.886761	4.552785	4.525683	4.398437	4.132632	3.992947	4.261717
GALK2	ENSG00000156958	-0.34082	5.092446	-3.79069	0.0014	0.003044	-2.03423	5.156772	5.355074	5.176661	4.944216	4.701332	4.735009	5.722633	5.682848	5.537947	4.963066	5.172157	5.185873	4.914988	4.780828	4.85468	5.117505	5.101177	5.353773
B3GNT7	ENSG00000156966	0.506235	2.061252	5.479101	3.69E-05	0.000124	1.488593	0.106501	0.106501	0.106501	0.52061	0.25478	0.563119	0.106501	0.106501	0.106501	7.28317	7.230357	7.35355	7.757684	7.760048	7.713643	7.612383	7.64448	7.541039
BUB1B	ENSG00000156970	-1.35642	4.581638	-6.54249	4.38E-06	1.94E-05	3.989852	5.207561	5.134056	4.89628	4.576883	4.56592	4.610338	5.356409	5.289629	5.375831	5.077225	5.024933	4.95243	3.236398	2.811056	2.95373	4.953468	4.90101	4.886383
PDE6D	ENSG00000156973	0.218957	4.019737	2.893085	0.009902	0.017506	-3.7335	4.296689	4.136747	3.995797	4.171485	4.177232	4.170914	4.245129	4.273815	4.252911	3.709722	3.70241	3.896118	4.01993	4.250194	4.088533	4.222335	4.221756	4.143528
EIF4A2	ENSG00000156976	-0.33167	7.92686	-2.7921	0.012278	0.021207	-4.53909	8.090466	8.029336	8.022971	7.234382	7.045128	7.231619	7.347203	7.267135	7.252803	8.448539	8.438826	8.392423	8.533439	8.516536	8.527817	8.08884	8.121817	8.211744
BRPF1	ENSG00000156983	-0.53124	4.957592	-9.90848	1.36E-08	1.54E-07	9.731843	4.859306	4.738249	4.942176	4.375995	4.276	4.053927	4.496094	4.459641	4.613192	5.732026	5.726347	5.693541	5.250459	5.359369	5.146464	5.448178	5.449467	5.523749
RPUSD3	ENSG00000156990	-0.15924	4.626486	-1.17037	0.257564	0.316959	-6.82939	5.230664	5.24399	5.267957	4.448742	4.662026	4.499659	4.122591	4.290959	4.198517	4.699893	4.641483	4.657367	4.888451	4.879081	4.950015	4.477583	4.534411	4.675424
TATDN2	ENSG00000157014	-0.18167	4.713537	-3.12969	0.005948	0.011107	-3.45855	4.645102	4.624584	4.606117	4.448742	4.621619	4.400463	4.143751	4.247712	4.288067	5.159875	5.179378	5.210458	5.005325	4.974036	5.009321	5.122419	5.140881	5.048636
SEC13	ENSG00000157020	-0.2984	7.255484	-5.64142	2.64E-05	9.18E-05	1.695343	7.719642	7.704588	7.749053	7.244634	7.30535	7.279863	7.446331	7.455671	7.530195	7.075645	6.982523	7.141758	6.928896	6.921193	6.896949	7.124541	7.103897	7.166517
EXOG	ENSG00000157036	-0.04534	3.294483	-0.28897	0.776004	0.81377	-7.11112	3.011517	2.784561	3.029452	3.605613	3.242978	3.678224	3.440463	3.84524	3.60036	3.688323	3.854512	3.48321	3.197622	3.292034	3.244428	3.617041	3.562824	3.788453
NTAN1	ENSG00000157045	0.141663	3.989202	1.538891	0.141739	0.187254	-6.14435	4.574623	4.543506	4.441562	4.325376	4.284653	4.454215	4.376062	4.184903	4.235006	3.599408	3.517242	3.71764	3.993008	4.011117	4.056758	3.730814	3.750515	3.698167
NMNAT2	ENSG00000157064	-0.97609	5.703041	-4.5717	0.000254	0.000673	-0.448	6.599047	6.61304	6.593219	4.753186	4.384626	4.645422	5.32896	5.281075	5.570437	6.141927	6.043715	6.027394	5.789524	5.754024	5.88752	5.865084	5.940538	6.000631
ZFYVE9	ENSG00000157077	-0.25532	4.13294	-3.06613	0.006825	0.012573	-3.37552	4.683882	4.677795	4.662041	4.63346	4.58706	4.71863	4.583863	4.562048	4.475104	4.092963	3.942027	4.190389	3.53901	3.614588	3.734067	3.617041	3.793856	3.848451
SMG1	ENSG00000157106	0.086431	7.38036	0.707648	0.488494	0.551579	-7.62414	7.019579	7.224344	7.306824	7.576736	7.542061	7.910985	7.386566	7.258446	7.243878	7.562392	7.835297	7.270997	7.261962	7.279456	7.288157	7.40873	7.254986	7.37758
FCHO2	ENSG00000157107	0.058404	4.975115	1.020316	0.321495	0.384859	-7.02863	5.275788	5.387379	5.264677	5.565938	5.367468	5.553773	5.055139	5.108097	5.015776	4.899309	4.950911	4.904554	4.938696	4.784213	4.829829	4.591826	4.49993	4.422617
RBPMS	ENSG00000157110	0.205636	5.223276	1.839524	0.082887	0.116691	-5.99508	5.288426	5.127117	5.293935	5.004446	5.075006	5.015363	5.342749	5.146277	5.355259	5.21079	5.188951	5.254774	5.71185	5.670512	5.709941	5.069967	5.258994	5.011626
NRG1	ENSG00000157168	-1.08963	4.558832	-7.12478	1.45E-06	7.55E-06	5.204678	7.268708	7.238902	7.268852	6.125209	5.921921	6.004722	5.916435	5.907876	5.782514	3.165825	3.278101	3.36689	2.995443	2.467968	2.930541	3.073871	2.665466	2.760563
ODR4	ENSG00000157181	-0.16445	6.12832	-4.0536	0.000785	0.001829	-1.62276	6.629166	6.630321	6.566826	6.422753	6.399213	6.458774	6.534451	6.588399	6.541308	5.852352	5.880509	5.819366	5.638468	5.690495	5.794253	5.6708	5.720484	5.868189
CPT2	ENSG00000157184	-0.00505	5.376714	-0.06256	0.950829	0.959384	-7.64456	5.325688	5.590232	5.356903	5.28169	5.14795	5.147678	5.494585	5.517911	5.383978	5.424305	5.407641	5.539356	5.619524	5.60119	5.624013	5.319295	5.331868	5.308717
NECAP2	ENSG00000157191	0.07052	6.009417	0.601274	0.555376	0.615134	-7.57812	5.788487	5.750092	5.83942	5.333837	5.176125	5.280077	5.704947	5.550308	5.338588	6.418071	6.321217	6.440202	6.832845	6.779121	6.842083	6.415341	6.425856	6.376011
LRP8	ENSG00000157193	-0.41445	5.513902	-2.27218	0.035965	0.0553	-5.07844	6.508778	6.526025	6.45902	6.446632	6.616977	6.527774	7.66882	7.656688	7.675008	4.455814	4.532919	4.463295	3.066031	3.193633	3.335521	5.012893	5.009167	5.088278
PAXIP1	ENSG00000157212	-0.25785	4.850705	-4.75834	0.00017	0.000472	0.12505	5.034569	5.106095	5.11242	4.971905	4.998178	4.889321	5.167879	5.117737	5.07736	4.911672	4.833757	4.793777	4.552785	4.385617	4.569568	4.868275	4.897703	4.950363
STEAP2	ENSG00000157214	-0.65507	3.905237	-2.69339	0.015125	0.025528	-4.22275	2.9807	3.142112	2.900124	4.072648	3.978251	3.838399	3.238915	3.232814	2.869505	4.963066	5.061869	5.060406	3.988472	3.766081	3.910354	5.007591	5.157568	5.154286
SSBP3	ENSG00000157216	1.016666	4.765118	7.426607	8.34E-07	4.69E-06	5.529161	3.928091	4.051346	4.042515	5.517909	5.624218	5.669075	4.143751	4.230044	4.296723	4.874259	4.68948	4.835713	5.436806	5.404061	5.376231	4.914336	4.981317	4.806527
CLDN12	ENSG00000157224	-0.37489	6.221126	-6.78281	2.76E-06	1.31E-05	4.098729	6.148765	6.13617	6.095343	5.938549	5.690831	5.794193	6.124988	6.063123	6.123935	6.741781	6.733845	6.730382	6.310262	6.318312	6.339916	6.388056	6.307481	6.358432
FZD1	ENSG00000157240	0.007242	3.897137	0.06471	0.949139	0.958018	-7.33498	3.729242	3.61855	3.736403	4.072648	4.327153	4.079806	3.853933	3.924273	3.783962	4.103779	4.176619	4.260892	3.746669	3.987816	4.056758	4.171084	4.242761	4.037057
GATAD1	ENSG00000157259	-0.20999	5.91643	-2.55243	0.020306	0.033213	-4.77486	6.516856	6.387701	6.480387	5.999011	5.989635	6.121455	6.546418	6.452163	6.458862	5.522291	5.688044	5.558634	5.514586	5.672341	5.598492	5.529969	5.530707	5.388831
SUSD3	ENSG00000157303	0.709143	-0.44831	3.273067	0.004355	0.008403	-2.45977	0.106501	0.106501	0.323815	0.106501	0.106501	0.106501	0.415731	0.106501	0.256032	2.543041	2.267764	2.243088	2.968056	3.193633	3.053703	3.073871	3.366281	3.352387
DHRS4	ENSG00000157326	0.239331	4.142143	2.360606	0.030097	0.047137	-4.85878	4.088441	4.243278	4.370098	3.944346	4.1957	3.982555	3.904396	4.147745	4.093134	4.03198	4.056262	4.213027	4.580176	4.581228	4.599282	4.434767	4.38181	4.203832
DDX19B	ENSG00000157349	0.076484	3.807326	0.667089	0.513427	0.575579	-7.1218	3.887134	3.450822	3.81026	3.661095	3.832443	3.200652	3.632324	3.578282	3.924645	4.30464	4.056262	4.271716	4.480326	4.376675	4.324754	3.923315	3.876817	3.840032
ST3GAL2	ENSG00000157350	0.416096	3.758824	2.907064	0.00961	0.017039	-3.46155	5.064268	5.433112	5.30675	5.794018	6.00018	5.691628	5.267633	5.228657	5.062209	2.620402	2.469748	2.615819	2.371704	2.517623	2.528806	2.417026	2.33471	2.06284
FCSK	ENSG00000157353	0.399338	3.897761	5.129466	7.68E-05	0.000235	1.067782	3.756787	3.812706	3.871922	3.977507	4.1009	3.818042	3.841036	3.535768	3.82044	3.901688	4.097507	3.990867	4.630539	4.429515	4.423569	3.940112	4.017531	3.961444
DHRS1	ENSG00000157379	-0.37774	3.60341	-2.92415	0.009265	0.016482	-3.60698	4.387594	4.360345	4.37619	3.290819	3.560502	3.632327	3.602068	3.431409	3.69508	3.864012	3.824119	3.779618	3.762697	3.958151	3.824901	3.200096	3.2466	3.254409
CACNA1D	ENSG00000157388	-0.21219	1.093947	-1.01567	0.323641	0.38694	-6.44648	0.41387	0.875715	0.598525	1.634586	1.087782	1.526279	0.670238	0.622068	0.39151	3.376719	3.447177	3.240362	2.872818	2.888589	2.858649	2.35157	2.500854	2.687355
ARSL	ENSG00000157399	1.03764	-1.64477	3.51328	0.002575	0.005262	-1.51086	1.826927	1.670392	1.78216	2.577385	2.926537	2.845893	2.102195	1.491012	2.087859	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AASDH	ENSG00000157426	-0.33081	3.655454	-3.23608	0.004721	0.009032	-2.98071	3.936145	4.236845	3.81026	3.472378	3.242978	3.168853	3.66196	3.550079	3.498982	4.048869	4.082178	4.029643	4.037603	3.976023	3.87435	3.711377	3.743163	3.805852
ZNF19	ENSG00000157429	0.263234	1.002615	1.286967	0.21489	0.269568	-5.83044	1.010037	1.002471	1.499186	1.182548	1.2379	0.909432	1.70672	1.605065	1.50602	1.98771	1.922393	1.896649	2.25569	2.148862	2.312654	1.65509	1.795362	1.81044
CACNA2D3	ENSG00000157445	2.696417	1.29014	8.263861	1.91E-07	1.35E-06	7.328277	3.84498	4.164126	3.871922	6.674365	6.592794	6.646533	5.238424	5.169636	5.252213	0.106501	0.398185	0.16959	0.46104	0.26996	0.470356	0.326864	0.358227	0.214669

RNF111	ENSG00000157450	0.071466	4.733563	1.529506	0.144036	0.189919	-6.42595	4.10996	3.872022	4.003689	4.218476	4.110665	4.079806	4.101117	4.194045	4.021828	5.464721	5.436055	5.40489	5.440132	5.449543	5.546053	5.570088	5.615689	5.680517
CCNB2	ENSG00000157456	-1.36749	4.365309	-6.80824	2.63E-06	1.26E-05	4.603527	4.988842	5.127117	4.95851	4.472198	4.327153	4.379778	5.771031	5.730749	5.757647	4.438829	4.467566	4.418544	2.371704	2.363215	2.559363	4.826728	4.580516	4.797858
FAM81A	ENSG00000157470	-0.47366	2.702358	-3.66078	0.001862	0.003951	-1.79238	3.011517	2.91921	2.848472	3.041869	3.073582	2.805104	2.981245	2.981485	2.697131	3.216534	3.15652	3.141546	2.479079	2.549802	2.399663	3.032701	3.104657	3.093712
MYO1E	ENSG00000157483	-0.31908	7.022468	-2.54767	0.020508	0.033516	-4.95554	7.472112	7.356311	7.373057	7.015039	6.947704	6.914431	6.314182	6.166593	6.109268	7.364119	7.341288	7.331735	7.147093	7.123828	7.15756	7.241516	7.095261	7.147878
APPL1	ENSG00000157500	-0.12243	5.93382	-3.16719	0.005484	0.010338	-3.56575	5.930304	5.924332	5.95179	5.724097	5.703792	5.671913	5.624444	5.679597	5.552477	6.25662	6.209259	6.25807	6.208618	6.212983	6.186865	6.02583	6.038386	6.090332
PWWP3B	ENSG00000157502	1.024992	0.342723	7.089592	1.55E-06	7.98E-06	5.18413	0.106501	0.106501	0.219246	0.395333	0.106501	0.3528	0.106501	0.253663	0.256032	3.87668	3.890158	3.641797	4.684821	4.811013	4.684921	3.39949	3.595851	3.410407
AFAP1L1	ENSG00000157510	0.223754	0.955312	1.092555	0.289421	0.350755	-5.9455	1.755904	1.374745	1.088647	1.791994	1.556428	1.714252	1.525136	2.255906	1.38134	1.52331	1.435603	1.333627	1.597456	1.462417	1.284217	1.708352	1.930959	1.81044
TSC22D3	ENSG00000157514	-0.14137	5.283351	-1.19754	0.247084	0.30517	-6.93182	5.362012	5.041126	5.204319	4.281793	4.7142	4.543715	4.902122	4.949799	5.112107	5.709189	5.81247	5.782	5.895085	5.980438	5.88752	5.555628	5.564469	5.523749
VPS26C	ENSG00000157538	0.427578	5.772877	6.626557	3.72E-06	1.70E-05	3.85206	5.528401	5.496413	5.50047	5.812513	5.726197	5.807161	5.791286	5.868449	5.900795	5.666054	5.694779	5.658231	6.189971	6.185083	6.213527	5.803695	5.727952	5.832557
DYRK1A	ENSG00000157540	-0.28801	5.758477	-5.08211	8.49E-05	0.000256	0.663842	5.97203	5.981241	5.925027	5.629907	5.634408	5.842864	6.000029	5.959717	6.084485	5.918171	5.892276	5.769327	5.544252	5.489494	5.598492	5.677494	5.558198	5.671054
KCNJ6	ENSG00000157542	0.534418	-1.9009	2.464664	0.024339	0.039087	-3.53231	1.18244	1.631689	1.62731	2.021307	1.864131	1.993763	1.816207	1.901414	1.777424	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ETS2	ENSG00000157557	-0.43464	5.082966	-7.95455	3.26E-07	2.11E-06	6.411319	4.615318	4.463121	4.547936	4.190466	4.051057	4.293939	4.4712	4.019913	4.355908	6.169215	6.191511	6.335768	5.810235	5.754024	5.781349	5.757061	5.825159	5.769665
LCA5L	ENSG00000157578	-0.05821	1.503412	-0.27984	0.782882	0.819414	-6.58621	2.568952	2.425906	2.600444	2.21912	1.768674	2.22781	2.724622	2.147141	2.274723	1.199504	1.616737	1.49011	1.711947	1.622273	1.992654	1.599785	1.581179	1.81044
SLC35B2	ENSG00000157593	0.290252	6.970667	4.185753	0.000588	0.001414	-1.43271	7.024309	6.991042	6.982762	7.237807	7.280693	7.293751	7.461157	7.484831	7.501464	6.656198	6.558479	6.591856	6.922965	6.868744	6.905894	6.687327	6.667352	6.574316
TMEM164	ENSG00000157600	-0.53742	5.961801	-10.9407	3.03E-09	4.52E-08	11.22346	6.457941	6.459902	6.45902	5.966346	5.981675	5.940258	6.751579	6.79778	6.768335	5.800109	5.804708	5.616386	5.188526	5.128506	5.2032	5.859209	5.798808	5.78729
MX1	ENSG00000157601	-0.48887	4.136306	-5.90086	1.56E-05	5.83E-05	2.370163	1.681202	1.81559	1.499186	1.519216	0.92021	1.575618	1.240874	1.301009	1.171446	7.491066	7.560392	7.53894	6.981204	7.060326	7.116409	8.100405	8.23195	8.242017
CREB3L1	ENSG00000157613	0.96186	0.118482	3.119725	0.006078	0.01133	-2.45548	0.318509	0.316291	0.512639	1.104644	1.373859	1.475193	1.240874	1.001115	1.314712	1.199504	1.300837	1.061592	1.248697	1.120667	1.355599	1.833493	1.67689	1.504318
C2CD2	ENSG00000157617	-0.54682	4.761363	-7.35269	9.54E-07	5.26E-06	5.424792	5.160214	5.018804	5.037516	4.254996	4.447623	4.178918	4.944941	4.759705	4.831463	4.98955	5.000678	4.968042	4.612964	4.561635	4.712374	5.168285	5.015283	5.033946
TAB3	ENSG00000157625	0.818002	6.058888	6.679656	3.36E-06	1.55E-05	3.896616	5.240453	5.144404	5.347631	5.529135	5.419464	5.683212	5.672555	5.5324	5.54523	6.26025	6.356686	6.297442	7.38312	7.381881	7.42771	6.430279	6.42815	6.426093
SLC38A10	ENSG00000157637	0.660123	7.175607	10.20909	8.69E-09	1.06E-07	9.980516	6.740277	6.611798	6.777125	7.496077	7.567102	7.440793	6.905069	6.84932	6.97662	6.886603	7.053015	7.171923	7.638245	7.550398	7.561566	7.412245	7.402865	7.309837
C9orf43	ENSG00000157653	-1.0322	0.080614	-3.63082	0.001989	0.004186	-1.38041	1.681202	1.551021	1.853768	0.841981	0.828511	1.055701	0.670238	1.301009	0.925731	1.116489	1.190799	0.958181	0.701742	0.550009	1.08859	1.214313	1.024588	1.273688
ZNF618	ENSG00000157657	0.951315	1.76942	2.984401	0.008141	0.01469	-2.72048	4.85081	4.905754	4.799861	5.740289	5.723018	5.719334	5.850398	5.798247	5.763904	0.483018	0.106501	0.34382	0.656707	0.416769	0.812339	0.393424	0.433238	0.497646
TMEM268	ENSG00000157693	-0.33172	5.23698	-5.55528	3.16E-05	0.000108	1.783732	5.729467	5.765816	5.794633	5.396478	5.431202	5.451761	5.95585	5.830848	5.729151	5.079966	5.022258	5.049965	4.821167	4.608219	4.76248	4.862412	4.857415	4.853297
UBN2	ENSG00000157741	-0.28751	4.960763	-3.26818	0.004402	0.008481	-3.16729	5.230664	5.188404	5.284248	4.778495	4.720591	4.76722	5.272444	5.093515	5.087374	5.185557	5.235883	4.850228	4.931624	4.947106	4.950015	4.931237	4.683969	5.011626
BRAF	ENSG00000157764	0.161318	5.042813	2.561464	0.019929	0.032682	-4.63173	5.220808	5.24399	5.16615	5.359221	5.334513	5.525804	5.356409	5.364416	5.261087	4.886838	4.97047	4.850228	5.027605	4.997558	5.009321	4.691084	4.555551	4.7671
PSMG3	ENSG00000157778	-0.56885	6.206943	-11.3627	1.69E-09	2.82E-08	11.80306	7.240532	7.096948	7.196673	6.576757	6.700177	6.608517	6.810654	6.933604	6.954907	5.866711	5.665936	5.901803	5.250459	5.211312	5.262439	5.65393	5.54346	5.659138
WDR19	ENSG00000157796	0.391476	4.168903	2.71582	0.014428	0.024496	-4.17621	4.339825	4.511888	4.526184	4.40878	4.071202	4.170914	4.143751	3.988732	4.198517	4.065562	4.066685	3.914651	4.873768	4.797675	4.725907	3.793775	3.93605	3.992166
SLC37A3	ENSG00000157800	0.847012	5.586166	12.22071	5.42E-10	1.15E-08	13.00634	4.71698	4.778666	4.857612	5.869565	5.716638	5.775839	5.824425	5.758745	5.657027	5.44359	5.344801	5.41143	6.17308	6.026902	6.112827	5.859209	5.868037	5.936917
AP3S2	ENSG00000157823	0.716646	4.215078	7.544679	6.74E-07	3.92E-06	5.909962	4.399293	4.34846	4.441562	4.863733	4.720591	4.864722	4.568297	4.657666	4.849226	3.584041	3.654848	3.400153	4.450951	4.420842	4.488525	3.799922	3.910024	3.937965
FMNL2	ENSG00000157827	0.99975	6.098155	8.017932	2.92E-07	1.93E-06	6.498187	6.306192	6.399268	6.255944	7.427738	7.341046	7.5389	7.188262	7.075157	7.140673	5.170202	5.069663	4.98568	5.868176	5.816527	5.889024	4.986185	4.877699	4.910709
GAREM2	ENSG00000157833	-0.61328	1.52625	-2.83599	0.011184	0.019486	-3.12529	3.58303	3.248262	3.638424	2.97776	3.112982	2.924168	2.981245	3.122225	3.181386	1.199504	0.986408	1.061592	0.610222	0.837535	0.862212	1.354562	1.289746	1.461048
SPPL3	ENSG00000157837	0.330776	5.561964	5.703448	2.33E-05	8.22E-05	2.011159	5.337898	5.32203	5.429007	5.68113	5.557954	5.738416	5.726144	5.859858	5.848765	5.44359	5.417853	5.346363	5.786914	5.72965	5.692815	5.66576	5.502682	5.595534
RAB28	ENSG00000157869	-0.28717	4.239027	-4.7137	0.000187	0.000512	0.133189	4.245758	4.256058	4.195052	4.082842	4.120365	3.97338	4.283766	4.59002	4.396744	4.553726	4.490971	4.533928	4.183649	4.122289	4.265755	4.54135	4.451131	4.411295
PRXL2B	ENSG00000157870	0.440741	4.06644	3.645106	0.001928	0.004075	-2.13747	4.02189	4.006672	3.863273	4.784753	4.795153	4.761901	4.264577	4.212157	4.270596	3.926269	3.68898	3.853525	3.90909	3.890658	3.974116	4.222335	4.216457	4.129778
TNFRSF14	ENSG00000157873	1.526098	2.247466	14.31904	4.31E-11	1.76E-09	15.43914	2.392887	2.206444	2.514675	3.503067	3.517104	3.432575	3.115825	3.043491	3.199964	1.315703	1.467416	1.413989	2.727949	2.700737	2.730245	2.368215	2.315011	2.350536
PANK4	ENSG00000157881	0.17182	3.374824	1.894282	0.074858	0.10663	-5.46801	3.249862	3.61855	3.334887	3.503067	3.722109	3.689474	3.457463	3.384264	3.453254	3.246125	3.398501	3.507833	3.520276	3.401888	3.578659	3.691675	3.667508	3.805852
C12orf43	ENSG00000157895	-0.1094	5.034055	-2.03249	0.057585	0.084476	-5.61098	5.180696	5.007511	5.052811	5.082724	5.119213	4.997371	5.310366	5.241941	5.256657	5.170202	5.024933	5.007428	4.92689	4.922739	4.810905	5.184823	4.999943	5.12686
PEX10	ENSG00000157911	-0.18261	4.59661	-1.87553	0.077526	0.109991	-5.77798	5.297832	5.300601	5.469462	4.881362	4.982309	4.803913	4.926746	4.715948	4.674259	4.281009	4.260723	4.460144	4.441025	4.407733	4.492489	4.137495	4.323851	4.014786
RER1	ENSG00000157916	0.160999	6.704231	4.405599	0.000364	0.000925	-0.92291	6.97825	6.969865	6.926789	7.147206	7.141159	7.148463	7.12583	7.027369	7.084289	6.308968	6.353497	6.382287	6.470101	6.502222	6.467239	6.361285	6.289928	6.25614
RADIL	ENSG00000157927	0.71972	1.711823	2.295157	0.034345	0.053132	-4.23694	2.051128	2.534795	2.621113	3.714523	3.808643	3.405543	2.884002	2.801791	2.869505	1.52331	1.335727	1.696985	1.248697	1.203912	1.046067	1.482378	1.737342	1.461048
SKI	ENSG00000157933	0.033491	6.090988	0.455074	0.654658	0.705387	-7.61114	6.271602	6.461282	6.500048	6.573146	6.713055	6.564898	6.522384	6.450256	6.535834	5.550237	5.78275	5.783261	5.628298	5.530385	5.555558	5.876764	5.899792	5.847335
WIPI2	ENSG00000157954	0.486036	6.125731	7.442549	8.10E-07	4.59E-06	5.377073	5.897683	5.957964	6.013674	6.178467	6.230343	6.170452	6.169514	5.932665	5.920533	5.904318	5.924149	6.012415	6.659638	6.581215	6.599015	6.214835	6.166201	6.116712
LDLRAP1	ENSG00000157978	-0.18338	5.365795	-2.62067	0.017617	0.029238	-4.64035	5.071598	5.137514	5.123327	4.96641	4.894593	4.819357	4.411387	4.307901	4.534865	6.167928	6.029133	6.147827	6.050049	5.903146	5.936358	5.964211	5.889839	5.936917
AGAP1	ENSG00000157985	-0.28687	6.367811	-4.99452	0.000102	0.000302	0.397789	6.476008	6.594292	6.580083	6.176088	6.175571	6.293514	6.820543	6.629411	6.685063	6.320605	6.406768	6.422504	6.162044	6.169635	6.084218	6.377818	6.216176	6.356957
KRTCAP3	ENSG00000157992	0.397636	1.937364	4.758514	0.000169	0.000472	0.173583	0.41387	0.215206	0.598525	0.635873	0.389229	0.461789	0.548589	0.387194	0.925731	5.1779	5.1649	5.317056	5.626839	5.583812	5.603999	5.260328	5.331868	5.236778
PAFAH2	ENSG00000158006	-0.03304	4.85027	-0.49219	0.628713	0.682267	-7.46207	4.511345	4.452056	4.357835	4.440838	4.310303	4.365821	4.393833	4.547856	4.620106	5.483477	5.409689	5.47681	5.428457	5.468605	5.412251	5.194188	5.356168	5.037632
BABAM2	ENSG00000158019	-0.25954	5.569979	-2.3305	0.031986	0.049823	-5.15112	6.110133	6.228223	6.165618	5.650615	5.514478	5.562977	6.146113	6.032872	6.138455	5.228194	5.301333	5.39832	5.373851	5.419382	5.341488	5.102661	5.057388	5.070394
CFAP251	ENSG00000158023	-0.41798	3.422597	-3.19736	0.005136	0.009736	-3.13584	2.744313	2.966631	3.104764	1.688986	1.373859	1.840725	2.576877	2.777669	2.869505	4.92393	4.793538	4.771071	4.610014	4.592857	4.691833	5.02344	4.84029	5.01537
MRPL17	ENSG00000158042	-0.27973	6.219792	-5.1849	6.83E-05	0.000211	0.81856	6.658669	6.585458	6.601043	6.344419	6.362903	6.381113	6.278754	6.152593	6.157591	6.243231	6.181955	6.279679	5.98094	5.952125	5.895027	6.171633	6.08129	6.010044
DUSP2	ENSG00000158050	-1.22058	3.397881	-12.7135	2.90E-10	7.11E-09	13.84615	4.10996	4.177623	4.080323	2.91067	3.151334	3.168853	4.143751	4.138304	4.093134	3.97421	3.562131	3.834184	2.717023	2.627242	2.574402	3.658228	3.404065	3.477085
GRHL3	ENSG00000158055	0.639058	1.247603	3.92953	0.001031	0.002324	-1.44436	0.814199	0.410755	0.829201	0.395333	0.389229	0.106501	0.548589	0.387194	0.39151	3.980092	3.913441	3.905414	4.701546	4.645922	4.656936	4.147172	4.173346	4.280507
UBXN11	ENSG00000158062	0.335037	3.75392	4.458714	0.000324	0.000837	-0.43528	3.114469	3.196163	3.371944	3.503067	3.670226	3.485165	3.115825	3.178579	2.798137	4.641707	4.502533	4.389024	4.838914	4.642195	4.952895	3.98397	4.221756	4.087723
PTPDC1	ENSG00000158079	-0.23587	3.561061	-3.40159	0.003289	0.006523	-2.58326	3.562366	3.298545	3.62825	3.376187	3.170134	3.349911	3.747379	3.798055	3.528681	3.968304	3.953305	3.872611	3.663745	3.659519	3.767168	3.967679	3.929587	4.073428
GALNT14	ENSG00000158089	-0.0455	5.74104	-0.80798	0.429964	0.494946	-7.34046	5.628712	5.711177	5.724733	5.803295	5.661235	5.809741	6.122326	5.999368	5.972785	5.630966	5.581239	5.576204	5.481072	5.410647	5.493616	6.073551	6.075448	6.086777
NCK1	ENSG00000158092	0.169808	4.790271	3.322012	0.003914	0.007639	-3.04265	4.600191	4.864623	4.725456	4.809518	4.752128	4.869675	4.681143	4.603806	4.776822	4.883704	4.893523	4.902234	5.056064	5.133823	5.143946	4.783949	4.79123	4.910709
RHPN1	ENSG00000158106	0.910946	4.674068	12.71956	2.88E-10	7.07E-09	13.68621	3.27548	3.07157	3.334887	3.80351	4.13	3.828257	3.474265	3.250449	3.721038	5.42646	5.757239	5.496937	6.538415	6.452024	6.480274	5.750728	6.006502	5.791663
TPRG1L	ENSG00000158109	0.356186	5.637806	8.919981	6.41E-08	5.47E-07	8.035622	5.346988	5.416131	5.341417	5.746715	5.716638	5.794193	4.974767	5.068879	4.989319	5.970815	5.850665	5.96763	6.288285	6.23912	6.244416	5.733166	5.655395	5.689918
PRXL2C	ENSG00000158122	0.250377	3.890899	1.678427	0.111053	0.15113	-5.9266	4.473109	4.210824	4.294909	4.227693	4.020303	4.178918	4.339849	4.38177	4.216877	3.576295	3.569479	3.722908	4.241981	4.10073	4.311352	3.455083	3.297679	3.241681
XDH	ENSG00000158125	-0.60642	2.587817	-2.35875	0.03021	0.047279	-4.58168	3.603403	3.428416	3.565652	1.840866	2.193078	1.623325	1.389995	1.658879	1.873138	3.45483	3.365114	3.445469	3.318207	3.193633	3.429496	3.508614	3.256961	3.387478
XKR8	ENSG00000158156	-0.087	3.574845	-0.83038	0.417522	0.482653	-6.99951	3.114469	2.819419	2.933559	3.472378	3.426184	3.445903	2.981245	2.801791	2.981126	4.447347	4.390842	4.530928	4.211164	4.078843	4.228211	4.414877	4.258317	4.190648
CNNM4	ENSG00000158158	-0.37825	5.39444	-7.07013	1.61E-06	8.24E-06	4.766742	5.240453	5.285098	5.258094	4.759555	4.877535	4.864722	5.333571	5.306587	5.404147	5.978182	5.754018	5.87129	5.570287	5.518239	5.4817	5.789862	5.737233	5.717759
EYA3	ENSG00000158161	0.17382	5.07991	2.011437	0.05996	0.087573	-5.70251	4.252223	4.136747	4.174224	4.797189	4.813207	4.72957	4.980658	4.759705	4.626988	5.669698	5.639998	5.605019	5.704954	5.548415	5.547959	5.833967	5.68063	5.78729
DZIP1L	ENSG00000158163	0.06624	0.743862	0.202977	0.841497	0.868699	-6.44833	1.519087	1.118985	1.453818	1.933905	2.398361	2.064596	1.70672	1.605065	1.727075	1.278001	1.616737	1.305813	0.745413	0.986036	0.910419	1.419885	1.67689	1.115245
FANCC	ENSG00000158169	-1.32446	4.155269	-15.6672	9.97E-12	6.34E-10	17.18255	5.023273	4.992316	4.89628	3.753334	3.683372	3.678224	4.792514	4.696781	4.570996	4.497421	4.256177	4.53991	3.281595	3.152313	3.244428	4.55958	4.455636	4.335451
MRAS	ENSG00000158186	0.59362	1.766579	2.034807	0.057329	0.084152	-4.75174	3.183753	3.347134	3.148134	3.342644	3.151334	2.924168	2.545421	2.511284	2.616448	0.934589	1.112482	1.126631	2.28558	2.433888	2.220059	1.250674	1.368306	0.93723
WASF2	ENSG00000158195	-0.1742	7.223069	-1.81054	0.087438	0.122408	-6.28997	7.164589	7.149264	7.25817	6.534673	6.582305	6.60109	6.983449	7.073919	6.972573	7.391963	7.408381	7.410976	7.590029	7.563756	7.570032	7.660475	7.639538	7.64499
ABHD3	ENSG00000158201	-0.2415	4.378307	-2.08294	0.052235	0.077418	-5.40142	4.212988	4.190995	4.242513	4.424898	4.352066	4.610338	4.629578	4.45204	4.542164	4.85838	4.784095	4.760864	4.187612	4.220515	4.333621	4.422866	4.395944	4.461559
ESYT3	ENSG00000158220	0.067178	1.489191	0.389987	0.701258	0.748727	-6.70391	1.894617	2.068355	2.079636	1.256461	1.498102	1.919272	1.588238	1.301009	1.777424	2.243849	2.285719	2.055402	2.67247	2.363215	2.481722	1.903678	2.030948	1.844513
FAIM	ENSG00000158234	0.282981	3.692135	3.068274	0.006794	0.012523	-3.39978	3.373632	3.676739	3.39613	3.727576	3.796595	3.848471	2.832807	2.960209	3.254305	4.13575	3.997554	4.147939	4.234338	4.429515	4.394205	3.994729	4.094656	4.274271
TENT5B	ENSG00000158246	-0.57272	1.129822	-1.84281	0.082385	0.116053	-5.36639	1.927307	2.09705	2.138168	0.395333	0.625525	0.2349	0.269385	0.622068	0.256032	3.255856	3.414909	3.283783	3.24403	2.925848	3.308792	3.171932	3.009816	2.687355
COLEC12	ENSG00000158270	3.879375	-0.80648	6.677454	3.37E-06	1.55E-05	4.634464	1.519087	1.947501	1.585853	5.475981	5.63102	5.622881	3.617275	3.659726	3.783962	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RNF207	ENSG00000158286	0.630405	3.826835	4.409522	0.000361	0.000919	-0.43835	3.903656	4.036608	4.201929	4.132759	4.061165	4.218286	3.988671	4.009594	4.093134	3.591745	3.539861	3.325935	4.464081	4.344933	4.508238	3.366734	3.467897	3.519884
CUL4B	ENSG00000158290	0.18671	6.575033	2.514919	0.021946	0.035605	-4.9279	7.011979	7.100496	7.007503	7.081365	7.010339	7.154564	7.241986	7.366504	7.339143	5.876205	5.978976	5.865347	6.204712	6.278059	6.234982	5.886907	5.948551	6.067072
GPR153	ENSG00000158292	1.138894	3.259864	4.93351	0.000116	0.000339	0.698353	1.894617	2.039077	1.888281	4.122913	4.167908	3.982555	1.917967	1.988058	1.826075	3.77884	3.872445	3.919248	4.650776	4.446707	4.688381	4.450484	4.395944	4.376785
SLC13A3	ENSG00000158296	0.668889	0.436023	6.019429	1.23E-05	4.74E-05	3.015312	0.106501	0.106501	0.219246	0.258133	0.389229	0.2349	0.106501	0.106501	0.256032	4.252132	3.997554	4.246333	4.74791	4.704269	4.79815	3.756329	3.967936	3.761956
GPRASP2	ENSG00000158301	0.568798	2.999932	7.024697	1.75E-06	8.85E-06	5.14257	2.949211	2.90305	3.075109	3.425084	3.34578	3.377995	3.33403	3.462004	3.162566	2.650221	2.865607	2.845681	3.288992	3.536446	3.263113	3.290193	3.204393	3.228839
AUTS2	ENSG00000158321	0.205009	-1.95586	0.859471	0.401715	0.46711	-5.77736	1.642349	1.744817	1.744977	1.578054	1.953662	2.164723	1.240874	1.549165	1.50602	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
H2BC5	ENSG00000158373	0.962212	3.49269	12.54348	3.59E-10	8.32E-09	13.58471	2.526909	2.576149	2.469799	3.57705	3.602632	3.643939	2.102195	2.676938	2.560038	4.217694	4.013804	4.220495	4.955062	5.009177	5.034009	4.271827	4.088867	4.136669
CDC25C	ENSG00000158402	-2.21301	1.6491	-7.58177	6.30E-07	3.69E-06	6.317332	2.744313	2.853456	2.514675	1.688986	1.612488	1.475193	2.340763	2.511284	2.560038	2.650221	2.590228	2.766268	1.121891	1.203912	0.404558	2.539649	2.799093	2.419973
H4C8	ENSG00000158406	1.963321	2.912438	21.51745	5.07E-14	1.32E-11	22.13142	1.336422	1.670392	1.453818	3.142765	3.112982	3.306732	2.576877	2.255906	2.127218	3.216534	3.390227	3.187996	5.119672	4.979952	4.99542	3.678389	3.68296	3.716682
MITD1	ENSG00000158411	-0.23254	4.445236	-2.28431	0.035101	0.054171	-5.05793	4.921476	4.83937	4.777019	4.245952	4.030628	4.30129	4.348988	4.61746	4.404775	4.464232	4.536672	4.63239	4.534231	4.657043	4.660464	4.458278	4.395944	4.4056
EIF5B	ENSG00000158417	-0.30327	7.98244	-9.91996	1.34E-08	1.51E-07	9.482723	8.191906	8.234963	8.247698	7.884889	7.889874	7.985894	7.900906	7.87987	7.94932	8.166542	8.144148	8.092149	7.834888	7.816521	7.849663	7.885629	7.893492	7.942074
RIBC1	ENSG00000158423	1.396809	0.46338	5.370203	4.63E-05	0.000151	2.172228	1.010037	1.327092	1.088647	1.393812	1.768674	2.064596	0.670238	1.367163	1.0941	0.54782	1.07167	1.277453	1.935792	1.846087	2.07955	1.099384	0.975239	1.170016
CNOT11	ENSG00000158435	0.144498	6.447025	3.344525	0.003726	0.007302	-3.23616	6.384797	6.494017	6.407897	6.576757	6.426835	6.445565	6.400221	6.448347	6.293548	6.354963	6.349235	6.47808	6.622793	6.58316	6.631735	6.478027	6.481037	6.49609
TSPAN33	ENSG00000158457	1.190834	1.656911	3.904185	0.001091	0.002442	-0.91112	3.593253	3.647938	3.533304	4.944216	4.911451	5.041937	3.523527	3.122225	3.557782	1.028404	0.748206	1.027938	0.701742	0.837535	0.812339	0.789161	0.871168	0.409347
NRG2	ENSG00000158458	1.273859	-1.20104	3.851332	0.001225	0.002703	-0.83206	2.080492	1.744817	1.987129	3.06262	3.073582	3.016392	2.752438	2.357042	2.408535	0.106501	0.106501	0.106501	0.234608	0.106501	0.106501	0.106501	0.106501	0.214669
AHCYL2	ENSG00000158467	0.74796	5.512615	4.467241	0.000318	0.000823	-0.57858	5.985675	5.967708	5.939499	7.207846	7.077854	7.208345	6.14086	6.030322	6.133632	4.61171	4.627471	4.595532	4.667899	4.707838	4.755899	4.777733	4.773297	4.72199
B4GALT5	ENSG00000158470	-0.20239	7.148039	-1.99625	0.061727	0.089873	-5.98473	6.707715	6.630321	6.63065	6.530955	6.669124	6.745516	6.357843	6.32478	6.367315	7.809099	7.821131	7.766742	7.528865	7.447403	7.447245	7.989802	8.026243	8.070436
SPATA2	ENSG00000158480	-0.1791	5.441583	-2.2729	0.035913	0.055239	-5.27905	5.45743	5.455446	5.525355	5.041505	5.034541	4.992837	5.262806	5.136826	5.211591	5.614043	5.533197	5.795814	5.664294	5.677811	5.643753	5.926779	5.856159	5.740557
FAM86C1P	ENSG00000158483	0.00268	4.03341	0.035173	0.972341	0.977009	-7.45324	3.729242	3.976101	3.987862	3.503067	3.517104	3.689474	3.238915	3.40015	3.323715	4.696324	4.595438	4.657367	4.769223	4.746531	4.842308	4.598895	4.530146	4.515429
DNAH3	ENSG00000158486	1.231454	0.876476	10.75263	3.95E-09	5.60E-08	11.234	0.587539	0.875715	0.598525	1.022291	0.828511	1.123626	0.782422	0.915275	0.735084	1.964162	2.032826	2.038602	3.057395	3.223865	3.053703	2.494877	2.354144	2.350536
CPA2	ENSG00000158516	-2.3663	-1.19962	-3.86909	0.001178	0.002608	-0.8072	5.004246	5.084762	4.978671	2.766336	2.520598	2.557474	1.240874	1.367163	1.314712	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TSR2	ENSG00000158526	-0.35177	6.079514	-7.30959	1.03E-06	5.64E-06	5.143451	6.323181	6.37604	6.318974	5.930104	5.806499	5.892383	6.202659	6.225736	6.188155	6.259041	6.181955	6.191231	5.997966	5.904702	5.958022	5.968311	6.115856	5.987349
PPP1R9A	ENSG00000158528	-0.09142	3.605731	-1.0798	0.294908	0.356478	-6.78156	3.325391	3.310847	3.359697	3.408969	3.278066	3.26222	2.637802	2.916694	2.846105	4.382206	4.68948	4.253631	4.279599	4.24529	4.460466	4.127753	4.151298	4.292899
ZC3H18	ENSG00000158545	-0.33749	6.502702	-7.20918	1.24E-06	6.60E-06	4.890421	5.946343	6.059873	6.065492	5.733834	5.910785	5.872779	6.232593	6.090306	6.101877	7.175787	7.171822	7.262883	6.811174	6.750852	6.757308	7.132479	7.167755	7.11946
ZFAND2B	ENSG00000158552	-0.04935	4.335674	-0.51672	0.611825	0.667706	-7.31209	4.445163	4.406929	4.662041	3.933121	4.081169	4.036412	4.174919	4.290959	4.243986	4.553726	4.411431	4.434686	4.653644	4.679032	4.688381	4.46216	4.584635	4.61255
GDPD5	ENSG00000158555	0.159625	3.061857	0.577157	0.571194	0.63022	-7.056	1.286899	1.465573	1.453818	3.441022	3.457132	3.485165	2.412257	2.481727	2.643847	4.323269	4.247042	4.096105	3.850304	3.724396	3.81227	4.345124	4.508628	4.317368
DYNC1I1	ENSG00000158560	1.085568	1.820383	13.14618	1.70E-10	4.83E-09	14.37345	0.587539	0.736739	0.421314	1.104644	1.437317	1.055701	0.983587	0.915275	1.244857	3.411958	3.463043	3.419749	4.404034	4.442428	4.346819	4.199264	4.111883	4.163911
TMED4	ENSG00000158604	-0.30642	7.075274	-2.84873	0.010885	0.019032	-4.31998	7.969628	7.952413	7.935426	7.277181	7.24012	7.211275	7.598721	7.563651	7.577141	6.571074	6.600329	6.631611	6.723813	6.706935	6.72229	6.439169	6.474393	6.373096
PPP1R15B	ENSG00000158615	-0.69591	7.494334	-5.79691	1.92E-05	6.96E-05	2.023408	8.630127	8.632365	8.63862	7.599991	7.518414	7.565093	8.424686	8.367357	8.420033	7.033133	6.985272	7.003584	6.707345	6.751716	6.740739	6.702994	6.630969	6.715639
COPG2	ENSG00000158623	-0.48708	5.142095	-6.37979	6.01E-06	2.55E-05	3.542928	6.674401	6.684506	6.545359	5.98549	6.049244	6.062107	5.83422	5.896721	5.848765	4.451587	4.353024	4.441093	4.028794	4.200384	4.21867	3.917673	4.156841	4.157149
EMSY	ENSG00000158636	0.829925	3.925727	9.574589	2.27E-08	2.31E-07	9.372163	2.780548	2.748839	3.176339	3.988393	3.912781	4.10523	3.904396	3.698786	3.808383	4.082065	4.190981	3.977706	4.709837	4.753456	4.667494	4.758922	4.596923	4.698895
PAGE5	ENSG00000158639	0.210076	1.274794	5.355654	4.78E-05	0.000155	1.283056	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	6.729612	6.780495	6.803683	7.001607	7.012058	6.913307	6.675674	6.727265	6.706405
GPAT4	ENSG00000158669	0.428191	6.830703	4.475383	0.000313	0.000811	-0.79055	6.179621	6.160165	6.117333	6.897233	6.867902	6.958108	7.086758	7.092371	7.151451	6.855742	6.805602	6.85016	6.992575	6.947096	7.029726	7.064529	7.091648	7.046321
ZSCAN12	ENSG00000158691	0.14655	3.355235	1.536759	0.142258	0.187783	-6.11103	2.688195	2.950996	2.579475	3.020814	2.737798	2.825643	3.315502	2.916694	3.323715	3.944434	4.181422	4.063257	4.15964	4.220515	4.213876	3.967679	3.955266	4.066226
TAGLN2	ENSG00000158710	-0.31336	9.216605	-4.22505	0.000539	0.001313	-1.52393	8.985326	8.952713	8.959135	8.29317	8.405814	8.377975	9.097948	9.020982	9.117812	9.652247	9.592127	9.600772	9.521562	9.552259	9.546357	9.719784	9.770943	9.779653
ELK4	ENSG00000158711	-0.82201	6.260409	-15.1735	1.68E-11	9.05E-10	16.52892	7.054218	6.993906	7.057645	6.137487	6.11136	6.21978	6.424199	6.562162	6.464636	6.376307	6.347099	6.280572	5.662871	5.60119	5.495593	6.056963	6.051838	6.154551
SLC45A3	ENSG00000158715	-0.96427	3.126869	-10.7096	4.20E-09	5.87E-08	11.15455	2.589523	2.76681	2.681399	2.325974	2.429905	1.956998	3.050103	2.753138	2.376228	4.493314	4.521599	4.533928	3.501296	3.487446	3.556108	4.258497	4.173346	4.268007
DUSP23	ENSG00000158716	0.68443	3.573814	6.706823	3.19E-06	1.48E-05	4.225819	2.320899	2.655462	2.758051	2.933382	3.093416	2.374422	2.545421	2.255906	1.962896	4.517783	4.655361	4.773612	5.391139	5.438844	5.3633	5.036515	4.729324	4.582581
RNF166	ENSG00000158717	-0.08285	3.284451	-0.89335	0.383808	0.448476	-6.79996	3.300651	3.439663	3.477724	3.20008	3.362223	3.535905	2.752438	3.002451	3.218306	3.528929	3.761343	3.680217	3.623353	3.495729	3.571181	3.651445	3.713375	3.466183
NBL1	ENSG00000158747	0.063044	2.584279	0.384998	0.704884	0.752203	-6.85564	2.850396	2.693541	2.399755	2.97776	3.073582	2.865864	2.908934	2.938616	2.915195	2.817246	2.531245	2.422156	2.28558	2.686334	2.465679	3.39137	3.171908	3.364179
F11R	ENSG00000158769	-0.33121	5.902542	-2.51219	0.02207	0.035781	-4.94386	5.300954	5.306756	5.325763	4.052041	4.071202	4.226032	4.023335	4.212157	4.198517	7.420362	7.404792	7.415457	7.361356	7.368975	7.430812	7.2617	7.31634	7.265725
USF1	ENSG00000158773	-0.07392	5.888794	-1.76799	0.094514	0.13118	-6.22556	5.650902	5.734195	5.663779	5.67103	5.751385	5.622881	5.661594	5.447033	5.619566	6.313634	6.264627	6.314989	6.204712	6.197832	6.126922	6.098704	6.113007	5.998741
SPATA2L	ENSG00000158792	0.700685	4.199185	5.612408	2.81E-05	9.68E-05	2.064881	3.551922	3.58855	3.668523	4.694564	4.86605	4.696497	4.339849	3.967564	4.339245	3.991785	4.01918	4.34529	4.555854	4.381153	4.531543	4.650836	4.464605	4.411295
NIT1	ENSG00000158793	0.222153	5.307898	2.849982	0.010856	0.018993	-4.10522	5.670345	5.664009	5.497679	5.502803	5.600158	5.54451	5.452809	5.435516	5.530627	5.021274	4.942447	5.043664	5.481072	5.410647	5.489655	4.996928	5.009167	4.930673
DEDD	ENSG00000158796	0.534201	5.717197	6.262864	7.56E-06	3.12E-05	3.153916	5.334855	5.278849	5.328907	5.711012	5.8095	5.788972	6.323484	6.173542	6.236199	5.35583	5.334056	5.445288	5.988911	5.943067	5.908441	5.78677	5.852747	5.828306
ZNF276	ENSG00000158805	0.119745	4.935398	1.711452	0.104685	0.143464	-6.15654	4.42241	4.511888	4.606117	4.921675	4.836932	4.956049	4.7858	4.722281	4.807433	5.344475	5.23819	5.29777	5.318904	5.154897	5.243746	5.215041	5.217154	5.11644
NPM2	ENSG00000158806	0.704394	-1.19407	2.578302	0.019244	0.03165	-3.55417	0.106501	0.106501	0.106501	0.106501	0.25478	0.3528	0.269385	0.253663	0.256032	1.52331	1.369793	1.439812	1.446877	1.652223	1.923865	1.627702	1.368306	1.58715
EDA	ENSG00000158813	-0.05602	-2.04847	-0.25616	0.800822	0.834145	-6.09801	1.336422	1.849715	1.54317	1.519216	1.718467	1.310092	1.70672	1.430416	1.564539	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CDA	ENSG00000158825	-0.85743	2.784427	-8.4139	1.48E-07	1.09E-06	7.467424	1.642349	1.81559	1.358564	1.634586	1.718467	1.575618	1.588238	1.430416	1.620777	4.945135	4.799799	4.938912	3.970183	3.987816	3.985412	5.057193	5.095414	4.946447
PINK1	ENSG00000158828	0.631797	4.889959	10.09293	1.03E-08	1.22E-07	10.01475	4.25866	4.217373	4.345467	4.626508	5.094821	4.803913	4.245129	4.247712	4.243986	5.115138	5.069663	5.306568	5.86941	5.814873	5.723497	5.319295	5.391866	5.284099
B4GALT3	ENSG00000158850	-0.00138	6.294469	-0.03081	0.975768	0.979827	-7.78029	6.006859	6.015467	6.042692	6.159327	6.108926	6.102644	6.257073	6.271797	6.240692	6.508349	6.414949	6.61187	6.433023	6.401119	6.468246	6.577998	6.49314	6.529201
DMTN	ENSG00000158856	0.470492	3.149664	2.758496	0.013184	0.022583	-3.89684	3.337603	3.382531	3.322321	3.142765	3.073582	3.306732	2.226405	2.596487	2.560038	3.036317	3.278101	3.36689	3.965575	3.981932	3.904416	3.730814	3.636099	3.889829
FAM160B2	ENSG00000158863	0.362588	5.635419	6.690875	3.29E-06	1.52E-05	3.995206	5.665509	5.587707	5.605332	5.895822	5.921921	5.669075	5.55111	5.5324	5.523269	5.497899	5.459973	5.521329	6.020359	5.977484	5.898018	5.503845	5.629711	5.515842
NDUFS2	ENSG00000158864	-0.10752	7.691185	-2.12226	0.048384	0.07221	-5.7872	8.021173	8.034908	7.975104	7.782282	7.679627	7.767748	7.930125	7.838931	7.772098	7.537678	7.569123	7.569233	7.583276	7.595414	7.62343	7.464942	7.398192	7.429012
TOMM40L	ENSG00000158882	0.299606	4.451293	3.479097	0.002775	0.005621	-2.64303	3.520128	3.812706	3.736403	4.263984	4.204846	4.045196	4.528631	4.474723	4.428601	4.826087	4.821501	4.771071	5.036421	5.076992	4.863891	4.942395	5.045483	4.996553
MPZ	ENSG00000158887	-0.10562	2.790503	-0.44304	0.663169	0.713139	-6.67961	4.867751	4.742796	4.986657	5.020445	5.099733	4.960699	4.637058	4.569092	4.520155	2.243849	1.875739	1.969371	1.154653	1.16289	0.957066	1.512637	1.368306	1.416439
CCAR2	ENSG00000158941	-0.25425	7.748138	-4.31601	0.000442	0.001099	-1.23616	7.583982	7.563278	7.605392	7.050532	7.135191	7.059135	7.190806	7.182398	7.163334	8.298031	8.235894	8.347941	8.225434	8.244655	8.231935	8.192363	8.161654	8.126468
CACHD1	ENSG00000158966	0.582498	-0.83892	3.135548	0.005873	0.010988	-2.31766	3.325391	3.298545	3.217639	3.921807	3.784444	3.91707	3.388228	3.232814	3.289427	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CDC42SE2	ENSG00000158985	0.838832	6.07714	14.36474	4.10E-11	1.69E-09	15.6154	5.476884	5.361002	5.344527	6.190301	6.101599	6.068583	6.073542	6.273954	6.164702	5.785068	5.803151	5.849781	6.657496	6.721134	6.754835	6.373703	6.401545	6.399121
RAPGEF6	ENSG00000158987	-0.13707	3.016838	-1.47114	0.159029	0.207195	-6.00386	3.19722	3.100202	3.029452	3.376187	3.033076	2.980206	3.178682	3.477062	3.271973	3.196464	3.439177	3.077191	3.074617	2.950162	3.021143	3.366734	3.2466	3.432977
EPB41	ENSG00000159023	0.497412	5.354926	7.432289	8.25E-07	4.65E-06	5.463976	4.880328	4.830853	4.600923	5.468225	5.503402	5.451761	5.228555	5.335791	5.291723	5.24783	5.40559	5.341234	5.668554	5.603108	5.763416	5.881119	5.744615	5.809023
MIS18A	ENSG00000159055	-1.21711	3.960377	-7.17718	1.32E-06	6.95E-06	5.259243	4.02189	4.249682	3.995797	3.887325	3.6964	3.608819	3.976929	4.128801	3.796224	4.656475	4.641483	4.974681	3.296351	3.162755	3.157218	4.63373	4.609106	4.587619
ALG8	ENSG00000159063	-0.0461	6.073971	-0.96206	0.349144	0.413337	-7.29865	5.596044	5.683061	5.494882	5.762655	5.423388	5.708315	5.570773	5.450851	5.574002	6.686194	6.666063	6.721856	6.63082	6.56851	6.579581	6.559094	6.49533	6.580647
FBXW5	ENSG00000159069	1.380924	6.834957	14.45543	3.70E-11	1.58E-09	15.67772	6.134836	6.168638	6.403429	7.876856	8.027684	7.770399	7.137744	6.955272	7.080534	5.91203	6.06076	6.143905	7.162277	7.097538	7.163167	6.875179	6.781204	6.534429

CFAP298	ENSG00000159079	-0.5592	3.553587	-4.46896	0.000317	0.000821	-0.21805	4.363907	4.262405	4.222364	3.237064	3.31232	3.231764	3.788265	3.84524	3.808383	3.716784	3.562131	3.555853	3.507651	3.487446	3.404467	3.678389	3.595851	3.631427
SYNJ1	ENSG00000159082	0.1208	4.155692	0.803475	0.432492	0.497134	-7.04945	3.836399	3.59862	3.544167	4.190466	4.376555	4.30129	4.673889	4.519046	4.444269	4.561593	4.506366	4.348702	4.218931	4.190213	4.302347	4.280646	4.232297	4.177341
PAXBP1	ENSG00000159086	-0.37372	5.249326	-7.23201	1.19E-06	6.36E-06	5.112592	5.391599	5.361002	5.284248	5.132645	4.960875	5.037542	5.347317	5.553863	5.256657	5.508112	5.51238	5.475251	5.083973	5.082502	5.095248	5.304237	5.451724	5.350812
IFNAR2	ENSG00000159110	0.158546	3.487244	1.530628	0.14376	0.189572	-6.023	4.059241	4.058659	4.042515	4.416862	4.310303	4.386706	3.474265	3.633086	3.783962	3.246125	3.223257	3.283783	3.125084	3.320292	3.290693	3.032701	3.204393	3.291935
MRPL10	ENSG00000159111	-0.2204	6.295687	-3.81239	0.001334	0.002918	-2.18966	6.733361	6.654655	6.71719	6.236693	6.389218	6.337085	6.504093	6.417458	6.584368	6.275876	6.150456	6.214791	6.059811	6.194019	6.170875	6.008681	5.9786	6.039759
IFNGR2	ENSG00000159128	0.203544	5.741251	2.353499	0.030533	0.047763	-5.12841	6.355069	6.319327	6.311046	6.569526	6.418997	6.518342	6.000029	6.050595	5.975483	5.112462	5.123069	5.049965	5.231389	5.404061	5.365463	5.342644	5.426702	5.302602
GART	ENSG00000159131	-0.57241	7.396872	-8.60138	1.08E-07	8.41E-07	7.339569	7.481773	7.419448	7.446551	6.648861	6.541374	6.665172	6.711398	6.863714	6.820294	8.125999	8.051753	8.036648	7.724994	7.653948	7.716612	7.82588	7.747735	7.831213
SON	ENSG00000159140	0.097024	8.334291	1.62153	0.122804	0.16543	-6.6599	8.045573	8.02234	8.147519	8.386656	8.242765	8.472584	8.257619	8.351102	8.316359	8.485192	8.517147	8.344314	8.372597	8.340322	8.38931	8.456897	8.44518	8.507257
DONSON	ENSG00000159147	-0.65334	4.386835	-3.2447	0.004633	0.008883	-3.07251	4.393455	4.527784	4.58523	4.797189	4.58706	4.793524	4.384974	4.637703	4.388669	4.721121	4.815334	4.830842	3.557503	3.68147	3.462206	4.723786	4.683969	4.712796
LAD1	ENSG00000159166	0.347261	2.805096	5.577935	3.01E-05	0.000103	1.670939	0.216396	0.316291	0.421314	0.106501	0.389229	0.2349	0.269385	0.253663	0.39151	7.80786	7.767036	7.826995	8.199664	8.148444	8.145517	8.314673	8.286388	8.21541
STC1	ENSG00000159167	-1.06202	1.207415	-3.09153	0.006461	0.011979	-2.44714	5.487883	5.632501	5.600136	4.720913	4.352066	4.751204	6.122326	5.885479	6.02321	0.190076	0.330605	0.288049	0.171976	0.106501	0.106501	0.257084	0.637375	0.659518
CSRP1	ENSG00000159176	0.487013	8.417468	3.28373	0.004255	0.008231	-3.47961	9.159674	9.109913	9.153671	9.194961	9.28077	9.212681	10.03752	9.97543	10.00346	6.895967	6.862788	6.851363	7.812927	7.815281	7.836078	7.442032	7.493284	7.480706
HOXB13	ENSG00000159184	-0.14211	-1.09917	-0.8055	0.431352	0.496183	-5.9066	3.300651	3.057038	3.176339	3.083078	2.991399	3.016392	2.933443	2.825515	2.798137	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ATP5MC1	ENSG00000159199	-0.68462	6.218627	-11.417	1.57E-09	2.67E-08	11.87405	7.238091	7.184788	7.178485	6.377922	6.42096	6.358386	6.959782	6.984545	6.827779	5.943981	5.853677	6.004866	5.411614	5.445273	5.389047	5.55381	5.562382	5.637437
RCAN1	ENSG00000159200	0.65376	4.234851	6.045027	1.17E-05	4.54E-05	3.013439	4.369865	4.150501	4.195052	4.59836	4.720591	4.702062	4.864381	5.063901	5.265504	3.552807	3.486521	3.567612	4.301707	4.230476	4.398437	3.98397	4.094656	4.157149
UBE2Z	ENSG00000159202	-0.43436	7.21458	-8.65402	9.92E-08	7.83E-07	7.454871	7.432096	7.472429	7.406928	6.776816	6.801626	6.904811	7.059182	7.077629	7.153836	7.477615	7.425185	7.45754	7.17431	7.190406	7.146911	7.364307	7.360852	7.362227
CIART	ENSG00000159208	0.248085	0.495824	1.982899	0.06332	0.091943	-5.36055	0.318509	0.215206	0.219246	0.258133	0.106501	0.106501	0.269385	0.106501	0.256032	3.87036	3.936355	4.083875	4.431031	4.288839	4.062102	4.382472	4.391248	4.286716
SNF8	ENSG00000159210	-0.06035	5.947399	-1.20464	0.244402	0.302198	-6.97106	6.304638	6.326918	6.239328	6.171319	6.358812	6.25428	6.259498	6.232407	6.369368	5.737245	5.570294	5.692199	5.585386	5.637204	5.519102	5.86068	5.667096	5.710849
CCDC24	ENSG00000159214	0.772375	2.406432	4.615321	0.000231	0.000619	0.330937	3.041689	3.100202	3.24453	3.456785	3.531716	3.168853	2.667326	2.290412	2.274723	2.100009	1.922393	2.055402	3.18974	2.950162	2.99902	1.85727	2.274787	2.200755
RUNX1	ENSG00000159216	0.153855	6.908446	1.729683	0.101306	0.139411	-6.40908	6.692344	6.649821	6.781722	6.600012	6.592794	6.634942	5.95585	5.882654	6.043926	7.234789	7.353576	7.338185	7.673291	7.616457	7.646295	7.27445	7.322519	7.298359
IGF2BP1	ENSG00000159217	-0.09448	-0.98126	-0.25211	0.803899	0.836922	-6.19365	3.385444	3.248262	3.044832	3.21869	3.188693	3.26222	2.340763	2.324112	2.34318	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.214669
CBR1	ENSG00000159228	0.428174	6.325034	3.038956	0.007238	0.013249	-3.84042	6.035255	6.07618	6.080495	7.074996	7.147102	6.912032	6.952306	6.886449	6.830763	5.918171	5.938407	6.126123	5.911951	5.813217	5.91584	6.269019	6.19208	6.120193
CBR3	ENSG00000159231	0.153364	1.684522	0.62432	0.540482	0.601413	-6.41801	2.296082	2.819419	2.848472	2.21912	3.073582	2.885561	2.696258	2.728183	2.616448	1.116489	1.265082	1.360915	1.336984	1.462417	1.456457	2.154563	2.078458	2.091498
AC005041.	ENSG00000159239	0.384653	1.689446	2.194224	0.042	0.063598	-4.93024	0.587539	1.173893	1.888281	1.457877	1.2379	1.422231	0.782422	0.253663	0.925731	3.367773	3.447177	3.519989	3.783794	3.772912	3.849837	3.478269	3.595851	3.444131
MORC3	ENSG00000159256	-0.08056	4.979123	-1.36659	0.189077	0.240965	-6.66377	4.820675	4.872944	4.786199	4.619522	4.551652	4.819357	4.723921	4.814082	4.745547	5.349028	5.481554	5.41143	5.333285	5.338797	5.459595	5.168285	5.098298	5.084719
CHAF1B	ENSG00000159259	-1.82706	4.195269	-8.7326	8.71E-08	7.05E-07	8.032852	4.945613	4.925889	4.904734	4.009923	3.709312	3.964146	3.814892	4.282412	4.270596	5.021274	4.956526	5.101431	2.921223	2.925848	2.858649	4.850615	4.857415	4.869935
SIM2	ENSG00000159263	-0.11397	1.385746	-0.46092	0.650538	0.701834	-6.24832	4.905158	5.030008	5.079193	4.701197	5.019069	4.874612	4.80585	4.68386	4.700591	0.34397	0.259702	0.397516	0.46104	0.484926	0.263213	0.517985	0.504542	0.214669
HLCS	ENSG00000159267	-0.01817	5.193116	-0.26364	0.795144	0.829688	-7.5756	5.004246	4.941796	5.075454	5.190356	5.138434	5.280077	5.203583	5.164994	5.010523	5.346754	5.27236	5.408164	5.164598	5.18338	5.212843	5.469547	5.619709	5.518482
ARHGAP27	ENSG00000159314	-0.03329	4.714267	-0.15414	0.879261	0.901347	-7.60681	4.776503	4.658672	4.74442	3.162124	3.457132	3.136338	3.352323	3.250449	3.421943	5.475171	5.53695	5.594999	5.9855	5.90936	5.968021	6.016621	6.009569	5.77188
ADPGK	ENSG00000159322	-0.02989	6.684103	-0.57057	0.575551	0.633947	-7.63978	6.972388	7.025039	6.933002	7.016369	7.034907	6.974295	6.822184	6.853653	6.760534	6.467061	6.50104	6.433792	6.393252	6.386716	6.372547	6.580679	6.514889	6.535733
PTMS	ENSG00000159335	0.746008	7.087237	10.80466	3.67E-09	5.33E-08	10.88636	6.797761	6.781615	6.707559	7.330558	7.435371	7.344449	6.961273	6.834781	7.053973	6.691581	6.621691	6.682517	7.53743	7.579915	7.441618	7.244336	7.432877	7.292971
ADIPOR1	ENSG00000159346	-0.16541	7.555025	-3.80713	0.00135	0.002948	-2.31511	7.929849	7.894843	7.867853	7.853973	7.817188	7.77964	7.983914	7.932709	7.941061	7.401857	7.365233	7.421544	7.155211	7.133814	7.156312	7.169748	7.171868	7.160613
CYB5R1	ENSG00000159348	0.780571	5.246298	13.17995	1.63E-10	4.68E-09	14.28807	5.125418	5.227863	5.071705	6.009737	5.979012	6.029279	5.650549	5.698992	5.709835	4.645413	4.716207	4.69538	5.396285	5.284851	5.328241	4.897235	4.784083	4.918728
PSMD4	ENSG00000159352	-0.36857	8.162352	-6.4122	5.64E-06	2.41E-05	3.215365	8.647092	8.649417	8.656877	8.09022	8.036036	8.097253	8.342426	8.35008	8.433343	8.114012	8.047484	8.095961	7.926367	7.908192	7.912778	7.953726	7.890999	7.865323
ATP13A2	ENSG00000159363	-0.17104	6.030319	-1.90715	0.073074	0.104414	-6.01097	5.734094	5.76358	5.743707	5.935739	6.026211	5.935541	5.931722	5.7054	5.830996	6.487853	6.427133	6.559097	6.184032	5.980438	5.977952	6.331888	6.241181	6.163014
PSMB4	ENSG00000159377	-0.08906	8.557588	-2.18635	0.042659	0.064523	-5.73275	8.722953	8.72978	8.722906	8.533712	8.550051	8.5269	8.683178	8.688445	8.709391	8.560243	8.437822	8.503916	8.490574	8.49578	8.522253	8.40188	8.371399	8.456866
BTG2	ENSG00000159388	-1.64884	3.819928	-5.26338	5.79E-05	0.000183	1.705211	7.533783	7.567129	7.482293	5.803295	5.589722	5.584228	5.840713	5.899518	5.889394	1.891119	1.725977	1.585733	1.838325	1.793303	1.801384	1.833493	1.851139	2.033602
HK2	ENSG00000159399	-0.49839	6.156931	-1.73004	0.101241	0.139349	-6.33032	4.363907	4.217373	4.320409	5.59472	5.72937	5.875244	5.060712	5.112925	5.036597	7.642463	7.876607	7.611028	6.487083	6.441343	6.413893	7.854219	7.892246	7.838628
C1R	ENSG00000159403	2.836871	3.085269	8.921345	6.40E-08	5.46E-07	8.533469	3.691678	3.759847	3.717332	6.650575	6.944977	6.790614	4.348988	4.474723	4.549426	1.388276	1.190799	1.219002	2.145912	2.169719	2.34809	1.809319	1.766644	2.174206
ALDH4A1	ENSG00000159423	0.112005	2.664247	0.494489	0.627119	0.681056	-6.90318	3.747663	3.568199	3.419917	2.91067	2.991399	2.865864	2.607661	2.220554	2.309357	2.763691	2.766797	2.228347	3.221013	3.173121	3.157218	2.679583	2.799093	2.629903
STARD9	ENSG00000159433	0.145007	1.381601	1.018589	0.322291	0.385521	-6.00702	3.128595	2.819419	3.119366	3.181227	2.970101	3.27721	2.981245	3.196885	2.798137	0.934589	1.029669	0.958181	1.018891	0.938214	1.17005	0.974502	0.924142	0.93723
THEM4	ENSG00000159445	-0.0348	5.177484	-0.61257	0.548049	0.607994	-7.37852	5.583279	5.612764	5.503257	5.316663	5.49969	5.384134	5.586312	5.550308	5.581106	4.772865	4.806033	4.925267	4.96664	4.863163	4.950015	4.964456	4.956102	5.123395
UBR1	ENSG00000159459	0.140183	5.458938	2.535679	0.021023	0.034257	-4.76145	5.362012	5.427474	5.387386	5.532858	5.423388	5.553773	5.616898	5.771015	5.616111	5.362601	5.493191	5.285361	5.45336	5.616464	5.526854	5.469547	5.405901	5.562649
AMFR	ENSG00000159461	-0.05495	6.787171	-1.30545	0.208665	0.262685	-6.95743	7.293996	7.210458	7.320316	7.321977	7.30535	7.263019	7.032487	7.001567	7.097974	6.468108	6.476823	6.532343	6.405214	6.352919	6.332194	6.368542	6.335861	6.302841
MED8	ENSG00000159479	0.04699	5.79289	0.858828	0.402061	0.467359	-7.31098	5.79071	5.916304	5.901987	5.815573	5.654575	5.862876	6.132946	6.136086	6.133632	5.565966	5.617135	5.599302	5.78299	5.722609	5.74193	5.783672	5.762906	5.834677
ISL2	ENSG00000159556	0.23651	-0.07133	0.738919	0.469764	0.53322	-5.98115	3.58303	3.273623	3.359697	3.815786	3.517104	3.620621	3.788265	3.698786	3.844255	0.106501	0.185134	0.16959	0.106501	0.190544	0.186984	0.183756	0.2791	0.315289
RSPRY1	ENSG00000159579	0.011987	6.239357	0.320652	0.752276	0.793385	-7.71745	6.384797	6.283884	6.230948	6.388234	6.348532	6.36892	6.108939	6.207795	6.208941	6.261458	6.2759	6.27789	6.266905	6.206689	6.239706	6.196311	6.193429	6.212776
GPBP1L1	ENSG00000159592	0.370377	6.022326	7.580066	6.32E-07	3.70E-06	5.627635	5.468578	5.460976	5.405371	5.612421	5.627623	5.584228	5.506885	5.506949	5.548858	6.366236	6.367264	6.382287	6.875848	6.85754	6.835855	6.432259	6.490947	6.509426
NAE1	ENSG00000159593	-0.55519	6.711943	-8.36301	1.61E-07	1.16E-06	7.005787	7.356844	7.342147	7.307621	6.781518	6.714657	6.749552	6.815607	6.911605	6.826285	6.668089	6.648825	6.640685	6.137669	6.167044	6.128197	6.546352	6.676065	6.659325
TMEM69	ENSG00000159596	-0.01246	5.267425	-0.20369	0.840951	0.868262	-7.64085	5.263039	5.113136	5.075454	5.0571	4.7142	5.006395	4.799197	4.664259	4.7071	5.730282	5.676181	5.685469	5.82048	5.801571	5.797461	5.513229	5.574859	5.528997
EFCAB14	ENSG00000159658	0.48749	6.900416	11.21424	2.07E-09	3.31E-08	11.4895	6.668371	6.515435	6.642071	7.105315	7.010339	7.112348	6.908164	6.79628	6.67015	6.844501	6.821843	6.77924	7.292644	7.34109	7.29555	6.918201	6.810517	6.902109
SPON2	ENSG00000159674	0.39546	-0.4887	1.257217	0.225216	0.280963	-5.79729	0.667115	0.499412	0.106501	0.258133	0.730585	0.3528	0.269385	0.387194	0.106501	1.490718	1.616737	1.820066	1.689764	1.946191	2.141451	1.708352	1.707432	1.973284
CHCHD6	ENSG00000159685	-0.87321	3.743524	-5.14541	7.43E-05	0.000228	1.223569	4.91334	4.917869	4.921495	3.359513	3.656958	3.445903	4.057185	3.946081	4.235006	3.651939	3.532361	3.819506	3.494914	3.375198	3.396027	3.508614	3.571152	3.631427
CTBP1	ENSG00000159692	0.048721	7.649105	1.01281	0.324967	0.388405	-7.36673	7.747369	7.753288	7.838919	7.755448	7.856893	7.715741	8.085141	7.876325	7.958215	7.228008	7.358886	7.449221	7.481228	7.45804	7.396846	7.713136	7.623111	7.5234
TPPP3	ENSG00000159713	2.79871	2.224592	13.06871	1.87E-10	5.15E-09	14.27032	1.475543	1.81559	1.78216	1.634586	2.155834	2.288255	0.782422	0.387194	0.735084	2.83033	2.958081	2.93917	5.952109	5.818179	5.794253	3.200096	3.337278	3.189613
ZDHHC1	ENSG00000159714	0.596207	3.479221	4.966091	0.000109	0.000318	0.90507	4.271448	4.17089	4.37619	4.681208	4.485643	4.72411	3.539581	3.956862	4.261781	2.693825	2.829342	2.660429	3.526548	3.445301	3.586098	2.639009	2.601856	2.830235
ATP6V0D1	ENSG00000159720	0.536561	7.347023	6.337541	6.53E-06	2.74E-05	3.132865	7.422095	7.390038	7.406928	8.245755	8.262062	8.220153	7.862335	7.786256	7.911072	6.839656	6.741183	6.869883	7.083646	6.999734	7.02289	6.850218	6.761326	6.747502
ZFYVE28	ENSG00000159733	1.183199	2.833277	7.611393	5.98E-07	3.53E-06	6.313247	3.454357	3.39414	3.648527	4.281793	4.782991	4.337497	4.143751	4.09991	4.380548	1.586365	1.777644	1.514616	2.717023	2.714997	2.846311	2.055273	2.054898	1.910335
CARMIL2	ENSG00000159753	-0.32914	2.494765	-4.02346	0.000839	0.001939	-1.34148	1.519087	1.591918	1.453818	0.934951	0.92021	1.055701	1.317361	1.367163	0.833554	4.652797	4.851948	4.92755	4.568067	4.501207	4.595601	4.793224	4.721863	4.661156
RGS12	ENSG00000159788	0.334368	4.300379	4.074988	0.000749	0.001752	-1.24399	4.758449	4.564207	4.641955	5.025739	5.059965	5.046319	4.520565	4.62424	4.444269	3.695491	3.913441	3.92383	4.085116	4.089828	4.150058	4.088113	4.140146	4.022248
PSKH1	ENSG00000159792	0.859287	5.891713	12.97918	2.09E-10	5.56E-09	13.9586	5.197545	5.291319	5.417238	6.323078	6.395223	6.37764	6.073542	5.827914	6.046494	5.604555	5.579421	5.589242	6.342612	6.165747	6.271199	6.037584	5.9786	5.996849
ZYX	ENSG00000159840	-0.03441	8.11257	-0.33035	0.74506	0.786824	-7.85705	8.636937	8.568802	8.717218	8.245188	8.4211	8.251327	9.001998	8.776281	9.018934	7.476055	7.296606	7.564839	7.791604	7.696341	7.673613	7.684764	7.676674	7.632246
ABR	ENSG00000159842	0.448827	6.571068	4.626185	0.000225	0.000606	-0.44475	5.975942	5.987002	6.050332	6.636803	6.743187	6.705903	6.205178	6.263136	6.164702	6.609528	6.590431	6.57229	6.920586	6.815145	6.83195	7.196207	7.153267	7.14873
LYPD5	ENSG00000159871	0.980093	0.880934	6.197215	8.61E-06	3.49E-05	3.618177	0.667115	0.736739	0.756332	0.742604	0.625525	0.461789	0.886508	0.509405	0.39151	2.650221	2.42184	2.638296	3.587808	3.614588	3.586098	2.597261	2.881762	2.419973
CCDC117	ENSG00000159873	-0.71214	5.635397	-10.4265	6.32E-09	8.14E-08	10.47066	5.636146	5.668796	5.552509	5.195063	5.1432	5.30954	5.69064	5.730749	5.725949	6.158881	6.111977	6.130093	5.184566	5.292003	5.246096	6.03498	6.05035	6.127131
ZNF230	ENSG00000159882	0.477406	2.236336	3.926257	0.001039	0.002338	-1.2154	1.719036	1.631689	1.358564	2.359902	2.193078	2.258349	2.446718	1.809233	2.165532	3.08079	3.055486	2.86487	3.353912	3.098942	3.299771	3.083983	3.081525	3.135595
CCDC107	ENSG00000159884	0.026572	3.853556	0.19582	0.84701	0.873476	-7.2284	4.505944	4.490417	4.288462	3.80351	4.1957	4.036412	4.445869	4.265167	4.578115	3.236329	3.390227	3.419749	3.714069	3.946112	3.727354	3.685048	3.800954	3.707454
ZNF222	ENSG00000159885	0.496345	1.589469	3.177268	0.005365	0.01013	-2.61311	1.791852	1.327092	1.667608	1.74141	1.909591	1.757653	2.058296	1.945386	2.202855	2.14259	2.115463	1.986992	2.343563	2.714997	2.559363	2.173627	2.146913	1.910335
NPR2	ENSG00000159899	0.044361	1.739909	0.43544	0.668573	0.718299	-6.76931	1.681202	1.551021	1.853768	1.74141	1.612488	1.880533	1.459147	1.760835	1.727075	2.605258	2.766797	2.510098	2.602951	2.627242	2.703134	2.334732	2.649824	2.668457
ZNF221	ENSG00000159905	0.306592	1.33236	2.45144	0.025009	0.04004	-4.191	1.12723	1.327092	1.146821	0.841981	1.087782	0.830331	0.983587	1.231675	1.0941	2.589954	2.714733	2.604447	3.157774	3.054776	2.965187	2.679583	2.696248	2.760563
ZNF233	ENSG00000159915	1.483638	-0.24918	4.87857	0.000131	0.000376	1.155649	0.318509	0.106501	0.421314	0.52061	0.512209	0.461789	0.782422	0.726566	0.39151	1.315703	1.616737	1.360915	2.566893	2.190279	2.544166	1.286141	1.67689	1.546329
ZNF235	ENSG00000159917	0.709666	2.662598	5.624332	2.74E-05	9.47E-05	2.347442	2.369288	1.947501	2.248556	2.291228	2.520598	2.288255	2.667326	2.568641	2.697131	2.966925	3.136872	3.093551	3.725018	3.976023	3.898452	3.281432	3.287607	3.215882
GNE	ENSG00000159921	-0.40302	4.788639	-3.63464	0.001972	0.004155	-2.29747	5.504227	5.531	5.497679	5.28169	5.419464	5.37022	5.071794	5.03875	5.179186	4.667452	4.5846	4.572373	3.95166	4.179969	3.824901	4.519164	4.437531	4.59264
ARHGAP35	ENSG00000160007	0.556571	6.537573	5.77357	2.02E-05	7.25E-05	2.021279	5.86008	5.827051	5.980067	6.854734	6.872214	6.861952	6.483493	6.297471	6.407834	6.633985	6.708278	6.586809	6.905626	6.799338	6.882672	6.67065	6.670262	6.670052
CALM3	ENSG00000160014	-1.46147	6.837797	-31.327	8.38E-17	3.98E-13	28.7627	7.025253	7.096948	7.025058	5.569568	5.565074	5.640377	7.274724	7.304545	7.264985	7.560431	7.497264	7.587758	6.152952	6.0857	6.061715	7.528795	7.582494	7.526683
DFFA	ENSG00000160049	-0.36588	6.404298	-9.24299	3.82E-08	3.56E-07	8.500709	6.307745	6.397828	6.252636	5.875441	5.791399	5.894815	5.900984	5.940834	5.980865	7.022485	6.991439	7.003043	6.767493	6.723781	6.646931	6.678179	6.743015	6.686583
CCDC28B	ENSG00000160050	0.299339	1.73743	2.108642	0.049688	0.074004	-4.75916	1.719036	1.708084	1.853768	1.393812	2.229385	1.669505	1.917967	2.184314	1.445026	2.356666	2.267764	2.25768	2.614772	2.657091	2.661487	2.625227	2.634012	2.442395
IQCC	ENSG00000160051	-0.65944	1.999695	-5.07463	8.63E-05	0.000259	1.344076	2.483604	2.232543	1.954926	2.21912	1.718467	1.575618	1.816207	2.357042	1.727075	3.058725	2.935512	2.826234	2.357702	2.307842	2.34809	2.807136	2.726388	2.830235
TMEM234	ENSG00000160055	0.340676	2.961098	3.69424	0.00173	0.003694	-1.87638	2.996191	2.819419	3.148134	3.342644	3.207016	2.998412	2.545421	2.290412	2.501332	3.385609	3.339557	3.225594	3.663745	3.606961	3.767168	3.324713	3.225651	3.279535
BSDC1	ENSG00000160058	0.103007	6.369289	1.794579	0.090036	0.125649	-6.25468	6.088617	6.059873	6.036935	5.918767	5.885412	5.930809	5.687041	5.58547	5.616111	6.967291	6.896042	6.866317	7.163787	7.216952	7.138081	6.599304	6.613939	6.722526
ZBTB8A	ENSG00000160062	0.332441	1.712192	2.31528	0.032983	0.051247	-4.32442	1.430644	1.81559	1.62731	1.888135	2.078331	2.064596	2.446718	2.184314	2.165532	2.204194	2.372288	2.004401	2.343563	2.381211	2.257813	2.095813	2.37332	2.374055
ATAD3B	ENSG00000160072	-0.58034	6.189707	-9.71196	1.84E-08	1.95E-07	9.290247	5.87482	5.883735	6.089793	5.540275	5.687572	5.418344	6.073542	6.00976	5.872122	6.764964	6.824917	6.920051	6.239488	6.071917	6.163434	6.832335	6.799927	6.731658
SSU72	ENSG00000160075	0.030402	6.979483	0.816271	0.425331	0.490446	-7.5067	6.835926	6.88602	6.834669	6.875407	6.829982	6.880476	6.984915	6.899082	6.913294	7.138139	7.036541	7.138805	7.151665	7.155542	7.141872	7.102328	7.034072	7.004551
UBE2J2	ENSG00000160087	-0.17503	5.808566	-2.07038	0.053524	0.079081	-5.6881	5.899743	5.969649	5.988045	5.404628	5.529116	5.522662	5.753932	5.9217	5.970082	5.716254	5.859683	6.025264	5.909553	5.970071	5.875427	6.044073	5.903094	5.769665
ZNF362	ENSG00000160094	0.876549	3.726087	14.46144	3.68E-11	1.58E-09	15.86195	2.744313	2.784561	2.776595	3.181227	3.295295	3.377995	2.412257	2.650616	2.643847	4.404248	4.540416	4.542892	5.503501	5.359369	5.354615	4.637167	4.683969	4.680149
NR2F6	ENSG00000160113	0.373136	5.799069	4.871538	0.000133	0.000381	0.162775	5.38573	5.533626	5.549817	5.72735	5.806499	5.602196	5.32896	5.259465	5.07736	5.865123	5.95393	6.113142	6.375122	6.46157	6.505013	6.295367	6.113007	5.927013
ANKLE1	ENSG00000160117	-0.3314	-0.03976	-1.32698	0.20159	0.254656	-5.63784	0.503316	0.736739	0.323815	0.52061	0.512209	0.909432	0.886508	0.824004	0.39151	1.865926	1.752042	1.915176	1.621093	1.282615	1.355599	1.708352	1.289746	1.58715
CCDC58	ENSG00000160124	-0.94297	4.570338	-12.7506	2.77E-10	6.86E-09	13.81266	5.173901	5.151261	5.075454	3.988393	4.1957	3.97338	4.528631	4.62424	4.542164	5.026968	4.995233	4.959141	4.249584	4.089828	4.302347	4.808549	4.829917	4.902646
VMA21	ENSG00000160131	-0.02428	6.429427	-0.43593	0.668227	0.717981	-7.67053	6.733361	6.727583	6.672095	6.504656	6.436573	6.549545	6.870582	6.964651	6.85441	6.014459	6.014403	6.065214	6.190958	6.186363	6.173346	6.330827	6.326052	6.431707
KALRN	ENSG00000160145	-0.38431	1.926215	-3.42502	0.003124	0.00624	-2.673	1.010037	0.661886	0.829201	0.841981	1.006428	1.250575	0.415731	0.622068	0.256032	4.842324	4.793538	4.806238	4.397206	4.429515	4.364231	4.640597	4.559742	4.75819
CILP2	ENSG00000160161	0.548474	1.49962	4.731052	0.00018	0.000497	0.552363	1.069823	0.582935	1.028027	1.393812	1.087782	0.984419	0.983587	1.082132	1.0941	2.635389	2.817048	2.974933	3.332595	3.410675	3.147195	3.462853	3.494411	3.352387
FAM86C2P	ENSG00000160172	0.196891	3.205878	2.22009	0.039901	0.060697	-4.98692	2.9807	2.870177	2.469799	3.06262	2.881616	2.980206	2.724622	2.389238	2.440135	3.812196	3.872445	3.900773	4.002038	4.022628	4.109334	4.098126	4.023613	4.122853
ABCG1	ENSG00000160179	-0.09911	1.666737	-0.16502	0.870824	0.893985	-6.37834	5.316463	5.39028	5.378308	5.004446	5.305047	5.118843	5.760796	5.506949	5.686969	0.54782	0.106501	0.54756	0.907968	0.837535	1.002253	0.183756	0.433238	0.106501
RSPH1	ENSG00000160188	1.743471	-0.27868	6.172109	9.05E-06	3.63E-05	3.716793	0.41387	0.875715	0.106501	0.635873	0.828511	0.909432	0.106501	0.253663	0.256032	1.704765	1.369793	1.333627	2.683738	2.657091	2.99902	1.419885	1.645686	1.222783
SLC37A1	ENSG00000160190	0.348784	4.77587	2.060932	0.054511	0.080356	-5.5997	4.532747	4.429669	4.59048	3.77864	3.832443	3.632327	3.953155	3.619579	4.112876	5.180457	5.142905	5.267448	5.983222	5.879602	5.979365	5.744367	5.701643	5.742817
PDE9A	ENSG00000160191	-0.92488	1.010485	-5.45401	3.89E-05	0.00013	2.313956	1.475543	1.744817	1.499186	1.393812	1.307481	1.250575	1.70672	1.491012	1.50602	2.056133	1.922393	1.986992	1.121891	1.282615	1.17005	2.055273	2.354144	2.003758
WDR4	ENSG00000160193	-0.64025	4.973484	-10.7243	4.11E-09	5.78E-08	10.9913	4.798758	4.751848	4.73022	4.062381	4.040879	4.30129	5.043928	5.150979	4.983968	5.643993	5.469823	5.55273	5.071159	4.859959	4.842308	5.761793	5.615689	5.740557
NDUFV3	ENSG00000160194	-0.25037	5.641005	-4.06977	0.000758	0.00177	-1.55396	5.682365	5.747832	5.727119	5.475981	5.387689	5.234723	5.494585	5.25073	5.537947	5.884069	5.818649	5.95761	5.733698	5.731404	5.709941	5.964211	5.795257	5.942826
PKNOX1	ENSG00000160199	0.128631	4.528551	1.927081	0.070385	0.100896	-5.71744	3.84498	4.12286	3.906009	4.161901	4.392653	4.249025	4.591583	4.576102	4.556652	4.789709	4.919631	4.788762	4.86637	4.859959	4.836082	5.102661	5.02441	5.105943
CBS	ENSG00000160200	-0.43562	2.593302	-3.95865	0.000968	0.0022	-1.29971	2.589523	2.152784	1.954926	1.457877	1.373859	1.575618	2.340763	1.988058	1.826075	4.043261	3.860515	3.95997	3.658044	3.666873	3.68641	4.026533	3.757829	4.073428
HSF2BP	ENSG00000160207	-0.83117	0.999277	-3.45662	0.002915	0.005868	-1.84489	2.668993	2.61635	2.109199	1.256461	1.373859	1.714252	1.648695	1.760835	2.127218	1.239286	1.588084	1.333627	1.186687	1.528499	1.046067	1.419885	1.513652	1.273688
RRP1B	ENSG00000160208	-0.83052	7.052873	-14.9723	2.09E-11	1.06E-09	16.24711	7.735881	7.780633	7.740813	6.94272	7.042579	6.961592	7.146943	7.249704	7.050138	7.228008	7.220473	7.268748	6.4001	6.392273	6.316627	6.923841	6.858936	6.902109
PDXK	ENSG00000160209	0.158488	7.563173	2.613687	0.017876	0.029615	-4.85837	7.656456	7.659607	7.647558	7.778367	7.86196	7.771061	7.289039	7.238702	7.281434	7.521635	7.476895	7.499965	7.6992	7.628749	7.674922	7.55129	7.527388	7.51549
G6PD	ENSG00000160211	-0.19697	9.765939	-1.6808	0.110584	0.150607	-6.63015	10.67737	10.6769	10.70963	10.86867	10.97906	10.81705	10.60128	10.54041	10.60908	9.145797	9.003093	9.171186	8.531101	8.408812	8.42941	8.916339	8.853353	8.886982
CSTB	ENSG00000160213	-0.06628	7.572804	-0.76501	0.454473	0.51855	-7.59433	7.656456	7.700503	7.725385	7.851739	7.832021	7.768411	7.333456	7.346145	7.459675	7.544144	7.589595	7.669831	7.419802	7.357659	7.335271	7.666375	7.618096	7.577584
RRP1	ENSG00000160214	-0.5799	6.153324	-8.67706	9.54E-08	7.59E-07	7.582797	6.224702	6.205343	6.301474	5.499001	5.803491	5.59324	5.683433	5.758745	5.782514	6.673544	6.602121	6.820981	6.162044	6.217998	6.117969	6.62723	6.618969	6.455328
AGPAT3	ENSG00000160216	-0.06822	6.831107	-1.2652	0.222406	0.27792	-7.01864	7.000504	7.073675	7.177613	7.063459	7.025904	6.933481	6.979041	6.882213	6.941169	6.60763	6.634008	6.738857	6.685091	6.52668	6.602688	6.831585	6.764053	6.729381
TRAPPC10	ENSG00000160218	-0.1134	5.266715	-2.22175	0.039769	0.060536	-5.36933	4.871956	5.003727	5.082923	4.921675	4.854473	4.956049	4.6145	4.796183	4.633836	5.832982	5.792202	5.834045	5.730985	5.694099	5.654408	5.789862	5.716735	5.742817
GAB3	ENSG00000160219	-0.9109	0.420122	-4.05436	0.000784	0.001827	-0.52195	1.519087	1.670392	1.499186	1.393812	1.087782	1.623325	1.240874	1.549165	1.244857	1.278001	1.588084	1.538714	0.701742	0.888753	0.651457	1.017342	1.16325	1.322858
GATD3A	ENSG00000160221	0.438103	-0.42745	2.206795	0.040967	0.06216	-4.51147	0.216396	0.215206	0.219246	0.258133	0.106501	0.2349	0.415731	0.253663	0.106501	2.263275	2.320972	2.286428	2.749557	2.756951	2.661487	2.384669	2.447571	1.81044
CFAP410	ENSG00000160226	0.31278	2.914503	2.700102	0.014913	0.025212	-3.84985	3.27548	3.417081	3.726899	3.533117	3.759832	3.472196	3.238915	3.415864	3.181386	2.749986	2.766797	2.786535	3.288992	3.223865	3.053703	2.35157	2.465551	2.277588
ZNF66	ENSG00000160229	-0.19282	0.201382	-0.79056	0.439794	0.504328	-6.50321	0.216396	0.316291	0.598525	0.106501	0.106501	0.563119	0.670238	0.253663	0.629397	2.790717	3.065914	2.87437	2.83289	2.797719	2.942182	2.819293	2.841019	2.549558
LRRC3	ENSG00000160233	0.648653	1.350921	4.365523	0.000397	0.000999	-0.11026	1.642349	0.940485	1.499186	1.634586	1.666451	1.799787	1.317361	1.15884	0.925731	2.100009	2.23117	1.986992	2.738794	2.517623	2.647333	2.35157	2.429363	2.419973
ITGB2	ENSG00000160255	-0.78694	2.878541	-8.30711	1.77E-07	1.26E-06	7.301958	2.021155	2.09705	2.248556	1.393812	1.556428	1.575618	1.588238	2.069791	1.564539	4.678347	4.672521	4.735026	3.918659	3.940055	4.040604	5.012893	5.146465	4.882289
FAM207A	ENSG00000160256	-0.46265	5.161462	-4.7791	0.000162	0.000454	0.095806	5.451823	5.474709	5.469462	4.562385	4.819175	4.627987	5.30568	5.127313	5.269907	5.107097	5.40559	5.513751	5.096674	5.141762	5.173877	5.490603	5.415183	5.207621
RALGDS	ENSG00000160271	0.253802	5.37779	4.197868	0.000572	0.001383	-1.26413	5.149863	5.084762	5.075454	5.185634	5.104628	5.122998	4.812472	4.637703	4.626988	5.808398	5.71148	5.692199	6.17308	6.053799	6.089462	5.731559	5.731671	5.680517
FTCD	ENSG00000160282	0.899195	0.41445	7.242988	1.17E-06	6.26E-06	5.568966	0.216396	0.316291	0.219246	0.52061	0.730585	0.3528	0.269385	0.106501	0.256032	3.047564	3.034402	2.893183	3.789021	3.779712	3.713835	3.26375	3.171908	3.267027
SPATC1L	ENSG00000160284	0.024956	3.278882	0.234972	0.816961	0.848351	-7.14702	3.498536	3.557914	3.55495	3.21869	3.34578	3.136338	3.094248	3.26787	3.389938	3.294134	3.287042	3.489405	3.617489	3.436722	3.707028	3.574643	3.743163	3.455199
LSS	ENSG00000160285	0.562786	4.824762	4.806305	0.000153	0.00043	0.22046	4.785446	4.843609	4.657046	4.851861	5.059965	4.942007	5.286782	5.028565	5.136423	4.373294	4.602618	4.441093	5.22369	5.329559	5.292308	4.733454	4.637141	4.572451
VAV2	ENSG00000160293	0.435313	6.072521	3.737242	0.001574	0.003387	-2.35382	5.460225	5.639833	5.615668	5.778422	5.907988	5.770552	5.531176	5.21525	5.519576	6.166639	6.103144	6.146848	6.712856	6.67902	6.659327	6.98919	6.930267	6.90413
MCM3AP	ENSG00000160294	0.309289	6.640355	7.936932	3.36E-07	2.17E-06	6.228352	6.395059	6.403582	6.380882	6.775246	6.812138	6.833078	6.325801	6.335147	6.280514	6.769217	6.814905	6.805547	7.055731	6.957629	7.035171	6.634128	6.657609	6.52658
C21orf58	ENSG00000160298	-0.52417	1.899542	-2.32469	0.032364	0.050356	-4.36581	1.719036	1.81559	2.248556	2.325974	2.299368	2.288255	2.102195	2.184314	1.620777	2.679436	2.727926	2.766268	1.733794	2.016959	1.970087	2.666185	2.741225	2.912845
PCNT	ENSG00000160299	-0.10847	4.572036	-1.00579	0.328237	0.391646	-6.95573	4.2778	4.34846	4.509652	4.654117	4.56592	4.849758	4.772276	4.790167	4.878354	4.703453	4.984279	4.72456	4.43437	4.372183	4.398437	4.650836	4.776901	4.72199
DIP2A	ENSG00000160305	0.117218	4.801395	2.467897	0.024178	0.038842	-4.78046	4.780982	4.787496	4.781616	4.87551	5.003429	4.809079	4.883375	4.80814	4.90124	4.867929	4.81224	4.711369	4.853955	4.931925	4.944238	4.956223	4.773297	4.890466
PRMT2	ENSG00000160310	0.345988	5.805407	4.313824	0.000444	0.001104	-1.04357	5.772833	5.837717	5.783216	5.872506	5.8095	5.783733	5.628203	5.721295	5.706591	5.745902	5.727989	5.693541	6.354118	6.219249	6.323319	5.65393	5.739082	5.605504
CLDND2	ENSG00000160318	-1.02651	-0.09317	-3.40279	0.00328	0.006509	-1.80575	1.561356	1.465573	1.54317	1.022291	0.92021	0.984419	1.317361	1.491012	1.826075	1.028404	1.029669	0.993481	0.745413	0.416769	0.593579	0.393424	0.504542	1.115245
ADAMTS13	ENSG00000160323	-0.13116	2.347291	-1.1073	0.283171	0.344159	-6.26608	3.487617	3.347134	3.489013	3.020814	3.260629	3.136338	2.303642	2.676938	3.023464	2.263275	2.388995	2.369387	2.491955	2.416542	2.365487	1.809319	1.707432	1.910335
CACFD1	ENSG00000160325	1.394194	3.929691	14.91977	2.21E-11	1.10E-09	16.39139	2.850396	2.470453	2.966237	4.112999	4.284653	4.279122	3.761137	3.761625	3.844255	3.980092	3.936355	3.891447	5.244764	5.162721	5.076884	4.382472	4.428393	4.261717
SLC2A6	ENSG00000160326	0.516427	3.025528	2.401447	0.0277	0.043797	-4.41681	3.967917	3.896716	4.174224	4.236852	4.167908	4.036412	3.219115	2.938616	3.421943	1.814181	2.320972	2.422156	3.157774	2.950162	3.064395	2.744769	2.921385	2.549558
ZNF761	ENSG00000160336	0.125016	4.829475	1.965683	0.065428	0.094599	-5.75078	4.10996	4.150501	4.222364	4.342447	4.030628	4.506036	4.235306	4.273815	4.296723	5.499947	5.40559	5.265644	5.55042	5.472807	5.473701	5.652232	5.651473	5.815479
C9orf116	ENSG00000160345	1.414654	2.744188	5.544596	3.23E-05	0.00011	2.288022	2.416107	2.356396	2.5366	3.944346	3.6964	3.405543	4.068294	3.550079	3.867685	2.243849	2.267764	2.314614	3.409264	3.428092	3.486261	2.417026	1.956613	2.252429
LCN1	ENSG00000160349	1.442812	0.285398	4.002263	0.000879	0.002023	-0.57024	4.117062	4.080378	4.242513	5.573188	5.754503	5.59324	6.100847	5.891111	6.236199	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
ZNF714	ENSG00000160352	-0.24598	3.277564	-1.57237	0.133792	0.178176	-6.03736	3.19722	3.042358	2.933559	2.103714	2.299368	2.402038	3.238915	3.384264	3.124172	4.247262	4.097507	4.178935	4.080861	4.190213	4.165038	3.658228	3.955266	3.669942
GPSM1	ENSG00000160360	0.668409	4.932721	6.162191	9.23E-06	3.70E-05	3.049842	5.146396	5.044814	5.144898	5.521661	5.745129	5.578188	4.681143	4.547856	4.620106	4.364327	4.483212	4.578198	5.287859	5.23377	5.243746	4.939614	4.83684	4.689552
C19orf47	ENSG00000160392	-0.32711	4.113531	-4.65305	0.000213	0.000576	-0.05491	3.530804	3.35903	3.500214	3.503067	3.602632	3.349911	3.555458	3.646467	3.641718	5.004057	5.035583	5.212332	4.718081	4.66441	4.599282	5.004933	4.910886	4.890466

TOR2A	ENSG00000160404	0.667599	3.658937	5.778332	2.00E-05	7.19E-05	2.436181	2.707144	2.55562	2.621113	3.977507	3.901574	3.535905	2.957542	3.002451	2.869505	4.125171	4.205202	4.224215	4.645023	4.608219	4.62479	4.644018	4.641102	4.394143
ST6GALNA	ENSG00000160408	0.705313	3.766682	8.040843	2.80E-07	1.87E-06	6.848732	3.895419	3.568199	3.792147	4.472198	4.770725	4.420855	3.853933	3.685883	3.498982	3.702624	3.562131	3.476988	4.183649	4.089828	4.093761	3.678389	3.458949	3.56145
SHKBP1	ENSG00000160410	0.459027	5.998522	6.962045	1.97E-06	9.81E-06	4.465194	5.862195	5.841962	5.876425	5.977316	6.180215	5.984314	5.631951	5.609584	5.619566	6.024455	5.92128	5.99945	6.642416	6.616776	6.626333	5.975118	6.078372	5.930982
RDH13	ENSG00000160439	-0.38349	3.800879	-3.96429	0.000956	0.002176	-1.4921	3.747663	3.472886	3.443319	3.325575	3.630051	3.459109	3.19904	3.063581	3.236418	4.68916	4.630987	4.557708	4.323482	3.90938	4.21867	4.507942	4.504286	4.494122
ZER1	ENSG00000160445	0.988585	5.636641	23.10012	1.52E-14	7.01E-12	23.63401	4.880328	4.57954	4.671981	5.626427	5.637789	5.605169	5.218618	5.122533	5.067277	5.723285	5.736174	5.682768	6.763516	6.714052	6.661089	6.104924	6.160693	6.092105
ZDHHC12	ENSG00000160446	0.431789	5.642911	4.571124	0.000254	0.000674	-0.4649	5.078891	5.208268	5.217952	6.012406	6.054313	5.902086	5.319693	5.141559	5.197793	5.798445	5.827869	5.970954	6.126359	5.989265	5.947952	5.814363	5.818179	5.694596
PKN3	ENSG00000160447	-0.50759	3.138449	-4.49602	0.000299	0.000778	0.000386	3.710582	3.838426	4.042515	3.162124	3.772191	3.18484	4.023335	4.070428	4.207726	2.906434	2.924094	3.035461	2.479079	2.642244	2.574402	3.133504	2.895091	3.006111
SPTBN4	ENSG00000160460	-0.50341	0.188022	-1.98846	0.062653	0.091085	-4.58416	0.947665	1.226787	1.256574	0.52061	1.612488	1.123626	1.074544	1.001115	1.38134	1.239286	1.300837	1.387696	0.907968	0.784432	1.17005	1.13872	1.2488	1.222783
BRSK1	ENSG00000160469	0.176745	1.835253	1.772521	0.093737	0.130305	-5.34758	1.791852	1.591918	1.954926	2.063099	1.718467	2.164723	1.917967	1.901414	1.777424	2.392392	2.618839	2.53427	2.51737	2.700737	2.661487	2.494877	2.568968	2.507643
COX6B2	ENSG00000160471	-1.0056	-0.59108	-5.04026	9.28E-05	0.000277	1.481023	0.41387	0.215206	0.219246	0.106501	0.25478	0.2349	0.269385	0.387194	0.39151	2.392392	2.193623	2.183199	1.498836	1.282615	1.639204	1.833493	1.851139	1.973284
TAOK1	ENSG00000160551	0.151946	7.183626	2.604346	0.018227	0.030117	-4.8279	7.310354	7.398708	7.38368	7.626366	7.60473	7.780298	7.563824	7.587262	7.520065	6.827473	6.99758	6.723171	6.827775	6.851098	6.852916	6.840559	6.840969	6.958621
MED27	ENSG00000160563	-0.7358	5.214352	-12.3995	4.31E-10	9.59E-09	13.27965	5.628712	5.557053	5.555197	4.555081	4.819175	4.656929	5.060712	5.197177	5.131593	5.726788	5.599299	5.667823	5.060393	5.060335	5.097852	5.299906	5.456227	5.461988
DEDD2	ENSG00000160570	0.221869	5.029745	2.482137	0.02348	0.03784	-4.86263	3.792713	4.014214	3.955676	4.517996	4.648682	4.696497	4.264577	4.147745	4.042563	5.847534	5.800031	5.894818	5.96602	5.86369	5.824445	6.082404	6.111581	6.034234
SIK3	ENSG00000160584	0.14708	5.468274	3.007152	0.007752	0.014057	-3.8307	5.194191	5.250391	5.37527	5.363409	5.292232	5.522662	5.414148	5.263813	5.291723	5.655065	5.713139	5.568909	5.858265	5.727893	5.800662	5.584404	5.597458	5.560088
MPZL3	ENSG00000160588	0.07172	3.794952	1.05087	0.307632	0.370153	-6.99121	2.568952	2.534795	2.900124	2.291228	2.229385	2.288255	1.917967	2.357042	2.202855	5.56792	5.581239	5.582013	5.699414	5.67599	5.784586	5.488702	5.334317	5.526375
NEK8	ENSG00000160602	0.296258	2.661884	3.183751	0.00529	0.010004	-2.85081	2.933205	2.748839	3.090013	3.123142	2.835252	2.885561	2.607661	2.801791	2.530983	2.906434	2.841532	2.87437	3.296351	3.213858	3.317756	2.625227	2.696248	2.570068
TLCD1	ENSG00000160606	0.907387	4.205881	8.300962	1.79E-07	1.27E-06	7.214714	3.928091	3.888531	4.145977	4.910272	4.987618	5.118843	3.853933	3.698786	3.746538	3.944434	3.936355	4.03812	4.701546	4.627193	4.885155	4.365992	4.304002	4.108904
PCSK7	ENSG00000160613	0.427077	5.278347	6.582939	4.05E-06	1.82E-05	3.778773	4.152058	3.7953	3.65856	4.479932	4.529983	4.598452	4.402637	4.247712	4.33084	6.22105	6.357747	6.237053	6.668881	6.56851	6.568357	6.328703	6.37919	6.387612
SAFB	ENSG00000160633	-0.36266	6.639436	-7.51755	7.07E-07	4.07E-06	5.470963	6.563094	6.548276	6.65591	6.333788	6.438513	6.354858	6.597155	6.609051	6.719273	6.885036	6.928547	7.028261	6.519674	6.434896	6.471263	6.936453	6.916443	6.84013
CHTOP	ENSG00000160679	-0.3256	7.295486	-8.4919	1.30E-07	9.76E-07	7.175046	7.57949	7.600707	7.630457	7.213657	7.207502	7.159629	7.535085	7.417154	7.440273	7.369171	7.296053	7.295511	7.088953	7.061024	7.071401	7.11286	7.207028	7.204729
ZBTB7B	ENSG00000160685	0.045152	6.765604	0.87981	0.390899	0.455873	-7.42086	6.953666	7.07638	7.136032	7.139902	7.29361	7.171712	7.005289	6.785736	6.868995	6.579816	6.549218	6.591856	6.57745	6.51654	6.47327	6.430279	6.46325	6.419044
FLAD1	ENSG00000160688	0.356875	6.488792	6.693625	3.27E-06	1.52E-05	3.88856	6.209831	6.141345	6.229267	6.502759	6.713055	6.584614	6.037254	6.017505	6.01011	6.687093	6.537089	6.64138	7.010584	6.847057	6.94692	6.679013	6.672199	6.635195
SHC1	ENSG00000160691	0.337812	8.4927	4.028939	0.000829	0.001917	-1.86308	9.326739	9.294484	9.336438	9.825216	9.933216	9.829555	9.569919	9.590092	9.56208	7.245817	7.267537	7.202413	7.341929	7.314412	7.330296	7.673926	7.662129	7.660614
VPS11	ENSG00000160695	0.162045	5.247547	3.266631	0.004417	0.008505	-3.27818	4.707601	4.658672	4.696533	5.025739	5.084948	5.00189	4.751751	4.474723	4.626988	5.861941	5.876072	5.846165	5.899924	5.926312	5.933444	5.65393	5.554003	5.62033
NLRX1	ENSG00000160703	-0.16769	4.425934	-2.05262	0.055393	0.081555	-5.43282	5.214199	5.08834	5.148462	4.784753	4.939117	4.98829	4.504297	4.55497	4.592248	4.19764	4.132653	4.178935	4.046359	4.200384	4.062102	4.072963	4.011424	4.223386
ADAR	ENSG00000160710	0.124373	9.488446	2.185365	0.042742	0.064618	-5.80471	9.012717	9.026826	8.999655	9.295357	9.312848	9.308822	9.121804	9.146077	9.094729	9.789209	9.784253	9.710333	9.737415	9.753477	9.746974	9.995795	9.983672	10.01055
IL6R	ENSG00000160712	-0.08511	5.315508	-0.79184	0.439068	0.503596	-7.17846	6.27001	6.065329	6.181361	6.400512	6.293865	6.289823	6.729006	6.745885	6.71605	4.417313	4.517806	4.542892	3.942308	4.084346	4.051393	4.489042	4.38181	4.428245
UBE2Q1	ENSG00000160714	-0.0093	7.64852	-0.17228	0.865194	0.889167	-7.882	7.631254	7.674558	7.621509	7.670126	7.666446	7.661075	7.968431	7.920368	7.962981	7.615319	7.537159	7.628326	7.528084	7.541924	7.586353	7.5371	7.52471	7.53192
CRTC2	ENSG00000160741	-0.12211	6.021257	-1.82603	0.084979	0.119317	-6.13755	5.987614	5.863	5.955863	5.573188	5.687572	5.677574	6.153955	5.899518	6.033605	6.306629	6.196265	6.251706	6.25751	6.211726	6.26426	6.131979	6.214848	6.130587
ANO10	ENSG00000160746	0.39588	4.545387	4.430003	0.000345	0.000883	-0.54774	4.538049	4.511888	4.611291	5.384166	5.180767	5.1639	4.479546	4.819999	4.700591	4.412971	4.435757	4.453822	4.515435	4.505315	4.635585	4.185243	4.195062	4.242679
FDPS	ENSG00000160752	-0.51458	7.171215	-6.23355	8.01E-06	3.28E-05	2.92924	7.805126	7.800398	7.788988	7.029605	7.062841	6.983465	7.544065	7.582048	7.490186	7.170652	7.060204	7.119961	6.891725	6.785047	6.878134	6.732219	6.774909	6.774264
RUSC1	ENSG00000160753	-0.11689	6.466363	-2.76784	0.012926	0.022208	-4.43363	6.796655	6.76718	6.843491	6.803259	6.822574	6.712811	6.642458	6.725538	6.668483	6.388521	6.242964	6.389758	6.15902	6.116912	6.142143	6.153743	6.210856	6.116712
GBAP1	ENSG00000160766	0.732321	1.628023	5.60722	2.84E-05	9.77E-05	2.551602	1.755904	1.708084	1.818408	2.605941	1.953662	2.374422	2.144798	1.901414	2.005764	1.616888	1.875739	1.839597	2.25569	2.269709	2.465679	1.903678	2.233409	2.226823
FAM189B	ENSG00000160767	0.16275	5.804019	2.218277	0.040045	0.06089	-5.38816	6.053879	6.113526	6.135406	6.340176	6.371051	6.333504	6.307166	6.104921	6.282695	5.203266	5.344801	5.37006	5.408221	5.329559	5.41643	5.827964	5.619709	5.408895
PAQR6	ENSG00000160781	0.803772	2.093862	6.641406	3.62E-06	1.65E-05	4.516288	2.080492	2.125186	2.399755	3.123142	3.207016	3.103073	2.058296	2.108984	2.165532	2.461296	2.355385	2.213454	2.749557	2.596763	3.032078	1.903678	1.930959	1.973284
PMF1	ENSG00000160783	0.008551	4.229329	0.126822	0.900529	0.918456	-7.39689	4.345883	4.281283	4.145977	4.171485	4.231942	4.170914	4.31208	4.405576	4.505294	4.386642	4.309807	4.286022	4.386902	4.358622	4.381435	4.271827	4.451131	4.122853
SLC25A44	ENSG00000160785	0.132634	6.864707	2.975573	0.008297	0.014937	-4.07199	6.450932	6.400708	6.437331	6.692786	6.555743	6.742819	6.477256	6.450256	6.550385	7.309104	7.25961	7.226257	7.317723	7.260745	7.370162	7.127599	7.060931	7.110736
LMNA	ENSG00000160789	-0.29586	9.554806	-2.38671	0.028543	0.044991	-5.43368	9.828584	9.807152	9.894639	9.020992	9.233791	8.958622	9.162868	9.133658	9.142634	9.66554	9.61716	9.749011	9.830252	9.796858	9.767158	9.855738	9.827327	9.731103
NBEAL2	ENSG00000160796	0.24303	6.004105	1.62247	0.122601	0.165204	-6.44617	6.145295	6.015467	6.210636	5.629907	5.794432	5.66623	6.084526	5.988901	6.143263	5.698525	5.89081	5.580563	6.554616	6.348353	6.49022	6.108643	6.104426	6.041596
CCDC12	ENSG00000160799	-0.30648	4.981794	-4.32669	0.000432	0.001076	-0.88183	5.053202	5.033724	5.002498	4.517996	4.675247	4.454215	4.974767	4.819999	4.951444	5.471	5.191334	5.406528	5.22369	5.206274	5.068941	5.085149	5.146465	5.239981
UBQLN4	ENSG00000160803	0.034278	7.070738	0.3568	0.725513	0.770214	-7.80861	6.634125	6.661876	6.659661	6.850266	6.96799	6.921604	6.335028	6.225736	6.206646	7.625206	7.553924	7.590642	7.539758	7.413921	7.440079	7.625856	7.599388	7.633465
PPP1R35	ENSG00000160813	-0.1712	3.901723	-1.57922	0.132213	0.176387	-6.12178	3.936145	4.14364	4.320409	3.51817	3.670226	3.59692	3.733489	3.913244	3.655245	4.003384	4.223947	4.116262	4.179675	4.215509	4.109334	4.293774	4.405289	3.961444
GPATCH4	ENSG00000160818	-0.19108	7.528026	-5.11765	7.88E-05	0.00024	0.551857	7.742785	7.692298	7.745527	7.413673	7.433427	7.532667	7.679726	7.659166	7.779838	7.52516	7.442295	7.50456	7.382255	7.351967	7.371239	7.444486	7.447087	7.502211
AZGP1	ENSG00000160862	-1.49198	0.363	-13.2441	1.51E-10	4.47E-09	14.47675	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	5.346754	5.203192	5.443693	3.778549	3.846002	3.933868	4.969919	4.83684	4.882289
FGFR4	ENSG00000160867	0.149988	2.725467	1.366929	0.188973	0.240876	-6.0595	2.850396	2.655462	2.966237	2.887595	3.31232	3.069023	3.072345	3.285084	2.959482	2.843296	2.829342	2.786535	3.039964	2.863205	2.604018	3.043104	3.022017	2.778299
NACC1	ENSG00000160877	-0.52465	7.153232	-7.58213	6.30E-07	3.69E-06	5.545004	7.350079	7.422286	7.468102	6.694449	6.828503	6.60109	7.046599	6.941768	7.01122	7.392514	7.350914	7.489185	7.100034	6.975507	7.06742	7.474582	7.457793	7.277465
LY6K	ENSG00000160886	-0.77424	6.012126	-4.24671	0.000514	0.001259	-1.22493	5.899743	5.946183	5.861303	3.921807	3.956756	3.868406	5.32896	5.323347	5.404147	7.050009	7.050392	7.242395	6.781983	6.847057	6.906637	7.221618	7.137231	7.062697
IER2	ENSG00000160888	-0.26879	6.474344	-2.7264	0.014109	0.024001	-4.51885	6.834849	6.803545	6.920549	6.23212	6.265735	6.213949	6.744671	6.730259	6.871895	6.254195	6.291534	6.498188	6.375122	6.386716	6.405507	6.465512	6.367284	6.18146
ZNF394	ENSG00000160908	0.356132	4.281023	4.988519	0.000104	0.000305	0.670233	3.85351	3.812706	3.854572	3.827958	4.071202	4.138446	4.045989	4.119235	4.073118	4.73162	4.570022	4.491347	4.998573	4.997558	5.009321	4.54867	4.706825	4.607598
CPSF4	ENSG00000160917	-0.62831	5.730263	-9.29966	3.49E-08	3.29E-07	8.691696	6.077737	5.973524	6.108212	5.180897	5.300788	5.227023	5.866398	5.78015	5.646906	5.97524	5.898124	6.063138	5.642804	5.419382	5.467673	6.024518	5.991068	6.013792
LY6E	ENSG00000160932	0.260015	8.289174	4.753039	0.000171	0.000476	-0.33296	6.581182	6.52074	6.648378	6.868058	7.060324	6.881703	6.864222	6.821569	6.910477	9.522731	9.543404	9.569862	9.752793	9.757143	9.752459	10.09748	10.1241	10.06508
VPS28	ENSG00000160948	0.233039	6.612204	5.521459	3.38E-05	0.000114	1.484033	6.528888	6.43483	6.562826	6.79243	6.813633	6.725162	6.564183	6.455968	6.539485	6.684393	6.500079	6.687915	6.844815	6.863953	6.762242	6.496124	6.543738	6.493409
TONSL	ENSG00000160949	-1.30341	4.853237	-9.22012	3.96E-08	3.66E-07	8.648401	4.321496	4.366251	4.382257	3.933121	3.978251	3.907468	4.057185	4.019913	4.322386	6.095267	6.227952	6.300088	4.761267	4.756906	4.508238	6.281155	6.178517	6.048921
PWWP3A	ENSG00000160953	0.337616	5.126282	4.470681	0.000316	0.000818	-0.63932	4.381709	4.197635	4.458888	5.041505	4.928114	4.997371	4.111894	4.184903	4.355908	5.730282	5.801592	5.818136	6.054396	5.91709	5.940717	5.734772	5.762906	5.708538
RECQL4	ENSG00000160957	-1.67721	4.862617	-8.30368	1.79E-07	1.27E-06	7.139458	4.640181	4.584615	4.662041	4.122913	4.301803	4.226032	4.420085	4.68386	4.626988	6.088476	6.106936	6.135041	4.110387	3.799921	4.01878	6.072282	6.063691	5.91704
LRRC14	ENSG00000160959	0.122669	5.66252	2.027489	0.058141	0.08517	-5.76802	5.32875	5.10962	5.313116	5.483695	5.557954	5.596232	5.401027	5.043815	5.252213	6.028718	6.017092	6.102067	6.04022	6.097994	6.051003	6.068467	6.024808	5.950669
ZNF333	ENSG00000160961	0.448668	2.67078	4.883398	0.00013	0.000372	0.854582	2.688195	2.836538	3.06005	3.255206	3.260629	3.391835	2.779728	2.938616	2.915195	2.708071	2.741	2.546206	2.968056	3.088026	2.942182	2.432936	2.649824	2.84714
COL26A1	ENSG00000160963	1.532155	-0.6246	3.477518	0.002785	0.005637	-1.58083	1.519087	1.915637	1.453818	2.605941	2.85862	2.532704	2.01302	1.988058	2.047395	0.269074	0.106501	0.106501	0.352262	0.190544	0.335616	0.257084	0.433238	0.580851
PPP1R16A	ENSG00000160972	0.73113	5.732141	8.55801	1.16E-07	8.92E-07	7.398906	4.785446	4.729112	4.938064	5.626427	5.671168	5.484421	4.673889	4.467202	4.849226	6.037207	6.178356	6.279679	6.898995	6.851905	6.820957	6.612462	6.52135	6.339143
ORAI2	ENSG00000160991	0.950726	5.527879	7.527781	6.94E-07	4.01E-06	5.573298	4.553837	4.527784	4.498524	5.952514	6.00018	5.870309	4.254886	4.397684	4.189248	5.936438	5.941242	5.976478	6.672421	6.610115	6.615468	6.14773	6.100116	5.948712
ALKBH4	ENSG00000160993	0.027308	4.080401	0.332313	0.743605	0.785637	-7.30583	3.903656	4.073175	3.914407	4.072648	4.020303	3.797394	4.402637	4.405576	4.3476	4.109157	4.209911	4.29666	4.195506	4.264807	4.293286	4.349322	4.200441	4.143528
SH2B2	ENSG00000160999	1.197028	1.906955	5.349376	4.84E-05	0.000157	1.999405	1.602421	1.708084	1.853768	3.20008	3.34578	3.200652	2.480375	2.069791	2.127218	1.616888	1.827525	2.104662	2.28558	2.148862	2.633039	2.524879	2.233409	2.119598
MRNIP	ENSG00000161010	0.193488	4.114098	1.778247	0.092764	0.129191	-5.90802	4.131163	4.136747	4.02711	3.875646	3.560502	3.936085	3.866715	3.633086	3.990155	4.447347	4.506366	4.352105	4.922141	4.78759	4.851597	4.103106	4.232297	4.249053
SQSTM1	ENSG00000161011	-0.59295	10.29727	-10.5868	5.01E-09	6.84E-08	10.40474	11.59513	11.58387	11.58755	11.10059	11.13933	11.03838	11.38757	11.33743	11.3614	9.744552	9.55756	9.751027	8.997717	8.945016	8.992894	9.11324	9.071021	9.074514
MGAT4B	ENSG00000161013	0.622889	7.695813	10.74037	4.02E-09	5.66E-08	10.7666	7.764997	7.830081	7.875937	8.25085	8.36509	8.216269	8.27989	8.256095	8.280258	6.821752	6.818764	6.929195	7.663364	7.658106	7.612087	7.413248	7.384081	7.242753
RPL8	ENSG00000161016	-0.77344	10.11729	-10.6704	4.44E-09	6.16E-08	10.51267	10.20687	10.18297	10.23519	9.06633	9.295828	9.109412	10.25457	10.19509	10.27445	10.53803	10.47396	10.50864	9.92469	10.03198	9.960667	10.59833	10.66169	10.61817
MAML1	ENSG00000161021	-0.11654	6.460587	-3.44488	0.002991	0.006007	-3.02773	6.203172	6.307097	6.277261	6.120268	6.205497	6.108942	6.239981	6.194191	6.289216	6.821752	6.811811	6.764628	6.700428	6.672641	6.680332	6.777315	6.765868	6.658128
LRWD1	ENSG00000161036	-0.24754	5.509003	-3.57988	0.002225	0.004619	-2.60439	5.449012	5.569905	5.724733	4.982834	5.317749	5.167927	5.383345	5.360361	5.470686	5.666054	5.691415	5.865347	5.695244	5.640943	5.536486	5.833967	5.753789	5.642288
FBXL13	ENSG00000161040	-0.19698	3.32673	-1.99848	0.061466	0.089551	-5.28677	3.142584	3.169391	3.270929	3.162124	2.85862	2.629332	3.676552	3.736817	3.498982	3.637124	3.695711	3.663876	3.569701	3.606961	3.494191	3.934535	4.088867	3.679412
NAPEPLD	ENSG00000161048	0.651113	3.819743	9.398996	2.98E-08	2.88E-07	9.097326	3.613482	3.439663	3.24453	4.052041	4.139571	4.249025	3.507292	3.415864	3.421943	3.980092	3.901847	3.955502	4.376523	4.573423	4.573316	4.062774	4.023613	4.129778
PSMC2	ENSG00000161057	-0.0591	6.978547	-1.56553	0.135383	0.179975	-6.61928	7.41058	7.421577	7.388962	7.376862	7.356517	7.365642	7.521004	7.458519	7.388571	6.619926	6.632255	6.621774	6.529856	6.607251	6.505013	6.566325	6.450892	6.614364
MFSD12	ENSG00000161091	0.457156	7.601265	5.852643	1.72E-05	6.34E-05	2.187075	8.886182	8.880013	8.958881	9.504617	9.602631	9.51771	9.432668	9.247254	9.37165	5.658737	5.838552	5.975375	6.066283	5.926312	6.029337	6.14773	6.104426	5.91704
TUBA3FP	ENSG00000161149	1.56213	-1.53265	5.071052	8.69E-05	0.000261	1.624601	1.519087	1.849715	1.585853	3.142765	3.012388	3.086148	1.867984	1.658879	2.047395	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
YDJC	ENSG00000161179	0.289611	4.974092	2.375702	0.029189	0.045898	-5.03685	4.753899	4.925889	4.990634	4.727426	5.230876	4.960699	4.31208	4.009594	4.388669	4.968993	5.1649	5.341234	5.525587	5.610755	5.574382	5.515099	5.377692	5.037632
DVL3	ENSG00000161202	0.158987	6.746052	4.457832	0.000325	0.000839	-0.83125	6.642763	6.673831	6.674569	6.759444	6.698559	6.855724	6.670066	6.598762	6.60019	6.780215	6.757358	6.784917	7.007785	6.979943	6.924354	6.836079	6.725401	6.708719
AP2M1	ENSG00000161203	1.049565	7.747212	14.28239	4.50E-11	1.81E-09	15.41533	6.786668	6.849594	6.864229	8.147192	8.191926	8.08026	8.113572	8.039267	8.059606	7.361868	7.312019	7.272345	8.141093	8.125607	8.12204	8.027947	8.053618	8.03445
ABCF3	ENSG00000161204	0.153868	6.029083	2.819031	0.011595	0.020135	-4.28437	5.975942	5.981241	5.830573	6.259341	6.261358	6.170452	6.15916	6.180458	6.036192	6.070669	5.95112	5.998365	6.117038	5.976004	6.004567	5.988637	5.919494	6.052569
PCYT1A	ENSG00000161217	0.108282	6.323582	2.109273	0.049627	0.073929	-5.67154	6.450932	6.552167	6.457584	6.396431	6.452019	6.430558	6.593315	6.679089	6.725698	5.945485	5.903948	5.990742	6.192931	6.217998	6.205097	6.284447	6.319888	6.364316
FBXO27	ENSG00000161243	-0.63895	2.541714	-4.54919	0.000266	0.000703	-0.12197	2.461454	2.356396	2.138168	0.934951	0.92021	1.055701	1.240874	1.231675	1.171446	4.607916	4.45968	4.662859	4.151547	4.116929	4.150058	4.526597	4.534411	4.394143
DMKN	ENSG00000161249	-0.01922	4.065324	-0.19585	0.846984	0.873476	-7.60827	2.867343	2.836538	2.776595	2.740812	2.835252	2.629332	1.762502	1.809233	1.727075	6.084386	5.922715	6.043273	6.011444	6.041121	5.997611	6.068467	6.066639	6.104461
U2AF1L4	ENSG00000161265	0.378421	0.449029	1.567434	0.134939	0.179503	-5.32699	1.475543	0.8079	1.202741	1.326771	1.087782	1.367251	1.525136	0.622068	1.314712	1.315703	1.616737	1.219002	1.548989	1.710321	1.749324	1.099384	0.924142	1.273688
BDH1	ENSG00000161267	-1.1823	1.824243	-7.62743	5.81E-07	3.45E-06	6.334442	1.561356	1.226787	1.585853	1.457877	1.087782	1.188496	1.389995	1.85606	1.826075	3.284659	3.524821	3.538032	2.270712	2.344993	2.18129	3.756329	3.307681	3.571657
THAP8	ENSG00000161277	0.779037	1.944719	4.216942	0.000549	0.001333	-0.39733	2.589523	2.730641	2.446827	3.020814	3.073582	2.741673	2.832807	2.481727	2.670735	1.457372	1.672391	1.759838	2.591031	2.50126	2.497588	1.419885	1.930959	1.370407
ZNF382	ENSG00000161298	-0.25733	-0.48683	-1.02665	0.318584	0.381888	-6.17643	0.318509	0.215206	0.106501	0.258133	0.106501	0.106501	0.106501	0.509405	0.39151	2.527059	2.531245	2.558044	2.270712	2.581279	2.257813	2.509956	2.233409	2.277588
LRRC56	ENSG00000161328	0.041503	3.259832	0.618965	0.543923	0.604392	-7.30535	1.861169	1.744817	1.853768	1.888135	2.03796	1.993763	1.240874	1.430416	2.005764	5.233128	5.336211	5.432483	5.351063	5.320261	5.41643	5.269218	5.235609	5.09537
PGAP3	ENSG00000161395	0.870597	4.939745	14.34608	4.18E-11	1.72E-09	15.65982	3.967917	4.006672	3.96379	4.591236	4.745876	4.656929	4.154215	4.332946	4.170531	5.447841	5.323231	5.361641	6.318418	6.318312	6.229054	5.380055	5.578995	5.356727
IKZF3	ENSG00000161405	-0.50548	0.127364	-2.47307	0.023922	0.038483	-3.94904	0.667115	0.736739	1.256574	0.258133	0.25478	0.461789	0.269385	0.509405	0.39151	2.204194	2.212518	2.228347	2.145912	1.970168	2.036756	1.970607	2.006592	2.174206
FDXR	ENSG00000161513	-0.25872	4.863559	-1.33505	0.198991	0.251864	-6.4952	6.680407	6.61304	6.669617	6.062202	6.064398	5.982028	5.882222	5.896721	5.845819	3.17611	3.455132	3.439082	4.01993	3.90938	3.6725	3.859998	3.910024	3.716682
SAP30BP	ENSG00000161526	-0.5321	6.438279	-8.18698	2.18E-07	1.50E-06	6.692667	6.572167	6.464039	6.441695	5.707722	5.760718	5.643273	5.804633	5.932665	5.892253	7.092034	7.036541	7.13387	6.729261	6.706935	6.788275	6.845025	6.823646	6.841185
ACOX1	ENSG00000161533	0.345564	5.614905	4.30568	0.000452	0.001121	-1.05662	5.089762	4.980813	4.781616	5.660858	5.617385	5.575159	4.968851	5.241941	5.136423	6.091196	6.166291	6.113142	6.302974	6.257503	6.232614	5.811323	5.729813	5.884657
PRPSAP1	ENSG00000161542	-0.05202	5.471158	-0.86285	0.399904	0.465307	-7.28666	5.539016	5.358041	5.446484	5.28169	5.138434	5.127141	5.30568	5.241941	5.359397	5.530331	5.709818	5.698897	5.76321	5.743628	5.718428	5.699035	5.729813	5.694596
CYGB	ENSG00000161544	0.260812	-1.11928	0.639251	0.530949	0.592472	-5.96607	2.080492	2.068355	2.138168	2.393052	2.429905	2.22781	1.389995	1.901414	1.38134	0.106501	0.185134	0.34382	0.352262	0.106501	0.186984	0.106501	0.19538	0.106501
SRSF2	ENSG00000161547	-0.38307	8.638848	-6.46327	5.10E-06	2.22E-05	3.290255	8.691481	8.703195	8.75043	8.233797	8.24443	8.272521	9.047967	9.072081	9.09504	8.645296	8.699817	8.716071	8.359263	8.350063	8.423971	8.757801	8.7665	8.738036
ZNF577	ENSG00000161551	0.731092	-0.34164	6.157426	9.31E-06	3.73E-05	3.477366	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.024981	3.339557	3.157196	3.783794	3.927863	3.886451	3.595997	3.431768	3.660409
TMEM143	ENSG00000161558	-0.62097	2.317037	-4.38116	0.000384	0.00097	-0.05912	3.85351	3.732673	3.971859	3.103249	3.225109	2.998412	3.370387	3.196885	3.721038	1.891119	2.011405	2.004401	1.838325	1.591687	1.947161	1.627702	1.766644	1.739782
KASH5	ENSG00000161609	-2.16531	-1.04345	-7.53068	6.91E-07	4.00E-06	6.227399	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	3.216534	3.373534	3.262236	1.121891	1.428204	1.284217	2.719047	2.770449	2.48622
ALDH16A1	ENSG00000161618	0.375831	4.350185	4.446101	0.000333	0.000856	-0.44277	4.478633	4.50655	4.676925	4.612502	4.966263	4.809079	4.751751	4.651042	4.849226	3.737768	3.901847	4.059098	4.400624	4.349511	4.346819	4.374256	4.211138	3.945834
ITGA5	ENSG00000161638	-0.13166	4.70251	-0.63126	0.536043	0.59736	-6.94733	7.108678	7.064623	7.079279	7.032237	7.034907	7.056966	7.005289	6.886449	6.972573	2.356666	2.646894	2.776437	2.178139	2.016959	2.121111	3.272618	3.431768	3.228839
ZNF385A	ENSG00000161642	0.249582	4.660078	2.934848	0.009055	0.016143	-3.81255	4.973272	5.015049	4.89628	5.218368	5.321958	5.118843	4.576101	4.467202	4.556652	4.382206	4.467566	4.402219	4.662213	4.67539	4.628397	4.566809	4.592839	4.422617
MPP3	ENSG00000161647	-0.40075	2.72901	-2.24046	0.038316	0.058574	-4.64791	3.710582	3.750846	3.717332	2.714828	2.926537	2.825643	3.137083	3.141256	3.064594	2.527059	2.469748	2.497858	2.55467	2.596763	2.795875	2.794876	2.868308	2.944608
NAGS	ENSG00000161653	0.227281	0.428541	1.06776	0.300156	0.362083	-6.4022	0.41387	0.316291	0.512639	0.742604	0.512209	0.106501	0.548589	0.106501	0.256032	2.843296	3.002186	2.966075	3.197622	3.162755	3.186878	3.560228	3.317614	3.410407
LSM12	ENSG00000161654	-0.59068	5.488704	-11.4753	1.45E-09	2.51E-08	12.00787	5.934331	5.900111	5.867803	5.190356	5.1432	5.203674	5.639419	5.619796	5.50844	5.627223	5.714797	5.704234	5.311659	5.173088	5.158989	5.544687	5.621715	5.534225
EMC10	ENSG00000161671	1.160308	7.488162	14.74426	2.68E-11	1.25E-09	15.95408	6.313939	6.228223	6.34561	7.711776	7.795405	7.745015	7.327689	7.206314	7.405678	7.248865	7.406844	7.450412	8.33758	8.267209	8.265624	8.04584	8.003731	7.847056
JOSD2	ENSG00000161677	0.88235	3.879955	7.606946	6.02E-07	3.56E-06	6.022191	3.17016	3.483793	3.500214	4.3081	4.580048	4.000731	3.571163	3.415864	3.796224	3.528929	3.919204	4.128223	4.63635	4.645922	4.722535	4.271827	4.247965	3.770842
SHANK1	ENSG00000161681	0.926683	-0.80129	2.296226	0.034272	0.053046	-3.90297	2.021155	2.425906	2.621113	3.376187	3.260629	3.405543	4.274204	3.89093	4.063004	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.214669
DBF4B	ENSG00000161692	-1.51767	3.105856	-7.13032	1.44E-06	7.48E-06	5.398109	3.819083	3.7953	3.871922	3.342644	3.093416	3.119801	3.879385	4.090149	3.946814	3.681119	3.767745	3.532043	1.954519	1.591687	1.639204	3.39137	3.546022	3.444131
PLCD3	ENSG00000161714	0.624819	6.463487	2.397134	0.027944	0.044149	-5.00835	8.002598	7.960244	8.007845	9.014683	9.067326	9.028392	7.958017	7.926552	7.952748	4.525848	4.479316	4.583999	4.309002	4.317159	4.284167	5.170659	5.118327	5.243178
FMNL3	ENSG00000161791	0.027885	1.733741	0.147062	0.884766	0.905817	-6.61548	2.568952	2.61635	2.794903	2.791417	3.207016	3.03415	3.072345	2.894433	3.254305	1.814181	1.616737	1.514616	1.154653	1.203912	1.355599	1.571317	1.547811	1.416439
RACGAP1	ENSG00000161800	-1.28621	5.746025	-8.81125	7.65E-08	6.34E-07	7.923809	6.138331	6.015467	6.102711	5.540275	5.305047	5.528939	6.341911	6.397811	6.371418	6.212331	6.225628	6.262598	4.464081	4.354074	4.523816	6.06974	6.047368	6.090332
LARP4	ENSG00000161813	-0.30301	7.438868	-7.5324	6.89E-07	3.99E-06	5.443616	7.940398	7.926665	7.936973	7.574932	7.56444	7.637309	7.873461	7.864206	7.73197	7.293245	7.309279	7.174809	6.95296	7.071452	6.964151	7.043957	7.063147	7.13589
RAVER1	ENSG00000161847	0.017409	4.955107	0.159043	0.875458	0.898159	-7.54925	4.635242	4.864623	5.014266	5.117849	5.221894	4.997371	5.104539	4.722281	4.906906	4.889966	4.97047	5.191584	4.912595	4.922739	4.785281	5.420516	5.358575	5.01537
SYCE2	ENSG00000161860	-1.75196	0.157158	-5.26705	5.75E-05	0.000182	2.006478	1.336422	1.420874	0.898566	0.841981	1.2379	0.563119	1.459147	1.710758	1.873138	1.704765	1.435603	1.696985	0.46104	0.416769	0.470356	1.286141	1.368306	1.222783
SPC24	ENSG00000161888	-1.53929	2.458182	-5.22243	6.31E-05	0.000197	1.700852	3.210562	2.982098	3.119366	2.81607	2.71237	2.763128	2.957542	3.506713	3.00245	3.284659	3.146729	3.312021	1.154653	1.16289	1.580823	2.901634	2.881762	3.121769
LEMD2	ENSG00000161904	-0.00332	5.931776	-0.05172	0.959335	0.966392	-7.7236	5.956277	5.831327	5.918779	5.7878	5.893919	5.614052	6.073542	6.104921	6.174129	5.97524	5.903948	5.93282	6.015908	6.018303	6.072348	6.045367	5.972326	5.91904
ALOX15	ENSG00000161905	-0.10646	1.249978	-0.28246	0.780908	0.817708	-6.48844	1.286899	1.551021	1.30847	1.888135	2.03796	1.757653	3.158032	3.102941	3.143496	1.586365	1.922393	1.933468	1.248697	1.16289	1.046067	1.627702	1.478665	1.58715
ADCY10P1	ENSG00000161912	-0.21369	0.880971	-1.39353	0.180927	0.231719	-5.65389	1.602421	1.551021	1.30847	1.256461	1.2379	1.310092	1.240874	1.658879	1.0941	1.91588	1.922393	1.73919	1.916818	1.591687	1.722572	1.320757	1.513652	1.739782
ZNF653	ENSG00000161914	0.279429	1.898092	2.241961	0.038202	0.058425	-4.50183	1.959273	2.009193	2.351095	2.518519	2.520598	2.288255	2.412257	2.147141	2.047395	2.356666	1.945166	2.369387	2.329284	2.307842	2.465679	2.211015	2.315011	2.033602
MED11	ENSG00000161920	0.750799	3.845676	8.751176	8.45E-08	6.87E-07	8.11197	4.239263	4.006672	4.102541	4.971905	4.950037	4.918297	4.496094	4.316298	4.313883	2.990428	3.175905	3.262236	3.814873	3.68147	3.593499	3.478269	3.595851	3.291935
CXCL16	ENSG00000161921	1.171885	4.599261	20.93821	8.02E-14	1.73E-11	21.86469	5.233934	5.26627	5.325763	6.418735	6.436573	6.455483	5.885366	5.943547	5.88653	2.943032	2.792142	3.035461	3.979357	3.952144	3.974116	3.574643	3.705831	3.55117
TNFSF13	ENSG00000161955	0.135147	0.021274	0.562463	0.580944	0.638751	-6.41055	0.882475	0.8079	0.964748	0.395333	0.512209	0.461789	0.548589	0.726566	0.256032	1.646779	1.467416	1.67541	2.193986	1.819936	1.947161	1.286141	1.613793	1.665483
SENP3	ENSG00000161956	-0.44145	4.456186	-5.96509	1.37E-05	5.22E-05	2.751958	5.071598	4.917869	5.041355	4.263984	4.621619	4.379778	4.479546	4.540708	4.490278	4.588795	4.558991	4.497508	4.272153	4.164465	4.329194	4.37013	4.495561	4.341429
EIF4A1	ENSG00000161960	0.368009	0.906348	1.865019	0.079059	0.111876	-4.88669	1.430644	1.631689	1.888281	1.791994	1.817192	2.22781	1.816207	2.069791	1.620777	1.388276	1.265082	1.305813	1.548989	1.320413	1.580823	0.837776	1.329561	1.273688
RPL26	ENSG00000161970	-0.1747	5.227677	-3.00813	0.007735	0.014033	-3.7615	5.588399	5.644701	5.636121	5.232173	5.367468	5.30589	5.238424	5.327507	5.54523	5.14686	5.184173	5.133432	5.020957	5.160118	5.161481	4.999601	5.057388	5.063177
POLR3K	ENSG00000161980	-0.73475	5.362436	-6.01811	1.23E-05	4.75E-05	2.733234	5.684757	5.634949	5.56323	5.375899	5.4273	5.435149	5.814563	5.819078	5.914921	5.522291	5.525662	5.620625	4.509114	4.381153	4.351192	5.550168	5.541343	5.539435
SNRNP25	ENSG00000161981	-0.10246	4.710263	-0.85558	0.403805	0.469043	-7.1095	4.532747	4.733688	4.711067	4.88719	5.190008	5.028711	5.082792	4.9659	4.91817	4.742042	4.702905	4.842989	4.359059	4.344933	4.194539	4.877024	4.933671	4.762652
WDR90	ENSG00000161996	-0.0718	4.73686	-0.98722	0.337006	0.400967	-7.09492	4.500523	4.47956	4.621585	4.325376	4.310303	4.351728	3.814892	3.798055	4.032233	5.404758	5.627733	5.313568	5.536504	5.388576	5.382653	5.02081	5.302159	5.12686
JMJD8	ENSG00000161999	0.410652	6.415639	6.490445	4.84E-06	2.12E-05	3.518021	6.32778	6.323886	6.383909	6.814008	7.022028	6.925177	6.777194	6.66765	6.763659	6.108753	6.104409	6.139972	6.443004	6.324138	6.315508	6.171633	6.098677	6.090332
CCDC78	ENSG00000162004	0.242058	1.143705	1.04205	0.311589	0.37429	-6.04522	2.461454	2.55562	2.661582	2.605941	2.549605	2.196611	1.816207	1.549165	1.727075	1.388276	1.228418	1.158083	1.838325	1.428204	1.923865	0.517985	1.16325	1.115245
SPSB3	ENSG00000162032	0.423699	4.237686	5.028909	9.51E-05	0.000283	0.75654	4.381709	3.888531	4.307715	4.342447	4.439897	4.218286	3.747379	3.856799	3.82044	4.337085	4.407337	4.566525	5.03202	4.965115	4.992623	4.180538	4.195062	4.029672
MEIOB	ENSG00000162039	-2.66469	2.046073	-7.33859	9.79E-07	5.39E-06	5.753647	1.826927	1.947501	1.954926	1.888135	1.718467	2.317553	0.782422	1.231675	0.833554	4.592639	4.45175	4.660116	1.667235	1.993753	1.550722	3.956715	3.728346	3.945834
TEDC2	ENSG00000162062	-1.07429	3.356064	-6.779	2.78E-06	1.31E-05	4.584662	3.183753	3.417081	3.431666	3.21869	3.112982	2.94309	3.258446	3.083395	3.236418	4.098381	4.247042	4.379049	2.949505	2.837366	3.064395	4.336692	4.237539	4.037057
CCNF	ENSG00000162063	-0.75018	4.573419	-3.93941	0.001009	0.002283	-1.61834	4.12413	4.014214	4.242513	4.227693	4.580048	4.427589	4.744844	4.728586	5.026224	5.344475	5.1649	5.311821	3.974777	3.999514	3.985412	5.210433	5.118327	5.271631
TBC1D24	ENSG00000162065	0.359658	3.976549	2.87658	0.010257	0.018051	-3.72137	3.903656	3.777682	4.057757	4.569652	4.836932	4.679672	4.56045	4.497055	4.563842	3.785574	3.761343	3.669344	3.663745	3.68147	3.615478	3.945668	3.890192	3.840032
AMDHD2	ENSG00000162066	0.914704	3.676265	7.311742	1.03E-06	5.62E-06	5.548975	3.361722	3.273623	3.28395	4.640378	4.551652	4.580436	4.090259	3.646467	3.856018	3.599408	3.470912	3.663876	4.106206	4.022628	4.119623	3.324713	3.413359	3.291935
BICDL2	ENSG00000162069	1.200565	-0.11568	10.80523	3.67E-09	5.33E-08	11.3093	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.303547	3.532361	3.464463	4.709837	4.581228	4.610269	3.787601	3.876817	3.716682

PAQR4	ENSG00000162073	-0.06492	5.081982	-0.25913	0.798565	0.832221	-7.59858	3.999005	4.210824	4.195052	5.213737	5.375591	5.195807	4.235306	4.060466	4.021828	5.791772	5.723056	5.784522	5.188526	5.282459	5.131289	6.380897	6.369673	6.225761
FLYWCH2	ENSG00000162076	-0.31351	5.160476	-2.65721	0.01632	0.027324	-4.43205	6.176225	6.22335	6.219134	5.517909	5.723018	5.634569	5.440037	5.408281	5.534291	4.549776	4.525382	4.798774	4.656506	4.763781	4.516048	4.77149	4.625193	4.61255
ZG16B	ENSG00000162078	0.35802	1.271641	1.334502	0.199165	0.252063	-5.59137	3.27548	3.310847	3.217639	3.898911	3.808643	3.786958	3.050103	3.302095	3.323715	0.834246	0.695454	0.993481	0.745413	0.345231	0.707101	0.789161	0.637375	0.872651
ZNF75A	ENSG00000162086	-0.07422	4.910255	-1.26883	0.22114	0.276556	-6.82674	4.02189	3.904854	3.987862	4.316764	4.231942	4.154771	3.928981	3.924273	4.032233	5.919702	6.059456	5.995103	5.79473	5.824769	5.80226	5.875309	5.840742	5.830433
ADCY9	ENSG00000162104	1.520053	5.435441	10.27108	7.93E-09	9.80E-08	10.30359	4.683882	4.706012	4.758481	6.576757	6.771164	6.684979	6.212706	6.21005	6.265158	4.460029	4.665681	4.640764	5.662871	5.544428	5.46364	5.28245	4.978189	4.973643
SHANK2	ENSG00000162105	-0.01118	3.910837	-0.03406	0.973213	0.977675	-7.19887	4.949597	4.980813	5.006431	4.092964	4.149079	4.121933	5.405414	5.150979	5.325957	2.620402	2.741	2.826234	3.960951	3.90938	4.01878	3.171932	3.104657	2.990979
CLPB	ENSG00000162129	-0.44554	4.575783	-4.51787	0.000285	0.000746	-0.34016	4.933595	4.860445	4.938064	4.316764	4.177232	4.202668	5.115291	5.112925	4.983968	4.569418	4.716207	4.727183	4.441025	4.312477	4.512148	4.526597	4.512957	4.531205
NEU3	ENSG00000162139	-0.1169	4.137198	-2.02791	0.058094	0.08511	-5.53064	3.999005	3.812706	3.947516	3.591402	3.517104	3.907468	3.457463	3.318907	3.614278	4.914746	4.890593	4.859824	4.808355	4.856747	4.820398	4.60593	4.525868	4.622403
CYB561A3	ENSG00000162144	0.586831	5.55792	4.978329	0.000106	0.000311	0.458242	5.064268	5.022548	5.241504	6.252583	6.177895	6.125602	5.582443	5.539589	5.667077	5.540318	5.49705	5.558634	5.779056	5.67599	5.650865	5.503845	5.403571	5.33891
ASRGL1	ENSG00000162174	-0.39266	-0.43237	-0.99685	0.33244	0.396064	-5.70924	2.629805	2.61635	2.492412	2.548252	2.811499	2.402038	2.724622	2.451551	2.588518	0.34397	0.259702	0.34382	0.106501	0.106501	0.263213	0.326864	0.19538	0.214669
UBXN1	ENSG00000162191	-0.04408	6.353452	-0.27917	0.78339	0.819885	-7.75946	6.499297	6.579116	6.625544	5.753112	5.879712	5.660525	5.970727	5.946255	6.104345	6.459712	6.504877	6.514228	6.998791	6.996819	7.004963	6.422332	6.429295	6.351044
LBHD1	ENSG00000162194	-0.31081	1.941732	-2.6353	0.017086	0.028453	-3.90617	1.861169	1.631689	1.853768	1.688986	1.612488	1.840725	2.144798	1.231675	1.564539	3.331423	3.044983	3.180357	2.749557	2.913535	2.906973	2.692858	2.921385	2.687355
TTC9C	ENSG00000162222	0.35598	4.289942	4.913829	0.000121	0.000351	0.455725	3.142584	3.428416	3.39613	3.999198	4.051057	4.071231	3.405851	3.446787	3.357206	5.041104	5.092794	5.083114	5.278599	5.320261	5.267074	5.156356	5.138081	5.11644
TAF6L	ENSG00000162227	0.047267	3.916521	0.74853	0.464095	0.527669	-7.02763	3.85351	3.96057	4.034833	4.092964	4.120365	4.009735	4.011872	4.203129	4.112876	3.838337	4.051023	3.995227	3.884887	3.903166	4.083285	4.088113	4.017531	3.961444
NXF1	ENSG00000162231	-0.3272	6.122161	-6.67409	3.40E-06	1.56E-05	3.889238	5.851589	5.82919	5.854773	5.775282	5.547207	5.671913	5.722633	5.749473	5.803925	6.805281	6.708278	6.721856	6.41031	6.301873	6.271199	6.591351	6.432727	6.547417
STX5	ENSG00000162236	0.639018	4.792515	12.12681	6.12E-10	1.28E-08	12.94248	3.999005	3.928996	4.080323	4.765896	4.758354	4.651187	4.512454	4.247712	4.305329	5.144243	5.130539	4.92069	5.606261	5.653954	5.622205	5.308556	5.358575	5.296461
SLC25A45	ENSG00000162241	-0.17563	2.074634	-1.07969	0.294956	0.356505	-6.23492	3.071243	2.886707	3.25779	2.548252	2.904251	2.784269	2.412257	1.85606	2.34318	2.100009	2.115463	2.183199	2.096181	2.288901	2.10048	2.095813	1.981819	2.252429
RPL29	ENSG00000162244	-0.16204	9.363113	-2.87753	0.010236	0.018019	-4.43954	9.551273	9.49815	9.537206	9.132232	9.25596	9.088584	9.360792	9.318737	9.341636	9.437924	9.343358	9.360103	9.383809	9.46161	9.376036	9.338205	9.389652	9.401643
SYVN1	ENSG00000162298	-0.46473	6.321635	-7.64349	5.64E-07	3.37E-06	5.729944	5.838758	5.850414	5.854773	5.598277	5.738846	5.649047	6.187456	6.017505	6.185827	7.011757	6.977008	7.022398	6.406065	6.385602	6.327764	7.004575	7.034825	7.053622
ZFPL1	ENSG00000162300	-0.07401	4.892285	-0.96691	0.346778	0.411048	-7.11963	4.767504	4.860445	5.029808	4.464421	4.662026	4.512384	4.358069	4.230044	4.235006	5.283944	5.353339	5.336087	5.42006	5.341097	5.441254	5.14915	5.256415	5.2872
RPS6KA4	ENSG00000162302	0.456748	5.660345	4.506496	0.000292	0.000763	-0.63046	4.630287	4.599733	4.652033	5.222985	5.355198	5.283793	4.504297	4.610649	4.732845	6.137986	6.238361	6.391413	6.639526	6.601506	6.60452	6.923841	6.780307	6.608179
LRP5	ENSG00000162337	0.171632	7.557698	1.10347	0.284785	0.345914	-7.29041	6.432547	6.52074	6.580083	7.289336	7.527555	7.298351	6.856232	6.825987	6.935637	8.166219	8.241655	8.290559	8.022687	7.849212	7.882132	8.552388	8.537321	8.390307
TPCN2	ENSG00000162341	0.025548	4.060874	0.297979	0.769232	0.808534	-7.37409	3.710582	3.310847	3.419917	3.80351	3.560502	3.620621	3.941119	4.030158	3.844255	4.692747	4.675929	4.629588	4.673561	4.529722	4.62479	4.477583	4.596923	4.607598
PDZK1IP1	ENSG00000162366	1.376596	-1.00905	3.468085	0.002843	0.005741	-1.62204	2.629805	2.308123	2.558197	3.910405	3.747367	4.036412	1.525136	1.760835	1.314712	0.106501	0.185134	0.16959	0.106501	0.190544	0.186984	0.106501	0.106501	0.106501
CMPK1	ENSG00000162368	0.134388	7.027604	2.02367	0.058569	0.085735	-5.90982	6.653793	6.644971	6.542653	7.023002	6.96126	7.003885	7.06474	7.180099	7.096735	7.04651	7.206403	7.185341	7.048667	7.098218	7.080647	7.256681	7.293244	7.317439
COA7	ENSG00000162377	-0.17218	6.565953	-5.39526	4.40E-05	0.000144	1.224938	6.578612	6.473645	6.550756	6.414705	6.411116	6.410303	6.577851	6.522796	6.508148	6.754707	6.688169	6.781135	6.529075	6.527691	6.544689	6.727389	6.742093	6.7271
ZYG11B	ENSG00000162378	0.645398	4.648933	7.408186	8.62E-07	4.83E-06	5.533564	4.145127	4.115866	3.81026	4.949796	4.987618	4.864722	4.709802	4.690335	4.674259	4.607916	4.793538	4.557708	5.053895	5.01783	5.198354	4.961717	4.740443	4.886383
CZIB	ENSG00000162384	-0.33	5.013227	-3.97074	0.000942	0.00215	-1.63108	5.572986	5.592753	5.517107	5.015132	5.094821	4.899045	5.478019	5.372491	5.375831	4.960093	4.925369	4.855034	4.787617	4.794321	4.820398	4.574001	4.633169	4.810842
MAGOH	ENSG00000162385	-0.65632	5.369773	-6.65881	3.50E-06	1.60E-05	3.962801	5.648453	5.512479	5.341417	4.263984	4.335505	4.493254	4.877071	5.150979	5.136423	6.025878	5.978976	6.038	5.603298	5.640943	5.657942	5.951842	5.879817	5.815479
ACOT11	ENSG00000162390	0.108024	2.543126	0.921235	0.369469	0.434331	-6.72954	2.483604	2.513665	2.300736	2.255624	2.264801	2.429135	1.70672	1.710758	1.445026	3.50465	3.295928	3.691009	3.757374	3.813238	3.445943	3.31616	3.404065	3.364179
PARS2	ENSG00000162396	0.011045	3.495223	0.119751	0.906046	0.922695	-7.27585	3.443098	3.012542	3.322321	2.97776	3.410458	2.924168	3.586698	3.335526	3.162566	3.991785	3.975599	4.083875	4.163669	4.095289	4.035179	3.945668	3.986735	3.840032
USP24	ENSG00000162402	0.033881	6.311628	0.629701	0.537036	0.598279	-7.57646	6.191444	6.10825	6.202087	6.164136	6.289573	6.410303	6.297757	6.250046	6.206646	6.407197	6.642742	6.354556	6.458668	6.411007	6.409706	6.424323	6.341957	6.376011
PLPP3	ENSG00000162407	0.549574	5.100309	5.835942	1.78E-05	6.52E-05	2.330937	4.553837	4.682536	4.657046	5.254892	5.26188	5.242382	4.8959	5.206241	4.945952	5.274401	5.203192	5.349772	5.743154	5.743628	5.761774	4.922811	4.881053	5.019105
NOL9	ENSG00000162408	-0.92239	4.946201	-13.4753	1.15E-10	3.59E-09	14.66613	5.460225	5.404699	5.363051	4.350907	4.284653	4.138446	4.902122	4.790167	4.88411	5.520274	5.516188	5.430875	4.823716	4.794321	4.653399	5.201172	5.211838	5.19777
PRKAA2	ENSG00000162409	1.654119	5.515447	6.772728	2.81E-06	1.33E-05	4.345837	5.679969	5.734195	5.668751	7.841269	7.770981	7.854636	7.573602	7.645069	7.58423	4.054455	3.970058	3.748962	4.203356	4.264807	4.377153	4.042177	4.088867	4.129778
KLHL21	ENSG00000162413	-0.94219	6.44568	-12.4805	3.89E-10	8.89E-09	13.30121	7.623171	7.540607	7.618942	6.534673	6.493661	6.508848	7.194613	7.096033	7.115205	6.153685	5.991338	6.171138	5.366878	5.24855	5.422676	6.227433	6.03538	6.028687
ZSWIM5	ENSG00000162415	0.566103	2.986855	3.152265	0.005664	0.010636	-2.98721	2.483604	2.37994	2.916938	3.753334	3.6964	3.818042	2.545421	2.702788	3.044176	3.303547	3.175905	3.085394	3.36795	3.357127	3.19663	3.423579	3.458949	3.387478
GMEB1	ENSG00000162419	-0.33368	4.274882	-6.28574	7.23E-06	3.00E-05	3.427706	4.478633	4.377991	4.301326	3.944346	4.249727	4.121933	4.321396	4.405576	4.270596	4.652797	4.536672	4.536922	4.187612	4.24529	4.27038	4.430811	4.482376	4.494122
SLC45A1	ENSG00000162426	1.213157	1.815207	9.186114	4.18E-08	3.84E-07	8.958384	1.894617	1.744817	1.54317	2.661411	2.904251	2.697781	1.762502	1.85606	1.873138	1.616888	1.922393	1.986992	2.852992	2.714997	2.675503	2.432936	2.410923	2.174206
SELENON	ENSG00000162430	0.997495	6.380693	19.54931	2.54E-13	3.85E-11	20.80233	5.766072	5.687786	5.884996	6.765786	6.831459	6.804908	6.932685	6.839158	6.930084	5.685984	5.762057	5.645805	6.724496	6.665316	6.539908	6.552737	6.584417	6.589464
AK4	ENSG00000162433	-0.04006	4.646371	-0.26977	0.7905	0.82587	-7.44802	4.564268	4.619648	4.631806	4.821743	4.681813	4.937296	4.599263	4.610649	4.505294	4.447347	4.755391	4.503642	4.268416	4.497087	4.411058	5.249139	5.341637	5.262209
JAK1	ENSG00000162434	0.374023	7.760692	3.988867	0.000905	0.002075	-1.90509	8.620164	8.573596	8.65155	9.314138	9.216089	9.308366	8.546368	8.563954	8.558745	6.739182	6.758966	6.744696	6.778045	6.713165	6.807496	6.668132	6.651731	6.637627
RAVER2	ENSG00000162437	1.164873	2.447391	7.367338	9.29E-07	5.14E-06	5.92783	3.613482	3.450822	3.511328	4.821743	4.770725	4.662649	4.321396	4.307901	4.270596	0.982259	1.152172	1.277453	1.473091	1.652223	1.488568	1.759719	1.737342	1.910335
LZIC	ENSG00000162441	-0.08342	5.19215	-1.38837	0.182467	0.233461	-6.65999	5.067938	4.949684	4.966609	5.1079	5.07001	5.010886	4.908318	5.224202	4.878354	5.56792	5.407641	5.516787	5.274879	5.410647	5.299114	5.461813	5.522142	5.547215
FBLIM1	ENSG00000162458	0.847162	2.562016	7.387152	8.96E-07	4.98E-06	5.719185	2.080492	1.978677	2.049454	2.21912	2.03796	2.064596	1.389995	1.367163	1.777424	3.437834	3.322263	3.38694	4.348478	4.298341	4.284167	3.724364	3.835933	3.906054
DHRS3	ENSG00000162496	0.761067	5.37718	6.165726	9.16E-06	3.68E-05	2.992917	4.91334	4.86879	4.946277	5.85774	5.93572	5.877705	5.115291	5.132077	5.287386	5.006941	5.061869	5.009585	5.655736	5.576021	5.572511	5.78677	5.917862	5.930982
SDC3	ENSG00000162512	1.335571	5.531988	12.14243	5.99E-10	1.26E-08	12.94843	5.482394	5.602793	5.576519	7.136235	7.196082	7.084923	5.958837	5.965067	6.099406	4.30932	4.447768	4.418544	5.451713	5.317927	5.321571	4.917167	5.060349	4.906683
PEF1	ENSG00000162517	-0.1433	6.023668	-2.56123	0.019939	0.032695	-4.82168	6.06494	5.969649	6.056036	5.794018	5.716638	5.643273	5.650549	5.5324	5.636714	6.369601	6.301497	6.336627	6.32383	6.304233	6.324432	6.297541	6.273436	6.248207
RBBP4	ENSG00000162521	-0.00432	7.593712	-0.05849	0.954025	0.962023	-7.90597	7.237276	7.222717	7.262288	7.615874	7.473711	7.516967	7.239531	7.284357	7.284701	7.9633	7.943168	7.953663	7.691546	7.759618	7.669679	7.887795	7.916551	7.905218
KIAA1522	ENSG00000162522	0.321478	6.349944	5.317822	5.17E-05	0.000166	1.034644	4.957532	4.973094	5.176661	4.892995	5.185395	5.097889	4.666597	4.569092	4.633836	7.729278	7.694545	7.718112	8.1871	8.073642	8.172639	7.726511	7.702964	7.657023
TMCO4	ENSG00000162542	0.204627	4.379557	3.051532	0.007044	0.012934	-3.60846	3.792713	3.494617	3.819232	3.727576	4.040879	3.620621	3.705302	3.384264	3.453254	5.157281	5.054034	5.176304	5.352829	5.350262	5.395412	5.182472	5.356168	5.230349
UBXN10	ENSG00000162543	1.020775	0.986264	3.512586	0.002579	0.005269	-1.92352	0.587539	0.410755	0.219246	1.74141	1.498102	1.880533	0.983587	0.387194	1.244857	2.510897	2.249583	2.286428	2.781373	2.714997	2.895043	2.77004	2.813204	2.84714
CAMK2N1	ENSG00000162545	-0.18735	5.802617	-1.26119	0.223814	0.279531	-6.98092	3.738482	4.006672	4.02711	4.809518	4.681813	4.772519	3.602068	3.89093	3.708117	7.639214	7.728172	7.706192	7.202981	7.284246	7.250029	7.750912	7.813706	7.726047
WNT4	ENSG00000162552	1.007707	-0.23092	1.844989	0.082053	0.11562	-4.66813	2.19231	2.853456	3.013906	2.933382	3.151334	2.924168	2.545421	2.290412	2.376228	0.106501	0.185134	0.106501	0.787801	0.784432	0.533283	0.257084	0.2791	0.106501
SCNN1D	ENSG00000162572	-0.23604	1.164263	-1.18608	0.251466	0.310178	-5.80969	3.128595	3.042358	3.309643	2.518519	2.762786	2.697781	2.376953	2.290412	2.643847	0.934589	0.89579	0.807652	1.154653	1.16289	1.129895	0.789161	0.924142	0.805046
FAAP20	ENSG00000162585	0.424199	4.889069	4.009941	0.000864	0.001993	-1.53444	4.740165	4.733688	5.041355	5.28169	5.473441	5.122998	5.003988	4.849227	5.036597	4.318634	4.591835	4.796278	4.943391	4.89169	5.060955	5.237862	5.060349	4.726565
MEGF6	ENSG00000162591	-0.03178	2.425482	-0.09594	0.92466	0.938296	-6.91479	3.836399	3.855322	3.871922	2.633943	3.31232	2.805104	2.446718	1.988058	2.376228	1.840286	2.053933	1.986992	2.842976	2.565626	2.821313	2.568742	2.392244	2.464474
NFIA	ENSG00000162599	0.290152	4.128118	3.131485	0.005925	0.011068	-3.28744	4.179456	4.080378	4.019345	4.654117	4.782991	4.662649	4.079318	4.09991	4.141991	4.217694	4.242453	3.973292	4.131114	4.205443	4.169997	4.083081	4.035699	4.058989
OMA1	ENSG00000162600	-0.24976	3.400055	-1.98996	0.062473	0.090843	-5.27625	3.919992	4.058659	3.987862	3.342644	3.502343	3.405543	4.034706	3.868266	3.968647	3.275122	3.356645	3.400153	3.442811	3.544454	3.225499	3.181381	3.034117	3.149291
MYSM1	ENSG00000162601	-0.4046	4.912779	-6.03048	1.20E-05	4.66E-05	2.773136	4.929567	5.059469	4.900514	4.448742	4.352066	4.460795	4.83866	4.922558	4.687485	5.389369	5.423946	5.359952	5.049546	5.026432	5.163969	4.950708	5.135275	5.227124
TM2D1	ENSG00000162604	0.072062	4.971906	0.877805	0.391957	0.456845	-7.11636	5.397444	5.393175	5.396406	5.479843	5.342823	5.435149	5.69423	5.774066	5.686969	4.529864	4.483212	4.575288	4.679202	4.725555	4.512148	4.365992	4.521577	4.399883
USP1	ENSG00000162607	-0.78121	6.062521	-6.0272	1.21E-05	4.68E-05	2.639208	6.206505	6.323886	6.336266	6.017729	5.981675	5.995687	6.259498	6.486052	6.373466	6.252981	6.219803	6.358792	5.140267	5.112436	5.113381	6.449959	6.399208	6.521324
FUBP1	ENSG00000162613	-0.15026	7.372789	-2.90751	0.009601	0.017025	-4.24032	7.229105	7.230023	7.157415	7.289336	7.206364	7.235461	7.49139	7.39948	7.487353	7.548604	7.53669	7.479492	7.223394	7.179521	7.234727	7.585945	7.68197	7.676661
NEXN	ENSG00000162614	0.017538	1.138753	0.116957	0.908227	0.924741	-6.76116	1.430644	1.002471	1.146821	1.578054	1.373859	1.422231	0.886508	1.15884	0.925731	2.444376	2.135404	2.382761	2.314863	2.016959	2.294605	2.173627	2.354144	2.419973
DNAJB4	ENSG00000162616	0.457394	5.036738	4.327802	0.000431	0.001074	-0.87564	4.410898	4.34846	4.229112	5.290513	5.239802	5.227023	5.198536	5.127313	5.179186	5.159875	5.162472	5.099408	5.306202	5.324918	5.183718	5.315009	5.426702	5.265357
TYW3	ENSG00000162623	-0.37887	5.320073	-7.83113	4.05E-07	2.53E-06	6.186093	5.194191	5.066741	5.097747	4.733909	4.681813	4.668345	4.825625	5.007978	5.072328	6.06791	5.911195	5.844958	5.619524	5.556356	5.61495	5.818911	5.779172	5.896886
SNX7	ENSG00000162627	0.687739	4.118846	9.363147	3.16E-08	3.02E-07	9.016372	3.719942	3.888531	3.565652	4.502891	4.439897	4.57438	3.866715	4.230044	3.935772	3.950439	3.975599	4.140085	4.684821	4.569504	4.535391	4.37837	4.423801	4.299055
FAM102B	ENSG00000162636	0.369219	3.53794	3.68676	0.001759	0.00375	-1.90493	3.682132	4.051346	3.755225	4.316764	4.462952	4.379778	3.916741	4.090149	3.796224	3.236329	3.356645	3.172678	3.27416	3.453829	3.412858	3.227721	3.058015	3.364179
HENMT1	ENSG00000162639	-0.43289	2.875669	-3.58112	0.002219	0.004612	-2.21865	2.609804	2.448351	2.558197	1.578054	1.307481	1.422231	2.144798	2.184314	1.962896	4.35077	4.344483	4.497508	4.097807	4.385617	4.056758	4.147172	4.162364	4.323421
C1orf52	ENSG00000162642	-0.30919	4.899608	-5.32359	5.11E-05	0.000165	1.281253	4.867751	4.687262	4.574673	4.359318	4.352066	4.645422	4.673889	4.474723	4.674259	5.614043	5.4757	5.427652	5.210117	5.167914	5.138897	5.255863	5.282007	5.227124
GBP2	ENSG00000162645	1.100564	3.134685	14.92924	2.19E-11	1.10E-09	16.40131	2.165157	2.09705	1.954926	2.605941	2.737798	2.805104	2.058296	2.184314	1.918715	4.125171	4.214605	4.050743	5.186547	5.18338	5.33488	3.900611	4.011424	3.770842
ATXN7L2	ENSG00000162650	-0.7253	3.425892	-9.65476	2.01E-08	2.09E-07	9.556778	3.672523	3.608619	3.745844	2.864145	2.926537	2.805104	3.137083	3.102941	2.915195	4.382206	4.112675	4.293123	3.703037	3.745389	3.533199	3.889124	3.955266	3.797179
GBP4	ENSG00000162654	-0.59281	0.670449	-3.31486	0.003976	0.007746	-2.64795	0.587539	0.499412	0.829201	0.106501	0.106501	0.2349	0.269385	0.106501	0.39151	3.926269	3.930661	4.124247	3.587808	3.738425	3.437743	4.072963	4.111883	4.170642
ZNF326	ENSG00000162664	-0.18603	5.173047	-1.9544	0.066844	0.096411	-5.81732	4.798758	4.599733	4.777019	5.015132	5.024245	5.033133	4.599263	4.747338	4.776822	5.808398	5.757239	5.852187	5.343978	5.363901	5.39964	5.669122	5.60153	5.713156
AGL	ENSG00000162688	0.237088	4.872868	3.276399	0.004324	0.008353	-3.16637	4.428132	4.634406	4.388298	4.88719	4.720591	4.824468	4.737903	4.790167	4.732845	5.096306	5.251956	5.201052	5.313474	5.320261	5.418515	4.914336	5.012228	4.958165
EXTL2	ENSG00000162694	0.853061	3.970262	6.495476	4.79E-06	2.10E-05	3.901655	2.996191	2.90305	3.090013	4.350907	4.091068	4.427589	4.101117	4.128801	4.112876	4.13047	4.040487	4.175097	4.659362	4.569504	4.708971	4.185243	4.205799	4.382594
SLC30A7	ENSG00000162695	0.220726	5.527496	3.120594	0.006067	0.011313	-3.61518	4.833667	4.80064	4.636889	5.227586	5.212855	5.2875	5.162706	5.246342	5.216162	6.007276	6.059456	6.052717	6.12739	6.060794	6.12437	5.939365	5.987961	6.125399
ZNF281	ENSG00000162702	-0.05403	5.889466	-1.28384	0.215958	0.270717	-6.8729	6.29371	6.269775	6.135406	6.229828	6.116215	6.206137	6.106247	6.254423	6.185827	5.667877	5.762057	5.6178	5.626839	5.587692	5.652638	5.619586	5.603561	5.534225
ARPC5	ENSG00000162704	0.306214	7.561387	4.477529	0.000311	0.000808	-0.84341	7.755925	7.749339	7.758412	7.870985	7.840848	7.912186	7.86393	7.933391	7.89833	7.158383	7.136392	7.112454	7.571192	7.671878	7.603407	7.076606	7.184136	7.152985
ZNF496	ENSG00000162714	0.196156	5.130566	3.922155	0.001048	0.002357	-1.80441	4.846543	4.843609	4.908943	5.232173	5.221894	5.110498	4.968851	4.922558	4.813478	5.319175	5.307937	5.363329	5.47622	5.455925	5.384788	5.353134	5.394214	5.191165
IGSF8	ENSG00000162729	-0.44959	5.770011	-2.6183	0.017704	0.029358	-4.65804	5.98955	5.948154	5.99598	4.971905	4.801196	4.696497	5.925627	5.813157	6.043926	6.116785	6.018435	6.180741	6.162044	6.095271	6.106375	5.838454	5.917862	5.754064
PEA15	ENSG00000162734	-0.02633	7.572553	-0.34159	0.736731	0.77953	-7.84256	7.655237	7.57097	7.60604	7.281613	7.266567	7.250731	7.475831	7.363468	7.386545	7.715681	7.558085	7.681039	7.929624	7.885913	7.863121	7.657093	7.629605	7.670739
PEX19	ENSG00000162735	-0.12983	6.009656	-3.48402	0.002745	0.00557	-2.88043	6.157402	6.218461	6.104547	5.946944	5.962929	6.044692	5.913358	6.012346	6.038775	6.072047	6.135682	6.081709	6.011444	5.980438	6.022499	5.915499	6.032367	5.936917
NCSTN	ENSG00000162736	0.62789	8.111248	13.11992	1.76E-10	4.94E-09	13.97353	7.898248	7.869078	7.890376	8.685249	8.557656	8.675735	7.902459	7.849817	7.916698	7.904974	7.928957	7.874218	8.422213	8.39116	8.424231	7.960602	7.940453	8.009325
FCRLB	ENSG00000162746	-1.31356	1.290578	-10.0183	1.15E-08	1.34E-07	10.216	1.336422	1.226787	1.30847	0.934951	1.006428	1.055701	1.240874	0.824004	1.01237	3.255856	3.330936	3.555853	2.178139	2.169719	2.014873	2.639009	2.518186	2.629903
KLHDC9	ENSG00000162755	1.570049	0.65729	8.938348	6.22E-08	5.32E-07	8.55886	0.814199	0.736739	0.898566	1.326771	1.556428	1.799787	0.670238	0.387194	0.629397	1.490718	1.672391	1.305813	2.738794	2.729118	2.618601	1.880661	1.956613	1.775544
C1orf74	ENSG00000162757	-0.62048	3.760996	-6.55625	4.26E-06	1.90E-05	4.101151	4.416666	4.429669	4.531653	3.766043	3.574682	3.643939	4.023335	3.967564	3.808383	4.037631	3.709078	3.872611	3.395624	3.583837	3.454098	3.842237	3.765107	3.831562
FLVCR1	ENSG00000162769	-0.37963	5.667125	-5.37294	4.61E-05	0.00015	1.323031	5.819295	5.798943	5.81496	5.667647	5.72937	5.688828	6.227647	6.225736	6.195117	5.685984	5.709818	5.631871	5.090337	5.026432	5.108223	5.682493	5.757443	5.687573
ATF3	ENSG00000162772	-1.26555	4.059406	-3.89328	0.001117	0.002493	-1.54452	6.035255	6.120531	6.071137	4.112999	3.722109	3.700636	4.437325	4.55497	4.372382	3.629659	3.398501	3.585074	3.416036	3.688714	3.843644	3.341669	3.520448	3.352387
RBM15	ENSG00000162775	-0.43232	4.351066	-5.71237	2.29E-05	8.10E-05	2.292501	4.785446	4.733688	4.777019	4.605448	4.470555	4.48682	4.968851	5.028565	4.889843	4.337085	4.407337	4.289577	3.840269	3.745389	3.727354	4.21775	4.041704	4.305185
DENND2D	ENSG00000162777	0.220014	1.187844	2.246432	0.037863	0.057981	-5.03799	0.318509	0.106501	0.421314	0.258133	0.389229	0.3528	0.269385	0.387194	0.256032	4.809665	4.709571	4.66833	4.912595	4.847068	4.981384	4.805497	4.699246	4.874064
IER5	ENSG00000162783	-1.11153	7.133473	-21.5113	5.09E-14	1.32E-11	22.41054	7.808421	7.877373	7.901507	6.75467	6.81811	6.680757	7.787846	7.65834	7.707832	7.106895	7.183841	7.288867	6.108702	6.134259	6.076316	7.36638	7.207696	7.143608
SNED1	ENSG00000162804	2.01463	3.366415	11.8738	8.51E-10	1.68E-08	12.78481	3.236881	3.505362	3.347346	5.132645	5.079986	5.171943	4.339849	4.203129	4.313883	2.163418	2.267764	2.07201	4.191564	4.132949	3.880413	2.283004	2.315011	2.252429
BPNT1	ENSG00000162813	-0.21863	5.561091	-2.11932	0.048663	0.072591	-5.5806	5.417718	5.569905	5.458019	5.087795	4.782991	4.874612	5.498697	5.629937	5.392079	5.982583	5.994071	5.930545	5.977511	5.953629	5.955152	5.712133	5.694037	5.769665
SPATA17	ENSG00000162814	0.397376	1.26538	1.887015	0.075882	0.107917	-5.00612	1.681202	1.631689	2.018628	1.978268	1.2379	1.714252	1.074544	1.430416	2.047395	1.555182	1.777644	1.780195	2.225168	2.50126	2.058312	1.903678	1.878239	1.877799
C1orf115	ENSG00000162817	1.216313	2.510707	5.428249	4.11E-05	0.000136	2.204358	4.044416	4.177623	4.145977	5.499001	5.458224	5.448454	4.544628	4.610649	4.613192	1.116489	1.029669	1.126631	1.121891	1.16289	1.209118	1.45147	1.645686	1.170016
BROX	ENSG00000162819	-0.02752	5.738392	-0.51197	0.615079	0.670538	-7.54339	6.143557	6.067143	6.084222	5.993618	5.876854	6.000211	6.146113	6.090306	6.01011	5.506075	5.504735	5.478369	5.508262	5.642809	5.568761	5.338427	5.449467	5.391714
NBPF20	ENSG00000162825	-0.09585	2.675044	-0.77527	0.448543	0.512688	-6.71488	2.850396	2.748839	2.900124	2.91067	2.991399	3.321269	2.513265	2.753138	2.616448	3.206534	3.232543	2.902498	2.902055	2.743101	2.76998	2.878584	2.741225	3.107809
ACP6	ENSG00000162836	-0.38114	5.458705	-3.95961	0.000965	0.002196	-1.76874	5.641082	5.546688	5.506038	4.59836	4.764552	4.803913	5.173034	5.348128	5.265504	5.866711	5.75079	5.765503	5.675625	5.646534	5.781349	5.951842	5.862958	5.936917
TFB2M	ENSG00000162851	-0.34519	5.986606	-3.85042	0.001227	0.002707	-2.04188	6.78109	6.744686	6.771358	6.159327	6.159196	6.057773	6.552364	6.591862	6.500674	5.564009	5.525662	5.705565	5.525587	5.593492	5.607658	5.505727	5.417494	5.442654
CNST	ENSG00000162852	0.238002	5.394959	4.148284	0.000638	0.001519	-1.32035	5.346988	5.482886	5.228093	5.800209	5.647884	5.688828	5.597858	5.711779	5.623012	5.293423	5.196089	5.236474	5.331496	5.421557	5.345877	5.297735	5.282007	5.214151
PPP1R21	ENSG00000162869	0.452672	4.794287	4.978256	0.000106	0.000311	0.562645	4.758449	4.756352	4.676925	4.797189	4.70778	4.740428	4.504297	4.511753	4.585199	4.81954	4.709571	4.708717	5.487516	5.368419	5.46364	4.879929	4.769683	5.019105
PKDCC	ENSG00000162878	0.316356	1.246539	2.436901	0.025765	0.041137	-3.90721	2.165157	2.49222	2.326135	2.548252	2.633282	2.741673	2.340763	2.290412	2.34318	1.199504	1.300837	1.061592	1.154653	1.282615	1.456457	1.214313	1.206659	1.170016
B3GALNT2	ENSG00000162885	-0.00603	5.050369	-0.13057	0.897604	0.916499	-7.57666	5.019487	5.084762	5.134153	5.041505	4.966263	4.956049	5.093706	5.112925	5.112107	5.170202	5.097884	5.113515	5.202303	5.10974	5.220033	5.129758	5.021374	5.119922
MAPKAPK	ENSG00000162889	-0.28994	6.800448	-7.79795	4.29E-07	2.66E-06	5.968192	6.761961	6.684506	6.674569	6.361268	6.291721	6.422153	6.593315	6.61587	6.568371	7.146663	7.11207	7.149114	6.941858	6.892465	6.852145	7.217031	7.167755	7.199802
FCMR	ENSG00000162894	0.467456	-0.92897	2.544309	0.020651	0.033719	-3.84094	0.216396	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	1.964162	1.899254	2.25768	2.25569	2.549802	2.294605	2.135245	2.212266	2.549558
CAPN2	ENSG00000162909	0.657479	8.94709	8.965466	5.95E-08	5.14E-07	7.881336	8.38115	8.321101	8.379401	8.760211	8.795315	8.760518	9.108076	9.149311	9.094729	8.412834	8.457014	8.404972	9.292918	9.268619	9.317463	9.745394	9.71485	9.74117
MRPL55	ENSG00000162910	-0.67642	5.013283	-6.26689	7.50E-06	3.10E-05	3.311547	6.083187	6.083368	6.26418	5.195063	5.253089	5.183924	5.620676	5.45466	5.602211	4.557665	4.602618	4.745417	4.222798	4.279275	4.431851	4.697684	4.629187	4.236277
OBSCN-AS	ENSG00000162913	1.344602	1.106495	9.089136	4.88E-08	4.35E-07	8.767825	1.12723	1.118985	1.358564	1.791994	1.864131	1.714252	1.525136	1.658879	1.918715	1.315703	1.335727	1.219002	2.504718	2.250257	2.365487	2.013561	1.795362	1.703111
WDR26	ENSG00000162923	0.011295	7.250282	0.33433	0.742109	0.784346	-7.80841	7.400428	7.476529	7.45305	7.502737	7.480317	7.505873	7.388783	7.447094	7.358911	7.15968	7.166381	7.09935	7.051388	7.154888	7.133645	6.956542	6.955933	6.991305
REL	ENSG00000162924	-0.11643	3.936198	-0.78776	0.441388	0.505767	-6.9281	4.625314	4.760843	4.795321	4.041626	4.213935	4.473866	4.889651	4.831761	4.66091	3.50465	3.455132	3.269454	3.658044	3.614588	3.849837	3.350072	3.394711	3.31642
PUS10	ENSG00000162927	-0.44063	2.448732	-2.9612	0.008557	0.015343	-3.20818	3.128595	3.100202	2.794903	2.577385	2.078331	2.374422	3.072345	2.801791	3.023464	3.002038	2.66072	2.766268	2.661114	2.533802	2.703134	2.35157	2.500854	2.549558
PEX13	ENSG00000162928	-0.21109	5.484513	-3.01824	0.007569	0.013769	-3.82007	5.180696	5.099019	5.033667	4.99368	4.825118	4.979151	5.277239	5.356295	5.197793	6.120784	6.109458	6.133064	5.886577	5.841114	5.921732	5.77121	5.798808	5.815479
KIAA1841	ENSG00000162929	0.164188	2.933691	1.377913	0.185617	0.237129	-6.11633	3.262728	3.222448	3.148134	3.142765	3.053471	3.016392	3.158032	3.250449	3.468658	2.868884	2.958081	3.077191	3.325419	3.38415	3.244428	2.831347	3.058015	2.668457
DISC1	ENSG00000162946	0.564544	1.366591	3.470406	0.002829	0.005714	-1.90461	2.780548	2.232543	2.248556	2.887595	2.520598	2.581827	1.917967	1.85606	1.727075	1.388276	1.435603	1.248523	1.99126	1.946191	1.876113	1.177011	0.975239	1.370407
CAPN13	ENSG00000162949	0.29963	-0.06145	2.531293	0.021215	0.034541	-4.30519	0.106501	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	3.805587	4.122698	3.696374	4.110387	4.073319	4.029733	3.493521	3.903444	3.734962
MEMO1	ENSG00000162959	0.150394	1.198288	0.813196	0.427045	0.492143	-6.21856	1.826927	2.283367	2.274882	2.181668	2.299368	2.132113	2.480375	2.108984	2.274723	1.352446	1.190799	1.49011	1.473091	1.528499	1.390007	1.482378	1.289746	0.872651
DPY30	ENSG00000162961	-0.3816	5.830498	-4.84511	0.000141	0.000399	0.129101	6.266821	6.244347	6.119151	5.591153	5.554381	5.411567	5.83422	5.871301	5.866318	5.948488	5.958134	5.998365	5.802503	5.871668	5.855558	5.707235	5.766537	5.754064
TYW5	ENSG00000162971	0.017063	4.257705	0.220529	0.828014	0.857578	-7.35352	4.445163	4.574447	4.406272	4.254996	4.352066	4.178918	4.695544	4.734864	4.613192	4.076585	4.051023	4.025385	4.114557	4.372183	4.261115	4.306784	4.304002	4.255399
MAIP1	ENSG00000162972	-0.43884	4.524413	-4.41541	0.000356	0.000908	-0.56579	4.909255	5.106095	5.006431	4.290615	4.213935	4.045196	4.673889	4.771967	4.732845	4.588795	4.494836	4.621149	4.483553	4.442428	4.398437	4.530299	4.70304	4.587619
KCNF1	ENSG00000162975	-0.34357	3.024717	-2.85086	0.010836	0.01896	-3.44649	4.165822	4.204245	4.215584	3.647423	4.051057	3.572823	4.496094	4.316298	4.33084	2.100009	2.285719	2.53427	2.314863	2.250257	2.161508	2.597261	2.601856	2.397196
SLC66A3	ENSG00000162976	0.185576	3.982723	0.978782	0.341042	0.405093	-6.8039	4.785446	4.877086	4.790768	4.236852	4.368438	4.358792	4.384974	4.405576	4.534865	3.294134	3.278101	3.297971	4.126992	4.195307	4.199397	3.530961	3.32748	3.477085
ARL5A	ENSG00000162980	-0.19893	6.447156	-2.5676	0.019676	0.032306	-4.83156	6.596508	6.598061	6.626822	6.768946	6.649161	6.675109	6.755021	6.747438	6.696557	6.533567	6.517279	6.471835	5.983222	6.077446	6.080272	6.219429	6.175789	6.18811
LRATD1	ENSG00000162981	0.936976	2.912791	13.9229	6.79E-11	2.47E-09	15.18199	0.587539	0.582935	0.421314	0.934951	1.373859	1.250575	1.074544	0.622068	0.925731	5.77326	6.039753	5.8878	6.770139	6.819276	6.805904	6.171633	6.226757	6.092105
CLHC1	ENSG00000162994	0.375424	1.674442	2.546663	0.02055	0.03357	-3.9212	1.755904	1.591918	1.744977	2.021307	2.117603	2.374422	1.648695	2.290412	1.38134	2.282443	2.212518	2.16783	2.371704	2.307842	2.513282	2.173627	2.146913	2.549558
PRORSD1P	ENSG00000162997	0.509131	-0.28825	2.458828	0.024633	0.039509	-3.82013	0.503316	0.316291	0.421314	0.395333	0.389229	0.746642	0.415731	0.726566	0.515351	1.555182	1.300837	1.653508	1.733794	1.897007	1.970087	1.214313	1.16325	1.370407
DUSP19	ENSG00000162999	0.284107	0.613068	0.657298	0.519552	0.581576	-6.1879	2.369288	2.356396	2.138168	1.978268	2.117603	1.993763	2.480375	2.290412	2.127218	0.269074	0.848253	0.958181	1.473091	0.986036	1.390007	0.393424	0.433238	0.999041
CFAP36	ENSG00000163001	0.313774	5.355606	5.092503	8.31E-05	0.000251	0.754388	5.883176	5.83559	5.854773	5.946944	5.919145	6.015936	5.59402	5.543171	5.515873	4.86157	4.872886	4.828401	5.363378	5.375169	5.350253	4.796302	4.725598	4.802199
NUP35	ENSG00000163002	-0.01211	4.867823	-0.15027	0.882275	0.903982	-7.5288	4.69816	4.783088	4.647003	4.733909	4.635214	4.627987	5.198536	5.178875	5.174497	5.060666	4.942447	4.979091	4.980412	4.968095	5.025827	5.018176	4.965609	4.914724
CCDC138	ENSG00000163006	-0.84662	3.337737	-7.94866	3.29E-07	2.13E-06	6.7983	3.454357	3.57841	3.454879	3.083078	2.970101	3.200652	3.988671	3.956862	3.60036	3.914031	3.722323	3.769472	2.770846	2.824271	2.858649	3.894879	3.772348	3.914098
FBXO41	ENSG00000163013	0.302078	3.414851	3.092631	0.006445	0.011952	-3.4575	1.719036	1.591918	1.667608	2.840308	2.299368	2.581827	1.867984	1.710758	2.239236	5.085433	5.000678	5.043664	5.280456	5.238714	5.173877	5.442295	5.547687	5.403191
WDCP	ENSG00000163026	-0.17249	5.033322	-2.75062	0.013405	0.022929	-4.25488	5.325688	5.181722	5.238162	5.15214	4.694855	5.068031	5.198536	5.298133	5.131593	5.071726	4.953722	5.058324	4.96202	4.913495	4.950015	5.075046	5.036489	5.102428
SMC6	ENSG00000163029	-0.22923	5.636943	-2.57675	0.019306	0.031741	-4.67646	6.169409	6.146502	6.151479	6.248061	6.214581	6.242871	6.132946	6.194191	5.975483	5.449962	5.459973	5.388409	4.848959	4.888549	4.923833	5.20581	5.157568	5.239981
CCDC74A	ENSG00000163040	1.218033	0.485777	4.579	0.00025	0.000664	0.609864	2.320899	2.232543	2.166567	2.714828	3.295295	3.069023	1.966276	2.511284	2.274723	0.34397	0.259702	0.397516	1.121891	0.784432	0.812339	0.517985	0.759002	0.497646
H3-3A	ENSG00000163041	0.421153	7.75151	8.38499	1.56E-07	1.13E-06	6.952646	7.5097	7.52749	7.494946	8.156271	8.120623	8.078121	7.781953	7.825757	7.754925	7.633161	7.572784	7.581609	7.840877	7.866881	7.826295	7.70865	7.667965	7.704757

COQ8A	ENSG00000163050	-0.40613	4.12496	-3.8897	0.001126	0.00251	-1.73166	4.543331	4.584615	4.307715	3.487804	3.820593	3.776446	3.370387	3.214961	3.254305	4.762664	4.872886	4.840568	4.633447	4.671739	4.584502	4.365992	4.473517	4.299055
SLC16A14	ENSG00000163053	0.744517	4.404522	5.533478	3.30E-05	0.000112	1.823521	2.815895	3.169391	3.06005	4.392481	4.470555	4.434292	4.393833	4.212157	4.380548	4.812964	4.726103	4.881185	5.188526	5.22881	5.260115	5.163525	5.069195	5.073988
SGCB	ENSG00000163069	0.584799	5.162686	11.11246	2.38E-09	3.72E-08	11.52954	5.027048	5.08834	5.180147	5.591153	5.74826	5.713835	5.131269	5.293887	5.107194	4.842324	4.890593	4.771071	5.284162	5.404061	5.4817	5.041713	5.066252	5.019105
SPATA18	ENSG00000163071	0.686114	0.247441	2.512649	0.022049	0.035758	-3.54541	3.643304	3.505362	3.586821	4.316764	4.213935	4.233737	3.137083	2.960209	2.82232	0.269074	0.259702	0.397516	0.352262	0.345231	0.335616	0.106501	0.106501	0.214669
NOSTRIN	ENSG00000163072	-0.07881	-0.07072	-0.27469	0.786777	0.822825	-6.21948	1.826927	1.708084	1.78216	1.519216	2.078331	1.993763	1.816207	1.85606	1.873138	0.7264	0.583785	0.397516	0.294634	0.484926	0.533283	0.326864	0.504542	0.805046
SGPP2	ENSG00000163082	0.793188	3.632742	10.23855	8.32E-09	1.02E-07	10.41016	2.798329	2.935191	2.739267	3.633621	3.6964	3.711713	3.137083	3.26787	3.124172	3.77884	4.23323	3.919248	4.707079	4.596713	4.688381	4.098126	4.237539	4.376785
INHBB	ENSG00000163083	-0.50627	5.304755	-2.42068	0.026634	0.042356	-5.09224	4.538049	4.553894	4.616447	2.181668	2.366112	1.623325	2.779728	2.777669	2.530983	7.747497	7.74733	7.872442	7.617831	7.605017	7.577516	7.958199	7.818086	7.839684
BBS5	ENSG00000163093	-0.3561	3.147082	-2.51668	0.021866	0.035496	-4.2696	3.936145	3.863696	4.117166	3.020814	3.378481	3.119801	3.555458	3.160038	3.357206	3.145032	3.166245	3.109727	3.149671	3.213858	3.253801	3.123735	2.813204	3.107809
SMARCAD:	ENSG00000163104	0.292864	5.989661	5.853091	1.72E-05	6.34E-05	2.252165	5.781799	5.896035	5.910407	6.036208	5.946666	5.986596	5.952856	5.943547	6.031013	5.905864	5.927012	5.855788	6.2781	6.3253	6.314389	6.004695	6.102991	6.036078
PDLIM5	ENSG00000163110	0.416053	8.027751	3.137576	0.005847	0.010944	-3.81088	7.504293	7.484697	7.482293	8.497019	8.376265	8.483935	8.060319	8.107986	8.09105	8.164929	8.153345	8.153419	8.053144	8.042884	8.146775	7.889958	7.947667	7.964518
RPRD2	ENSG00000163125	-0.2541	6.45352	-8.51233	1.26E-07	9.49E-07	7.280459	6.550034	6.544374	6.443147	6.229828	6.261358	6.267477	6.524402	6.515521	6.530339	6.573994	6.580465	6.561304	6.319321	6.340326	6.325543	6.661395	6.624981	6.615597
CTSS	ENSG00000163131	0.324515	5.741678	2.09294	0.05123	0.076055	-5.68643	4.846543	5.081176	4.95851	4.797189	4.7142	4.740428	5.223595	5.289629	5.179186	6.551455	6.546428	6.502024	7.130205	7.072144	7.07471	6.029758	6.135644	6.059839
MSX1	ENSG00000163132	-1.29719	0.320362	-2.89198	0.009925	0.017541	-2.80846	4.702888	4.629503	4.647003	3.503067	3.656958	3.405543	3.891945	3.736817	3.844255	0.415169	0.106501	0.288049	0.106501	0.190544	0.106501	0.393424	0.358227	0.315289
PACRGL	ENSG00000163138	-0.32133	4.841429	-3.30138	0.004094	0.007956	-3.10534	5.187459	5.113136	4.994599	4.299384	4.400635	4.256608	4.659269	4.637703	4.542164	5.230663	5.160041	5.265644	5.182581	5.13912	5.231938	4.914336	4.996855	4.878182
LYSMD1	ENSG00000163155	-0.25543	4.275298	-4.77484	0.000164	0.000457	0.221604	4.381709	4.336476	4.16017	4.072648	4.030628	3.97338	4.068294	4.147745	4.00079	4.667452	4.709571	4.835713	4.499582	4.596713	4.444184	4.450484	4.414575	4.536426
SCNM1	ENSG00000163156	-0.01727	5.472503	-0.18259	0.857222	0.882247	-7.67279	5.460225	5.272573	5.293935	4.839889	4.789085	4.903882	5.131269	5.068879	5.052019	5.92276	5.776414	5.89715	6.138693	6.107484	6.106375	5.764939	5.773771	5.832557
VPS72	ENSG00000163159	-0.15288	6.586296	-2.27802	0.035547	0.054746	-5.42755	6.435391	6.329943	6.315808	5.85774	6.064398	5.940258	6.051319	6.107342	6.336161	7.110251	7.042493	7.074324	7.137906	7.108382	7.037208	6.951028	7.024249	6.921193
ERCC3	ENSG00000163161	0.262026	6.6218	4.759342	0.000169	0.000471	-0.15541	6.208169	6.221723	6.239328	6.624643	6.604936	6.740116	6.651719	6.656119	6.601937	6.73571	6.70911	6.687915	6.847322	6.822572	6.813054	6.811187	6.730986	6.759829
RNF149	ENSG00000163162	1.330238	5.35776	20.09935	1.60E-13	2.86E-11	21.29604	4.584905	4.594711	4.498524	5.85774	5.77614	5.870309	5.863212	5.975709	5.860491	4.61171	4.588222	4.601264	5.897506	5.933952	5.876944	5.655626	5.526431	5.575386
IWS1	ENSG00000163166	-0.16452	6.431465	-4.43936	0.000338	0.000867	-0.83094	6.722924	6.770524	6.691769	6.676049	6.555743	6.614431	6.428516	6.461656	6.48561	6.420236	6.382987	6.495113	6.222205	6.222995	6.24324	6.202126	6.256754	6.225761
BOLA3	ENSG00000163170	-0.48869	4.89323	-9.57192	2.28E-08	2.31E-07	9.276531	5.313374	5.29442	5.217952	4.898777	4.900234	4.798728	5.42715	5.412203	5.412136	4.896201	4.742447	4.783729	4.25337	4.205443	4.411058	5.004933	5.012228	5.01537
CDC42EP3	ENSG00000163171	0.432824	6.810368	3.642335	0.001939	0.004096	-2.66695	6.133086	6.013586	6.097189	5.918767	5.8095	5.937902	5.125963	5.155666	5.252213	7.655387	7.685698	7.716462	8.430389	8.457332	8.469682	7.683933	7.663103	7.703017
S100A11	ENSG00000163191	0.277586	8.879977	7.87195	3.76E-07	2.38E-06	5.968368	8.751187	8.785661	8.751602	8.943045	8.941659	8.934299	9.025344	8.940772	9.036161	8.627136	8.63301	8.590215	8.927769	9.01458	9.014938	8.986575	8.995104	8.997817
DHX57	ENSG00000163214	0.246664	5.61128	5.522838	3.37E-05	0.000114	1.607339	5.641082	5.496413	5.623372	5.824713	5.661235	5.735705	5.539183	5.443204	5.485906	5.569872	5.579421	5.567446	5.848285	5.849217	5.947952	5.522553	5.549795	5.663916
S100A9	ENSG00000163220	-1.31178	0.574574	-3.04272	0.007179	0.013157	-2.51491	4.309146	4.204245	4.003689	2.688367	2.660129	2.605775	3.891945	4.030158	4.132351	0.190076	0.185134	0.230035	0.5125	0.26996	0.470356	0.393424	0.358227	0.497646
TGFA	ENSG00000163235	-1.42782	4.407995	-13.2349	1.53E-10	4.48E-09	14.33521	3.300651	3.155816	3.443319	2.518519	2.299368	2.22781	2.376953	2.420731	2.530983	6.780215	6.951224	6.777342	5.47622	5.412836	5.354615	6.948263	6.982713	6.922191
CCNYL1	ENSG00000163249	0.151378	6.16981	0.786755	0.441963	0.506182	-7.41439	6.201502	6.213556	6.176132	7.141122	7.076608	7.010627	6.375839	6.4233	6.472298	5.970815	5.966507	6.056895	5.464835	5.489494	5.352435	5.992668	5.977034	6.088556
FZD5	ENSG00000163251	0.342873	5.927681	3.569196	0.002277	0.004715	-2.61328	6.153953	6.325403	6.344057	6.937112	6.801626	6.760261	7.063352	7.005467	7.033402	5.057888	5.235883	5.127485	5.237136	5.203748	5.128745	5.312861	5.302159	5.174518
DCAF16	ENSG00000163257	0.154	5.701001	3.596192	0.002146	0.00448	-2.62088	5.230664	5.253581	5.234814	5.529135	5.431202	5.45506	5.178171	5.319175	5.207006	6.195997	6.159004	6.047478	6.227027	6.227976	6.247937	6.013979	6.009569	6.183125
GNPDA2	ENSG00000163281	0.517561	5.065872	6.827518	2.54E-06	1.22E-05	4.407572	5.200891	5.191734	5.176661	5.573188	5.596688	5.631655	5.872748	5.910652	5.806958	4.417313	4.335892	4.362268	4.968945	4.959137	4.929692	4.67445	4.70304	4.7174
PAQR3	ENSG00000163291	-0.73226	4.810233	-14.0302	6.00E-11	2.24E-09	15.33827	4.984965	4.953612	4.89628	4.199863	4.091068	4.146631	4.832157	4.976535	4.732845	5.409124	5.361828	5.304813	4.679202	4.686287	4.735974	5.278052	5.126826	5.164438
NIPAL1	ENSG00000163293	-1.27221	3.663668	-6.60687	3.87E-06	1.75E-05	4.195072	4.351916	4.262405	4.208773	1.840866	1.996426	2.22781	3.219115	3.659726	3.681923	4.660143	4.765022	4.48516	3.855296	3.806595	3.939687	4.422866	4.547132	4.632189
ANTXR2	ENSG00000163297	-0.45254	5.718005	-3.1345	0.005887	0.01101	-3.52649	5.682365	5.577561	5.676178	5.55133	5.221894	5.334836	6.908164	6.842069	6.871895	5.651384	5.639998	5.689511	4.933985	5.003379	5.236673	5.971038	5.798808	5.876446
HELQ	ENSG00000163312	0.161761	3.135057	1.417994	0.173776	0.223565	-6.14265	3.313074	2.935191	3.119366	3.123142	3.012388	3.391835	3.388228	3.302095	3.306673	3.403229	3.278101	3.48321	3.663745	3.568213	3.486261	2.935534	3.287607	3.352387
MRPS18C	ENSG00000163319	-0.54307	4.849639	-9.60102	2.18E-08	2.24E-07	9.281527	5.038315	4.925889	4.840087	4.112999	4.276	4.315882	4.751751	4.722281	4.732845	5.342194	5.338363	5.40489	4.848959	4.934974	5.023089	5.221925	5.149249	5.259054
CGGBP1	ENSG00000163320	0.129535	6.039873	1.485738	0.155163	0.202863	-6.62749	5.966143	5.998455	5.904096	6.130133	6.140251	6.198283	6.602897	6.59359	6.541308	5.924286	5.9054	5.818136	5.916734	6.012542	5.873908	5.829467	5.901444	5.872323
ABRAXAS1	ENSG00000163322	0.009647	3.640949	0.084445	0.933662	0.94568	-7.27709	4.158957	4.342481	4.087767	3.674639	3.734793	3.818042	3.555458	3.564249	3.572114	3.651939	3.66174	3.754117	4.097807	4.011117	3.968435	3.236813	3.337278	3.421736
GPR155	ENSG00000163328	0.885454	1.478493	6.330139	6.62E-06	2.78E-05	4.032493	2.548084	2.576149	2.558197	3.408969	3.574682	3.377995	2.226405	2.451551	2.408535	1.199504	1.07167	1.219002	1.446877	1.622273	1.51998	1.286141	0.871168	1.115245
PMVK	ENSG00000163344	0.489178	5.615722	7.317888	1.02E-06	5.57E-06	5.217976	5.135946	5.127117	5.086643	5.794018	5.806499	5.767901	5.687041	5.882654	5.741885	5.471	5.463921	5.66235	5.868176	5.926312	5.821296	5.863618	5.811165	5.717759
PBXIP1	ENSG00000163346	1.988459	6.658277	13.49689	1.12E-10	3.53E-09	14.53245	5.853716	5.934306	5.918779	7.136235	7.253404	7.252628	6.257073	6.182756	6.1928	5.895008	5.919844	5.809496	8.408059	8.320932	8.305885	6.417342	6.52992	6.567956
CLDN1	ENSG00000163347	-0.63843	7.136306	-2.45962	0.024592	0.039454	-5.07604	8.935727	8.92722	8.929146	7.406588	7.358568	7.341777	8.087873	8.032276	8.03718	6.062376	6.031795	6.087847	6.618395	6.527691	6.548502	5.939365	5.87478	5.950669
PYGO2	ENSG00000163348	-0.04945	6.819679	-1.0289	0.317556	0.380784	-7.30209	6.516856	6.433424	6.443147	6.438717	6.442385	6.422153	6.660922	6.51187	6.513727	7.250691	7.199908	7.333458	7.215651	7.191044	7.179857	7.122703	7.043081	7.077993
HIPK1	ENSG00000163349	0.301358	5.98575	4.216981	0.000549	0.001333	-1.27681	5.214199	5.224615	5.344527	5.694487	5.703792	5.757249	6.054115	6.030322	5.94552	6.265076	6.264627	6.147827	6.394967	6.408816	6.42638	6.384993	6.438428	6.48263
DCST2	ENSG00000163354	1.093292	0.159358	3.615569	0.002057	0.004313	-1.47024	1.430644	0.582935	1.406977	1.457877	1.087782	1.623325	0.886508	1.001115	0.39151	1.073118	0.848253	0.807652	1.878105	1.681564	1.580823	0.837776	1.289746	0.999041
INAVA	ENSG00000163362	-0.3919	4.00901	-3.14123	0.005801	0.010871	-3.51789	2.526909	1.978677	2.166567	2.518519	2.811499	2.825643	1.525136	1.549165	1.620777	6.405012	6.341745	6.460843	5.988911	5.929373	5.857096	6.528878	6.524569	6.440088
LINC01116	ENSG00000163364	0.098697	1.119947	0.488265	0.631432	0.684696	-6.74933	1.069823	1.420874	1.30847	0.52061	1.2379	0.746642	0.415731	0.824004	1.0941	2.494552	2.388995	2.724859	2.930712	2.627242	2.870883	2.901634	2.813204	2.687355
YY1AP1	ENSG00000163374	0.189454	6.214069	3.620459	0.002035	0.004272	-2.60919	5.866415	5.891946	5.887131	6.102842	6.084358	6.092086	6.346481	6.341331	6.306464	6.233415	6.279264	6.311497	6.487083	6.431661	6.397073	6.406303	6.345603	6.404842
KBTBD8	ENSG00000163376	-1.14501	1.843682	-9.82258	1.55E-08	1.71E-07	9.928311	1.719036	1.883052	1.585853	1.022291	1.087782	1.310092	2.102195	1.760835	1.674905	3.376719	3.478738	3.470739	2.270712	2.48471	2.513282	3.218571	2.934355	3.050576
EOGT	ENSG00000163378	-0.03577	4.459893	-0.57914	0.569882	0.628967	-7.25219	4.842264	4.856254	4.986657	4.96641	4.894593	4.983728	4.799197	4.759705	4.66091	4.20268	4.278766	4.355501	4.126992	4.250194	4.134921	4.262954	4.178806	3.969186
NAXE	ENSG00000163382	0.263363	6.968221	4.903475	0.000124	0.000358	0.151063	7.440613	7.446878	7.489336	7.541135	7.605594	7.523267	7.537086	7.462307	7.462563	6.257831	6.169921	6.255346	6.698346	6.666234	6.619099	6.490433	6.557426	6.434506
POGLUT1	ENSG00000163389	0.33969	4.442642	5.983006	1.32E-05	5.06E-05	2.771705	4.102823	3.96057	3.914407	4.440838	4.318753	4.365821	4.520565	4.511753	4.599264	4.505601	4.599033	4.491347	4.813494	4.866361	4.772296	4.736662	4.847164	4.832225
SLC22A15	ENSG00000163393	0.628101	0.086596	3.553177	0.002359	0.004866	-1.81036	0.587539	0.316291	0.421314	0.258133	0.625525	0.563119	0.415731	0.253663	0.256032	2.033684	2.212518	1.915176	2.579013	2.784257	2.465679	2.26534	2.665466	2.033602
IGFN1	ENSG00000163395	-1.90962	1.092217	-5.8322	1.79E-05	6.55E-05	3.10645	3.911847	3.888531	4.167214	1.74141	2.520598	2.317553	2.779728	3.083395	2.981126	0.781331	1.112482	0.807652	0.701742	0.26996	0.470356	0.974502	0.975239	1.273688
ATP1A1	ENSG00000163399	-0.04083	9.404578	-0.3465	0.7331	0.776612	-7.97235	9.042398	9.06273	9.019496	9.30709	9.296363	9.328519	8.657202	8.596637	8.632832	9.904269	9.920852	9.89193	9.598927	9.622733	9.624075	9.952041	9.944544	9.921454
EIF4E3	ENSG00000163412	0.460484	1.65497	2.626735	0.017395	0.028913	-3.56324	3.27548	3.298545	3.231147	3.376187	3.502343	3.572823	3.474265	3.415864	3.289427	0.609835	0.89579	0.846782	1.420179	1.357245	1.209118	1.13872	1.329561	1.058313
LRRC58	ENSG00000163428	-0.45593	6.752857	-12.1104	6.25E-10	1.30E-08	12.76166	7.295562	7.229213	7.283513	6.882719	6.86502	6.922796	7.189535	7.194975	7.13465	6.7331	6.654018	6.639292	6.187994	6.1514	6.111539	6.434237	6.403878	6.49609
FSTL1	ENSG00000163430	0.612724	3.091454	2.604363	0.018227	0.030117	-3.48117	7.334929	7.413757	7.408415	7.995595	8.005611	8.004592	8.744628	8.602227	8.712225	0.483018	0.330605	0.397516	0.5125	0.416769	0.470356	0.326864	0.358227	0.409347
ELF3	ENSG00000163435	0.191505	5.101919	2.699056	0.014946	0.025258	-4.51411	4.428132	4.236845	4.307715	4.171485	4.158524	3.991672	3.072345	2.981485	3.124172	6.582718	6.628743	6.753088	6.955868	6.933441	7.011884	5.94631	5.930863	5.834677
TMEM183/	ENSG00000163444	-0.05698	6.10135	-0.99708	0.33233	0.395966	-7.21524	6.553964	6.524706	6.486032	6.44268	6.379154	6.363663	6.727255	6.519163	6.582599	5.766469	5.684664	5.85938	5.764537	5.826412	5.761774	5.699035	5.659306	5.627686
IGFBP7	ENSG00000163453	3.885129	-0.46473	11.7092	1.06E-09	1.99E-08	11.45385	0.216396	0.661886	0.598525	2.063099	2.429905	2.346268	1.70672	2.069791	2.047395	0.190076	0.185134	0.106501	1.121891	1.16289	1.129895	0.884806	0.637375	0.659518
TRIM46	ENSG00000163462	0.850035	0.466676	5.788202	1.96E-05	7.07E-05	2.831582	0.318509	0.410755	0.512639	0.258133	0.625525	0.563119	0.415731	0.253663	0.515351	2.543041	2.500824	2.314614	3.456014	3.131201	3.064395	2.807136	3.093137	2.912845
KRTCAP2	ENSG00000163463	0.281945	1.194376	1.284809	0.215626	0.270397	-5.86345	1.602421	1.277811	1.585853	2.103714	1.373859	2.098749	1.317361	1.430416	1.873138	1.964162	2.338281	1.73919	1.916818	1.897007	2.449456	1.286141	1.478665	1.775544
ARPC2	ENSG00000163466	0.30528	8.011063	8.708779	9.06E-08	7.27E-07	7.49895	7.66193	7.712143	7.675	8.000981	8.019932	8.014131	8.067949	8.120027	8.119386	7.807033	7.807214	7.84311	8.060726	8.135581	8.114986	8.40642	8.342805	8.394985
TSACC	ENSG00000163467	-0.78261	0.797032	-4.26042	0.000499	0.001225	-0.15574	1.990546	2.152784	1.921989	1.519216	1.006428	1.367251	1.525136	1.301009	1.244857	1.704765	1.699433	1.562415	1.336984	1.495836	1.129895	0.974502	1.478665	1.416439
CCT3	ENSG00000163468	-0.10213	9.718543	-4.35868	0.000403	0.001012	-1.24693	9.873573	9.851247	9.80997	9.704972	9.753417	9.727687	9.907861	9.89905	9.891298	9.647981	9.607043	9.601755	9.520384	9.514287	9.555505	9.715827	9.677372	9.706563
TMEM79	ENSG00000163472	0.729201	3.940782	7.778118	4.44E-07	2.74E-06	6.343286	3.337603	3.128277	3.359697	3.851999	3.878897	3.75519	4.174919	4.09991	4.279358	3.93235	3.913441	3.928397	4.718081	4.634714	4.62479	4.365992	4.400624	4.329449
SSR2	ENSG00000163479	0.48622	8.833183	9.873279	1.44E-08	1.60E-07	9.357417	8.258855	8.335472	8.324929	8.868032	8.786965	8.820908	8.834803	8.804534	8.867373	8.794618	8.776422	8.831365	9.233059	9.273746	9.259468	8.994135	8.959266	9.033332
RNF25	ENSG00000163481	-0.15075	5.661506	-3.30422	0.004069	0.007912	-3.23059	5.572986	5.452673	5.705507	5.312338	5.589722	5.484421	5.494585	5.484771	5.489686	6.031553	5.983108	5.985273	5.830653	5.821478	5.822871	5.785222	5.789916	5.800369
STK36	ENSG00000163482	0.141926	4.872952	2.133523	0.04733	0.070736	-5.46528	4.837972	4.644161	5.002498	4.881362	4.70778	4.651187	4.393833	4.324646	4.3476	5.312197	5.265591	5.12947	5.508262	5.458046	5.522983	4.871197	4.860815	4.922721
ADORA1	ENSG00000163485	0.354281	-0.94576	1.469719	0.159409	0.207614	-5.45992	0.216396	0.215206	0.106501	0.258133	0.25478	0.3528	0.106501	0.253663	0.256032	1.732907	1.228418	1.839597	1.916818	1.652223	1.456457	1.65509	1.737342	1.58715
NEK10	ENSG00000163491	0.04974	0.147519	0.183258	0.856704	0.881842	-6.301	2.526909	2.258179	2.492412	2.181668	2.299368	2.374422	1.648695	1.988058	2.087859	0.54782	0.462741	0.54756	0.828978	0.7293	0.593579	0.183756	0.2791	0.497646
CCDC141	ENSG00000163492	-2.45147	-0.46394	-9.50071	2.55E-08	2.54E-07	8.863415	3.756787	3.547555	3.81026	1.978268	1.666451	1.623325	3.219115	2.938616	2.981126	0.54782	0.259702	0.230035	0.106501	0.106501	0.106501	0.183756	0.2791	0.214669
CIP2A	ENSG00000163507	-1.54091	3.856722	-6.5227	4.55E-06	2.01E-05	4.045054	3.827767	3.855322	3.871922	3.605613	3.502343	3.744443	4.079318	4.040332	4.189248	4.812964	4.748933	4.86698	2.55467	2.888589	2.76998	4.515433	4.755137	4.840691
EOMES	ENSG00000163508	-0.62832	0.338072	-4.16084	0.000621	0.001483	-0.37431	0.947665	0.8079	1.028027	0.934951	0.92021	0.657796	0.886508	0.726566	0.629397	1.840286	1.945166	1.969371	1.27873	1.560439	1.355599	1.784732	1.613793	1.703111
CWC22	ENSG00000163510	-0.2781	5.638337	-3.5808	0.00222	0.004613	-2.62807	5.646	5.504468	5.638658	5.036268	5.044764	4.942007	5.37889	5.643348	5.552477	6.031553	6.015748	5.997278	5.93335	5.962621	5.909924	5.896979	5.9786	5.927013
AZI2	ENSG00000163512	0.268626	5.224519	5.833258	1.79E-05	6.54E-05	2.339717	5.128936	5.106095	5.11242	5.529135	5.510796	5.373711	5.452809	5.420016	5.526952	5.026968	5.105486	5.030978	5.284162	5.223832	5.208029	5.201172	5.214498	5.299535
TGFBR2	ENSG00000163513	0.870175	6.40372	17.3607	1.84E-12	1.78E-10	18.77458	5.578142	5.517795	5.508813	6.44268	6.448173	6.4069	6.386973	6.273954	6.399821	6.308968	6.254406	6.308872	7.177302	7.096857	7.093102	6.857604	6.759506	6.781977
ANKZF1	ENSG00000163516	-0.25957	4.842818	-2.95212	0.008725	0.015616	-3.87269	4.749336	4.599733	4.76778	4.218476	4.051057	4.170914	4.302704	4.050434	3.924645	5.435051	5.58849	5.496937	5.451713	5.320261	5.418515	5.52441	5.578995	5.528997
HDAC11	ENSG00000163517	0.607501	2.987876	6.291913	7.14E-06	2.97E-05	3.524244	2.438959	2.425906	2.248556	2.518519	2.811499	2.629332	1.816207	1.367163	2.309357	4.01489	3.981119	3.848714	4.647902	4.557684	4.504317	3.962207	3.822043	3.969186
FBLN2	ENSG00000163520	0.523177	2.091366	6.021828	1.22E-05	4.72E-05	2.643199	0.216396	0.410755	0.219246	0.106501	0.25478	0.106501	0.106501	0.253663	0.256032	7.016058	6.980457	7.118463	7.669399	7.570633	7.542573	7.222762	7.181419	6.983681
GLB1L	ENSG00000163521	1.007459	3.800627	13.19701	1.60E-10	4.63E-09	14.42882	3.887134	3.804029	3.726899	4.881362	4.877535	4.913508	3.904396	4.09991	4.093134	3.246125	3.26005	3.339716	4.207266	3.927863	4.093761	3.218571	3.511821	3.410407
STT3B	ENSG00000163527	1.134369	7.449837	8.616281	1.06E-07	8.27E-07	7.392181	6.485643	6.65827	6.590601	8.238364	8.202809	8.283699	7.989768	8.066278	8.046834	6.845307	6.853789	6.881707	7.452695	7.50752	7.500379	7.524161	7.493284	7.643176
CHCHD4	ENSG00000163528	-0.6608	4.747115	-9.0487	5.21E-08	4.59E-07	8.400153	5.053202	5.081176	5.183625	4.63346	4.558804	4.543715	4.504297	4.332946	4.45204	5.29814	5.155166	5.288917	4.460809	4.541772	4.667494	4.820694	4.940116	4.934632
SGO2	ENSG00000163535	-0.97706	3.865619	-3.7375	0.001573	0.003386	-1.81468	3.928091	4.014214	3.922756	4.263984	3.956756	4.088331	4.591583	4.802174	4.66091	4.271447	4.34876	4.369004	2.412911	2.743101	2.528806	4.142342	4.353122	4.249053
SERPINI1	ENSG00000163536	0.428921	2.150882	2.187656	0.042549	0.064374	-4.60166	2.707144	2.513665	2.446827	3.441022	3.242978	3.510758	2.513265	2.511284	2.670735	1.964162	2.174476	2.198406	2.009285	1.793303	2.220059	2.247458	2.078458	2.226823
CLASP2	ENSG00000163539	0.377407	5.407376	6.818647	2.58E-06	1.24E-05	4.303707	5.135946	5.116644	5.052811	5.558653	5.607073	5.669075	5.646849	5.656635	5.696813	5.162464	5.160041	5.091284	5.370368	5.354823	5.46364	5.814363	5.657352	5.754064
SUCLG1	ENSG00000163541	-0.40645	6.103096	-6.56894	4.16E-06	1.86E-05	3.717152	6.470473	6.472276	6.453268	6.009737	5.949389	5.97285	6.591391	6.567448	6.435535	6.059601	6.05815	6.178826	5.780368	5.801571	5.736926	5.879669	5.881493	5.952623
NUAK2	ENSG00000163545	-1.66759	5.335061	-6.07527	1.10E-05	4.30E-05	2.923757	7.957314	7.678717	7.804884	5.316663	5.446705	5.435149	6.239981	6.256606	6.315012	4.553726	4.447768	4.615496	4.234338	4.169652	4.288734	4.026533	4.11758	4.037057
PRKCI	ENSG00000163558	0.022993	5.45378	0.272467	0.788456	0.824219	-7.63231	5.35902	5.349122	5.313116	5.072529	4.871804	4.942007	5.300979	5.306587	5.346947	5.625347	5.618907	5.670552	5.880469	5.967096	5.879974	5.745959	5.770158	5.767446
IFI16	ENSG00000163565	0.488905	5.788591	3.998817	0.000886	0.002036	-1.7449	4.522086	4.901694	4.66702	5.833796	5.754503	5.730269	5.147073	5.510612	5.107194	6.190934	6.223301	6.21011	6.345276	6.411007	6.344309	6.56181	6.630969	6.642477
AIM2	ENSG00000163568	-0.78657	0.013859	-8.80202	7.77E-08	6.41E-07	8.193045	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.399867	4.479316	4.595532	3.640803	3.629721	3.824901	4.838721	4.914163	4.934632
EIF5A2	ENSG00000163577	0.193827	3.90164	1.466202	0.160354	0.208577	-6.22791	3.765853	3.608619	3.648527	4.400654	4.368438	4.407292	4.254886	4.221128	4.396744	3.968304	3.997554	3.955502	3.762697	3.846002	3.615478	3.934535	3.903444	3.945834
RPL22L1	ENSG00000163584	0.366387	4.954095	4.822984	0.000148	0.000417	0.302687	5.506933	5.564777	5.372225	5.901593	6.064398	5.997951	5.69064	5.80423	5.745052	4.065562	4.137605	4.186581	4.203356	4.349511	4.329194	4.469892	4.288934	4.472495
PPM1L	ENSG00000163590	0.437641	2.857745	4.11693	0.000684	0.001616	-0.91897	2.505419	2.576149	2.865896	3.20008	3.093416	3.548316	2.752438	2.568641	2.588518	3.294134	3.501964	3.240362	3.488503	3.599295	3.68641	2.75746	2.934355	2.830235
ICA1L	ENSG00000163596	0.028786	1.376066	0.129638	0.898333	0.917004	-6.73368	2.137484	2.068355	2.274882	1.791994	2.229385	1.714252	0.886508	1.710758	1.0941	2.01088	1.588084	2.136592	2.129525	2.148862	2.036756	2.013561	1.956613	1.973284
SNHG16	ENSG00000163597	-0.20132	7.16529	-3.91217	0.001072	0.002403	-2.05645	7.742785	7.808011	7.703747	7.57041	7.51933	7.568144	7.259054	7.297141	7.209908	6.979821	6.932826	6.965758	6.765506	6.800174	6.71891	6.767938	6.780307	6.778676
RYBP	ENSG00000163602	-0.0154	5.706097	-0.26606	0.793308	0.828175	-7.7026	5.121892	5.030008	5.130553	5.329563	5.248674	5.223158	4.926746	5.178875	4.978598	6.536564	6.52202	6.553934	6.440516	6.447761	6.366079	6.112353	6.023291	6.095646
PPP4R2	ENSG00000163605	-0.30962	6.260214	-5.52038	3.39E-05	0.000115	1.533082	6.438229	6.495365	6.367183	6.211362	6.094235	6.188405	6.417699	6.659423	6.393781	6.427788	6.379856	6.321081	6.017022	6.091177	5.996216	6.18696	6.092904	6.25614
GTPBP8	ENSG00000163607	-0.03853	3.933518	-0.48735	0.632069	0.685282	-7.24906	3.520128	3.741788	3.544167	3.591402	3.517104	3.711713	3.828023	4.090149	3.783962	4.290508	4.47541	4.447471	4.36607	4.429515	4.232958	4.374256	4.211138	4.399883
NEPRO	ENSG00000163608	0.128292	5.227806	1.94766	0.067703	0.097561	-5.80472	5.1077	5.10962	5.20089	5.025739	5.14795	4.918297	5.223595	5.380521	5.404147	5.213289	5.110531	5.214204	5.421744	5.489494	5.489655	5.42251	5.465192	5.467465
SPICE1	ENSG00000163611	-0.17259	3.000033	-2.96485	0.00849	0.015238	-3.43138	2.833249	2.966631	2.848472	2.714828	2.57804	2.629332	2.637802	2.825515	2.697131	3.599408	3.68898	3.71764	3.563615	3.576046	3.525482	3.617041	3.659719	3.631427
CCDC191	ENSG00000163617	0.569802	1.938812	3.186688	0.005256	0.009945	-2.72524	1.927307	2.232543	2.326135	1.578054	2.03796	2.258349	1.588238	1.760835	2.165532	2.356666	2.531245	2.228347	3.091636	3.131201	3.244428	2.154563	2.37332	2.442395
NKX6-1	ENSG00000163623	1.736399	-0.59105	3.273399	0.004352	0.008399	-2.11494	0.587539	0.106501	0.323815	1.393812	1.817192	1.799787	0.548589	0.106501	0.629397	0.781331	0.848253	1.061592	1.121891	1.357245	1.355599	1.058946	1.072305	0.805046
CDS1	ENSG00000163624	0.076636	4.027828	0.517563	0.611252	0.667285	-7.53548	3.210562	3.07157	3.104764	2.21912	1.556428	2.196611	0.983587	1.15884	1.445026	6.487853	6.408817	6.436199	6.687192	6.68718	6.619099	6.321242	6.314938	6.216033
WDFY3	ENSG00000163625	0.401811	5.755408	4.870328	0.000133	0.000381	0.15942	5.266237	5.015049	5.363051	5.737065	5.49597	5.921298	5.08826	5.122533	4.929347	6.141927	6.326647	5.938492	6.454562	6.369917	6.548502	6.213684	6.100116	6.090332
COX18	ENSG00000163626	-0.28252	4.004499	-3.58041	0.002222	0.004616	-2.26593	4.630287	4.584615	4.621585	4.375995	4.071202	4.079806	4.4712	4.273815	4.243986	3.956418	4.029873	3.91004	3.762697	3.806595	3.985412	3.658228	3.675254	3.611778
PTPN13	ENSG00000163629	0.75477	5.240837	5.489064	3.62E-05	0.000121	1.532089	3.756787	3.568199	3.65856	5.171375	5.212855	5.366721	3.841036	3.833587	4.011347	6.169215	6.237208	6.067286	6.645301	6.542759	6.557045	6.219429	6.218828	6.224144
C3orf49	ENSG00000163632	-0.49284	0.141615	-2.00897	0.060244	0.087916	-4.46011	5.259834	5.24399	5.148462	4.778495	4.681813	4.67402	6.244885	5.879824	6.202046	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
C4orf36	ENSG00000163633	-0.11332	1.323015	-0.71453	0.484337	0.547754	-6.75726	1.12723	1.327092	1.499186	0.395333	0.730585	0.909432	0.782422	0.509405	0.629397	3.226465	3.136872	3.283783	3.325419	3.162755	3.353069	3.26375	3.116085	3.215882
THOC7	ENSG00000163634	-0.21379	6.049983	-5.08734	8.40E-05	0.000253	0.637589	6.478767	6.377503	6.348712	6.187942	6.101599	6.087841	6.259498	6.271797	6.22717	5.93795	5.95112	5.929407	5.733698	5.898468	5.74193	5.918327	5.894824	5.960412
ATXN7	ENSG00000163635	-0.09211	5.893915	-0.97421	0.343243	0.407401	-7.18947	6.336934	6.244347	6.314222	6.450574	6.259165	6.37764	6.714937	6.738093	6.706336	5.608358	5.54629	5.536367	5.313474	5.236244	5.328241	5.329955	5.225092	5.308717
PSMD6	ENSG00000163636	-0.09627	6.496733	-2.30174	0.033894	0.052503	-5.37138	6.332364	6.473645	6.415312	6.357074	6.302412	6.258063	6.079044	6.116987	6.128792	6.795307	6.775738	6.914306	6.714917	6.807679	6.707871	6.743427	6.650749	6.667675
PRICKLE2	ENSG00000163637	0.594938	1.012469	3.941535	0.001005	0.002273	-1.01749	1.430644	1.277811	1.202741	1.104644	1.087782	1.623325	0.548589	0.915275	0.925731	2.224158	2.074736	1.986992	2.661114	2.837366	2.716753	1.833493	2.006592	1.877799
ADAMTS9	ENSG00000163638	1.951848	-1.35471	4.371377	0.000392	0.000988	0.231509	1.519087	1.226787	1.256574	3.408969	2.926537	3.364021	2.303642	2.029503	2.005764	0.106501	0.106501	0.16959	0.106501	0.190544	0.106501	0.183756	0.106501	0.106501
PPM1K	ENSG00000163644	0.34034	2.768873	1.427076	0.171179	0.220603	-6.1139	1.235614	1.631689	1.54317	3.255206	2.926537	3.231764	2.144798	2.389238	2.670735	3.688323	3.654848	3.579277	3.488503	3.375198	3.540876	4.000079	3.88352	4.223386
GMPS	ENSG00000163655	-0.24835	6.576038	-3.81503	0.001327	0.002902	-2.2128	6.755148	6.725287	6.740992	6.732178	6.616977	6.670859	6.621871	6.846424	6.744804	6.565216	6.596738	6.542807	6.133567	6.120934	6.257287	6.702994	6.637923	6.640054
TIPARP	ENSG00000163659	-0.17342	6.351014	-1.57944	0.132163	0.176353	-6.55317	6.831615	6.646185	6.727949	6.238973	6.184845	6.221718	6.437112	6.577961	6.449188	6.25662	6.349235	6.47418	6.478213	6.535747	6.446954	6.004695	5.954929	5.834677
CCNL1	ENSG00000163660	0.110414	5.164061	2.121616	0.048445	0.072288	-5.51329	5.015692	4.973094	4.966609	5.062262	5.079986	5.151751	4.920629	5.002785	5.092354	5.400378	5.49705	5.330922	5.472976	5.512128	5.534564	5.112574	5.227729	5.344873
PTX3	ENSG00000163661	-4.23315	1.415825	-6.27844	7.33E-06	3.04E-05	3.957665	5.82147	5.496413	5.589687	1.022291	1.006428	1.188496	4.293266	4.332946	4.33084	0.88529	1.07167	1.027938	0.656707	0.837535	1.046067	0.884806	0.924142	0.315289
SLMAP	ENSG00000163681	-0.3121	6.032037	-3.23104	0.004773	0.009121	-3.42756	6.282699	6.316279	6.434415	5.573188	5.57921	5.669075	5.875913	6.070587	6.071932	6.097974	6.155347	6.136029	6.129452	6.143514	6.170875	6.135629	6.054811	6.092105
RPL9	ENSG00000163682	0.206014	9.554103	3.532224	0.00247	0.005071	-3.04078	9.750526	9.733814	9.661203	10.12222	10.09168	10.05259	10.19974	10.24295	10.24274	9.098419	9.028307	8.995429	9.007278	9.108548	9.107989	9.153555	9.144363	9.270328
SMIM14	ENSG00000163683	0.437128	6.664599	2.890648	0.009953	0.017584	-4.24081	6.527556	6.50744	6.467605	6.257092	6.356762	6.225588	6.065248	6.143184	6.061811	6.876389	6.919232	6.903908	7.75368	7.864485	7.80374	6.420338	6.557426	6.531818
RPP14	ENSG00000163684	-0.1462	4.134412	-2.60745	0.01811	0.029947	-4.33883	4.219602	4.136747	4.188143	3.875646	4.071202	3.982555	4.504297	4.256466	4.436456	4.222665	4.147458	4.104202	4.015478	4.10073	4.078019	4.489042	4.534411	4.557121
ABHD6	ENSG00000163686	0.802152	3.133724	8.417289	1.47E-07	1.09E-06	7.652832	3.249862	3.347134	3.204003	4.062381	3.99943	4.28655	3.80164	3.773871	3.796224	2.427256	2.531245	2.592986	3.236398	3.032175	2.965187	3.218571	2.972579	3.021085
CFAP20DC	ENSG00000163689	-0.12468	2.527284	-1.12233	0.276905	0.337433	-6.65152	1.826927	1.915637	1.744977	1.256461	1.373859	1.526279	0.983587	1.301009	1.564539	4.207702	4.107636	4.24267	4.046359	4.13825	4.242405	4.504182	4.563921	4.7174
RBM47	ENSG00000163694	0.04798	7.501057	0.510209	0.616288	0.671496	-7.75207	7.325763	7.397267	7.328979	7.732159	7.793133	7.787514	7.694141	7.718181	7.6482	7.566797	7.59905	7.607116	7.329876	7.300295	7.261109	7.356508	7.368039	7.354119
APBB2	ENSG00000163697	-0.4714	4.912822	-5.22932	6.22E-05	0.000195	1.173616	5.699026	5.747832	5.828353	5.245847	5.342823	5.268872	5.519082	5.450851	5.375831	4.553726	4.494836	4.456986	4.17569	4.056619	3.979775	4.755763	4.714363	4.72199
IL17RE	ENSG00000163701	1.129079	0.247143	6.052097	1.15E-05	4.49E-05	3.494922	0.587539	0.8079	0.598525	0.742604	0.92021	0.563119	0.670238	0.509405	0.515351	1.555182	1.467416	1.158083	2.399306	2.381211	2.330481	2.013561	1.878239	1.844513
IL17RC	ENSG00000163702	0.992674	4.052904	11.53536	1.34E-09	2.36E-08	12.25482	3.572735	3.8803	4.042515	4.416862	4.600983	4.499659	3.928981	4.109604	3.82044	3.64455	3.830249	3.619375	4.769223	4.763781	4.869998	4.042177	4.106163	4.066226
CRELD1	ENSG00000163703	0.008567	4.631644	0.121047	0.905035	0.921929	-7.41667	5.045778	5.185067	5.234814	5.112883	5.109506	5.139498	5.515028	5.427787	5.375831	4.20268	4.045764	4.15185	4.163669	4.122289	4.25646	4.057652	4.140146	4.229846
PRRT3	ENSG00000163704	1.654429	1.742685	7.81453	4.17E-07	2.60E-06	6.63419	1.336422	0.875715	1.744977	1.104644	1.307481	1.123626	1.459147	1.301009	1.244857	2.204194	2.372288	2.409144	4.17569	4.062207	4.134921	3.190769	3.215061	3.241681
PCOLCE2	ENSG00000163710	-0.42381	1.706221	-1.73164	0.100949	0.139042	-5.10656	3.911847	4.036608	3.783005	3.80351	3.656958	3.655458	3.733489	3.90213	3.572114	1.315703	0.848253	1.027938	0.46104	0.612281	0.707101	1.099384	1.289746	1.222783
U2SURP	ENSG00000163714	-0.68126	7.192237	-16.7259	3.40E-12	2.87E-10	18.10317	7.387271	7.385683	7.420257	6.617648	6.575269	6.642197	7.183162	7.235385	7.132234	7.647554	7.565913	7.615284	6.986332	7.092768	6.983293	7.386434	7.365048	7.426202
MTMR14	ENSG00000163719	0.100597	5.42714	1.431701	0.16987	0.219114	-6.67843	5.071598	4.973094	5.037516	4.833866	4.752128	4.72957	4.851577	4.819999	4.556652	6.049846	6.042395	6.028458	6.32473	6.331098	6.281546	5.918327	5.921123	5.84102
TTC14	ENSG00000163728	0.451271	5.385691	4.468114	0.000317	0.000822	-0.6355	4.992709	5.018804	5.018167	5.112883	5.296516	5.445139	5.535185	5.458458	5.591697	5.447841	5.40559	5.299534	5.84327	5.968584	5.962316	5.336314	5.435851	5.420236

CXCL3	ENSG00000163734	-2.11666	2.240283	-5.10897	8.02E-05	0.000244	1.603178	5.331806	5.474709	5.633581	3.20008	3.295295	3.03415	5.973684	5.771015	5.983548	0.934589	0.848253	0.884879	0.828978	0.938214	1.08859	1.017342	0.816175	0.734116
CXCL5	ENSG00000163735	-1.17824	2.358383	-5.11257	7.96E-05	0.000242	1.697063	9.982092	9.916849	9.921836	8.788904	8.724741	8.738685	10.02741	10.00722	9.982819	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MTHFD2L	ENSG00000163738	-0.82397	4.344687	-6.34175	6.47E-06	2.72E-05	3.578766	5.200891	5.263109	5.217952	3.840029	4.020303	4.027574	4.974767	4.944392	4.819498	4.412971	4.335892	4.362268	4.041988	3.890658	4.051393	4.005409	4.128907	4.029672
CXCL1	ENSG00000163739	-0.34745	4.550904	-2.62222	0.01756	0.029153	-3.79874	8.447801	8.590723	8.537597	8.218275	8.168743	8.083461	8.545375	8.570111	8.62383	1.278001	1.467416	1.305813	1.573426	1.428204	1.08859	1.354562	1.737342	1.504318
RCHY1	ENSG00000163743	-0.05809	4.7645	-0.66315	0.515885	0.578017	-7.31217	4.590018	4.501192	4.537101	4.161901	4.13	4.537503	4.845133	4.814082	4.825493	5.228194	4.992502	5.020321	5.160571	5.014952	5.178806	5.072509	5.101177	5.044977
GYG1	ENSG00000163754	0.286637	5.181904	5.06075	8.89E-05	0.000266	0.707486	5.121892	5.204977	5.152017	5.350809	5.292232	5.363212	5.342749	5.510612	5.420081	4.883704	4.910981	5.072837	5.278599	5.310903	5.365463	5.067422	5.121165	5.239981
HPS3	ENSG00000163755	0.503893	5.315225	5.281709	5.58E-05	0.000177	1.147408	4.615318	4.682536	4.574673	5.626427	5.518152	5.553773	5.319693	5.298133	5.342774	5.393783	5.374467	5.342946	5.571804	5.520271	5.596651	5.715389	5.755617	5.560088
TM4SF18	ENSG00000163762	0.12418	1.951778	0.512223	0.614907	0.670401	-6.43505	3.936145	3.657602	4.02711	3.999198	4.120365	4.121933	4.765467	4.734864	4.680887	1.423238	0.748206	1.061592	0.656707	0.784432	1.08859	0.884806	0.924142	0.872651
TOPBP1	ENSG00000163781	-0.5598	5.973596	-5.18244	6.87E-05	0.000212	0.833222	5.572986	5.585177	5.549817	5.643745	5.305047	5.697212	5.814563	5.767957	5.745052	6.683492	6.746055	6.634409	5.78168	5.871668	5.771595	6.641849	6.560566	6.596979
RYK	ENSG00000163785	-0.26826	5.880499	-3.64117	0.001944	0.004105	-2.52557	6.052028	5.988917	5.980067	5.346585	5.3917	5.535187	5.733141	5.822029	5.875015	6.115449	6.078893	6.092941	6.03363	6.107484	6.021128	6.010007	6.041387	6.08143
SNRK	ENSG00000163788	-0.68264	4.504919	-12.9836	2.08E-10	5.56E-09	14.1007	4.71698	4.710662	4.86196	4.181007	4.167908	4.162865	4.393833	4.576102	4.527529	5.082702	5.016893	5.039448	4.279599	4.394504	4.385705	4.515433	4.617172	4.637057
UCN	ENSG00000163794	0.368763	0.293884	1.894616	0.074811	0.106574	-4.74454	1.12723	1.002471	1.585853	1.634586	1.373859	1.310092	1.160105	1.491012	1.0941	0.934589	0.941811	1.094478	1.121891	1.077171	1.355599	0.974502	1.289746	0.872651
ZNF513	ENSG00000163795	0.482205	4.643116	7.454687	7.93E-07	4.49E-06	5.580878	4.044416	3.944869	4.042515	4.456603	4.607895	4.518705	4.4712	4.194045	4.132351	5.04952	5.032928	5.079012	5.511428	5.493636	5.46364	4.853574	4.971913	4.82371
SLC4A1AP	ENSG00000163798	-0.36396	5.946927	-5.61375	2.80E-05	9.67E-05	1.756521	6.213149	6.180419	6.093496	5.707722	5.582723	5.569081	5.961819	5.916187	5.931692	6.243231	6.128238	6.296559	5.93453	6.022609	6.055029	5.889791	5.849327	5.904981
PLB1	ENSG00000163803	-1.07648	-0.33859	-2.66074	0.016199	0.027147	-3.50789	0.947665	1.118985	1.028027	0.106501	0.106501	0.461789	0.106501	0.253663	0.256032	1.814181	2.032826	1.933468	1.644349	1.282615	1.695314	1.970607	2.146913	2.507643
KIAA1143	ENSG00000163807	0.338683	4.98812	6.786047	2.74E-06	1.30E-05	4.284474	4.659767	4.778666	4.611291	5.12773	5.054916	5.085168	5.009762	5.03875	5.026224	5.093595	4.953722	4.972471	5.246665	5.324918	5.264758	5.122419	5.054421	5.201061
KIF15	ENSG00000163808	-2.01052	3.280775	-7.48336	7.52E-07	4.29E-06	6.020949	3.85351	3.505362	3.431666	2.933382	3.151334	2.825643	3.719464	3.999201	4.042563	4.417313	4.278766	4.231625	1.973006	1.766169	1.695314	4.254026	4.123255	4.18401
WDR43	ENSG00000163811	-0.55256	7.593575	-11.2442	1.99E-09	3.21E-08	11.49917	8.0207	8.07693	7.999976	7.315508	7.314886	7.331043	7.913281	8.019476	7.961621	7.566308	7.591401	7.556381	7.177801	7.199309	7.137448	7.501708	7.569563	7.573145
ZDHHC3	ENSG00000163812	-0.01296	6.04887	-0.29165	0.773991	0.812377	-7.70484	5.699026	5.796758	5.880717	5.910205	5.741991	5.832753	6.130298	6.00976	5.975483	6.265076	6.210434	6.285031	6.220272	6.187642	6.201469	6.282253	6.314938	6.342128
CDCP1	ENSG00000163814	-0.96882	6.397953	-4.73893	0.000177	0.000489	-0.16261	6.365544	6.302485	6.295057	4.132759	4.139571	4.146631	6.477256	6.357695	6.377552	7.33458	7.220473	7.300805	6.900203	6.841381	6.898444	7.555838	7.447652	7.528649
LZTFL1	ENSG00000163818	0.41729	4.236697	6.649607	3.56E-06	1.63E-05	4.093253	4.02189	3.983805	3.931056	4.281793	4.040879	4.096805	3.440463	3.698786	3.771595	4.619268	4.570022	4.684621	5.140267	5.160118	5.11852	4.361843	4.460128	4.341429
FYCO1	ENSG00000163820	1.957385	4.819727	21.48457	5.20E-14	1.32E-11	22.39253	3.397161	3.61855	3.55495	4.904536	4.801196	4.992837	4.651903	4.519046	4.404775	4.19764	4.318554	4.087963	6.297483	6.276858	6.299759	5.805224	5.919494	5.853623
CCR1	ENSG00000163823	-1.17534	0.094955	-5.80573	1.89E-05	6.85E-05	2.997294	0.667115	0.875715	0.756332	0.258133	0.389229	0.2349	0.415731	0.253663	0.515351	2.338465	2.42184	2.314614	1.689764	1.738515	1.320349	2.479639	2.500854	2.830235
ELP6	ENSG00000163832	-0.6472	4.886045	-11.976	7.44E-10	1.49E-08	12.76171	5.200891	5.247194	5.234814	4.281793	4.573001	4.57438	4.932837	5.048863	4.940438	5.27918	5.200828	5.227237	4.607058	4.739573	4.735974	5.049474	5.012228	4.973643
DTX3L	ENSG00000163840	0.228137	6.362083	4.039976	0.000809	0.001877	-1.73057	5.291568	5.218099	5.30675	5.733834	5.800478	5.770552	5.601686	5.599299	5.526952	7.133529	7.133297	7.091735	7.196113	7.199943	7.208457	7.341308	7.385262	7.362227
ZNF148	ENSG00000163848	0.354663	5.483598	6.414326	5.62E-06	2.41E-05	3.479605	5.200891	5.137514	5.152017	5.619441	5.492239	5.711078	5.650549	5.711779	5.706591	5.36934	5.463921	5.336087	5.682663	5.68869	5.591116	5.575473	5.611658	5.603018
SMIM12	ENSG00000163866	-0.14819	5.343626	-3.42022	0.003157	0.006296	-2.93554	5.194191	5.278849	5.322611	5.087795	5.14795	5.227023	5.08826	4.992342	5.057123	5.719774	5.613586	5.738449	5.531835	5.53642	5.511308	5.629975	5.59133	5.57792
ZMYM6	ENSG00000163867	0.006254	3.177466	0.046588	0.96337	0.969701	-7.11186	3.454357	3.370829	3.511328	3.103249	2.85862	3.152687	3.647218	3.564249	3.771595	3.123934	3.250939	3.172678	3.332595	3.591587	3.486261	3.254827	3.317614	3.079476
TPRA1	ENSG00000163870	0.056698	5.583915	0.334584	0.741921	0.784206	-7.61067	6.377422	6.317804	6.278888	5.591153	5.847955	5.657664	5.821145	5.599299	5.537947	5.093595	5.092794	5.187779	5.884137	5.829692	5.726866	5.182472	4.996855	5.06679
YEATS2	ENSG00000163872	0.444903	5.548208	7.803033	4.25E-07	2.64E-06	6.08941	4.798758	4.765319	4.857612	5.392386	5.375591	5.428451	4.819063	4.860754	4.860948	5.991347	6.047666	5.862963	6.299316	6.280458	6.375769	6.172818	6.171688	6.125399
ZC3H12A	ENSG00000163874	0.327155	4.925183	2.21571	0.040249	0.061169	-5.0847	5.864307	5.848305	5.819438	6.112826	6.373081	6.263719	6.920476	6.988491	6.930084	3.629659	3.682218	3.501717	3.714069	3.629721	3.665494	3.6717	3.72088	3.621636
MEAF6	ENSG00000163875	0.082665	5.878326	1.243318	0.230171	0.286488	-6.97328	5.525735	5.480165	5.571218	5.259393	5.321958	5.45506	5.198536	5.368459	5.363523	6.359482	6.3081	6.503555	6.607343	6.619621	6.642478	6.144111	6.225439	6.337649
SNIP1	ENSG00000163877	-0.2043	4.773859	-2.74827	0.013472	0.023024	-4.25892	4.744758	4.86879	4.808898	4.333937	4.267295	4.28655	4.235306	4.61746	4.475104	5.305186	5.191334	5.265644	5.200343	5.23377	5.239034	5.018176	4.917433	4.914724
DNALI1	ENSG00000163879	0.797798	0.281354	3.053178	0.007019	0.012893	-3.11229	0.318509	0.410755	0.756332	0.106501	0.106501	0.106501	0.415731	0.387194	0.106501	2.817246	3.195032	2.974933	4.015478	3.933972	4.056758	3.227721	3.37582	3.444131
POLR2H	ENSG00000163882	-0.11165	6.037857	-1.85944	0.079883	0.11292	-6.09865	5.734094	5.792378	5.579162	5.499001	5.157403	5.538302	5.605504	5.727605	5.588176	6.475414	6.521073	6.528588	6.547695	6.456275	6.534151	6.616821	6.593644	6.615597
CAMK2N2	ENSG00000163888	0.847671	0.131291	3.403318	0.003276	0.006502	-1.85455	0.742531	1.002471	0.898566	1.688986	1.864131	1.669505	1.317361	1.082132	1.244857	0.781331	1.112482	0.884879	1.054048	0.938214	1.046067	1.250674	0.975239	0.659518
LIPH	ENSG00000163898	-0.35249	5.004179	-1.9291	0.070118	0.100584	-5.746	5.487883	5.463733	5.41428	4.626508	4.301803	4.407292	5.821145	5.822029	5.860491	4.678347	4.768219	4.703397	4.851459	5.037822	4.873042	4.888608	5.006099	4.930673
TMEM41A	ENSG00000163900	0.858336	5.851656	6.221452	8.20E-06	3.35E-05	3.088529	5.282121	5.281977	5.126945	6.594678	6.512199	6.548001	6.848198	6.904661	6.91751	5.190639	5.174568	5.180139	5.586887	5.48534	5.54032	5.996688	5.798808	5.868189
RPN1	ENSG00000163902	0.147943	8.293179	1.779409	0.092567	0.128955	-6.4122	8.028254	8.075128	8.01616	8.53464	8.498916	8.485953	8.189302	8.28044	8.237059	8.331487	8.295817	8.361726	8.182887	8.198145	8.204405	8.480532	8.482359	8.480082
SENP2	ENSG00000163904	-0.02613	5.611926	-0.35757	0.724948	0.76975	-7.61578	5.580713	5.501788	5.443586	5.412733	5.321958	5.280077	5.843949	5.749473	5.640119	5.707417	5.778001	5.743641	5.801211	5.83786	5.807042	5.62479	5.678704	5.809023
HEYL	ENSG00000163909	0.258018	0.476081	0.573356	0.573708	0.632504	-6.4231	1.430644	0.8079	1.54317	0.106501	1.437317	0.830331	1.074544	0.622068	1.171446	1.352446	1.725977	1.538714	2.162115	2.288901	2.257813	1.926335	1.513652	1.626848
IFT122	ENSG00000163913	-0.14073	4.592014	-1.21871	0.239148	0.296344	-6.74107	5.149863	5.312885	5.350729	4.54774	4.720591	4.777799	4.402637	4.677356	4.613192	4.525848	4.532919	4.421787	4.758606	4.763781	4.649854	4.098126	4.211138	4.261717
RFC4	ENSG00000163918	-1.52312	4.643686	-14.9102	2.24E-11	1.11E-09	16.37182	5.184082	5.328095	5.359981	4.112999	4.1957	4.009735	4.883375	5.033666	4.84333	5.27918	5.113047	5.232786	3.507651	3.695921	3.586098	5.15875	5.057388	5.1812
RPL39L	ENSG00000163923	0.021726	4.163729	0.198272	0.84512	0.871807	-7.44823	3.819083	3.920993	3.93931	3.181227	3.242978	3.27721	3.490873	3.646467	3.832397	4.652797	4.68948	4.830842	4.955062	4.968095	5.060955	5.085149	5.063304	4.926702
BAP1	ENSG00000163930	0.127586	6.417942	3.158261	0.005591	0.010515	-3.64944	6.090422	6.090521	6.038856	6.238973	6.210046	6.121455	6.040078	5.767957	5.760779	6.843694	6.868756	6.816676	7.028923	6.963613	6.935317	6.722543	6.669292	6.640054
TKT	ENSG00000163931	-0.35427	9.886593	-9.86411	1.46E-08	1.62E-07	9.303794	10.43827	10.38973	10.45538	10.00131	10.15985	9.995807	10.55428	10.47054	10.51728	9.614102	9.441224	9.55895	9.2388	9.200099	9.178275	9.616467	9.568756	9.589636
PRKCD	ENSG00000163932	0.745287	4.381539	9.02265	5.43E-08	4.75E-07	8.255115	2.762544	2.819419	2.739267	3.041869	3.378481	2.924168	1.816207	2.290412	2.202855	6.073423	5.949713	6.069355	6.821413	6.816799	6.805107	6.343508	6.348028	6.276563
RFT1	ENSG00000163933	-0.8435	4.92718	-12.8177	2.55E-10	6.41E-09	13.83974	5.030813	4.95753	4.998554	4.316764	4.384626	4.440963	4.544628	4.583078	4.534865	5.702088	5.664221	5.71749	4.818614	4.763781	4.759194	5.428474	5.380064	5.575386
SFMBT1	ENSG00000163935	-0.16233	4.395273	-2.97323	0.008339	0.015001	-3.76393	3.887134	3.920993	3.801232	3.933121	3.47236	3.689474	3.555458	3.619579	3.771595	5.27918	5.21026	5.306568	5.15451	5.054739	5.146464	5.246891	5.269267	5.21089
GNL3	ENSG00000163938	-0.37839	7.425608	-10.0762	1.06E-08	1.24E-07	9.761216	7.510374	7.54842	7.482293	7.023002	7.087775	7.193606	7.443134	7.435578	7.326517	7.722714	7.720354	7.712164	7.358722	7.349684	7.400542	7.494619	7.477864	7.530612
PBRM1	ENSG00000163939	0.45316	6.029974	9.590327	2.22E-08	2.27E-07	9.118881	5.611213	5.559632	5.579162	5.904469	5.907988	5.921298	6.153955	6.15961	6.06688	5.904318	5.967898	5.816905	6.370771	6.435972	6.462195	6.343508	6.383925	6.406268
UVSSA	ENSG00000163945	-0.69287	4.752437	-11.0156	2.73E-09	4.15E-08	11.46453	5.504227	5.536248	5.483639	4.584077	4.688349	4.71863	5.038289	5.023446	5.229787	4.832603	4.869913	4.803754	4.344933	4.259953	4.346819	4.485232	4.372311	4.439435
TASOR	ENSG00000163946	0.018409	6.480355	0.283643	0.780017	0.817136	-7.76425	6.375943	6.308632	6.392951	6.576757	6.499248	6.56337	6.119658	6.19874	6.183495	6.658951	6.744433	6.621069	6.560741	6.591879	6.541823	6.61595	6.655652	6.73847
ARHGEF3	ENSG00000163947	0.238293	4.411206	1.652589	0.116264	0.15741	-6.24964	4.12413	3.976101	3.897563	4.746789	4.65537	4.549901	2.607661	2.623806	2.892531	5.307527	5.258789	5.324005	5.396285	5.381888	5.352435	4.994249	4.993761	4.898598
SLBP	ENSG00000163950	-0.50478	7.087949	-5.23642	6.13E-05	0.000193	0.84584	7.164589	7.112843	7.115238	6.94132	6.987996	6.929928	7.141693	7.185839	7.085539	7.342592	7.277666	7.339043	6.522814	6.561622	6.583303	7.476982	7.487246	7.527994
LRPAP1	ENSG00000163956	0.412974	8.011485	7.451265	7.97E-07	4.52E-06	5.262591	8.31127	8.319961	8.414606	8.858051	9.006841	8.89536	8.722824	8.640348	8.7223	7.185365	7.205224	7.327851	7.530816	7.468599	7.438539	7.467358	7.454984	7.3519
UBXN7	ENSG00000163960	0.845229	5.264924	13.03477	1.95E-10	5.31E-09	14.08994	4.538049	4.604738	4.542529	5.28169	5.244245	5.341983	5.440037	5.506949	5.37174	4.948139	5.147822	4.95243	5.903542	5.906256	5.866291	5.65732	5.583118	5.654343
RNF168	ENSG00000163961	-0.22043	4.279834	-1.80668	0.08806	0.12317	-5.88317	3.701161	3.608619	3.638424	4.041626	4.1009	4.096805	4.011872	4.324646	4.151567	4.92393	5.064472	5.052059	4.499582	4.472117	4.531543	4.790139	4.762428	4.680149
PIGX	ENSG00000163964	-0.15994	4.560166	-2.45816	0.024666	0.039559	-4.7072	5.027048	4.965333	4.925655	4.910272	4.900234	4.899045	4.819063	5.150979	5.082376	4.447347	4.36574	4.428251	4.059394	4.1851	4.311352	4.32395	4.211138	4.223386
MELTF	ENSG00000163975	1.553712	4.730754	4.807922	0.000152	0.000429	0.458571	5.817116	5.869251	5.910407	7.799383	8.02058	7.842719	6.304819	6.050595	6.181159	2.966925	3.023743	3.305013	2.88263	2.985883	3.010124	3.218571	2.95995	2.944608
S100P	ENSG00000163993	-1.06191	8.046165	-7.97224	3.16E-07	2.06E-06	6.186468	8.272039	8.228088	8.199552	7.367511	7.582096	7.493892	7.189535	7.234278	7.278159	9.112545	8.993394	8.939397	7.668336	7.773311	7.744305	8.601827	8.5992	8.664242
ABLIM2	ENSG00000163995	1.078242	1.012775	5.556628	3.15E-05	0.000107	2.448773	1.12723	1.002471	0.512639	1.978268	1.864131	1.919272	0.782422	1.231675	0.925731	1.865926	2.053933	2.021603	2.371704	2.671787	2.756856	1.65509	1.766644	1.877799
EXO5	ENSG00000164002	-0.67452	2.784129	-8.0474	2.77E-07	1.85E-06	6.910088	2.021155	2.283367	2.274882	1.457877	1.498102	2.132113	2.01302	2.324112	1.962896	4.232554	4.331577	4.324649	3.762697	3.568213	3.658454	4.446571	4.377068	4.274271
C1orf50	ENSG00000164008	0.191003	2.908605	2.156754	0.045221	0.067894	-4.93776	2.668993	2.819419	2.830836	2.97776	2.970101	2.741673	3.072345	3.002451	2.846105	3.265521	3.26005	3.262236	3.416036	3.479115	3.470269	3.374993	3.356678	2.944608
ERMAP	ENSG00000164010	0.672587	3.034263	7.092289	1.54E-06	7.95E-06	5.292067	3.17016	3.417081	3.322321	4.041626	3.808643	4.036412	3.66196	3.736817	3.759121	2.47802	2.792142	2.510098	3.091636	3.04352	3.177059	2.611312	2.585506	2.687355
ZNF691	ENSG00000164011	0.081837	3.398556	0.920478	0.369854	0.434711	-6.80509	3.085796	3.100202	2.94999	3.376187	2.926537	3.377995	3.507292	3.302095	3.357206	3.950439	3.866492	3.774554	3.762697	3.806595	4.067427	3.787601	3.85652	3.823043
AIMP1	ENSG00000164022	-0.37361	6.426294	-8.54882	1.18E-07	9.03E-07	7.343724	6.722924	6.779404	6.669617	6.20204	6.168576	6.282413	6.443525	6.421356	6.441402	6.573994	6.580465	6.615415	6.289208	6.341475	6.369317	6.349808	6.389822	6.345106
SGMS2	ENSG00000164023	0.659579	5.310838	7.349378	9.60E-07	5.29E-06	5.275128	4.284124	4.318312	4.195052	5.472108	5.287935	5.411567	4.56045	4.603806	4.570996	5.839468	5.89374	5.82305	6.331909	6.201634	6.238527	5.708869	5.733527	5.876446
METAP1	ENSG00000164024	-0.1206	6.320132	-2.93156	0.009119	0.016253	-4.10246	5.977894	6.130976	6.015627	5.851791	5.891089	5.911724	6.056907	6.18505	6.162335	6.696055	6.683097	6.727109	6.578959	6.57341	6.666362	6.634128	6.667352	6.694778
DNAJB14	ENSG00000164031	0.071449	5.498479	0.861969	0.400377	0.465743	-7.26792	5.533718	5.541478	5.47515	5.78468	5.575689	5.691628	5.882222	5.862728	5.696813	5.558123	5.479606	5.408164	5.408221	5.499826	5.471694	5.08263	5.314612	5.299535
H2AZ1	ENSG00000164032	-0.63637	7.681789	-6.30569	6.95E-06	2.90E-05	3.041013	7.73126	7.75554	7.676852	7.540211	7.48783	7.508258	8.054046	8.156728	8.175027	7.964784	7.896826	7.913912	6.836636	6.961372	6.931672	7.931149	7.93401	7.952363
SLC9B2	ENSG00000164038	-0.32548	3.372016	-3.33223	0.003828	0.007488	-2.58542	4.036946	4.249682	4.294909	3.80351	3.855857	4.018682	4.358069	4.299455	3.968647	3.123934	3.15652	3.093551	2.862939	2.657091	2.930541	3.053433	2.799093	2.84714
BDH2	ENSG00000164039	1.227131	2.573479	11.64462	1.15E-09	2.11E-08	12.48395	2.165157	2.179863	1.888281	2.605941	2.926537	2.605775	2.303642	2.255906	2.127218	2.804042	2.741	2.883807	3.979357	4.13825	4.083285	2.924322	3.034117	3.254409
PGRMC2	ENSG00000164040	0.883819	6.886346	13.51392	1.10E-10	3.48E-09	14.56311	7.097051	7.061896	7.068033	8.242348	8.119415	8.140931	7.530072	7.504254	7.539343	5.928855	5.995435	5.972061	6.56912	6.595738	6.62091	6.055679	6.063691	6.109724
CDC25A	ENSG00000164045	-2.03101	5.327511	-11.0041	2.77E-09	4.19E-08	11.41969	5.914086	5.839841	5.787794	4.881362	4.770725	4.531264	5.605504	5.810187	5.605699	6.267483	6.167502	6.289476	3.663745	3.752319	3.734067	6.073551	5.961279	6.065267
ZNF589	ENSG00000164048	0.503774	3.323627	4.983545	0.000105	0.000308	0.900108	2.589523	2.76681	2.248556	3.376187	3.260629	3.321269	3.507292	3.384264	3.543305	3.666603	3.447177	3.647349	3.894617	3.86531	3.892464	4.156784	4.005291	3.992166
PLXNB1	ENSG00000164050	1.064987	4.947136	12.46525	3.96E-10	9.00E-09	13.32585	3.249862	3.405656	3.148134	4.479932	4.662026	4.57438	3.523527	2.916694	3.389938	5.967858	5.965115	5.792059	6.90743	6.855128	6.835855	6.165694	6.277259	6.27968
CCDC51	ENSG00000164051	-0.69106	5.093353	-8.66723	9.70E-08	7.69E-07	7.708147	5.406168	5.544085	5.366116	4.803367	4.621619	4.72957	4.772276	4.802174	4.687485	5.62347	5.461948	5.596435	4.989521	4.9104	4.903135	5.382106	5.440404	5.437082
SHISA5	ENSG00000164054	0.037602	7.776359	0.546794	0.591433	0.648732	-7.76434	7.435651	7.425118	7.344599	7.694429	7.677986	7.681642	7.46956	7.365493	7.496775	8.069532	8.065784	8.114868	7.959773	7.885913	7.920155	8.153882	8.183207	8.15475
SPRY1	ENSG00000164056	-0.11613	2.955555	-1.15538	0.263486	0.323325	-6.70045	1.602421	2.283367	1.921989	1.022291	1.307481	1.623325	2.102195	2.029503	1.620777	4.68196	4.916753	4.737631	4.750591	4.707838	4.801349	4.865346	4.965609	4.890466
APEH	ENSG00000164062	-0.02479	6.921227	-0.42969	0.672675	0.721943	-7.75852	6.637833	6.686868	6.637006	6.367536	6.418997	6.423838	6.540447	6.59359	6.571941	7.249474	7.222805	7.382132	7.462542	7.418286	7.391018	7.300699	7.279969	7.225887
INTU	ENSG00000164066	0.097646	3.516475	0.843123	0.41055	0.475481	-6.95646	3.397161	3.59862	3.618004	2.933382	3.093416	3.216292	3.219115	3.232814	2.670735	4.20268	4.045764	3.872611	4.35554	4.317159	4.368551	3.749992	3.876817	3.914098
RNF123	ENSG00000164068	0.077382	5.274987	1.339584	0.19754	0.250161	-6.72085	5.596044	5.51514	5.560557	5.491368	5.60362	5.532066	5.452809	5.310795	5.37991	5.269607	5.097884	5.204822	5.379059	5.23377	5.39964	4.922811	4.92395	4.771534
HSPA4L	ENSG00000164070	0.12415	5.948657	0.9771	0.341851	0.405918	-7.23887	5.696657	5.745568	5.579162	6.412686	6.198646	6.38976	5.891633	5.891111	5.923331	6.085751	6.067262	6.024198	5.741807	5.752296	5.781349	6.02845	6.18124	6.121931
MFSD8	ENSG00000164073	-0.14318	4.25268	-1.7561	0.096578	0.133731	-5.92847	4.381709	4.312206	4.429894	4.152252	3.878897	4.027574	4.339849	4.38177	4.33084	4.472601	4.57368	4.437893	4.441025	4.537767	4.480563	4.23146	4.178806	4.341429
ABHD18	ENSG00000164074	0.770846	2.941215	7.809378	4.20E-07	2.62E-06	6.581489	2.609804	2.61635	2.399755	3.376187	3.295295	3.432575	3.352323	3.160038	3.044176	2.708071	3.002186	2.957162	3.46257	3.68147	3.290693	3.245848	3.440885	3.254409
MON1A	ENSG00000164077	0.133503	4.025795	1.992165	0.062211	0.090517	-5.45969	3.792713	3.61855	3.819232	4.031135	4.091068	3.936085	4.479546	4.194045	4.296723	4.065562	4.024536	4.15575	4.155599	4.045377	4.139984	4.454386	4.419196	4.365096
MST1R	ENSG00000164078	-0.67266	3.564744	-6.35189	6.35E-06	2.68E-05	3.436731	2.609804	2.125186	2.351095	1.578054	1.556428	1.188496	1.525136	1.549165	1.50602	5.98551	6.065964	5.920264	5.482686	5.308554	5.361134	6.391114	6.441838	6.399121
RAD54L2	ENSG00000164080	-0.20393	5.055353	-4.0013	0.000881	0.002026	-1.60287	4.933595	4.804995	4.89628	4.619522	4.688349	4.662649	5.228555	4.949799	5.036597	5.41565	5.399419	5.27464	5.152484	5.13912	5.227188	5.496293	5.368165	5.513196
TEX264	ENSG00000164081	-0.24585	5.69615	-5.78222	1.98E-05	7.15E-05	2.141044	5.903856	5.981241	5.922947	5.540275	5.667864	5.625812	5.628203	5.636658	5.559688	5.895008	5.9054	5.959843	5.759221	5.757473	5.706532	5.471474	5.549795	5.575386
DUSP7	ENSG00000164086	-1.02532	5.643853	-5.58879	2.94E-05	0.000101	1.776757	6.473243	6.37604	6.509779	5.142425	5.49969	5.294884	5.414148	5.404348	5.541593	5.725037	5.718106	5.885453	4.912595	4.92887	4.920894	6.255663	6.122955	6.030539
POC1A	ENSG00000164087	-1.49829	3.317028	-6.21596	8.29E-06	3.37E-05	3.586706	3.84498	3.608619	4.050156	3.273122	3.47236	3.27721	3.733489	4.09991	4.093134	4.01489	3.780465	3.928397	1.99126	2.039797	1.801384	3.967679	4.041704	3.770842
PPM1M	ENSG00000164088	0.611984	2.269152	5.025134	9.58E-05	0.000285	1.301711	2.833249	2.693541	2.681399	3.376187	3.362223	3.168853	3.115825	3.102941	3.406029	1.732907	1.699433	2.038602	2.300295	2.039797	2.416453	1.992244	2.33471	2.06284
WDR82	ENSG00000164091	0.115966	7.474403	3.747918	0.001538	0.003316	-2.44942	7.125504	7.243723	7.119784	7.282719	7.342083	7.328346	7.510861	7.53875	7.609638	7.487973	7.478847	7.475986	7.570813	7.55734	7.559206	7.8134	7.795163	7.851252
PITX2	ENSG00000164093	0.151245	1.823029	1.2202	0.238597	0.295765	-6.4341	0.667115	0.736739	0.756332	1.688986	1.087782	1.526279	0.983587	0.915275	0.925731	4.037631	3.981119	4.12026	4.089359	4.051009	3.985412	3.298901	3.287607	3.387478
C4orf3	ENSG00000164096	0.298795	6.292676	7.7899	4.35E-07	2.70E-06	5.990413	5.446195	5.509814	5.50047	5.759481	5.827376	5.814886	5.760796	5.905096	5.791729	6.714696	6.825684	6.649702	6.951796	7.051924	7.03177	6.998574	7.012066	7.088694
PRSS12	ENSG00000164099	0.61524	3.385876	2.346234	0.030985	0.048391	-4.72257	3.603403	3.768792	3.688245	2.999448	2.926537	3.152687	3.586698	3.384264	3.453254	3.246125	3.381904	3.232997	4.486773	4.573423	4.606616	3.053433	3.215061	3.176297
NDST3	ENSG00000164100	2.181548	-1.02474	8.490237	1.30E-07	9.78E-07	7.827748	0.216396	0.106501	0.106501	0.52061	0.512209	0.106501	0.106501	0.106501	0.106501	1.116489	1.300837	1.277453	2.791825	3.183414	2.795875	1.571317	1.766644	1.739782
HMGB2	ENSG00000164104	-2.00656	5.784165	-10.7712	3.85E-09	5.52E-08	10.99996	6.177924	6.148217	6.03501	5.112883	5.079986	5.055043	5.704947	5.839612	5.729151	6.99006	6.881357	6.926344	4.43437	4.438137	4.377153	6.602824	6.615953	6.547417
SAP30	ENSG00000164105	-0.15044	2.625716	-0.55065	0.588841	0.646237	-6.77618	3.026682	2.636038	2.514675	3.753334	3.502343	3.231764	3.238915	3.351955	3.044176	2.843296	3.223257	3.093551	2.225168	2.169719	2.014873	2.300453	2.585506	2.79582
MAD2L1	ENSG00000164109	-2.23612	4.947517	-10.1232	9.87E-09	1.17E-07	10.17795	5.45743	5.463733	5.417238	4.359318	4.352066	4.386706	5.141824	5.396449	5.287386	6.058212	5.969287	6.106104	3.266686	3.065945	3.299771	5.72834	5.690219	5.724636
ANXA5	ENSG00000164111	-0.26786	8.398762	-3.51691	0.002554	0.005225	-3.00359	9.158168	9.153255	9.101075	8.837126	8.749172	8.781368	8.707362	8.743577	8.746988	7.901879	7.862843	8.009423	7.76963	7.732275	7.735133	8.08884	8.075736	8.108616
MAP9	ENSG00000164114	-0.10365	5.948225	-1.17398	0.256152	0.315304	-7.05639	6.236163	6.22335	6.295057	6.067345	5.949389	6.051247	5.272444	5.416115	5.165072	6.151081	6.233744	6.156613	6.080206	6.262366	6.20992	5.892671	5.908034	5.940859
GUCY1A1	ENSG00000164116	0.472878	0.504355	4.246221	0.000515	0.00126	-0.67753	0.318509	0.106501	0.219246	0.106501	0.25478	0.2349	0.269385	0.253663	0.256032	3.681119	3.836353	3.809637	4.241981	4.264807	4.213876	4.171084	4.047684	4.122853
FBXO8	ENSG00000164117	1.117598	3.442759	10.11937	9.93E-09	1.18E-07	10.28886	2.867343	2.784561	2.5366	3.661095	3.867423	4.071231	3.617275	3.535768	3.306673	3.367773	3.695711	3.172678	4.245787	4.335734	4.464508	3.637781	3.628139	3.698167
CEP44	ENSG00000164118	-0.23812	3.445396	-3.27313	0.004355	0.008403	-2.78012	3.747663	3.7235	3.995797	3.57705	3.502343	3.666886	3.733489	3.946081	3.783962	3.411958	3.470912	3.45816	3.197622	3.272884	3.281558	3.415594	3.511821	3.707454
HPGD	ENSG00000164120	-0.54781	3.063	-4.30692	0.000451	0.001118	-0.78491	1.791852	1.631689	1.406977	2.291228	2.299368	2.064596	1.317361	1.710758	1.50602	5.093595	5.296913	5.166672	4.502766	4.561635	4.468538	5.015537	5.104049	5.184529
TMEM144	ENSG00000164124	0.798656	6.01999	3.565873	0.002294	0.004745	-2.41432	7.653406	7.67753	7.666325	8.767339	8.570096	8.684898	8.99583	8.975316	9.024482	3.666603	3.981119	3.886761	3.794228	3.86531	3.773698	3.307556	3.603991	3.591857
GASK1B	ENSG00000164125	2.13121	5.266013	9.576897	2.26E-08	2.30E-07	9.496084	6.962565	6.990086	6.940216	9.308991	9.233791	9.210243	9.051471	9.065558	9.057011	2.18395	2.053933	2.213454	2.579013	2.686334	2.633039	2.625227	2.518186	2.374055
NAA15	ENSG00000164134	-0.29189	7.371857	-8.19704	2.14E-07	1.48E-06	6.652746	7.658283	7.661409	7.595634	7.424735	7.328548	7.372638	7.544065	7.633355	7.483567	7.359614	7.373127	7.358635	7.044849	7.035684	7.068748	7.347617	7.207696	7.358547
IL15	ENSG00000164136	-0.27342	2.484481	-1.28819	0.214474	0.269117	-5.97665	3.397161	3.370829	3.408073	2.661411	2.787348	2.961768	4.13321	4.212157	4.073118	1.91588	2.032826	1.951531	2.270712	2.23054	2.014873	2.211015	2.101639	2.06284
FAM160A1	ENSG00000164142	-0.0041	1.758002	-0.0223	0.982461	0.985494	-7.22262	1.384302	1.883052	0.898566	0.258133	0.625525	0.563119	1.240874	0.387194	0.735084	4.156676	4.061483	3.999574	4.238165	4.179969	4.293286	4.194605	4.100421	3.969186
ARFIP1	ENSG00000164144	0.280165	5.893927	5.3086	5.27E-05	0.000169	1.126778	5.754732	5.820613	5.835003	6.112826	5.960231	6.066428	6.09271	6.152593	6.109268	5.689578	5.78433	5.709551	6.082337	5.990731	5.996216	5.838454	5.739082	5.806864
ICE1	ENSG00000164151	-0.04867	6.46434	-0.662	0.516608	0.578711	-7.56098	6.711239	6.810059	6.752747	6.502759	6.319354	6.521493	6.602897	6.562162	6.612377	6.308968	6.334216	6.114145	6.442175	6.435972	6.410754	6.439169	6.393349	6.389056
HHIP	ENSG00000164161	1.798455	-1.38081	4.978365	0.000106	0.000311	1.443156	1.681202	1.744817	1.54317	3.290819	3.151334	3.405543	1.816207	2.147141	2.588518	0.106501	0.106501	0.106501	0.106501	0.26996	0.106501	0.106501	0.106501	0.106501
ANAPC10	ENSG00000164162	-0.81806	4.256866	-6.79985	2.67E-06	1.27E-05	4.51982	5.310279	5.306756	5.284248	4.132759	3.967543	4.170914	4.87074	4.933517	4.973208	4.01489	4.056262	4.054926	3.799417	3.717329	3.600863	3.945668	4.029668	3.930053
ABCE1	ENSG00000164163	-0.39885	7.972757	-10.926	3.09E-09	4.60E-08	11.0174	8.525254	8.511665	8.505649	8.007685	8.014091	8.000646	8.33899	8.364829	8.3422	7.810751	7.760631	7.781964	7.455574	7.505471	7.523327	7.732147	7.682931	7.756006
OTUD4	ENSG00000164164	-0.4325	6.691421	-10.1371	9.67E-09	1.15E-07	9.914399	7.171428	7.102266	7.165352	6.569526	6.52138	6.66232	6.686381	6.722383	6.701455	6.829103	6.814132	6.786805	6.467659	6.492942	6.532227	6.509315	6.469946	6.502774
LSM6	ENSG00000164167	-1.10196	4.186361	-7.96781	3.18E-07	2.07E-06	6.660285	5.034569	4.949684	4.904734	3.237064	3.278066	3.292047	4.164604	4.030158	4.189248	4.759247	4.644965	4.729802	3.918659	4.154036	4.093761	4.598895	4.504286	4.422617
TMEM184(	ENSG00000164168	0.466167	6.385062	6.964799	1.96E-06	9.78E-06	4.455635	6.136585	6.090521	6.131809	6.635072	6.625516	6.672277	6.815607	6.821569	6.722489	6.153685	6.064665	6.06106	6.454562	6.456275	6.560825	6.255663	6.286139	6.312003
PRMT9	ENSG00000164169	0.239252	3.31188	2.404829	0.027509	0.04354	-4.55846	3.026682	3.273623	3.044832	3.815786	3.643567	3.666886	3.474265	3.232814	3.453254	3.479955	3.605665	3.543997	3.587808	3.445301	3.525482	3.470581	3.467897	3.455199
ITGA2	ENSG00000164171	-1.07867	5.787409	-9.23878	3.84E-08	3.58E-07	8.583389	6.099415	6.056225	6.117333	4.316764	4.368438	4.537503	5.697811	5.636658	5.598715	6.498138	6.683097	6.439403	5.759221	5.828053	5.872388	6.444083	6.37919	6.393378
MOCS2	ENSG00000164172	0.344196	5.51973	5.318094	5.17E-05	0.000166	1.262449	5.901801	5.942235	5.887131	6.438717	6.198646	6.304531	6.475171	6.519163	6.557606	4.75239	4.692848	4.69538	4.96202	4.974036	4.935528	4.953468	4.90101	4.918728
EDIL3	ENSG00000164176	1.299857	6.352225	15.41949	1.29E-11	7.56E-10	16.76612	5.237197	5.164879	5.159101	6.55861	6.395223	6.592126	5.83747	5.764893	5.94827	6.510383	6.437209	6.454523	7.714045	7.761337	7.711519	6.438184	6.539501	6.489376
TMEM161I	ENSG00000164180	-0.20604	4.999655	-2.60165	0.01833	0.030259	-4.5496	5.100552	5.147837	5.155563	4.827817	4.831037	4.777799	5.32896	5.306587	5.256657	5.112462	5.110531	5.168603	5.034222	4.994639	5.003776	4.84468	4.917433	4.906683
ELOVL7	ENSG00000164181	0.602113	3.550567	4.645869	0.000216	0.000584	0.126892	3.385444	2.870177	2.558197	3.898911	3.759832	3.982555	3.705302	3.351955	3.373665	3.64455	3.626949	3.519989	3.932895	3.987816	3.916269	4.240529	4.258317	4.216898
NDUFAF2	ENSG00000164182	-0.69555	5.047009	-11.9429	7.77E-10	1.55E-08	12.73193	5.968108	6.043381	5.86564	5.222985	5.244245	5.341983	5.498697	5.771015	5.673738	4.92393	4.78725	4.885889	4.135224	4.215509	4.288734	4.616418	4.517274	4.72199
LMBRD2	ENSG00000164187	0.490128	4.359092	3.574474	0.002251	0.004664	-2.3791	3.65311	3.896716	3.947516	4.857809	4.694855	4.927828	4.622059	4.677356	4.606245	4.261822	4.471494	4.466439	4.301707	4.630959	4.584502	4.446571	4.377068	4.353311
NIPBL	ENSG00000164190	-0.02899	6.55273	-0.37754	0.710319	0.757232	-7.73875	6.45374	6.457138	6.466178	6.218315	6.261358	6.396641	6.524402	6.491623	6.52298	6.784423	6.87988	6.701987	6.79503	6.874314	6.905894	6.505558	6.422408	6.574316
RNF180	ENSG00000164197	-0.69232	-1.9792	-2.51262	0.02205	0.035758	-3.44002	2.438959	1.81559	1.818408	1.326771	1.164793	1.575618	1.389995	1.710758	1.674905	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ADGRV1	ENSG00000164199	1.318553	0.878617	4.803124	0.000154	0.000433	1.057666	3.156438	3.085957	3.162305	4.464421	4.368438	4.610338	2.779728	3.002451	3.00245	0.415169	0.695454	0.34382	0.701742	0.7293	0.335616	0.457048	0.358227	0.315289
SLC25A46	ENSG00000164209	0.481853	6.346179	7.55995	6.55E-07	3.82E-06	5.579189	5.885257	5.930325	5.982065	6.508442	6.358812	6.372415	6.54244	6.480459	6.506283	6.219807	6.222136	6.242565	6.666043	6.769759	6.658445	6.446045	6.346816	6.426093
STARD4	ENSG00000164211	-0.58185	5.141094	-2.55286	0.020288	0.033188	-4.49373	6.046458	6.01922	5.99598	5.938549	5.856685	5.899666	7.165166	7.34717	7.170416	4.553726	4.606195	4.512795	3.141522	3.223865	3.116699	4.226905	4.495561	4.359215
PGGT1B	ENSG00000164219	-0.34268	5.737901	-8.15875	2.29E-07	1.57E-06	6.730176	5.717835	5.783578	5.717553	5.540275	5.419464	5.394483	5.570773	5.673074	5.612649	6.097974	6.118253	6.211047	5.779056	5.814873	5.726866	5.812844	5.87814	5.91704
F2RL2	ENSG00000164220	-0.4687	1.575367	-1.73216	0.100855	0.138951	-4.90948	6.038999	6.182094	6.086081	5.67103	5.684306	5.622881	7.178043	7.167391	7.155026	0.190076	0.259702	0.34382	0.234608	0.190544	0.106501	0.326864	0.19538	0.214669

CCDC112	ENSG00000164221	0.556686	3.177146	4.761664	0.000168	0.000469	0.387537	2.9807	2.870177	2.933559	3.237064	2.520598	2.825643	2.696258	2.777669	2.846105	3.651939	3.501964	3.419749	4.260913	4.190213	4.306856	3.762638	3.659719	3.761956
ANKRD33B	ENSG00000164236	-2.70859	4.408106	-7.13291	1.43E-06	7.45E-06	5.219677	7.544358	7.468316	7.520613	3.851999	4.009905	4.000731	5.753932	5.679597	5.523269	3.584041	3.722323	3.748962	3.039964	3.162755	3.075009	3.272618	3.287607	2.975687
CMBL	ENSG00000164237	0.033034	2.09143	0.101851	0.920035	0.934669	-6.35669	6.435391	6.450203	6.484623	6.493236	6.42096	6.391483	6.817254	6.843522	6.755833	0.190076	0.330605	0.230035	0.562188	0.612281	0.533283	0.257084	0.19538	0.214669
C5orf63	ENSG00000164241	0.175255	3.04115	1.540204	0.14142	0.18685	-5.97687	2.917019	3.182839	2.900124	3.21869	2.71237	3.069023	2.957542	3.122225	3.084728	3.496465	3.547323	3.195594	3.557503	3.68147	3.6725	2.968656	3.356678	3.228839
PRRC1	ENSG00000164244	0.10517	7.172954	2.041933	0.056547	0.083151	-5.89348	7.2567	7.332375	7.292399	7.523468	7.499956	7.467996	7.015369	7.097252	6.963088	7.139454	7.145024	7.076898	7.141997	7.103648	7.166893	7.027678	7.004399	7.045406
F2RL1	ENSG00000164251	-0.54435	5.065496	-9.36877	3.13E-08	2.99E-07	8.76127	2.609804	2.655462	2.579475	2.766336	2.881616	2.064596	3.072345	2.894433	2.82232	7.893333	7.835678	7.877765	7.261493	7.266202	7.319737	7.910701	7.931586	7.879771
AGGF1	ENSG00000164252	0.198259	5.887693	3.869473	0.001177	0.002606	-2.00366	6.119004	6.130976	6.18657	6.340176	6.212315	6.182445	6.202659	6.212301	6.206646	5.627223	5.510473	5.486135	5.805085	5.881184	5.781349	5.559256	5.453977	5.542033
WDR41	ENSG00000164253	0.230959	5.004115	3.229263	0.004791	0.009154	-3.20407	5.672757	5.642269	5.477985	5.740289	5.568621	5.722075	5.620676	5.801241	5.605699	4.332495	4.269773	4.190389	4.580176	4.749998	4.635585	4.418877	4.568087	4.382594
NDUFS4	ENSG00000164258	-0.2182	5.743755	-3.9177	0.001059	0.002379	-1.85213	6.374462	6.539156	6.403429	6.049263	6.056841	6.148201	6.364618	6.347489	6.287046	5.259969	5.263327	5.349772	5.158554	5.277664	5.255457	5.299906	5.289597	5.194471
SPINK1	ENSG00000164266	-3.95144	-0.10475	-13.1441	1.71E-10	4.83E-09	13.33916	1.642349	1.81559	1.987129	0.635873	0.106501	0.2349	0.886508	1.001115	0.735084	2.409929	2.727926	2.638296	0.407676	0.671977	0.335616	1.320757	1.206659	0.999041
ESM1	ENSG00000164283	0.200976	-0.28477	0.459796	0.651331	0.702477	-6.17729	3.313074	3.676739	3.533304	3.944346	3.457132	3.689474	6.44139	6.411592	6.437493	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GRPEL2	ENSG00000164284	-0.61583	5.628562	-4.6565	0.000211	0.000572	-0.24448	6.227986	6.03969	6.040775	4.949796	4.86605	4.983728	5.574674	5.885479	5.961941	5.888767	5.768456	5.843749	5.647128	5.681447	5.576251	5.609121	5.670976	5.654343
ARSK	ENSG00000164291	0.714318	2.289855	5.804173	1.89E-05	6.87E-05	2.875523	2.27083	2.448351	2.37563	3.181227	3.112982	2.825643	2.884002	3.023117	2.588518	2.338465	2.23117	1.896649	2.591031	2.756951	2.604018	2.229352	2.410923	2.59029
RHOBTB3	ENSG00000164292	0.204822	7.940583	1.258074	0.224913	0.280683	-7.13462	8.375238	8.376284	8.351069	7.990189	7.911683	7.931857	7.671554	7.758794	7.763537	7.800815	7.877347	7.774056	8.567483	8.581212	8.629196	7.200861	7.232192	7.25151
GPX8	ENSG00000164294	1.190586	5.114028	13.07059	1.87E-10	5.15E-09	14.20573	5.429176	5.504468	5.347631	6.55861	6.3444	6.430558	6.116986	6.328935	6.242934	3.512789	3.668598	3.712353	5.036421	4.869552	5.020346	4.353508	4.268595	4.286716
TIGD6	ENSG00000164296	0.092195	3.620093	1.019994	0.321643	0.384972	-6.66422	4.186225	4.101775	4.1812	4.254996	4.040879	3.97338	4.079318	4.203129	4.198517	3.303547	3.204502	3.353367	3.532792	3.470735	3.571181	3.011667	3.32748	3.364179
SERINC5	ENSG00000164300	-0.26693	5.420549	-2.76146	0.013101	0.022466	-4.36389	5.015692	5.130591	4.98267	5.400559	5.226392	5.268872	4.552561	4.696781	4.66091	6.391835	6.329896	6.320212	5.802503	5.814873	5.77648	5.65393	5.605589	5.603018
CASP3	ENSG00000164305	-0.37946	6.107033	-6.38595	5.94E-06	2.52E-05	3.351579	6.553964	6.381882	6.409383	6.046662	6.19406	6.204178	6.487637	6.595316	6.508148	6.089837	6.134444	6.138002	5.651439	5.741888	5.631222	5.830969	5.837294	5.886702
PRIMPOL	ENSG00000164306	-0.93123	3.160032	-8.40636	1.50E-07	1.10E-06	7.612139	4.296689	4.262405	4.249168	3.181227	2.881616	3.216292	3.507292	3.431409	3.389938	3.376719	3.322263	3.413246	2.791825	3.032175	2.689384	3.001034	2.908298	2.928814
ERAP1	ENSG00000164307	0.140219	7.054805	3.839938	0.001256	0.002762	-2.20913	7.025253	7.014736	6.996669	7.17725	7.135191	7.231619	7.230905	7.114207	7.190297	6.862126	6.909132	6.856764	6.976057	6.974767	7.016709	7.175079	7.125263	7.176583
ERAP2	ENSG00000164308	0.262032	2.738208	2.525442	0.021474	0.034938	-4.29641	1.927307	1.81559	2.248556	2.518519	2.686486	2.629332	2.340763	2.290412	2.165532	3.744695	3.584062	3.380287	3.746669	3.544454	3.658454	3.743628	3.772348	3.753014
CMYA5	ENSG00000164309	0.78292	0.504609	3.651395	0.001901	0.004023	-1.44477	0.947665	1.277811	0.898566	1.256461	1.373859	1.623325	1.074544	0.509405	1.171446	1.315703	1.369793	1.061592	1.776519	1.622273	1.876113	1.512637	1.645686	1.58715
EGFLAM	ENSG00000164318	2.507114	1.026213	8.647402	1.00E-07	7.91E-07	7.877161	4.640181	4.852052	4.701394	7.295924	7.175294	7.269593	7.240759	7.183546	7.209908	0.106501	0.106501	0.106501	0.171976	0.190544	0.106501	0.183756	0.19538	0.106501
CFAP97	ENSG00000164323	0.339859	6.131647	4.780334	0.000162	0.000453	-0.03059	6.45374	6.440439	6.41679	6.547611	6.480541	6.526206	6.464699	6.59704	6.417788	5.449962	5.542561	5.548285	6.0834	6.130274	6.076316	5.898412	5.839019	5.85153
RICTOR	ENSG00000164327	-0.28533	5.295253	-5.08845	8.38E-05	0.000253	0.721639	5.2241	5.191734	5.258094	4.740363	4.842803	4.772519	5.131269	5.237527	5.117003	5.774953	5.752405	5.669188	5.479457	5.562284	5.592963	5.522553	5.599495	5.536833
TENT2	ENSG00000164329	-0.01927	6.078762	-0.16864	0.868015	0.891359	-7.72551	6.255601	6.208634	6.37481	5.762655	5.800478	5.928437	6.428516	6.397811	6.331956	5.907408	5.928441	5.880747	6.190958	6.287632	6.221909	5.906981	6.004966	5.998741
EBF1	ENSG00000164330	0.537066	1.083491	1.16033	0.261519	0.321299	-5.74622	3.408783	2.870177	3.013906	4.272916	3.99943	3.907468	3.370387	3.178579	3.437684	0.781331	1.07167	1.094478	0.352262	0.26996	0.404558	0.393424	0.759002	0.580851
ANKRA2	ENSG00000164331	-0.12159	4.009794	-1.17971	0.253923	0.31283	-6.64235	4.785446	4.756352	4.542529	4.263984	4.030628	4.393601	4.034706	4.175703	4.011347	3.87668	3.919204	3.977706	4.033205	4.10073	4.189664	3.545669	3.562824	3.641153
UBLCP1	ENSG00000164332	-0.19436	6.405616	-1.89962	0.074114	0.105655	-6.0536	6.819693	6.826218	6.78859	6.340176	6.054313	6.213949	6.575907	6.570961	6.4988	6.26025	6.320129	6.254437	6.420449	6.455213	6.454087	6.225151	6.194777	6.346593
UTP15	ENSG00000164338	-0.80224	5.506691	-10.6054	4.88E-09	6.68E-08	10.77722	6.43397	6.46679	6.397451	5.388282	5.47722	5.334836	5.882222	5.962395	5.961941	5.46891	5.29248	5.427652	4.810927	4.847068	4.929692	5.240125	5.157568	5.262209
TLR3	ENSG00000164342	0.501298	1.12712	1.551838	0.13862	0.183678	-5.31906	2.707144	2.935191	2.5366	2.605941	2.762786	2.697781	2.933443	3.063581	2.697131	0.781331	0.398185	0.726056	1.524131	1.357245	1.51998	0.738851	0.975239	0.659518
NSA2	ENSG00000164346	-0.14137	7.195647	-4.04951	0.000793	0.001842	-1.76625	7.350832	7.351109	7.326622	7.196155	7.055276	7.218088	7.1245	7.189271	7.159779	7.305009	7.228618	7.264238	7.153186	7.139112	7.203024	7.089838	7.143528	7.206367
GFM2	ENSG00000164347	-0.19837	6.198662	-2.6509	0.016537	0.027623	-4.6431	6.656233	6.761589	6.674569	6.248061	6.170911	6.212	6.232593	6.361757	6.265158	6.063762	6.014403	6.130093	6.09716	6.144832	6.164677	5.939365	5.906389	5.900939
CCDC127	ENSG00000164366	-0.09018	5.190768	-1.31814	0.204473	0.257978	-6.73252	5.237197	5.24399	5.194009	5.472108	5.383668	5.227023	5.286782	5.293887	5.351109	5.384942	5.27461	5.380097	5.130006	5.093459	5.025827	5.026064	5.098298	5.059556
FOXQ1	ENSG00000164379	-3.04171	0.096167	-7.74958	4.67E-07	2.86E-06	6.438263	4.381709	4.457599	4.476008	2.457149	2.03796	1.919272	2.858632	2.451551	2.643847	0.54782	0.583785	0.639567	0.106501	0.106501	0.106501	0.393424	0.2791	0.734116
CSF2	ENSG00000164400	-2.91168	-0.59797	-4.31376	0.000444	0.001104	0.026916	1.927307	2.332462	2.194417	0.106501	0.106501	0.106501	0.106501	0.106501	0.515351	1.676063	1.644832	1.896649	0.982856	0.671977	0.862212	1.833493	1.581179	1.775544
SEPTIN8	ENSG00000164402	0.114768	5.879169	1.082557	0.293715	0.355276	-7.10692	6.244294	6.168638	6.214041	5.806374	5.989635	5.857899	6.114309	6.150246	6.06688	5.409124	5.4757	5.429264	5.929806	5.884342	5.982187	5.85035	5.873097	5.838909
SHROOM1	ENSG00000164403	-0.36958	3.445141	-4.65191	0.000213	0.000577	0.114128	3.19722	3.235413	3.119366	3.041869	3.151334	3.051692	3.115825	2.916694	3.181386	4.242376	4.10258	4.144017	3.691919	3.752319	3.760608	4.349322	4.283876	4.170642
UQCRQ	ENSG00000164405	-0.03066	7.328706	-0.92434	0.367895	0.432766	-7.43665	7.37325	7.399428	7.34071	7.397428	7.45371	7.367395	7.385456	7.34512	7.430473	7.367489	7.328353	7.34802	7.22773	7.299112	7.251784	7.267812	7.215022	7.285238
GJB7	ENSG00000164411	2.595231	0.600655	7.839194	3.99E-07	2.50E-06	6.641301	1.561356	1.420874	1.453818	3.290819	3.502343	3.391835	2.957542	3.102941	2.869505	0.106501	0.462741	0.34382	1.154653	1.120667	0.910419	0.738851	1.289746	0.659518
SLC35A1	ENSG00000164414	0.379569	2.950009	4.299648	0.000458	0.001134	-0.5241	2.568952	2.784561	2.720234	2.887595	2.835252	2.784269	2.908934	2.938616	3.064594	3.294134	3.322263	3.305013	3.714069	3.68147	3.799527	3.307556	3.337278	3.202807
GRIK2	ENSG00000164418	-0.67535	0.356131	-4.54834	0.000267	0.000704	0.014116	0.318509	0.215206	0.219246	0.258133	0.512209	0.2349	0.269385	0.106501	0.106501	3.938405	3.907656	3.886761	3.074617	3.329589	3.263113	3.818209	3.815048	3.770842
CGAS	ENSG00000164430	-0.97056	1.743955	-7.52238	7.01E-07	4.04E-06	5.73241	0.587539	0.8079	0.598525	0.395333	0.389229	0.563119	0.415731	0.106501	0.106501	5.855556	5.691415	5.820595	4.818614	4.875912	4.810905	5.75548	5.629711	5.607985
CITED2	ENSG00000164442	-0.42847	5.730051	-3.91727	0.00106	0.00238	-1.90153	6.426843	6.455753	6.427097	5.684481	5.667864	5.587238	5.719113	5.535999	5.703339	5.814994	5.916967	6.076575	5.880469	5.860486	5.750232	5.124869	5.121165	4.910709
TBXT	ENSG00000164458	1.720551	4.321094	7.889315	3.65E-07	2.33E-06	6.793273	9.377711	9.374128	9.450904	11.19017	11.14015	11.08877	10.81133	10.70033	10.78599	0.269074	0.330605	0.449284	0.407676	0.484926	0.651457	0.457048	0.504542	0.315289
CREBRF	ENSG00000164463	1.129047	2.586828	9.029235	5.37E-08	4.71E-07	8.628478	1.894617	1.780637	1.987129	2.91067	2.549605	2.675323	2.058296	2.220554	2.274723	2.978724	3.365114	3.312021	4.294375	4.363157	4.179864	2.706012	2.784842	2.944608
DCBLD1	ENSG00000164465	-0.38753	4.197585	-4.21989	0.000546	0.001326	-0.99599	4.014302	3.829904	3.96379	3.921807	3.912781	3.897801	3.539581	3.82184	3.655245	4.829349	4.902278	4.972471	4.489986	4.363157	4.320301	4.838721	4.780497	5.004109
SFXN1	ENSG00000164466	0.089833	7.185914	1.038165	0.313343	0.376144	-7.28229	7.139522	7.266007	7.106103	7.618504	7.54926	7.582546	8.096716	8.084827	8.000558	6.723489	6.680555	6.647626	6.422132	6.466846	6.451034	7.22219	7.167068	7.318954
PDSS2	ENSG00000164494	0.343561	3.592391	3.709386	0.001674	0.003581	-1.8116	4.145127	4.281283	3.971859	4.367681	4.284653	4.48682	4.6145	4.637703	4.680887	2.868884	2.829342	2.902498	3.173846	3.292034	3.317756	3.103995	3.104657	3.006111
STXBP5	ENSG00000164506	0.441734	4.686473	3.752248	0.001523	0.003289	-2.06034	4.574623	4.527784	4.671981	5.543969	5.379635	5.54451	4.7858	4.814082	4.831463	4.641707	4.595438	4.527922	4.612964	4.585115	4.591911	4.454386	4.367537	4.359215
IL31RA	ENSG00000164509	-0.87569	0.350014	-2.55559	0.020174	0.03303	-3.69175	1.519087	1.670392	1.358564	0.258133	0.389229	0.2349	0.983587	0.824004	0.735084	2.078238	1.875739	1.718241	2.044674	1.738515	1.749324	1.759719	1.613793	1.81044
RAET1E	ENSG00000164520	-0.07967	1.591541	-0.27504	0.78651	0.822668	-6.71468	1.519087	1.631689	1.706811	2.457149	2.264801	2.22781	1.389995	1.549165	1.620777	2.320032	2.469748	1.896649	1.667235	1.681564	1.970087	2.706012	2.696248	2.975687
DAGLB	ENSG00000164535	-0.23713	4.494704	-2.07658	0.052885	0.078218	-5.43056	5.233934	4.976959	5.116065	4.59836	4.628433	4.271657	4.528631	4.59002	4.801363	4.501517	4.369954	4.512795	4.63635	4.450973	4.554478	4.042177	4.211138	4.073428
KIAA0895	ENSG00000164542	-0.15454	4.014716	-2.06142	0.054459	0.080288	-5.30557	4.674285	4.457599	4.476008	4.254996	4.240862	4.473866	4.235306	4.489649	4.355908	3.723813	3.947677	3.759253	3.708564	3.688714	3.773698	3.806044	3.870083	3.984547
STK17A	ENSG00000164543	-0.64867	6.483985	-6.80548	2.64E-06	1.26E-05	4.192468	7.444853	7.460055	7.481587	6.773673	6.693695	6.683573	7.906333	7.859186	7.818674	5.844313	5.803151	5.89715	5.26928	5.460164	5.308139	5.757061	5.762906	5.849434
TRA2A	ENSG00000164548	-0.19724	6.330267	-1.83376	0.083775	0.117809	-6.14284	6.333889	6.347962	6.227583	6.023033	5.868245	6.029279	6.822184	6.866575	6.932863	6.366236	6.343889	6.34006	6.237578	6.311289	6.208716	6.238791	6.335861	6.44842
GALNT10	ENSG00000164574	-0.44754	7.039135	-1.45711	0.162817	0.211213	-6.77887	6.801072	6.83689	6.856623	7.557676	7.561773	7.472887	7.073036	7.065227	7.001986	7.343163	7.266972	7.245144	5.925066	5.834598	5.822871	7.756454	7.748194	7.760474
SAP30L	ENSG00000164576	0.910915	4.460283	13.4107	1.24E-10	3.82E-09	14.64676	4.252223	4.318312	4.394314	5.268353	5.379635	5.230878	4.938902	4.690335	4.801363	3.920163	3.953305	3.809637	4.555854	4.777434	4.670996	4.349322	4.151298	4.080593
RPS14	ENSG00000164587	0.241926	9.51223	6.530427	4.48E-06	1.98E-05	3.370865	9.498882	9.452036	9.437856	9.690045	9.708708	9.633813	9.825551	9.780779	9.788788	9.284166	9.246555	9.150689	9.449747	9.512757	9.51552	9.379711	9.435843	9.465814
COG5	ENSG00000164597	-0.03112	5.593498	-0.36051	0.722788	0.767972	-7.59254	6.224702	6.221723	6.176132	5.996317	5.773069	5.875244	5.897874	5.865591	5.650287	5.269607	5.258789	5.216073	5.431803	5.564254	5.517157	5.02081	5.123998	5.171166
BMT2	ENSG00000164603	0.644155	3.064303	6.735096	3.02E-06	1.41E-05	4.519043	2.668993	2.636038	2.758051	3.740513	3.426184	3.321269	2.779728	2.676938	2.981126	3.226465	3.439177	3.325935	3.799417	3.839509	3.747398	3.063688	3.467897	3.410407
SLU7	ENSG00000164609	-0.08492	5.91225	-0.98533	0.337904	0.401767	-7.25201	5.93634	5.873404	5.922947	5.456512	5.458224	5.490866	5.490461	5.666521	5.534291	6.34246	6.263495	6.247143	6.336378	6.519589	6.457132	5.881119	5.943748	6.05439
RP9	ENSG00000164610	-0.28732	3.991515	-3.14174	0.005795	0.01086	-3.18473	4.664623	4.383825	4.370098	4.161901	3.912781	4.036412	4.402637	4.504423	4.599264	3.901688	3.70241	4.059098	3.799417	3.799921	3.693316	3.894879	3.903444	3.734962
PTTG1	ENSG00000164611	-1.93491	5.310501	-10.4285	6.30E-09	8.13E-08	10.63558	6.341489	6.402146	6.304671	5.087795	5.152684	5.055043	6.670066	6.626038	6.663472	5.636563	5.608245	5.545315	2.949505	3.193633	2.858649	5.580838	5.467424	5.481066
CAMLG	ENSG00000164615	0.220469	5.243897	4.193346	0.000578	0.001396	-1.22065	5.253402	5.204977	5.108765	5.346585	5.20376	5.230878	5.141824	5.174263	5.150819	5.200749	5.270107	5.341234	5.642804	5.57015	5.549863	5.249139	5.184958	5.268497
BMPER	ENSG00000164619	1.726944	1.291916	4.224603	0.00054	0.001314	-0.11577	5.237197	5.31594	5.248163	7.092759	6.970674	7.026239	6.232593	6.078014	6.276143	0.269074	0.259702	0.230035	0.171976	0.26996	0.263213	0.106501	0.106501	0.106501
RELL2	ENSG00000164620	0.729631	3.185301	5.781425	1.98E-05	7.15E-05	2.556595	2.080492	2.125186	2.018628	3.487804	3.295295	3.432575	2.884002	2.753138	2.798137	3.838337	3.682218	3.779618	4.234338	4.15926	4.139984	3.989359	4.100421	3.779675
KCNK5	ENSG00000164626	-0.655	3.208659	-5.28867	5.49E-05	0.000175	1.43139	2.744313	2.693541	2.558197	1.326771	1.164793	1.669505	2.545421	2.650616	2.501332	5.035466	4.842882	4.947938	4.493192	4.488812	4.440084	4.61293	4.718118	4.637057
ZNF12	ENSG00000164631	0.041599	5.711177	0.512787	0.61452	0.670082	-7.55771	5.938346	5.996553	5.901987	5.797117	5.57216	5.671913	5.597858	5.801241	5.667077	5.552212	5.593905	5.513751	5.829386	5.821478	5.867817	5.772774	5.672912	5.742817
SLC29A4	ENSG00000164638	1.07704	2.470427	11.78028	9.63E-10	1.85E-08	12.62526	2.649532	2.9974	2.720234	3.619685	3.722109	3.733615	3.115825	3.023117	3.124172	1.840286	1.967585	1.877881	2.749557	2.743101	2.906973	2.211015	2.315011	2.033602
STEAP1	ENSG00000164647	-1.39283	3.904736	-4.70207	0.000191	0.000524	0.132719	3.236881	3.347134	2.982302	3.999198	3.6964	3.711713	3.158032	3.415864	3.124172	5.281564	5.162472	5.260219	3.228726	3.263212	3.396027	5.380055	5.329416	5.385942
CDCA7L	ENSG00000164649	-0.94859	5.230711	-9.31899	3.38E-08	3.20E-07	8.778246	5.814934	5.814146	5.769395	4.591236	4.621619	4.610338	4.666597	4.981823	4.819498	5.788424	5.747555	5.815673	5.071159	5.085249	4.97856	5.64029	5.556102	5.523749
MIOS	ENSG00000164654	0.118729	5.343453	1.693505	0.108105	0.147683	-6.22823	5.626225	5.509814	5.390399	5.268353	5.49597	5.394483	5.422829	5.484771	5.566863	5.109782	5.142905	5.185873	5.436806	5.390798	5.532641	5.289021	5.292118	5.299535
ELAPOR2	ENSG00000164659	1.102972	3.254043	8.601131	1.08E-07	8.41E-07	7.902063	2.867343	2.655462	2.794903	4.209199	4.081169	4.407292	3.457463	3.160038	3.104585	3.102524	3.269103	3.133657	3.799417	3.964133	3.78667	3.053433	3.256961	3.30423
USP49	ENSG00000164663	0.254509	2.673203	1.441243	0.167193	0.216229	-6.00386	3.100204	2.853456	3.029452	2.425456	2.333126	2.581827	2.752438	3.002451	2.697131	2.763691	2.877496	2.756026	3.339736	3.544454	3.494191	2.935534	2.921385	2.706008
SYTL3	ENSG00000164674	0.045514	1.383541	0.322478	0.750916	0.792303	-6.87715	1.642349	1.118985	1.453818	0.934951	1.006428	0.830331	0.782422	1.001115	1.01237	2.930935	2.779525	2.756026	2.902055	3.077028	3.126936	2.625227	2.799093	2.990979
HEY1	ENSG00000164683	-0.5493	2.91788	-2.22877	0.039219	0.059775	-4.88368	2.629805	2.125186	2.194417	2.97776	3.378481	3.405543	2.303642	2.290412	2.697131	4.182415	4.305413	4.136142	3.18974	3.243672	2.930541	3.324713	3.431768	3.466183
ZNF704	ENSG00000164684	-0.35357	4.183033	-3.64115	0.001944	0.004105	-2.30154	4.199669	4.401188	4.1812	3.791129	4.081169	4.130213	3.219115	2.916694	3.340558	5.012691	5.137972	4.918395	4.665059	4.707838	4.595601	4.489042	4.605057	4.483349
FABP5	ENSG00000164687	-1.11168	5.997349	-19.7157	2.21E-13	3.48E-11	20.9606	6.695905	6.746952	6.643335	5.803295	5.757614	5.743822	6.230122	6.276108	6.39781	6.343601	6.281503	6.395543	5.07758	5.107039	5.13383	5.969675	5.856159	5.938889
CHMP4C	ENSG00000164695	0.132057	4.247073	0.59602	0.558802	0.618293	-7.44613	4.10996	4.080378	4.153091	2.457149	2.490996	2.164723	1.966276	2.069791	1.826075	5.79678	5.801592	5.779474	6.255623	6.288824	6.257287	5.764939	6.044381	5.904981
BRI3	ENSG00000164713	0.00731	6.099747	0.086074	0.932386	0.944589	-7.73371	6.590142	6.633998	6.500048	6.665914	6.562874	6.481604	6.151346	6.124179	6.143263	5.76817	5.625972	5.90644	5.784299	5.788145	5.827587	5.936577	5.837294	5.868189
LMTK2	ENSG00000164715	0.194088	6.169263	1.243269	0.230188	0.286488	-6.96456	6.323181	6.380424	6.299872	7.168901	7.086539	7.135154	6.351036	6.379897	6.190479	6.037207	6.110718	6.06002	5.629755	5.720844	5.620394	5.742772	5.541343	5.661529
CTSB	ENSG00000164733	0.36723	8.942402	5.101122	8.16E-05	0.000247	0.427263	8.873394	8.88259	8.849002	9.42622	9.409962	9.440329	9.362767	9.359681	9.403558	8.646452	8.605352	8.63089	8.799469	8.810792	8.806244	8.548514	8.590009	8.574147
DLC1	ENSG00000164741	-0.24767	0.015139	-1.35842	0.191606	0.243686	-5.41099	4.973272	4.83937	4.974661	4.619522	4.607895	4.772519	5.743574	5.653324	5.706591	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ADCY1	ENSG00000164742	-0.9504	4.057048	-7.52593	6.97E-07	4.02E-06	5.824236	3.836399	3.667203	3.93931	3.376187	3.410458	3.678224	3.315502	3.521314	3.528681	5.085433	5.135498	5.022459	3.904282	3.964133	4.083285	5.156356	5.027439	5.109451
SUN3	ENSG00000164744	-1.43613	-0.5544	-3.5496	0.002378	0.004899	-1.57444	1.12723	1.327092	0.898566	0.258133	0.106501	0.3528	0.670238	0.726566	0.106501	1.423238	1.644832	1.49011	1.018891	1.120667	1.17005	1.058946	1.2488	1.115245
HNF4G	ENSG00000164749	0.150173	2.050516	0.714738	0.484209	0.547696	-7.04583	0.814199	1.061904	1.028027	2.21912	2.117603	2.317553	0.886508	0.253663	0.39151	4.125171	4.152359	4.178935	4.063713	4.10615	4.209066	4.036981	4.059571	4.136669
PEX2	ENSG00000164751	0.360477	5.559391	3.554339	0.002353	0.004855	-2.67584	5.485141	5.51514	5.402389	5.286108	5.446705	5.522662	5.431459	5.535999	5.489686	5.524305	5.471785	5.57329	6.136645	6.206689	6.128197	5.486798	5.489561	5.507891
RAD21	ENSG00000164754	-0.12608	7.801215	-3.11341	0.006162	0.011474	-3.85821	7.073513	7.070061	7.054799	7.09402	7.051479	7.071012	7.372071	7.414223	7.360976	8.479234	8.501387	8.49759	8.250988	8.29773	8.263306	8.551022	8.537321	8.613273
MED30	ENSG00000164758	-0.66754	3.331658	-5.86879	1.66E-05	6.16E-05	2.682244	3.443098	3.382531	3.431666	2.181668	2.299368	2.196611	2.340763	2.825515	2.892531	4.337085	4.487097	4.512795	3.95166	4.10615	4.013272	4.293774	4.242761	4.051715
TNFRSF11B	ENSG00000164761	0.090934	1.09512	0.340791	0.737323	0.780041	-6.33365	3.223781	3.182839	3.190238	3.714523	3.441741	3.510758	3.904396	3.924273	3.844255	0.781331	0.640699	0.76743	0.352262	0.345231	0.335616	0.738851	0.572487	0.805046
EN2	ENSG00000164778	0.075743	1.578573	0.404512	0.690743	0.738552	-6.49425	3.026682	2.870177	3.029452	2.999448	2.948483	3.136338	3.277716	2.916694	2.530983	1.158593	1.112482	1.126631	1.218025	1.320413	1.046067	1.681967	1.368306	1.170016
KCNV1	ENSG00000164794	0.373444	0.57109	2.973879	0.008327	0.014986	-3.37447	0.318509	0.215206	0.421314	0.395333	0.25478	0.2349	0.269385	0.106501	0.39151	3.446357	3.612795	3.325935	3.884887	3.745389	3.824901	4.005409	3.829005	3.856822
SPIDR	ENSG00000164808	-0.01529	5.392416	-0.21537	0.83197	0.86061	-7.66038	5.093368	5.161486	5.176661	4.827817	4.675247	4.869675	4.944941	4.877874	4.895553	5.89967	5.962327	5.894818	6.050049	6.048178	6.143404	5.747551	5.692129	5.77188
ORC5	ENSG00000164815	-0.22867	5.320722	-3.87315	0.001168	0.002589	-1.89872	5.801771	5.803303	5.891391	5.452586	5.383668	5.448454	5.764215	5.679597	5.566863	5.046721	5.100422	5.145251	5.096674	4.976997	5.044848	5.09768	5.089629	5.063177
DNAAF5	ENSG00000164818	-0.3295	6.443644	-4.85481	0.000138	0.000392	0.078204	6.88979	6.926554	6.970733	6.414705	6.480541	6.36717	6.560254	6.427182	6.361138	6.391835	6.333137	6.52633	6.312986	6.172221	6.284978	6.391114	6.302487	6.183125
OSGIN2	ENSG00000164823	-0.49743	7.030348	-3.24322	0.004648	0.008907	-3.46877	8.305064	8.337729	8.344481	7.427738	7.480317	7.514597	7.993415	8.092181	7.971116	6.422397	6.382987	6.456896	6.326528	6.378901	6.374696	5.614363	5.657352	5.720055
DEFB1	ENSG00000164825	-1.45793	0.571692	-5.98959	1.30E-05	5.00E-05	3.407699	6.770995	6.804633	6.80449	5.388282	5.180767	5.341983	6.44139	6.442606	6.524823	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SUN1	ENSG00000164828	-0.85186	6.839105	-12.6743	3.05E-10	7.38E-09	13.49905	7.592925	7.643283	7.559281	6.464286	6.508511	6.540255	7.096287	7.161578	7.159779	6.835607	6.900419	6.85856	6.267841	6.261152	6.229054	6.744224	6.77761	6.747502
OXR1	ENSG00000164830	-0.09864	5.387306	-1.88723	0.075852	0.107885	-5.99344	4.584905	4.658672	4.739702	4.272916	4.500575	4.447604	4.536652	4.68386	4.505294	6.429938	6.348167	6.40786	6.322028	6.365404	6.382194	6.146525	6.145437	6.249797
TMEM74	ENSG00000164841	-0.49388	-0.05423	-2.43776	0.02572	0.041082	-3.84168	0.667115	0.661886	0.598525	0.635873	0.625525	0.461789	1.074544	0.726566	0.39151	1.732907	1.529011	1.718241	1.308151	1.2438	1.284217	1.571317	1.878239	1.273688
FAM86FP	ENSG00000164845	-0.13283	0.121784	-0.5129	0.614443	0.670049	-6.38267	1.18244	1.173893	0.598525	0.258133	0.92021	0.830331	0.670238	0.622068	0.833554	1.704765	1.467416	1.49011	1.733794	1.495836	1.749324	1.354562	1.442809	1.322858
GPER1	ENSG00000164850	-0.05662	1.420548	-0.19232	0.849708	0.875906	-6.58979	0.882475	1.226787	1.358564	1.888135	1.556428	1.367251	2.981245	2.825515	2.748518	1.840286	1.8028	2.409144	1.524131	1.495836	1.801384	2.368215	2.429363	2.419973
TMEM184A	ENSG00000164855	-0.21173	5.438476	-1.11876	0.278385	0.339008	-7.06784	5.504227	5.517795	5.581801	4.072648	4.1957	4.170914	4.723921	4.332946	4.45204	6.081653	6.118253	6.182654	6.499889	6.385602	6.463205	6.152543	6.132834	6.06165
NOS3	ENSG00000164867	0.681185	2.043021	7.903184	3.56E-07	2.28E-06	6.512747	0.742531	0.8079	0.598525	0.742604	0.730585	0.830331	1.160105	0.387194	0.629397	4.710546	4.692848	4.842989	5.538057	5.434541	5.339289	4.249541	4.338561	4.399883
MICALL2	ENSG00000164877	0.241809	5.421142	2.891116	0.009943	0.017569	-4.04083	5.313374	5.181722	5.594921	5.400559	5.593209	5.331249	5.764215	5.420016	5.673738	5.104407	5.29248	5.332646	5.669971	5.479087	5.650865	5.537346	5.502682	5.362617
INTS1	ENSG00000164880	-0.0828	7.985293	-1.23711	0.232412	0.289104	-7.14909	8.219389	8.266489	8.419039	7.928642	8.166989	7.977314	8.202596	8.020761	8.158499	7.727967	7.820362	7.881597	7.965843	7.882364	7.88251	7.839373	7.809313	7.673111
CDK5	ENSG00000164885	-0.15153	4.807104	-2.03485	0.057323	0.084152	-5.58315	5.060589	5.059469	4.998554	4.591236	4.56592	4.662649	4.864381	4.796183	4.866774	4.954128	4.875852	4.968042	4.973543	4.956139	5.009321	4.871197	4.725598	4.675424
SLC4A2	ENSG00000164889	0.42911	7.798649	5.518047	3.41E-05	0.000115	1.385733	7.856953	7.813966	7.854277	8.463277	8.628189	8.451264	7.810351	7.65006	7.701327	7.564352	7.509731	7.602122	7.829825	7.723926	7.707688	7.510169	7.476756	7.345222
FASTK	ENSG00000164896	0.519466	6.100211	12.06997	6.58E-10	1.36E-08	12.76615	6.224702	6.266621	6.307862	6.818591	6.899228	6.853225	6.540447	6.459763	6.474207	5.508112	5.533197	5.583462	6.054396	5.871668	5.983596	5.60386	5.613675	5.617869
TMUB1	ENSG00000164897	0.195835	5.269758	3.108747	0.006224	0.011583	-3.57773	5.163648	5.185067	5.241504	5.444703	5.532753	5.425089	5.093706	5.098392	5.252213	5.208286	5.231258	5.478369	5.463201	5.458046	5.418515	5.410507	5.370553	5.070394
PHAX	ENSG00000164902	-0.3318	6.498544	-7.18861	1.29E-06	6.83E-06	4.855501	6.682802	6.635221	6.615279	6.144804	6.11379	6.196313	6.205178	6.273954	6.338259	6.811892	6.805602	6.821595	6.586483	6.612974	6.634428	6.610714	6.546909	6.636412
ALDH7A1	ENSG00000164904	0.126253	6.122169	1.062719	0.302373	0.36448	-7.14873	6.648901	6.633998	6.62042	6.576757	6.591051	6.710052	6.739468	6.74433	6.883434	5.747627	5.618907	5.709551	5.9855	5.912457	5.939265	5.161139	5.203826	5.191165
FOXK1	ENSG00000164916	-0.25901	6.018497	-2.13551	0.047146	0.070477	-5.5476	6.543459	6.450203	6.494458	6.307949	6.285268	6.338872	7.162576	7.078863	7.033402	5.58539	5.719758	5.666457	5.338642	5.277664	5.319341	5.500074	5.266706	5.417409
COX6C	ENSG00000164919	-0.1485	6.849206	-2.7223	0.014232	0.024186	-4.56736	7.215934	7.305732	7.162711	7.003011	6.899228	6.934663	6.989306	7.128582	7.22132	6.667178	6.694063	6.687915	6.664622	6.628123	6.690721	6.57352	6.474393	6.580647
OSR2	ENSG00000164920	1.008071	1.219314	3.935552	0.001018	0.002299	-0.89014	1.384302	1.631689	1.62731	1.791994	2.078331	1.799787	2.186178	2.108984	2.202855	1.158593	1.403073	1.49011	2.25569	2.48471	2.23906	1.099384	1.613793	1.416439
YWHAZ	ENSG00000164924	-0.03635	10.27281	-1.14193	0.268886	0.328903	-7.42037	9.849389	9.836299	9.809688	9.793368	9.757114	9.76389	9.808675	9.855242	9.811241	10.7194	10.68586	10.66306	10.63227	10.69737	10.69204	10.80711	10.84735	10.90403
FZD6	ENSG00000164930	-0.22375	6.481564	-3.07958	0.00663	0.012259	-3.81475	6.538177	6.545676	6.502835	6.009737	5.965622	6.044692	6.278754	6.107342	6.138455	6.94039	6.833334	6.77924	6.839787	6.829142	6.865198	6.533497	6.608892	6.613129
CTHRC1	ENSG00000164932	0.473296	2.036865	4.963052	0.000109	0.00032	0.545865	0.106501	0.316291	0.323815	0.742604	0.25478	0.2349	0.548589	0.509405	0.629397	5.678768	5.789058	5.765503	6.134593	6.227976	6.218323	6.429288	6.489849	6.355481
SLC25A32	ENSG00000164933	-0.3955	6.290588	-9.44373	2.78E-08	2.72E-07	8.859723	6.443889	6.443236	6.361052	5.974582	6.00018	6.057773	6.536452	6.440687	6.395797	6.489916	6.481699	6.505084	6.04022	6.123609	6.170875	6.381922	6.345603	6.381823
DCAF13	ENSG00000164934	-0.08041	7.359084	-2.30636	0.033581	0.052078	-5.45078	6.72525	6.851701	6.771358	6.633339	6.559313	6.624723	6.621871	6.590132	6.603683	8.165897	8.058948	8.081424	8.079243	8.095267	8.089694	8.029256	8.024349	8.040434
TP53INP1	ENSG00000164938	1.235912	3.933368	3.631379	0.001987	0.004183	-2.07288	4.679091	4.817982	4.781616	5.272812	5.248674	5.313181	4.8959	4.981823	4.934903	2.338465	2.727926	2.382761	4.726277	4.837324	4.688381	2.317694	2.233409	2.200755
INTS8	ENSG00000164941	0.106049	5.564656	1.406898	0.176991	0.227352	-6.7195	4.917414	5.018804	4.998554	5.380038	5.334513	5.397916	4.986526	4.922558	4.849226	6.073423	6.09553	6.091924	5.995707	6.056601	6.064381	6.224008	6.157931	6.198027
VIRMA	ENSG00000164944	-0.07504	6.869281	-1.84	0.082815	0.1166	-6.22879	6.37001	6.320848	6.339387	6.396431	6.278786	6.430558	6.040078	6.070587	6.015365	7.629423	7.692864	7.611028	7.463768	7.529875	7.522842	7.387455	7.346975	7.451986
GEM	ENSG00000164949	-0.84975	3.012323	-4.17322	0.000604	0.001448	-0.5882	4.559062	4.548709	4.553323	4.072648	4.061165	4.170914	4.606901	4.690335	4.694053	2.736149	2.841532	2.627101	1.597456	1.357245	1.129895	2.384669	2.295039	2.06284
PDP1	ENSG00000164951	-0.33123	5.174582	-4.60911	0.000234	0.000626	-0.38778	4.387594	4.366251	4.301326	3.290819	3.709312	3.744443	3.423261	3.698786	3.389938	6.959124	6.837144	6.926915	6.72654	6.685371	6.68467	6.366472	6.333415	6.470408
TMEM67	ENSG00000164953	0.445495	4.562879	4.779531	0.000162	0.000453	0.143562	4.029438	3.968357	4.102541	4.052041	4.13	4.130213	4.154215	4.307901	4.05282	4.968993	5.077414	4.959141	5.609219	5.558335	5.572511	4.743057	4.936897	4.973643
WASHC5	ENSG00000164961	0.634151	6.1932	9.900425	1.38E-08	1.55E-07	9.59883	6.023964	5.994648	5.999931	6.888543	6.754132	6.781444	6.402418	6.425243	6.401828	5.850748	5.960931	5.834045	6.366407	6.351779	6.309903	5.827964	5.833837	5.845233
RPP25L	ENSG00000164967	-0.06301	4.465643	-1.10911	0.282413	0.343355	-6.86316	4.615318	4.495815	4.43574	4.43289	4.478119	4.358792	4.283766	4.157125	4.305329	4.703453	4.682721	4.855034	4.8288	4.615839	4.677975	4.434767	4.609106	4.607598
FAM219A	ENSG00000164970	-0.0988	4.041867	-1.23035	0.234869	0.291677	-6.45731	5.149863	5.10962	4.998554	4.759555	5.008661	4.965334	5.233498	5.058905	5.220718	3.246125	3.313538	3.035461	3.24403	3.223865	3.206318	3.43152	3.277464	3.202807
SNAPC3	ENSG00000164975	0.415376	4.917031	4.860492	0.000136	0.000388	0.367454	5.060589	4.965333	4.946277	5.380038	5.138434	5.268872	5.701383	5.862728	5.612649	4.382206	4.107636	4.289577	4.8288	4.718494	4.772296	4.664377	4.864208	4.865793
MYORG	ENSG00000164976	0.371546	3.584216	2.002735	0.060967	0.088889	-5.58451	3.541402	3.516026	3.745844	2.999448	3.053471	3.168853	1.459147	1.605065	1.826075	4.438829	4.588222	4.554757	5.119672	5.060335	5.143946	4.616418	4.656838	4.627304
NUDT2	ENSG00000164978	0.043451	3.743523	0.600032	0.556185	0.615903	-7.12713	3.783815	3.804029	3.987862	3.827958	3.808643	3.878271	3.457463	3.798055	3.586306	3.851231	3.901847	4.132188	4.002038	4.132949	4.01878	3.830273	3.620134	3.906054
TMEM65	ENSG00000164983	0.728236	5.273128	8.026571	2.87E-07	1.91E-06	6.560938	3.87042	4.087546	4.138828	5.218368	5.190008	5.211499	5.08826	5.122533	5.102264	5.349028	5.485444	5.396673	5.797326	5.924779	5.958022	6.226292	6.284874	6.243427
PSIP1	ENSG00000164985	-0.47064	5.807678	-4.58586	0.000246	0.000655	-0.43216	5.98179	6.002253	5.99598	5.860706	5.842105	5.855404	5.559008	5.761822	5.588176	6.123444	6.069855	6.130093	5.297059	5.4665	5.475705	6.067194	5.93732	6.006286

CCDC171	ENSG00000164989	-0.51214	2.468866	-3.76943	0.001467	0.003178	-1.74336	2.245129	2.448351	2.049454	0.934951	1.666451	1.367251	1.459147	1.231675	2.005764	4.276236	4.002991	4.04234	3.675081	3.858903	3.773698	3.912008	4.041704	3.744016
UBAP1	ENSG00000165006	0.188502	6.673447	4.290339	0.000468	0.001154	-1.20307	5.975942	6.006041	6.03501	6.225234	6.11379	6.265599	6.29303	6.269636	6.247406	7.1993	7.124594	7.138312	7.293104	7.356522	7.342976	7.158429	7.21834	7.138467
SYK	ENSG00000165025	-0.24838	1.795691	-2.29435	0.034401	0.053206	-5.13257	0.742531	0.316291	0.756332	0.52061	0.512209	0.657796	0.106501	0.387194	0.106501	5.69674	5.726347	5.701568	5.479457	5.375169	5.51521	5.273642	5.25383	5.359675
ABCA1	ENSG00000165029	0.327144	3.927505	3.483213	0.00275	0.005577	-2.59078	3.465529	3.405656	3.39613	2.97776	3.531716	3.377995	3.33403	3.415864	3.181386	4.346223	4.732663	4.503642	4.959705	5.032138	4.96721	4.787047	4.613145	4.587619
NFIL3	ENSG00000165030	0.579177	5.193655	3.475017	0.0028	0.005663	-2.75493	4.450796	4.724521	4.531653	6.044055	5.634408	5.882614	5.539183	5.396449	5.424038	5.004057	5.113047	5.285361	5.160571	5.15751	5.095248	5.306398	5.282007	5.207621
LETM2	ENSG00000165046	-1.23132	1.790457	-5.8931	1.58E-05	5.91E-05	3.037367	1.642349	1.327092	1.78216	1.326771	1.556428	1.623325	1.588238	1.301009	1.564539	3.340597	3.195032	3.400153	1.897591	2.307842	1.900186	3.724364	3.347011	3.387478
METTL2B	ENSG00000165055	-0.08165	5.220142	-1.37739	0.185776	0.23731	-6.65824	5.291568	5.343146	5.356903	5.199754	5.114368	5.171943	5.414148	5.5324	5.33439	5.309864	5.193714	5.271048	5.240955	5.268024	5.212843	5.080106	5.217154	5.123395
FXN	ENSG00000165060	-0.40927	3.898905	-3.75783	0.001504	0.003254	-1.78864	5.135946	5.073976	5.137743	4.640378	4.529983	4.434292	4.56045	4.459641	4.633836	3.358771	3.175905	3.400153	3.236398	3.243672	3.186878	3.123735	3.529023	3.31642
ALDH1A1	ENSG00000165092	0.251214	2.939055	0.700819	0.492642	0.555294	-6.09013	9.078774	9.080128	9.011934	9.339867	9.330713	9.278413	9.303772	9.349745	9.355686	0.190076	0.398185	0.230035	0.171976	0.416769	0.186984	0.106501	0.106501	0.214669
KDM1B	ENSG00000165097	-0.05301	4.291259	-0.76447	0.454783	0.518862	-7.21037	3.593253	3.741788	3.783005	3.181227	3.410458	3.419122	3.774765	3.711575	3.586306	5.107097	5.092794	5.254774	5.248563	5.185942	5.171406	5.064871	5.235609	5.236778
HGSNAT	ENSG00000165102	1.28692	6.330949	17.6401	1.41E-12	1.48E-10	19.0781	6.469086	6.352432	6.427097	7.836005	7.810463	7.855884	7.333456	7.248608	7.277066	4.960093	5.157605	5.045767	6.130482	6.114225	6.119251	5.363548	5.365774	5.502565
RASEF	ENSG00000165105	-0.90215	3.239806	-10.1776	9.11E-09	1.10E-07	10.13209	2.080492	1.708084	1.78216	1.256461	0.92021	1.188496	0.983587	0.726566	0.515351	6.626504	6.632255	6.653155	5.724181	5.799899	5.786202	6.138057	6.196124	6.248207
GKAP1	ENSG00000165113	-0.39495	1.789557	-2.75876	0.013177	0.022573	-3.39158	3.443098	3.286138	3.489013	2.740812	2.85862	2.885561	2.884002	2.702788	2.697131	1.646779	1.435603	1.538714	1.446877	1.652223	1.695314	1.387593	1.289746	1.170016
KIF27	ENSG00000165115	0.113431	2.228194	0.83289	0.416143	0.481215	-6.5668	2.744313	2.596389	2.739267	2.393052	2.398361	2.22781	2.340763	2.147141	2.408535	2.543041	2.674414	2.396013	2.892375	3.04352	2.76998	2.539649	2.254246	2.252429
C9orf64	ENSG00000165118	-0.79191	5.089749	-15.7189	9.45E-12	6.12E-10	17.19598	5.525735	5.587707	5.429007	4.667726	4.70778	4.55606	5.043928	5.098392	5.097318	5.497899	5.448064	5.567446	4.74791	4.872735	4.829829	5.295562	5.222451	5.217405
HNRNPK	ENSG00000165119	0.152929	9.497884	1.90313	0.073627	0.105088	-6.2908	9.161822	9.211211	9.167569	9.691295	9.626012	9.633995	9.306707	9.326811	9.333772	9.664855	9.619817	9.618722	9.484089	9.533398	9.50734	9.675961	9.687342	9.74864
AL353743.:	ENSG00000165121	-0.28412	1.111231	-1.5041	0.15041	0.197392	-5.39425	2.649532	2.513665	2.621113	2.021307	2.549605	2.455733	2.752438	2.596487	2.723053	1.199504	1.228418	0.993481	1.088368	1.032323	0.862212	0.738851	1.206659	0.872651
SVEP1	ENSG00000165124	0.838373	3.204284	4.863859	0.000135	0.000386	0.831485	4.219602	4.360345	4.44736	5.299283	5.114368	5.445139	4.164604	4.389749	4.151567	2.056133	1.899254	2.021603	2.270712	2.363215	2.382676	2.300453	2.124453	2.59029
ANKS6	ENSG00000165138	0.065184	6.055718	1.02136	0.321014	0.384412	-7.22203	6.027737	6.110011	6.140783	5.845818	5.95482	5.942611	5.781194	6.004573	5.934468	6.114112	6.187935	6.089887	6.411158	6.374416	6.336612	6.04666	6.057777	6.045263
FBP1	ENSG00000165140	0.129288	1.836341	1.484273	0.155547	0.203253	-6.1975	0.41387	0.661886	0.756332	1.182548	0.730585	0.909432	0.670238	0.622068	0.925731	4.327889	4.374156	4.282459	4.34138	4.472117	4.381435	4.454386	4.473517	4.299055
PGAP4	ENSG00000165152	0.734968	-0.43565	3.212484	0.004969	0.009447	-2.18246	4.117062	4.12982	3.863273	4.797189	4.813207	4.761901	3.988671	3.724251	3.924645	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZHX1	ENSG00000165156	-0.05645	6.139779	-0.84333	0.410437	0.475389	-7.40446	5.549554	5.512479	5.47515	5.667647	5.473441	5.611097	5.970727	5.929932	5.953754	6.73484	6.72153	6.683193	6.549236	6.626238	6.539908	6.640993	6.635939	6.641266
DYNLT3	ENSG00000165169	0.620057	5.333118	9.851376	1.49E-08	1.65E-07	9.653467	5.217507	5.211553	5.197454	6.092789	5.965622	6.004722	5.919505	5.965067	5.923331	4.73162	4.699561	4.740231	5.079714	5.180814	5.110805	5.182472	5.279468	5.187851
METTL27	ENSG00000165171	-0.75109	1.577309	-3.27879	0.004301	0.008312	-2.28355	3.408783	3.382531	3.489013	2.577385	2.155834	2.258349	2.340763	2.650616	2.846105	1.315703	1.265082	1.46518	1.473091	1.428204	1.488568	1.387593	1.2488	1.222783
MID1IP1	ENSG00000165175	0.020899	5.838236	0.246265	0.808346	0.840876	-7.62712	6.365544	6.484546	6.604939	6.622897	6.766539	6.687786	6.526418	6.429119	6.502546	5.1779	5.19846	5.318796	5.100883	5.009177	4.989822	5.477239	5.19577	5.154286
SHOC1	ENSG00000165181	0.030675	0.709614	0.150126	0.882384	0.904028	-7.04004	1.18244	1.420874	0.898566	0.52061	0.25478	0.3528	0.106501	0.253663	0.515351	3.394446	3.463043	3.276636	3.629193	3.520297	3.707028	2.115663	2.254246	2.174206
KIAA1958	ENSG00000165185	-0.08141	3.555139	-1.19409	0.248398	0.306713	-6.64678	2.867343	3.07157	3.013906	3.142765	3.053471	3.27721	2.724622	2.871824	3.064594	4.561593	4.616873	4.405499	4.386902	4.279275	4.406863	4.245042	4.258317	4.197255
PTCHD1	ENSG00000165186	1.390906	-1.73193	4.908128	0.000123	0.000355	1.303912	1.286899	1.508929	1.358564	2.714828	2.71237	2.741673	2.058296	1.945386	1.918715	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PCDH19	ENSG00000165194	1.39794	0.674212	5.676131	2.46E-05	8.63E-05	2.604066	0.41387	0.661886	0.323815	0.742604	0.512209	0.746642	0.983587	0.387194	0.833554	2.763691	2.687979	2.422156	3.894617	3.793216	4.051393	1.571317	1.67689	1.703111
PIGA	ENSG00000165195	-0.16749	4.283608	-1.67249	0.112232	0.152487	-6.07505	4.186225	4.087546	4.188143	4.367681	4.13	4.170914	4.034706	4.019913	3.90213	4.573314	4.609763	4.557708	4.287006	4.321825	4.338034	4.847651	4.884398	4.969789
VEGFD	ENSG00000165197	-0.52567	-1.08579	-1.21928	0.238939	0.296129	-5.4249	1.959273	1.551021	2.079636	1.519216	1.498102	1.526279	1.70672	1.901414	1.620777	0.34397	0.259702	0.16959	0.106501	0.26996	0.263213	0.106501	0.2791	0.214669
STRBP	ENSG00000165209	0.073787	5.618008	1.344513	0.195973	0.248464	-6.80438	5.291568	5.355074	5.254791	5.097883	5.1432	5.234723	5.277239	5.174263	5.202407	6.089837	6.00495	5.973166	6.228951	6.258721	6.155956	5.94631	5.959694	6.039759
CLDN3	ENSG00000165215	1.524573	3.003851	9.458794	2.72E-08	2.67E-07	8.99312	0.814199	1.327092	1.406977	0.841981	0.512209	0.984419	0.886508	0.509405	0.735084	5.335326	5.723056	5.943013	7.288498	7.29852	7.248271	6.463577	6.344388	5.742817
GAPVD1	ENSG00000165219	0.167148	6.71798	2.226274	0.039414	0.060052	-5.52062	6.713584	6.734449	6.697862	6.679412	6.625516	6.762926	6.880069	6.821569	6.893457	6.696948	6.634008	6.54801	6.977775	6.921961	6.94258	6.557281	6.523497	6.567956
CARD19	ENSG00000165233	-0.41948	5.255683	-5.7352	2.18E-05	7.78E-05	2.111801	5.531062	5.435922	5.533555	4.863733	5.019069	4.849758	5.120637	4.976535	5.067277	5.565966	5.43203	5.564514	5.194447	5.243641	5.29458	5.60386	5.589281	5.420236
WNK2	ENSG00000165238	-0.72714	3.53566	-4.54299	0.00027	0.000711	0.009351	4.252223	4.495815	4.58523	3.921807	4.051057	3.9455	4.057185	3.956862	4.33084	3.113269	3.70241	3.501717	2.717023	2.770668	2.294605	3.552967	3.603991	3.267027
ATP7A	ENSG00000165240	0.821414	4.26775	6.798644	2.68E-06	1.28E-05	4.456944	3.983545	3.8803	3.755225	5.097883	4.911451	5.118843	4.599263	4.428995	4.505294	4.071084	4.274276	4.083875	4.549709	4.627193	4.635585	3.889124	3.896833	3.930053
ZNF367	ENSG00000165244	-2.35198	3.985408	-10.7561	3.93E-09	5.59E-08	11.22441	4.473109	4.517206	4.458888	3.255206	3.34578	3.432575	3.953155	4.109604	4.122646	5.255126	5.14044	5.320535	2.399306	2.433888	2.743612	4.914336	4.981317	4.96205
NLGN4Y	ENSG00000165246	1.219532	2.64088	8.241581	1.98E-07	1.39E-06	7.435376	4.165822	4.094678	4.242513	5.499001	5.274966	5.435149	4.393833	4.282412	4.436456	1.028404	1.435603	1.219002	1.916818	1.560439	1.826726	1.177011	1.645686	1.115245
HDX	ENSG00000165259	0.271261	2.232997	2.108207	0.04973	0.074053	-4.88846	2.416107	2.283367	2.37563	2.548252	1.953662	2.581827	1.816207	2.357042	2.005764	2.955028	2.646894	2.497858	2.995443	3.04352	3.032078	2.794876	2.500854	2.724423
NDUFB6	ENSG00000165264	-0.03189	4.843196	-0.4023	0.692342	0.740039	-7.4247	5.32262	5.221361	5.033667	5.333837	5.176125	5.175948	5.109925	5.447033	5.383978	4.619268	4.722812	4.687318	4.571104	4.557684	4.602954	4.349322	4.40994	4.4056
NOL6	ENSG00000165271	0.01231	7.177397	0.269491	0.790708	0.826027	-7.84151	6.797761	6.790427	6.853351	6.6693	6.840289	6.768241	6.734246	6.670928	6.587899	7.579929	7.558085	7.597111	7.722606	7.566216	7.632889	7.719636	7.645959	7.651621
AQP3	ENSG00000165272	-0.66973	3.295237	-7.50056	7.29E-07	4.18E-06	5.910362	3.397161	3.335139	3.359697	2.661411	2.737798	2.904994	2.832807	2.981485	2.643847	4.242376	4.029873	4.213027	3.611602	3.393046	3.629946	4.072963	4.128907	3.930053
TRMT10B	ENSG00000165275	0.034202	3.7714	0.502312	0.621717	0.676376	-7.16468	3.662849	3.382531	3.443319	3.325575	3.441741	3.472196	3.941119	4.030158	4.011347	4.03198	4.035189	3.848714	4.002038	4.13825	4.013272	4.340914	4.353122	4.359215
VCP	ENSG00000165280	0.03189	8.954222	1.234039	0.233525	0.290286	-7.20928	9.235461	9.282432	9.239512	9.240351	9.270734	9.261788	9.342893	9.324472	9.320302	8.593238	8.570989	8.604199	8.674961	8.619381	8.646866	8.71147	8.622676	8.669895
PIGO	ENSG00000165282	-0.16468	5.920373	-3.06456	0.006849	0.012611	-3.74478	6.241047	6.079778	6.149702	6.05186	6.108926	6.089965	6.344198	6.143184	6.291384	5.874627	5.832457	5.840118	5.72145	5.491566	5.58556	5.700678	5.761087	5.706224
STOML2	ENSG00000165283	-0.70998	7.414357	-6.71772	3.12E-06	1.45E-05	3.859298	7.626907	7.667999	7.643775	6.398473	6.584058	6.401779	6.88636	6.865145	6.881997	8.051139	7.985666	8.06207	7.707505	7.711534	7.649405	7.875114	7.822017	7.807117
BRWD3	ENSG00000165288	0.209925	5.502133	1.602616	0.126937	0.170193	-6.41476	5.618738	5.745568	5.703085	5.380038	5.185395	5.538302	5.431459	5.506949	5.359397	5.411303	5.595705	5.351474	6.082337	6.046769	5.997611	5.246891	5.190374	5.243178
SLITRK5	ENSG00000165300	0.789454	2.35671	5.17768	6.94E-05	0.000214	1.654508	3.17016	2.870177	3.090013	3.77864	4.091068	4.018682	3.988671	4.119235	3.856018	1.423238	1.588084	1.696985	1.689764	1.681564	1.876113	1.85727	1.878239	1.877799
MELK	ENSG00000165304	-1.74838	4.396056	-6.62028	3.77E-06	1.71E-05	4.152545	4.605251	4.691972	4.492928	4.40878	3.978251	4.162865	4.583863	4.651042	4.505294	5.33303	5.231258	5.375087	3.108457	2.925848	2.703134	5.302073	5.222451	5.362617
ARMC3	ENSG00000165309	0.141878	-0.60317	0.314038	0.75721	0.798056	-6.52729	1.12723	0.8079	0.756332	0.106501	0.389229	0.106501	0.106501	0.106501	0.39151	1.490718	1.467416	1.387696	1.973006	2.084417	2.257813	1.250674	1.613793	1.775544
OTUD1	ENSG00000165312	-0.60932	1.759847	-4.75201	0.000172	0.000477	0.831229	3.373632	3.472886	3.28395	2.887595	2.835252	3.03415	2.752438	3.063581	3.162566	1.555182	1.699433	1.653508	1.186687	1.282615	1.002253	1.320757	1.2488	1.416439
ARHGAP12	ENSG00000165322	0.867777	5.931368	7.511679	7.15E-07	4.11E-06	5.547993	5.660656	5.734195	5.767078	7.058302	6.909054	7.071012	6.025902	6.060626	5.926124	5.571821	5.425972	5.634668	5.961398	5.921708	6.064381	5.452087	5.394214	5.588012
HECTD2	ENSG00000165338	0.467755	3.530479	2.675777	0.015696	0.026385	-3.90897	4.522086	4.490417	4.400306	5.350809	5.162106	5.234723	4.845133	4.825892	4.929347	2.722179	2.829342	2.592986	2.314863	2.250257	2.559363	2.597261	2.447571	2.549558
FBXO33	ENSG00000165355	0.511421	3.907265	5.49868	3.55E-05	0.000119	1.849991	3.249862	3.182839	3.176339	4.009923	4.091068	3.97338	3.879385	3.999201	3.681923	4.261822	4.228596	4.190389	4.607058	4.467913	4.500385	4.262954	4.184245	4.197255
INTS6L	ENSG00000165359	0.04176	2.877963	0.322038	0.751244	0.792574	-7.05196	2.526909	2.448351	2.399755	3.041869	2.762786	3.119801	2.832807	2.676938	2.869505	3.552807	3.612795	3.203153	3.197622	3.320292	3.234995	3.743628	3.337278	3.477085
SPTSSA	ENSG00000165389	0.341171	6.582713	2.335205	0.031684	0.049395	-5.28697	6.372979	6.279197	6.35026	7.281613	7.224465	7.306593	6.983449	7.019677	7.041151	6.431012	6.387151	6.393892	6.117038	6.212983	6.179507	6.310517	6.490947	6.396253
WRN	ENSG00000165392	-0.42324	4.731398	-6.38218	5.98E-06	2.53E-05	3.530876	5.190829	5.234335	5.211151	4.727426	4.739596	4.72957	4.512454	4.61746	4.497806	4.911672	4.976009	4.902234	4.524863	4.645922	4.588211	4.681127	4.729324	4.749225
MARCHF8	ENSG00000165406	-0.00529	3.638679	-0.05774	0.954607	0.962514	-7.1237	4.901049	5.055819	5.018167	5.015132	4.911451	4.889321	4.56045	4.389749	4.355908	2.868884	2.646894	2.806521	2.842976	2.824271	2.95373	2.611312	2.711397	2.778299
CFL2	ENSG00000165410	-0.00524	6.034762	-0.07904	0.937896	0.949093	-7.75855	5.667929	5.71581	5.656289	5.860706	5.620805	5.596232	5.83422	5.798247	5.842866	6.533567	6.44222	6.478858	6.48467	6.438123	6.464215	6.196311	6.137047	6.275002
SUGT1	ENSG00000165416	-0.0602	5.86787	-1.60902	0.125524	0.16859	-6.45275	5.761547	5.79457	5.717553	5.70112	5.657909	5.705548	5.781194	5.876989	5.770134	6.157584	6.00495	6.025264	6.015908	5.993658	6.011491	6.072282	6.01263	6.019396
GTF2A1	ENSG00000165417	-0.39365	5.59913	-5.32377	5.11E-05	0.000165	1.210436	5.636146	5.404699	5.511583	5.250376	5.084948	5.408166	5.879071	6.007169	5.953754	5.89345	5.9083	5.726697	5.2599	5.404061	5.422676	5.857736	5.87478	5.859884
ZCCHC24	ENSG00000165424	0.961265	3.322945	4.91392	0.000121	0.000351	0.825543	2.245129	2.332462	2.641489	4.122913	4.120365	4.10523	3.853933	3.89093	3.844255	3.013555	3.136872	3.225594	3.360948	3.495729	3.421201	3.877544	4.005291	3.945834
PGM2L1	ENSG00000165434	0.064432	6.567308	0.875833	0.392999	0.457909	-7.41855	7.53908	7.584333	7.591058	7.544827	7.29789	7.517756	6.344198	6.241253	6.245172	6.494033	6.499118	6.347752	6.683689	6.649626	6.754835	4.969919	5.077988	5.167806
SLC16A9	ENSG00000165449	0.64172	3.602286	3.414085	0.0032	0.006372	-2.79123	3.562366	3.417081	3.638424	2.605941	2.57804	2.697781	1.966276	2.389238	1.564539	4.581075	4.748933	4.48516	5.506677	5.646534	5.591116	4.267397	4.318914	4.335451
INPPL1	ENSG00000165458	0.759627	6.945053	13.71331	8.66E-11	2.96E-09	14.77817	6.527556	6.498057	6.518068	7.395385	7.547464	7.397718	6.983449	6.91299	6.972573	6.698733	6.754138	6.63371	7.297695	7.275854	7.300081	6.770288	6.868259	6.881744
GJB2	ENSG00000165474	0.077738	0.691456	0.261846	0.796501	0.830799	-6.55136	0.882475	0.875715	1.54317	0.742604	1.087782	1.055701	0.886508	1.301009	0.629397	1.555182	1.467416	1.46518	1.667235	1.710321	1.51998	3.011667	2.726388	2.59029
CRYL1	ENSG00000165475	0.199767	3.919405	2.035639	0.057237	0.084052	-5.33413	4.081197	4.12982	4.255791	3.921807	4.177232	3.982555	4.215456	4.365678	4.497806	3.488234	3.626949	3.652879	4.011012	3.981932	4.083285	3.877544	4.065478	3.881648
REEP3	ENSG00000165476	0.145379	6.205235	3.079808	0.006627	0.012256	-3.73292	6.806574	6.685688	6.748056	7.019026	6.932643	6.956945	6.711398	6.747438	6.741637	5.72153	5.58849	5.579111	5.577856	5.760913	5.721809	5.62479	5.534971	5.63013
SKA3	ENSG00000165480	-2.16063	3.391873	-8.58451	1.11E-07	8.60E-07	7.936433	3.86199	3.804029	3.83701	2.999448	2.926537	3.069023	3.953155	4.109604	4.151567	4.553726	4.314187	4.503642	1.878105	1.871771	1.749324	4.302461	4.156841	4.170642
MICU2	ENSG00000165487	0.041606	5.541391	0.936863	0.361595	0.426411	-7.23518	5.263039	5.281977	5.241504	5.342348	5.4273	5.391041	5.208612	5.323347	5.375831	5.764766	5.889343	5.810733	5.732343	5.868482	5.833849	5.92115	5.784554	5.864042
DDIAS	ENSG00000165490	-1.72689	4.00057	-9.80624	1.59E-08	1.74E-07	9.782409	3.819083	3.657602	3.648527	3.162124	3.012388	3.335661	4.348988	4.212157	4.279358	5.21079	5.064472	5.043664	2.995443	3.152313	2.99902	5.400428	5.324498	5.290293
PCF11	ENSG00000165494	-0.15046	5.931012	-2.75511	0.013279	0.022732	-4.41305	5.801771	5.81846	5.81496	5.904469	5.893919	5.842864	5.69064	5.854103	5.800886	6.296058	6.2759	6.20353	5.957922	5.940035	5.953715	6.031066	6.060737	6.056209
PKNOX2	ENSG00000165495	-1.16559	-1.33674	-3.65348	0.001892	0.004007	-1.45441	0.106501	0.106501	0.106501	0.106501	0.106501	0.3528	0.106501	0.106501	0.106501	2.494552	2.267764	2.396013	1.018891	1.393161	1.209118	2.192442	1.878239	1.973284
LRR1	ENSG00000165501	-1.3002	3.934375	-11.693	1.08E-09	2.01E-08	12.51164	4.232739	4.12286	4.087767	3.619685	3.362223	3.216292	4.348988	4.273815	4.372382	4.604112	4.487097	4.771071	3.251622	3.109775	3.096004	4.647431	4.580516	4.488745
RPL36AL	ENSG00000165502	-0.08295	7.228208	-2.74917	0.013447	0.022989	-4.5548	7.226645	7.193119	7.163592	7.111553	7.168297	7.089176	7.297325	7.19725	7.279252	7.33458	7.294945	7.266945	7.192173	7.213189	7.215669	7.317402	7.321902	7.403525
DNAAF2	ENSG00000165506	-0.00484	4.82243	-0.08233	0.935322	0.94689	-7.59693	4.226185	4.389636	4.208773	4.072648	3.956756	4.113606	4.274204	4.221128	4.279358	5.556156	5.531317	5.586355	5.588386	5.677811	5.656176	5.533662	5.597458	5.374327
DEPP1	ENSG00000165507	-1.67638	1.492748	-3.58911	0.00218	0.004541	-1.69962	3.999005	3.7953	3.871922	1.256461	1.373859	1.526279	1.317361	1.001115	1.244857	1.840286	2.053933	2.07201	1.667235	1.495836	1.639204	1.992244	2.190809	2.003758
ZNF22	ENSG00000165512	-0.15528	2.715416	-2.03154	0.05769	0.0846	-5.38596	1.959273	1.780637	1.667608	1.978268	2.193078	1.919272	1.240874	1.430416	1.50602	4.472601	4.45968	4.530928	4.290695	4.210485	4.338034	4.208537	4.178806	4.129778
KLHDC2	ENSG00000165516	0.436058	4.646319	2.958381	0.008609	0.015427	-3.82126	4.073915	4.256058	4.174224	4.092964	3.784444	3.926609	4.31208	4.349405	4.542164	5.101711	5.040879	5.047868	5.707717	5.774593	5.808633	4.796302	5.018332	4.969789
NEMF	ENSG00000165525	-0.04417	5.883692	-1.01909	0.32206	0.385373	-7.19728	5.770583	5.745568	5.783216	5.797117	5.839171	5.875244	5.764215	5.871301	5.770134	6.028718	6.130724	6.152715	5.955599	6.026902	5.946508	5.940756	5.969178	5.991156
RPUSD4	ENSG00000165526	-0.31806	5.335418	-7.93552	3.37E-07	2.17E-06	6.392955	5.230664	5.130591	5.251481	4.910272	4.894593	4.969954	5.396627	5.38452	5.269907	5.725037	5.643484	5.673276	5.380791	5.313248	5.343684	5.783672	5.726088	5.678157
ARF6	ENSG00000165527	0.000556	7.087482	0.012572	0.990111	0.991504	-7.8723	6.380377	6.356888	6.493057	6.390287	6.391222	6.394924	6.460489	6.520981	6.48939	7.589098	7.656671	7.711171	7.647626	7.660871	7.699566	8.037734	7.956435	7.955777
TTC8	ENSG00000165533	-0.01867	4.834929	-0.29404	0.772188	0.810903	-7.4851	5.370952	5.349122	5.277754	5.087795	5.075006	5.155812	4.99237	5.013152	4.940438	4.61171	4.706242	4.681918	4.843945	4.824228	4.823548	4.340914	4.419196	4.461559
TMEM63C	ENSG00000165548	-0.62075	0.062119	-3.2211	0.004877	0.009302	-2.85645	0.106501	0.215206	0.106501	0.635873	0.25478	0.3528	0.106501	0.106501	0.106501	4.03198	4.157244	3.946523	3.296351	3.292034	3.272365	3.374993	3.287607	3.328509
AKR1E2	ENSG00000165568	-0.59684	0.502529	-3.81636	0.001323	0.002895	-1.18482	0.882475	0.661886	0.829201	0.841981	0.730585	0.563119	0.670238	0.915275	0.629397	2.558849	2.437987	2.136592	1.667235	2.06228	1.775589	2.095813	1.795362	2.033602
KBTBD6	ENSG00000165572	0.729938	5.540813	4.014653	0.000856	0.001974	-1.55627	5.650902	5.738755	5.610509	6.97318	6.777308	6.99711	6.843356	6.799278	6.76522	4.703453	4.692848	4.72456	4.63635	4.689902	4.591911	4.723786	4.683969	4.832225
SSX5	ENSG00000165583	-0.99802	-0.33768	-8.25581	1.94E-07	1.36E-06	7.349159	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.082065	4.082178	4.324649	3.318207	2.888589	3.244428	3.859998	3.842828	3.707454
FAAH2	ENSG00000165591	0.476499	1.691837	4.525113	0.000281	0.000735	0.06174	1.384302	1.420874	1.453818	1.688986	1.373859	1.575618	0.983587	1.15884	0.833554	2.856146	3.166245	2.855308	3.436163	3.243672	3.608189	2.706012	2.881762	2.742606
NUDT5	ENSG00000165609	-0.03482	6.358461	-0.83305	0.416053	0.48115	-7.40461	6.689964	6.758225	6.71599	6.72406	6.755688	6.850722	6.688182	6.722383	6.686711	6.038616	6.034453	6.131084	5.954437	5.932427	5.953715	6.08995	6.018732	6.043431
BEND7	ENSG00000165626	0.752216	-0.74793	3.375286	0.003484	0.006868	-1.83762	3.128595	3.298545	3.597291	4.112999	4.158524	4.053927	3.490873	3.619579	3.421943	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ATP5F1C	ENSG00000165629	-0.02551	7.072803	-0.35409	0.727504	0.771832	-7.77646	7.490686	7.544519	7.42173	7.379966	7.273104	7.240251	7.590075	7.583788	7.450976	6.725241	6.704946	6.739507	6.761524	6.929624	6.884182	6.632407	6.552177	6.611893
PRPF18	ENSG00000165630	0.229489	2.512375	2.436888	0.025766	0.041137	-4.24573	2.707144	2.950996	2.848472	3.103249	3.073582	2.805104	2.957542	3.002451	3.00245	2.392392	2.303453	2.592986	2.626498	2.756951	2.618601	2.568742	2.799093	2.507643
TAF3	ENSG00000165632	-0.165	4.172786	-1.95411	0.066881	0.096454	-5.52498	4.315334	4.360345	4.424025	4.152252	4.400635	4.279122	4.902122	4.61746	4.764393	4.232554	4.002991	4.104202	3.845296	4.039723	3.799527	4.240529	4.035699	4.073428
VDAC2	ENSG00000165637	-0.49564	7.595978	-11.2357	2.01E-09	3.23E-08	11.51033	8.792529	8.864449	8.748964	8.32035	8.32633	8.277655	8.476683	8.489798	8.487279	6.886603	6.803266	6.930903	6.417077	6.377781	6.358497	6.774196	6.796379	6.769838
COMTD1	ENSG00000165644	1.318181	3.375642	7.765421	4.54E-07	2.79E-06	6.47678	3.100204	3.196163	3.511328	4.619522	4.97698	4.454215	3.647218	3.535768	3.844255	2.356666	2.531245	2.826234	3.60569	3.552417	3.578659	3.711377	3.404065	3.050576
PDZD8	ENSG00000165650	0.142386	5.76028	2.192138	0.042173	0.063827	-5.36626	6.632887	6.635221	6.644597	6.876873	6.873648	6.946433	6.928119	7.100902	6.896307	4.667452	4.81224	4.808717	4.726277	4.682664	4.735974	4.758922	4.744131	4.844905
ZNF503	ENSG00000165655	0.698974	2.930654	3.116972	0.006115	0.011393	-2.85081	3.756787	3.777682	3.979882	4.821743	5.07001	4.662649	4.154215	4.413424	4.270596	1.865926	1.945166	2.183199	1.916818	1.681564	1.851631	2.400938	2.254246	2.326628
ABRAXAS2	ENSG00000165660	-0.28541	5.156118	-3.92798	0.001035	0.00233	-1.73619	5.715497	5.630049	5.625931	5.268353	5.239802	5.380668	5.701383	5.740142	5.822029	4.977839	4.959326	4.92298	4.71259	4.743056	4.788509	4.922811	4.592839	4.840691
QSOX2	ENSG00000165661	-0.5929	6.287836	-11.3209	1.79E-09	2.93E-08	11.72393	6.782207	6.770524	6.833562	6.025677	6.145011	6.055601	6.898859	6.973969	6.838194	6.144548	6.126994	6.144887	5.78822	5.618361	5.620394	6.302962	6.202839	6.265602
FAM204A	ENSG00000165669	-0.07973	5.033882	-1.12495	0.27582	0.336287	-6.90534	5.391599	5.474709	5.37527	5.392386	5.084948	5.230878	5.555064	5.404348	5.552477	4.766072	4.854958	4.838143	4.890883	4.760348	4.832959	4.667743	4.710599	4.656368
NSD1	ENSG00000165671	-0.32536	7.346395	-7.2192	1.22E-06	6.49E-06	4.865109	7.807872	7.786701	7.843324	7.496077	7.528466	7.625643	7.823524	7.795295	7.795956	7.153186	7.171219	6.973514	6.68439	6.70515	6.753184	7.230748	7.101024	7.131584
PRDX3	ENSG00000165672	-0.05437	7.851658	-1.14112	0.269214	0.329248	-7.21822	8.746615	8.782075	8.705471	8.828443	8.771274	8.730199	8.838457	8.927473	8.868462	7.011757	7.009784	7.053046	6.842932	6.902624	6.864433	6.851698	6.90825	6.829536
ENOX2	ENSG00000165675	-0.40947	4.263889	-6.00844	1.25E-05	4.83E-05	2.880341	4.252223	4.383825	4.301326	3.944346	3.670226	4.062605	4.376062	4.365678	4.497806	4.373294	4.532919	4.563592	4.028794	4.210485	4.165038	4.805497	4.725598	4.882289
GHITM	ENSG00000165678	-0.12665	7.840342	-3.53365	0.002462	0.005057	-2.90903	8.788087	8.802365	8.718717	8.62243	8.615814	8.656158	8.846949	8.881529	8.853138	6.955397	6.977008	7.042551	6.886249	6.840569	6.911827	7.007899	6.955138	6.906148
SNAPC4	ENSG00000165684	-0.22259	5.723558	-3.23603	0.004721	0.009032	-3.41657	5.313374	5.214829	5.251481	4.720913	4.782991	4.735009	4.825625	4.670823	4.807433	6.549478	6.641	6.683869	6.559212	6.504276	6.577716	6.628094	6.661514	6.489376
PMPCA	ENSG00000165688	-0.01218	7.165547	-0.23283	0.818599	0.849618	-7.83564	7.201808	7.284837	7.240746	6.969064	7.133995	7.031774	7.183162	7.147529	7.168059	7.058374	7.099436	7.135352	7.253953	7.249767	7.237092	7.288727	7.228247	7.254681
ENTR1	ENSG00000165689	0.251374	6.529735	5.348699	4.85E-05	0.000157	1.125888	6.106569	6.245949	6.267462	6.578559	6.584058	6.510435	6.456267	6.469207	6.500674	6.626504	6.504877	6.679811	6.769478	6.73432	6.813846	6.706271	6.674133	6.598228
AK8	ENSG00000165695	1.255753	0.602287	4.365114	0.000397	0.001	-0.01787	1.959273	1.465573	1.54317	1.933905	2.117603	2.164723	0.269385	0.726566	0.256032	1.388276	0.986408	1.387696	2.479079	2.398985	2.257813	1.058946	1.329561	1.115245
SPACA9	ENSG00000165698	0.140625	3.713931	0.907787	0.376337	0.440985	-6.85666	4.381709	4.406929	4.569365	4.122913	4.009905	4.045196	3.705302	3.578282	3.946814	3.737768	3.204502	3.543997	4.076593	4.148793	4.013272	3.113899	3.347011	2.975687
TSC1	ENSG00000165699	0.164446	5.519492	2.425692	0.026362	0.041986	-4.97803	5.517707	5.430295	5.332045	5.664257	5.651233	5.894815	5.863212	5.882654	5.722741	5.445717	5.421918	5.424422	5.482686	5.415021	5.475705	5.386197	5.424405	5.499895
HPRT1	ENSG00000165704	0.547603	5.764857	8.339961	1.68E-07	1.21E-06	7.065903	4.896929	4.965333	4.870617	5.691159	5.773069	5.757249	5.958837	5.986272	5.991568	5.610256	5.691415	5.63047	5.999094	5.949112	6.012871	6.54818	6.487651	6.466311
BORCS5	ENSG00000165714	0.330059	2.971754	2.783408	0.012506	0.021557	-3.70051	2.798329	3.142112	2.99819	3.70135	3.560502	3.678224	3.277716	3.285084	3.199964	3.047564	3.013005	3.085394	3.108457	3.152313	2.883013	2.855159	3.081525	2.896697
DIPK1B	ENSG00000165716	0.451595	3.322536	3.577337	0.002237	0.00464	-2.09829	3.919992	3.704977	3.717332	4.072648	4.071202	3.982555	3.219115	3.550079	3.721038	2.620402	2.924094	2.966075	3.46257	3.445301	3.290693	3.366734	3.277464	3.162857
ZMYND19	ENSG00000165724	-0.80071	5.735594	-10.2072	8.72E-09	1.06E-07	10.12827	6.027737	6.059873	6.087938	5.400559	5.589722	5.37022	5.646849	5.730749	5.735532	6.154986	6.056844	6.144887	5.298892	5.152279	5.181264	6.09995	6.079832	5.936917
STOX1	ENSG00000165730	0.80733	2.696228	6.942326	2.04E-06	1.01E-05	5.073297	3.325391	3.382531	3.334887	4.092964	3.878897	3.964146	3.33403	3.564249	3.498982	1.98771	2.095243	1.858866	2.529911	3.065945	2.730245	2.26534	2.124453	1.942153
DDX21	ENSG00000165732	-0.49386	8.997051	-9.7089	1.85E-08	1.95E-07	9.104783	9.688111	9.694598	9.691445	9.04856	9.011409	9.027284	9.511853	9.566087	9.543333	8.736948	8.709203	8.743544	8.397618	8.415376	8.408844	8.604244	8.566771	8.637162
BMS1	ENSG00000165733	-0.50072	7.032723	-13.7097	8.70E-11	2.96E-09	14.7723	7.357594	7.420158	7.429807	6.854734	6.784952	6.922796	7.131137	7.108174	7.095496	7.15968	7.149934	7.151557	6.678066	6.697091	6.735731	7.036817	7.015884	7.06631
STK32C	ENSG00000165752	-0.70224	4.225522	-5.66582	2.51E-05	8.79E-05	2.2664	5.440544	5.507143	5.522611	4.502891	4.462952	4.506036	5.228555	5.112925	5.169792	3.730807	3.478738	3.834184	3.53901	3.622174	3.290693	3.617041	3.603991	3.509302
JCAD	ENSG00000165757	-0.98058	3.269256	-6.52949	4.49E-06	1.99E-05	4.058939	3.249862	3.260998	3.586821	2.955742	3.012388	3.306732	2.446718	2.420731	2.846105	4.327889	4.374156	4.382382	3.24403	3.131201	3.272365	4.01601	3.961615	3.930053
FUNDC2	ENSG00000165775	0.600899	5.880259	5.399112	4.36E-05	0.000143	1.336999	5.638616	5.661609	5.581801	6.633339	6.615263	6.629111	6.328113	6.265306	6.344535	5.56205	5.465891	5.674636	5.769833	5.784769	5.758486	5.503845	5.564469	5.534225
PIP4P1	ENSG00000165782	0.147935	5.102173	1.770057	0.094159	0.130777	-6.09153	4.339825	4.389636	4.345467	4.759555	4.883243	4.696497	5.066264	4.987092	5.202407	5.554185	5.514285	5.515269	5.471352	5.57015	5.519102	5.629975	5.589281	5.617869
METTL17	ENSG00000165792	-0.45371	5.748698	-5.24265	6.05E-05	0.00019	0.989171	5.864307	5.779158	5.75544	5.036268	4.86605	4.98829	5.672555	5.578506	5.643517	6.21732	6.18435	6.243482	6.005843	6.013985	6.000398	6.073551	6.042884	6.026834
NDRG2	ENSG00000165795	0.555561	-1.37854	1.958668	0.066305	0.095712	-4.4415	2.051128	2.125186	2.109199	2.766336	2.787348	2.697781	2.186178	2.568641	2.376228	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ARHGEF40	ENSG00000165801	2.202234	0.560144	6.808085	2.63E-06	1.26E-05	4.89659	2.965042	3.085957	3.334887	5.156973	5.407631	5.215396	3.457463	3.521314	3.69508	0.106501	0.259702	0.288049	0.352262	0.26996	0.593579	0.326864	0.19538	0.214669
NSMF	ENSG00000165802	0.71959	6.216885	12.92061	2.24E-10	5.86E-09	13.87364	6.32931	6.293215	6.493057	6.964937	7.1718	6.921604	6.751579	6.71922	6.793019	5.286319	5.281337	5.493859	6.155989	6.116912	6.126922	5.833967	5.856159	5.703906
ZNF219	ENSG00000165804	1.782259	2.179198	6.185271	8.81E-06	3.56E-05	3.755349	3.541402	3.846899	3.947516	5.587578	5.891089	5.59324	4.702691	4.62424	4.694053	0.88529	0.941811	0.726056	0.869014	0.986036	0.910419	0.930351	1.16325	0.734116
CASP7	ENSG00000165806	1.142913	6.620883	6.338605	6.51E-06	2.74E-05	3.296675	7.216761	7.135498	7.15653	8.895402	8.725138	8.80903	8.375224	8.375415	8.39203	5.021274	4.936777	5.020321	5.267409	5.178243	5.257788	5.367692	5.240838	5.243178
BTNL9	ENSG00000165810	-0.25624	-1.57855	-0.94059	0.359736	0.42443	-5.73704	2.438959	2.308123	2.37563	2.021307	2.398361	2.288255	1.317361	1.809233	1.962896	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CCDC186	ENSG00000165813	0.94655	4.194215	9.831655	1.53E-08	1.69E-07	9.741297	3.603403	3.417081	3.443319	4.584077	4.789085	4.633822	4.164604	3.978187	4.322386	4.187508	4.278766	4.197974	4.973543	4.956139	4.909079	4.142342	4.128907	4.292899
METTL3	ENSG00000165819	-0.064	6.084051	-0.97579	0.342482	0.406565	-7.30212	5.397444	5.355074	5.469462	5.622938	5.593209	5.532066	4.932837	5.083711	4.940438	7.081129	7.000301	7.047808	6.933623	6.779969	6.85907	6.783533	6.765868	6.790741
SALL2	ENSG00000165821	1.869881	-0.32385	5.240539	6.08E-05	0.000191	1.910653	0.106501	0.582935	0.106501	1.104644	1.006428	1.055701	0.415731	0.622068	0.256032	1.073118	1.498542	1.360915	2.178139	2.23054	2.161508	1.681967	1.289746	1.370407
TRUB1	ENSG00000165832	-0.41846	5.518433	-7.63162	5.76E-07	3.43E-06	5.854205	6.372979	6.426375	6.422689	6.059623	5.93572	5.986596	6.01446	6.154936	6.123935	5.319175	5.191334	5.285361	4.902986	4.859959	4.804542	4.647431	4.740443	4.726565
ZFYVE1	ENSG00000165861	0.913266	3.905156	9.231323	3.89E-08	3.61E-07	8.794645	3.710582	3.526613	3.607684	4.281793	3.832443	4.088331	3.440463	3.446787	3.421943	4.009149	4.051023	4.029643	5.086097	5.131167	5.087406	3.717885	3.842828	3.823043
HSPA12A	ENSG00000165868	0.01919	-0.26633	0.106411	0.916468	0.931788	-6.28973	4.620325	4.691972	4.66702	4.784753	4.537243	4.713128	4.225415	4.373746	4.380548	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501

UBTD1	ENSG00000165886	1.042559	3.543456	8.715888	8.95E-08	7.20E-07	8.078828	3.509372	3.704977	3.576275	4.218476	4.343809	4.170914	4.068294	3.856799	3.890739	2.749986	2.817048	3.085394	4.046359	4.195307	4.139984	3.43152	3.160915	3.176297
E2F7	ENSG00000165891	-2.45709	4.551515	-8.78313	8.01E-08	6.58E-07	8.126846	5.636146	5.469231	5.695796	4.367681	4.110665	4.194794	5.026946	4.877874	4.758139	5.497899	5.421918	5.45798	2.28558	2.48471	2.513282	5.344748	5.190374	5.246367
ARHGAP42	ENSG00000165895	0.836223	3.082591	6.314436	6.83E-06	2.85E-05	3.61704	1.894617	2.152784	1.921989	2.81607	2.904251	3.152687	2.480375	2.511284	2.959482	3.997596	3.992097	3.804677	4.742532	4.450973	4.602954	3.39137	3.659719	3.650813
ISCA2	ENSG00000165898	0.532662	4.456916	6.125021	9.93E-06	3.94E-05	2.990552	3.662849	3.494617	3.359697	4.171485	4.360275	4.440963	3.474265	3.592179	3.681923	4.963066	5.135498	5.060406	5.455005	5.564254	5.345877	5.406484	5.282007	5.161062
OTOGL	ENSG00000165899	-0.29503	-0.1732	-1.00496	0.328628	0.391935	-5.69762	2.245129	2.232543	2.326135	1.840866	2.117603	2.098749	2.832807	2.753138	2.560038	0.269074	0.259702	0.449284	0.294634	0.190544	0.404558	0.393424	0.19538	0.580851
LARGE2	ENSG00000165905	0.84995	2.173412	6.015175	1.24E-05	4.78E-05	3.080699	1.561356	1.708084	1.146821	0.934951	1.307481	1.123626	1.240874	1.658879	1.314712	3.275122	3.463043	3.353367	4.323482	4.381153	4.324754	4.057652	3.980496	3.937965
PACSIN3	ENSG00000165912	-0.52182	5.210885	-4.08992	0.000725	0.001702	-1.42221	5.862195	5.942235	5.957896	4.938614	5.044764	4.923071	5.104539	5.063901	5.102264	5.213289	5.160041	5.229089	5.081845	5.112436	4.958638	5.325701	5.279468	5.227124
TTC7B	ENSG00000165914	0.062874	2.217983	0.268996	0.791082	0.826236	-6.57637	4.315334	4.429669	4.526184	4.464421	4.1957	4.386706	4.889651	4.583078	4.726452	0.483018	0.695454	0.958181	0.982856	1.282615	1.046067	1.599785	1.329561	1.322858
SLC39A13	ENSG00000165915	0.593147	4.543093	8.988191	5.74E-08	4.99E-07	8.358507	4.811948	4.724521	4.844488	5.1079	5.3593	5.171943	4.883375	4.651042	4.687485	4.071084	4.002991	4.059098	4.687622	4.804359	4.775553	4.137495	4.123255	4.051715
PSMC3	ENSG00000165916	-0.37444	6.758591	-5.95339	1.40E-05	5.33E-05	2.386348	7.093455	7.003411	6.990725	6.730558	6.916032	6.906017	6.804024	6.906053	6.945304	6.972464	6.754138	6.938848	6.350588	6.36201	6.322206	6.605459	6.689514	6.614364
TC2N	ENSG00000165929	0.348001	3.439739	4.140542	0.000649	0.001542	-1.04648	2.218961	2.674627	2.514675	3.20008	3.073582	3.119801	3.027514	2.728183	3.044176	4.14101	4.296585	4.100159	4.352013	4.398927	4.419411	4.353508	4.534411	4.472495
CPSF2	ENSG00000165934	-0.21815	7.073105	-6.74415	2.97E-06	1.39E-05	3.941175	6.967485	6.920546	6.837983	6.684442	6.714657	6.741468	6.843356	6.805256	6.863179	7.516585	7.50015	7.432035	7.210792	7.252825	7.27958	7.301783	7.31262	7.333273
MOAP1	ENSG00000165943	0.425858	5.343698	3.028109	0.007409	0.013519	-3.72332	5.362012	5.433112	5.169662	5.845818	5.719831	5.921298	5.93476	6.068104	6.007476	5.026968	5.097884	5.060406	5.343978	5.277664	5.483693	4.654234	4.79123	4.675424
IFI27L1	ENSG00000165948	-0.31189	3.137694	-3.38278	0.003427	0.006769	-2.48877	3.223781	3.286138	3.431666	3.325575	3.033076	3.321269	3.219115	3.477062	3.681923	3.420635	3.414909	3.451828	3.013417	3.009215	3.032078	3.470581	3.225651	3.352387
IFI27	ENSG00000165949	-0.35989	3.891347	-5.99651	1.28E-05	4.94E-05	2.537465	0.667115	0.8079	0.898566	0.934951	1.006428	0.909432	0.983587	0.726566	0.735084	8.115682	8.035927	8.042717	7.629167	7.725248	7.702135	8.742522	8.698995	8.740583
CLMN	ENSG00000165959	0.879234	4.396712	4.850474	0.000139	0.000395	0.284833	4.036946	4.065935	3.906009	3.487804	3.616407	3.405543	3.115825	3.351955	3.437684	4.803043	4.77459	4.681918	6.081272	5.950619	6.044267	5.280253	5.284541	5.344873
PTER	ENSG00000165983	-0.08832	4.590956	-1.58468	0.130964	0.174918	-6.21912	4.917414	4.843609	4.870617	4.784753	4.825118	4.879531	5.043928	5.023446	4.99996	4.549776	4.439772	4.431472	4.369563	4.394504	4.27038	4.276243	4.442079	4.38838
CACNB2	ENSG00000165995	2.360834	-0.81762	5.331344	5.03E-05	0.000162	2.137126	2.021155	2.125186	1.987129	4.54774	4.284653	4.447604	3.072345	3.3682	3.406029	0.106501	0.185134	0.106501	0.106501	0.190544	0.106501	0.106501	0.106501	0.106501
HACD1	ENSG00000165996	0.451804	3.948764	3.827206	0.001292	0.002833	-1.61155	4.48962	4.589672	4.363979	5.222985	5.059965	5.139498	5.178171	5.188055	5.141238	2.881509	3.086546	3.305013	3.031169	3.203781	3.186878	3.290193	3.562824	3.202807
ARL5B	ENSG00000165997	0.462275	5.367701	7.386416	8.97E-07	4.99E-06	5.404273	5.337898	5.08834	5.155563	5.772136	5.700562	5.778475	5.747035	5.9217	5.860491	4.933056	5.035583	5.005268	5.32071	5.412836	5.303633	5.338427	5.331868	5.233567
SMCO4	ENSG00000166002	-0.15875	3.331696	-2.09374	0.051151	0.075969	-5.22083	2.744313	3.027527	2.94999	3.041869	3.170134	2.865864	3.115825	2.825515	2.846105	4.156676	4.14254	4.213027	3.899458	3.976023	3.910354	3.889124	4.071361	3.848451
CEP295	ENSG00000166004	-0.70463	4.496542	-9.08366	4.92E-08	4.37E-07	8.493688	4.399293	4.517206	4.424025	3.898911	3.844198	4.279122	4.445869	4.307901	4.270596	5.235589	5.310132	5.180139	4.260913	4.557684	4.519937	4.877024	4.864208	4.95427
TAF1D	ENSG00000166012	-0.18986	6.078678	-2.37619	0.02916	0.045867	-5.16461	6.460736	6.522063	6.45902	6.080123	5.916364	5.942611	6.081788	6.161941	6.190479	6.074798	6.006304	5.948645	6.03363	6.138233	6.093383	5.85035	5.879817	5.973944
ABTB2	ENSG00000166016	-0.25069	5.223954	-1.70846	0.105248	0.144112	-6.22994	5.741006	5.765816	5.826129	5.325276	5.399687	5.211499	4.235306	4.373746	4.388669	5.411303	5.438064	5.543827	5.474599	5.331874	5.374084	5.408497	5.289597	5.239981
R3HCC1L	ENSG00000166024	0.173611	4.053959	2.369439	0.029562	0.046413	-4.7169	4.772011	4.538284	4.691656	4.701197	4.831037	4.809079	4.528631	4.922558	4.84333	3.42926	3.447177	3.445469	3.635009	3.644697	3.707028	3.508614	3.68296	3.55117
AMOTL1	ENSG00000166025	0.317588	6.008719	3.772663	0.001456	0.003158	-2.25908	5.752454	5.708855	5.774017	6.386177	6.3444	6.293514	6.116986	5.824975	5.819027	6.249332	6.159004	6.038	6.192931	6.195291	6.305403	5.74914	5.811165	5.855713
HTRA1	ENSG00000166033	1.978884	0.587637	6.752902	2.92E-06	1.37E-05	4.804091	4.965424	5.030008	5.144898	7.003011	7.087775	7.088114	6.504093	6.546187	6.631323	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CEP57	ENSG00000166037	-0.30569	4.788751	-4.30183	0.000456	0.001129	-0.9136	4.961483	4.893538	4.772407	4.263984	4.240862	4.440963	4.4712	4.504423	4.364168	5.22076	5.179378	5.199163	4.973543	5.046305	5.143946	5.15875	5.126826	5.217405
TCP11L2	ENSG00000166046	1.666674	2.058121	12.68912	2.99E-10	7.27E-09	13.69061	2.369288	1.849715	2.248556	3.633621	3.426184	3.722706	2.226405	2.184314	2.34318	1.457372	1.699433	1.718241	2.930712	2.925848	2.80865	1.784732	1.878239	2.252429
SPRED1	ENSG00000166068	-0.26281	5.820625	-6.93542	2.07E-06	1.03E-05	4.463855	5.853716	5.932317	5.891391	5.684481	5.63102	5.634569	5.991301	5.986272	5.994232	5.934924	5.959533	5.841329	5.722816	5.574066	5.61495	5.964211	5.972326	6.06165
GPR176	ENSG00000166073	0.821346	2.243405	3.980833	0.000921	0.002109	-0.99338	2.526909	2.425906	2.274882	2.740812	2.299368	2.557474	2.957542	2.702788	2.723053	2.033684	1.752042	2.328504	2.930712	3.120528	3.290693	2.432936	2.500854	2.119598
JAM3	ENSG00000166086	1.537532	-0.41987	5.890361	1.59E-05	5.93E-05	3.21463	3.236881	3.260998	3.443319	4.93299	4.900234	4.809079	4.709802	4.511753	4.654189	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GLB1L3	ENSG00000166105	-0.8217	-0.27452	-3.66352	0.001851	0.00393	-1.46014	0.587539	0.316291	0.679585	0.258133	0.25478	0.106501	0.415731	0.509405	0.256032	2.37464	2.267764	2.104662	1.797417	1.738515	1.876113	1.85727	1.795362	2.174206
ADAMTS15	ENSG00000166106	0.791272	2.882366	3.970214	0.000943	0.002152	-1.30291	1.642349	1.508929	1.499186	3.487804	3.329147	3.216292	2.412257	2.029503	1.826075	3.576295	3.654848	3.779618	4.199436	4.011117	3.974116	4.226905	3.986735	4.007286
GPT2	ENSG00000166123	-0.47266	6.361365	-4.555	0.000263	0.000695	-0.56507	6.29371	6.183767	6.203801	5.077635	5.305047	5.331249	6.386973	6.497174	6.393781	6.658034	6.598534	6.675063	6.514162	6.470003	6.531263	7.315257	7.222311	7.203088
RAB8B	ENSG00000166128	0.998062	3.756403	13.06487	1.88E-10	5.15E-09	14.25819	3.041689	3.07157	2.865896	4.218476	4.071202	4.079806	3.719464	3.773871	3.513908	3.751589	3.854512	3.652879	4.489986	4.553723	4.67449	4.067877	4.059571	4.197255
IKBIP	ENSG00000166130	0.218159	4.207599	2.657145	0.016322	0.027324	-4.01772	5.87482	5.957964	5.843823	6.213684	6.028789	6.085714	6.182352	6.269636	6.271759	2.543041	2.590228	2.447834	2.542344	2.875953	2.689384	2.611312	2.568968	2.760563
RPUSD2	ENSG00000166133	-0.6174	4.42754	-9.03008	5.36E-08	4.70E-07	8.451344	5.023273	4.988492	5.041355	4.199863	4.318753	4.202668	4.765467	4.61746	4.613192	4.68196	4.447768	4.604122	4.147483	4.235431	4.024267	4.336692	4.288934	4.4056
HIF1AN	ENSG00000166135	-0.16099	6.862368	-3.23194	0.004763	0.009105	-3.51864	7.059757	6.969865	6.977762	6.684442	6.672424	6.797129	6.909708	6.843522	6.852943	7.026754	6.972165	6.934881	6.944788	6.871134	6.939679	6.731415	6.7384	6.826343
NDUFB8	ENSG00000166136	-0.13057	1.586417	-0.80516	0.431544	0.49623	-6.29639	2.798329	2.61635	2.469799	2.425456	2.398361	2.455733	2.637802	2.825515	2.846105	1.52331	1.8028	1.46518	1.644349	1.738515	1.390007	1.250674	1.406038	1.322858
ZFYVE19	ENSG00000166140	-0.17625	5.245071	-1.67419	0.111893	0.152129	-6.29212	5.078891	5.188404	5.141325	4.400654	4.600983	4.194794	4.591583	4.709588	4.73921	5.913568	5.776414	5.834045	5.990046	5.981913	5.870866	5.664076	5.746454	5.749576
SPINT1	ENSG00000166145	0.045638	6.305937	0.239016	0.813873	0.845761	-7.8102	4.837972	4.729112	4.844488	2.91067	3.132285	2.652511	4.143751	4.050434	4.042563	8.596831	8.568699	8.625802	9.057138	8.981969	8.981304	8.828292	8.812228	8.818186
FBN1	ENSG00000166147	1.272062	5.03964	8.946068	6.14E-08	5.27E-07	8.236075	5.093368	5.31594	5.297149	6.900119	6.716257	7.02513	5.418495	5.192623	5.478316	4.146251	4.506366	4.213027	5.014278	5.032138	4.866948	3.912008	3.772348	3.797179
BRD7	ENSG00000166164	-0.18746	6.689838	-5.17425	6.99E-05	0.000216	0.744746	6.895997	6.900337	6.898496	6.6194	6.654177	6.718313	6.825462	6.866575	6.803687	6.681689	6.654018	6.732995	6.539191	6.576342	6.520626	6.515866	6.595687	6.678341
CKB	ENSG00000166165	0.683262	7.169194	8.236019	2.00E-07	1.40E-06	6.709227	6.044597	6.07798	6.181361	7.09402	7.151839	6.952282	6.302469	6.112173	6.381626	7.56533	7.599499	7.899736	8.210661	8.155323	8.170476	7.85717	7.838497	7.665387
TRMT61A	ENSG00000166166	0.188653	6.065478	2.623034	0.01753	0.029117	-4.71008	5.655787	5.694843	5.771708	5.636843	5.745129	5.522662	5.704947	5.567996	5.619566	6.312469	6.328814	6.503555	6.810532	6.665316	6.723134	6.572622	6.469946	6.288989
BTRC	ENSG00000166167	-0.16578	5.075691	-3.71549	0.001651	0.003538	-2.19016	5.872723	5.920324	5.86564	5.72735	5.644527	5.807161	5.37889	5.396449	5.451432	4.835851	4.68948	4.727183	4.555854	4.557684	4.6463	4.365992	4.372311	4.399883
POLL	ENSG00000166169	0.230087	4.531922	3.900451	0.0011	0.00246	-1.70936	4.749336	4.747329	4.715879	4.827817	4.900234	4.713128	4.730929	4.644388	4.647437	4.252132	4.357275	4.431472	4.734427	4.671739	4.653399	4.37837	4.318914	4.249053
BAG5	ENSG00000166170	-0.39903	6.399668	-7.54435	6.74E-07	3.92E-06	5.524882	6.285853	6.349454	6.347162	5.781554	5.885412	5.801988	5.620676	5.80423	5.830996	7.067381	7.045131	7.0341	6.696956	6.754308	6.748219	6.839067	6.774008	6.862127
DPCD	ENSG00000166171	0.569782	4.169644	7.89859	3.59E-07	2.29E-06	6.513381	4.02189	4.043996	4.275483	4.416862	4.447623	4.480358	4.154215	3.868266	4.132351	3.93235	3.975599	4.050743	4.601127	4.693507	4.705559	4.276243	4.145732	4.305185
LARP6	ENSG00000166173	0.412765	3.898895	3.949067	0.000988	0.00224	-1.43587	4.145127	4.268725	4.087767	4.707799	4.681813	4.78306	3.928981	4.194045	3.935772	3.50465	3.640966	3.543997	4.006532	3.688714	3.6725	3.698273	3.772348	3.725851
API5	ENSG00000166181	-0.52407	6.898219	-11.6434	1.16E-09	2.11E-08	12.11344	7.632494	7.632297	7.651959	6.990882	6.946341	7.056966	7.239531	7.371549	7.232643	6.755564	6.714091	6.693292	6.287362	6.384488	6.294092	6.464545	6.515967	6.539638
ZNF319	ENSG00000166188	-0.15992	5.009668	-2.65907	0.016256	0.02723	-4.41968	5.451823	5.24399	5.417238	5.375899	5.383668	5.155812	5.282018	5.306587	5.243285	4.899309	4.842882	4.885889	4.693208	4.693507	4.558265	4.950708	4.843731	4.784756
HPS6	ENSG00000166189	-0.33457	4.945059	-4.2485	0.000512	0.001255	-0.96952	5.857962	5.811984	5.99598	5.363409	5.565074	5.316813	5.601686	5.462247	5.50844	4.373294	4.340194	4.545867	4.294375	4.264807	4.302347	4.489042	4.469068	4.394143
SENP8	ENSG00000166192	-0.24168	2.49158	-2.07048	0.053513	0.079073	-5.01065	3.114469	2.982098	3.06005	2.605941	2.333126	2.374422	2.058296	2.255906	2.309357	2.943032	2.935512	3.101662	2.940139	3.054776	3.075009	2.731965	2.755911	2.724423
NOLC1	ENSG00000166197	-0.62578	8.743451	-14.5224	3.43E-11	1.50E-09	15.64689	9.450679	9.458616	9.432567	8.780317	8.859704	8.83459	8.983046	8.957644	8.930616	8.723861	8.657996	8.737538	8.112716	8.048525	8.084779	8.487928	8.438937	8.467496
ALKBH3	ENSG00000166199	-0.28904	4.111557	-3.20034	0.005102	0.009678	-3.0542	4.772011	4.809337	5.018167	4.803367	4.470555	4.460795	4.956946	5.033666	4.745547	3.75845	3.836353	3.7997	3.532792	3.479115	3.615478	3.560228	3.554448	3.455199
COPS2	ENSG00000166200	0.321037	7.383551	7.26859	1.11E-06	6.02E-06	4.939204	6.944712	6.933532	6.907989	7.342274	7.153021	7.271466	7.523024	7.492261	7.469279	7.363557	7.383585	7.280853	7.615258	7.686425	7.656048	7.671414	7.68149	7.690778
GABRB3	ENSG00000166206	1.072709	5.031021	9.662927	1.98E-08	2.07E-07	9.422453	5.042051	5.041126	5.094055	6.388234	6.377132	6.370669	5.907184	5.951655	5.88653	4.167027	4.157244	4.124247	4.745223	4.875912	4.782046	4.137495	4.333674	4.122853
SGPL1	ENSG00000166224	-0.32402	6.50732	-6.87845	2.30E-06	1.12E-05	4.272556	6.903204	6.881904	6.850072	6.316613	6.450097	6.463697	6.649872	6.727114	6.661798	6.462866	6.426122	6.468703	6.279029	6.23046	6.275807	6.476108	6.462131	6.442871
FRS2	ENSG00000166225	-0.41162	5.638182	-8.39693	1.52E-07	1.11E-06	7.174329	6.110133	5.977387	6.069258	5.598277	5.3917	5.532066	5.628203	5.679597	5.640119	5.795112	5.78433	5.751395	5.482686	5.518239	5.459595	5.507606	5.53284	5.567757
CCT2	ENSG00000166226	-0.23073	8.66097	-6.1031	1.04E-05	4.10E-05	2.550745	8.894731	8.867315	8.817447	8.712998	8.682806	8.701315	8.622766	8.608224	8.645595	8.779941	8.706706	8.73705	8.432478	8.445621	8.46767	8.619748	8.578695	8.642921
PCBD1	ENSG00000166228	0.137748	6.020403	1.461857	0.161528	0.209817	-6.63733	6.62668	6.61304	6.550756	6.369619	6.397219	6.417087	6.570057	6.67583	6.714435	5.33073	5.221963	5.267448	5.812803	5.764345	5.718428	5.60737	5.547687	5.603018
ARIH1	ENSG00000166233	0.356462	6.831928	5.924675	1.48E-05	5.59E-05	2.327536	6.819693	6.930546	6.905885	7.291536	7.084063	7.23258	7.329999	7.327574	7.323343	6.434229	6.382987	6.331464	6.772119	6.751716	6.769611	6.520526	6.518123	6.490722
CLMP	ENSG00000166250	0.282858	0.406663	0.951247	0.354449	0.418943	-5.86146	5.075249	5.03743	4.85325	5.156973	5.226392	5.327654	5.665257	5.550308	5.497217	0.106501	0.106501	0.16959	0.234608	0.106501	0.186984	0.106501	0.106501	0.106501
COX11	ENSG00000166260	0.195232	4.878381	3.077737	0.006656	0.012293	-3.46175	5.449012	5.466485	5.522611	5.615935	5.690831	5.807161	5.952856	5.991525	5.96466	3.980092	4.14254	4.054926	4.222798	4.215509	4.104162	4.236002	4.247965	4.190648
ZNF202	ENSG00000166261	-0.14336	4.647976	-1.69097	0.108596	0.148254	-6.11109	4.820675	4.629503	4.641955	4.152252	4.293254	4.315882	4.673889	4.819999	4.819498	4.829349	4.860959	4.801266	4.841432	4.794321	4.975731	4.874113	4.850589	4.731125
FAM227B	ENSG00000166262	-0.07711	1.258488	-0.2396	0.81343	0.845424	-6.62646	2.296082	2.152784	2.399755	1.326771	1.006428	1.188496	1.762502	1.760835	1.918715	1.704765	1.435603	1.653508	2.062048	2.517623	2.312654	1.599785	1.766644	1.58715
STXBP4	ENSG00000166263	0.7859	3.536164	7.725263	4.88E-07	2.96E-06	6.396328	3.792713	3.608619	3.783005	4.667726	4.688349	4.761901	4.420085	4.413424	4.482711	2.966925	2.877496	2.776437	3.213258	3.223865	3.281558	3.103995	2.99751	3.079476
CUL5	ENSG00000166266	-0.08498	6.012848	-2.17968	0.043224	0.06523	-5.52164	5.979843	6.000355	6.099032	6.007062	5.879712	5.928437	6.15656	6.065615	6.074452	6.112774	6.125748	6.053763	6.017022	5.993658	6.029337	6.016621	6.024808	6.079643
WBP1L	ENSG00000166272	0.513936	5.427425	9.99229	1.20E-08	1.38E-07	9.832967	5.440544	5.585177	5.399401	5.946944	5.986987	6.011461	5.609312	5.535999	5.719525	5.021274	5.085124	5.153077	5.551958	5.646534	5.557452	5.015537	5.069195	4.99276
BORCS7	ENSG00000166275	0.388247	3.90013	3.709233	0.001674	0.003582	-1.82273	5.030813	5.120143	5.251481	5.622938	5.338674	5.584228	5.282018	5.388507	5.274297	2.843296	2.779525	2.53427	2.949505	2.925848	3.167173	2.400938	2.665466	2.59029
PLEKHF1	ENSG00000166289	0.99888	1.831868	6.815187	2.60E-06	1.24E-05	4.672906	0.742531	1.118985	1.202741	1.022291	1.006428	1.055701	1.389995	0.622068	1.38134	3.437834	3.390227	3.658388	4.615908	4.476309	4.523816	3.333216	3.182818	3.121769
TMEM100	ENSG00000166292	2.971337	-1.16761	5.196147	6.67E-05	0.000207	1.871657	1.384302	1.591918	1.146821	4.342447	4.368438	4.480358	2.752438	2.848856	2.82232	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ANAPC16	ENSG00000166295	0.365279	6.617907	7.065136	1.62E-06	8.29E-06	4.677703	7.354593	7.425825	7.335247	7.719964	7.691876	7.696355	7.797892	7.851263	7.821676	5.473087	5.459973	5.390066	5.842013	5.798226	5.861701	5.6708	5.688306	5.588012
SMPD1	ENSG00000166311	1.824752	4.78743	13.66382	9.18E-11	3.09E-09	14.93238	4.165822	4.275018	4.249168	6.462335	6.504813	6.442243	4.980658	4.922558	5.121883	3.944434	3.780465	4.182763	5.28231	5.280064	5.156493	4.142342	4.258317	4.136669
APBB1	ENSG00000166313	1.140722	0.479654	3.860564	0.0012	0.002652	-0.86595	2.27083	2.232543	2.166567	3.083078	3.48743	3.459109	2.340763	2.728183	2.869505	0.415169	0.462741	0.288049	0.5125	0.345231	0.593579	0.738851	0.433238	0.734116
NUDT13	ENSG00000166321	0.699871	1.357038	4.002404	0.000879	0.002023	-0.70037	2.483604	2.125186	2.248556	2.791417	2.737798	2.741673	3.094248	3.043491	2.748518	1.239286	0.941811	0.76743	1.365252	1.528499	1.456457	1.13872	1.16325	1.273688
TRIM44	ENSG00000166326	-0.05801	7.307606	-0.87312	0.394437	0.459509	-7.47704	7.425675	7.513588	7.467389	7.217131	7.179939	7.278932	7.590075	7.549475	7.600927	7.197407	7.191599	7.153997	7.250168	7.325491	7.289867	7.208391	7.182778	7.084245
ILK	ENSG00000166333	0.378247	5.883471	5.328249	5.06E-05	0.000163	1.165524	6.044597	6.067143	5.994	6.168929	6.152121	6.096318	6.000029	5.862728	5.920533	5.524305	5.4835	5.649959	6.182047	6.115569	6.173346	5.64029	5.647541	5.637437
TAF10	ENSG00000166337	0.812787	5.584714	15.50217	1.19E-11	7.04E-10	16.93621	5.504227	5.384472	5.555197	6.279424	6.3444	6.233295	5.952856	5.827914	5.912107	4.829349	5.064472	5.000938	5.689666	5.866886	5.711642	5.416521	5.292118	5.239981
TPP1	ENSG00000166340	0.984544	5.583558	13.06722	1.87E-10	5.15E-09	14.06559	3.952119	4.073175	4.080323	5.213737	5.199191	5.35617	4.8959	4.80814	4.801363	6.254195	6.215126	6.146848	7.110509	7.020694	7.062095	6.337182	6.341957	6.343617
CYB5A	ENSG00000166347	0.431623	5.839012	3.803546	0.001361	0.002968	-2.15145	5.786261	5.680694	5.628485	6.049263	5.973671	6.018168	6.23506	6.219034	6.181159	5.608358	5.72963	5.597869	6.167071	6.167044	6.112827	5.416521	5.5519	5.453733
USP54	ENSG00000166348	0.667167	4.898286	6.308707	6.91E-06	2.88E-05	3.373925	5.207561	5.03743	4.990634	6.069909	5.859584	6.100538	4.944941	4.877874	4.956916	4.637991	4.521599	4.29666	4.790225	4.934974	4.788509	4.374256	4.451131	4.274271
RAG1	ENSG00000166349	0.105395	0.216904	0.610755	0.549223	0.60914	-6.77146	0.216396	0.106501	0.219246	0.395333	0.106501	0.3528	0.269385	0.509405	0.256032	3.265521	3.365114	3.305013	3.259174	3.436722	3.308792	3.423579	3.182818	3.291935
IFTAP	ENSG00000166352	0.20481	1.650736	1.098226	0.287005	0.348106	-6.00392	2.780548	2.730641	2.848472	3.083078	2.633282	2.532704	2.696258	3.285084	2.798137	1.388276	1.029669	1.126631	1.644349	1.560439	1.456457	1.45147	1.581179	1.665483
ATP9B	ENSG00000166377	0.154343	3.641625	2.348086	0.03087	0.048231	-4.69698	4.12413	4.087546	4.109872	4.190466	4.240862	4.249025	4.122591	3.84524	3.867685	3.275122	3.339557	3.445469	3.551365	3.503965	3.517722	3.350072	3.356678	3.509302
PPFIBP2	ENSG00000166387	-0.38314	1.528569	-2.20681	0.040966	0.06216	-4.56668	2.526909	2.513665	1.954926	1.933905	1.864131	2.164723	1.074544	1.15884	1.445026	2.444376	2.388995	2.396013	2.193986	2.039797	2.161508	1.419885	2.101639	2.174206
CYB5R2	ENSG00000166394	-3.10286	-0.98323	-6.93439	2.07E-06	1.03E-05	5.058304	4.664623	4.724521	4.58523	1.840866	1.498102	1.422231	3.33403	3.083395	3.271973	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SERPINB7	ENSG00000166396	-1.64529	-0.16621	-5.97675	1.34E-05	5.12E-05	3.3847	1.286899	1.277811	1.256574	0.52061	0.625525	0.746642	0.886508	0.622068	0.925731	1.352446	1.369793	1.188864	0.745413	0.484926	0.404558	1.681967	1.329561	1.370407
GARRE1	ENSG00000166398	0.273764	3.76656	2.669711	0.015897	0.026678	-4.26968	3.397161	3.209365	3.296854	3.181227	3.188693	3.069023	3.050103	3.250449	3.406029	4.5772	4.580969	4.472706	4.858933	4.934974	5.025827	4.147172	3.999132	4.274271
SERPINB8	ENSG00000166401	-0.18377	4.548002	-2.47371	0.023891	0.038454	-4.53096	5.485141	5.651972	5.690917	5.583994	5.371535	5.425089	6.232593	6.326859	6.145661	3.358771	3.348126	3.489405	3.091636	3.213858	3.253801	3.940112	3.779553	4.022248
TUB	ENSG00000166402	1.4073	-0.86649	5.492185	3.60E-05	0.000121	2.44986	2.483604	2.674627	2.739267	3.898911	4.149079	4.121933	3.632324	3.711575	3.628063	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
IDH3A	ENSG00000166411	0.06644	6.555901	1.011441	0.325604	0.388928	-7.26634	6.583748	6.571467	6.530413	6.894342	6.850524	6.854475	6.934204	6.947185	6.921714	6.443838	6.359867	6.360483	6.223171	6.148776	6.323319	6.483766	6.43501	6.428903
WDR72	ENSG00000166415	0.432437	4.716163	5.181933	6.88E-05	0.000213	1.28533	6.54082	6.468163	6.398948	6.895788	6.801626	6.807492	6.670066	6.703301	6.7289	2.527059	2.766797	2.796562	3.091636	3.401888	3.421201	2.924322	2.934355	3.021085
ZMAT1	ENSG00000166432	0.495841	-0.44042	1.390044	0.181967	0.232841	-5.29915	2.949211	2.870177	3.075109	3.162124	3.033076	3.485165	2.480375	2.568641	3.064594	0.106501	0.106501	0.230035	0.234608	0.26996	0.263213	0.183756	0.106501	0.214669
XRRA1	ENSG00000166435	0.023478	3.754456	0.321228	0.751847	0.79305	-7.06642	4.957532	4.843609	4.870617	4.778495	4.807214	4.942007	5.162706	5.002785	4.99996	2.620402	2.701418	2.776437	2.812503	2.901116	2.858649	2.957699	3.034117	3.035906
TRIM66	ENSG00000166436	-0.10034	3.385032	-0.94824	0.355933	0.420396	-6.76382	4.044416	3.983805	3.914407	3.688057	3.630051	4.154771	2.908934	3.351955	3.064594	3.520882	3.866492	3.48321	3.422776	3.544454	3.754018	2.946659	3.127424	3.065099
RNF169	ENSG00000166439	-0.58483	4.524065	-10.1278	9.81E-09	1.16E-07	10.14434	4.758449	4.584615	4.48167	4.142539	3.978251	4.027574	4.376062	4.175703	4.396744	5.21079	5.21026	5.005268	4.543538	4.642195	4.546874	4.874113	4.805418	4.849107
RPL27A	ENSG00000166441	-0.10345	8.875876	-2.87086	0.010383	0.018255	-4.41368	9.248658	9.265546	9.223973	9.073057	9.058208	9.013923	9.160599	9.159265	9.18405	8.665969	8.605129	8.602592	8.558904	8.65518	8.626267	8.550566	8.551858	8.620359
DENND2B	ENSG00000166444	0.312646	3.261195	3.640975	0.001945	0.004105	-2.01845	3.325391	3.042358	3.25779	3.605613	3.588725	3.620621	3.219115	2.981485	2.915195	3.358771	3.517242	3.432666	3.599754	3.779712	3.615478	3.485915	3.644015	3.410407
PRTG	ENSG00000166450	-0.10107	4.442924	-0.75987	0.457461	0.521125	-7.02554	5.465799	5.610278	5.571218	5.720837	5.745129	5.711078	5.42715	5.514266	5.420081	3.914031	4.077032	3.685623	3.173846	3.301515	3.396027	3.094024	3.267249	3.466183
CENPN	ENSG00000166451	-1.1853	4.529809	-5.50397	3.51E-05	0.000118	1.879709	4.876148	4.980813	4.946277	4.59836	4.621619	4.690911	5.515028	5.412203	5.355259	4.874259	4.78725	4.925267	2.930712	3.077028	2.870883	4.908658	4.729324	4.819433
AKIP1	ENSG00000166452	0.114578	3.962642	1.392878	0.181122	0.231906	-6.23415	4.855064	4.969219	4.844488	4.892995	4.789085	4.854763	5.120637	5.03875	5.097318	2.918737	3.065914	2.911754	3.395624	3.193633	3.335521	3.374993	3.297679	3.387478
ATMIN	ENSG00000166454	0.041131	6.909296	1.058863	0.304077	0.366287	-7.27873	6.587588	6.556048	6.509779	6.617648	6.41309	6.45713	6.604805	6.563926	6.610642	7.259182	7.171219	7.256086	7.35344	7.324329	7.343525	7.319008	7.30889	7.340753
C16orf46	ENSG00000166455	0.196209	0.735521	0.898655	0.38105	0.445738	-6.31536	1.561356	1.420874	1.62731	1.256461	0.625525	0.984419	0.782422	0.509405	0.735084	1.91588	2.074736	1.896649	2.371704	2.612083	2.449456	1.419885	1.547811	1.504318
TMEM41B	ENSG00000166471	-0.0607	5.183837	-0.572	0.574606	0.633259	-7.39096	5.460225	5.466485	5.426074	5.554996	5.3917	5.448454	5.925627	6.035417	5.937239	4.977839	4.896447	4.98568	4.808355	4.837324	4.778803	4.762075	4.641102	4.740203
PKD1L2	ENSG00000166473	0.26951	2.273752	1.529165	0.14412	0.189977	-5.74357	2.109269	2.596389	2.5366	2.255624	2.117603	2.317553	2.724622	2.825515	3.023464	2.444376	2.485369	2.447834	2.902055	2.985883	2.883013	2.597261	2.585506	2.226823
LEO1	ENSG00000166477	0.031152	5.849093	0.471154	0.643358	0.695256	-7.562	6.209831	6.24755	6.288611	6.543927	6.397219	6.443905	6.382529	6.405702	6.287046	5.413478	5.407641	5.513751	5.250459	5.345687	5.271695	5.306398	5.53284	5.526375
ZNF143	ENSG00000166478	0.298334	4.030199	3.379293	0.003453	0.006816	-2.73719	3.86199	3.786518	3.83701	4.479932	4.327153	4.454215	4.045989	4.060466	4.16108	4.177304	3.953305	4.144017	4.222798	3.987816	4.27038	4.189932	4.111883	4.080593
TMX3	ENSG00000166479	0.169399	5.55493	1.609566	0.125405	0.168488	-6.33179	5.93634	5.916304	5.906203	6.37999	6.137866	6.363663	6.606711	6.526419	6.474207	5.082702	5.069663	4.842989	4.936342	4.847068	4.891173	4.939614	4.79479	4.969789
WEE1	ENSG00000166483	-0.40388	5.032198	-5.21996	6.35E-05	0.000198	1.012946	5.220808	5.237561	5.281005	4.96641	5.019069	5.059385	4.090259	4.109604	4.198517	5.733768	5.747555	5.764226	5.274879	5.203748	5.326021	5.085149	5.003024	5.11644
MAPK7	ENSG00000166484	0.350094	4.406552	3.358697	0.003612	0.007097	-2.89869	3.919992	3.936954	4.080323	4.63346	4.726954	4.656929	4.034706	3.999201	3.979442	4.468423	4.637993	4.679211	4.831335	4.704269	4.695277	4.908658	4.933671	4.7671
PRKCB	ENSG00000166501	0.982816	0.598303	3.925314	0.001041	0.002342	-0.7365	5.451823	5.455446	5.46661	6.497053	6.478657	6.455483	6.300115	6.225736	6.269562	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
HDGFL3	ENSG00000166503	0.110444	0.347917	0.682124	0.504101	0.566284	-6.08448	5.834455	5.727328	5.70066	5.869565	5.818465	5.906913	5.555064	5.676339	5.629879	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MCM7	ENSG00000166508	-1.44572	7.807025	-13.1555	1.68E-10	4.80E-09	14.0482	8.12258	8.075579	8.072118	7.023002	7.092711	7.066704	7.850318	7.91554	7.790603	8.621502	8.523545	8.608296	6.836636	6.823395	6.801117	8.467074	8.477383	8.491887
CCDC68	ENSG00000166510	-0.07254	4.21385	-0.3476	0.732292	0.776044	-7.1539	5.443372	5.303682	5.460888	5.772136	5.703792	5.683212	5.570773	5.682848	5.760779	3.463254	3.524821	3.81458	2.529911	2.549802	2.906973	3.011667	2.854728	2.912845
ZNF3	ENSG00000166526	0.426722	5.605093	5.887691	1.60E-05	5.96E-05	2.369865	5.319544	5.281977	5.217952	5.452586	5.371535	5.468184	5.555064	5.575011	5.541593	5.520274	5.581239	5.655479	6.21154	6.205427	6.111539	5.766509	5.825159	5.78729
ZSCAN21	ENSG00000166529	0.231096	3.46919	2.052565	0.055399	0.081556	-5.23935	3.662849	3.768792	3.726899	3.441022	3.560502	3.608819	3.423261	3.798055	3.437684	3.42926	3.295928	3.567612	3.879997	3.896925	3.951255	3.538334	3.571152	3.228839
RIMKLB	ENSG00000166532	-0.26403	-0.02004	-1.56599	0.135277	0.179851	-5.13488	4.945613	4.976959	5.018167	4.569652	4.681813	4.849758	5.36994	5.404348	5.451432	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
BEAN1	ENSG00000166546	1.178399	1.911663	6.035541	1.19E-05	4.62E-05	3.410147	1.681202	2.009193	1.453818	3.237064	2.948483	2.904994	2.545421	2.540248	2.34318	1.646779	1.752042	1.562415	2.162115	2.23054	2.312654	2.432936	2.726388	2.706008
TK2	ENSG00000166548	-0.44532	5.081859	-6.2906	7.16E-06	2.98E-05	3.382326	6.077737	6.083368	6.050332	5.5623	5.620805	5.657664	6.309508	6.147896	6.233947	4.412971	4.555295	4.503642	4.15964	3.993677	4.109334	4.32821	4.288934	4.311289
TMED3	ENSG00000166557	0.633979	7.263787	14.20191	4.93E-11	1.93E-09	15.35206	7.168867	7.223531	7.245746	7.949683	8.001024	7.941299	7.691449	7.65089	7.683285	6.630249	6.645352	6.760151	7.240186	7.173079	7.150678	6.921729	6.938337	6.915194
SEC11C	ENSG00000166562	0.106341	4.846859	1.059658	0.303725	0.365986	-6.86167	5.606174	5.567343	5.544416	5.875441	5.745129	5.855404	5.729647	5.666521	5.757647	3.980092	3.924944	4.071539	3.879997	4.005327	3.81227	4.280646	4.446612	4.577525
TMEM135	ENSG00000166575	0.614195	4.725762	5.293946	5.43E-05	0.000174	1.324431	4.309146	4.210824	4.235828	5.082724	5.084948	5.106307	5.523124	5.525174	5.37174	4.430262	4.403231	4.338442	4.704315	4.853528	4.715769	4.780845	4.633169	4.793504
IQCD	ENSG00000166578	0.073617	2.64033	0.676321	0.507689	0.56964	-7.11417	2.021155	1.947501	1.921989	1.634586	1.087782	1.475193	1.70672	1.15884	1.01237	4.513734	4.283241	4.48516	4.63635	4.573423	4.599282	4.271827	4.442079	4.329449
NDEL1	ENSG00000166579	0.030071	6.238616	0.507879	0.617887	0.673032	-7.6443	6.179621	6.124021	6.160332	6.125209	5.899563	5.968239	6.09271	6.078014	6.176476	6.426711	6.359867	6.421694	6.566839	6.521619	6.618192	6.318033	6.32359	6.290535
CENPV	ENSG00000166582	-0.55379	4.437529	-6.93234	2.08E-06	1.03E-05	4.781253	5.451823	5.427474	5.544416	5.142425	4.950037	5.097889	5.431459	5.348128	5.660384	3.968304	3.942027	3.886761	3.165832	3.253475	3.299771	3.934535	3.910024	3.922098
RRAD	ENSG00000166592	-0.54045	2.28643	-1.1747	0.25587	0.314983	-6.44538	3.672523	3.704977	3.607684	0.395333	0.25478	0.563119	1.160105	0.726566	0.925731	4.037631	3.848485	4.171248	4.15964	4.122289	4.174939	4.426844	4.283876	4.066226
CIAO2B	ENSG00000166595	-0.3911	6.762059	-6.2788	7.33E-06	3.04E-05	3.054281	7.210964	7.231642	7.263932	6.633339	6.727407	6.543358	6.937237	6.930873	7.001986	6.690684	6.6305	6.801818	6.543063	6.5287	6.475274	6.633268	6.644843	6.538338
HSP90B1	ENSG00000166598	0.328796	10.15277	6.261167	7.58E-06	3.13E-05	2.802477	10.36298	10.37011	10.35233	10.87611	10.69038	10.82177	10.72248	10.76741	10.7558	9.431231	9.452942	9.389903	9.603198	9.686197	9.65015	9.914111	9.924574	10.0035
BLCAP	ENSG00000166619	-0.09905	6.77961	-1.1073	0.283171	0.344159	-7.22659	6.455142	6.405017	6.377849	6.35076	6.30028	6.44058	5.931722	5.746369	5.85464	7.412771	7.358886	7.443648	7.30501	7.274651	7.270374	7.440065	7.486145	7.445063
ATF7IP2	ENSG00000166669	0.464081	1.961954	4.436436	0.00034	0.000872	0.040695	2.438959	2.403106	2.351095	2.840308	2.660129	2.741673	2.480375	2.389238	2.202855	2.30136	1.899254	2.004401	2.529911	2.326537	2.449456	1.809319	1.956613	1.81044
BEX3	ENSG00000166681	0.320415	1.90656	1.281709	0.216687	0.271584	-5.53329	8.638172	8.667766	8.66312	9.046283	8.978123	8.924216	8.349842	8.316465	8.387985	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
COG1	ENSG00000166685	0.472163	5.204979	9.231714	3.89E-08	3.61E-07	8.60103	4.433832	4.569336	4.537101	4.821743	4.795153	4.884435	4.512454	4.357565	4.520155	5.612151	5.691415	5.580563	6.167071	6.144832	6.142143	5.940756	5.833837	5.940859

PLEKHA7	ENSG00000166689	0.203551	3.854566	3.1809	0.005323	0.010053	-3.45261	1.430644	1.591918	1.499186	1.978268	2.490996	2.132113	1.648695	1.301009	1.674905	6.64606	6.661772	6.702654	6.816303	6.838128	6.797116	6.019258	6.170318	6.084997
ZNF606	ENSG00000166704	0.423195	2.755998	4.895851	0.000126	0.000363	0.477174	1.430644	1.374745	1.921989	1.256461	1.437317	1.367251	1.240874	1.001115	0.833554	4.845549	4.84591	4.748003	5.286012	5.308554	5.250784	5.007591	4.949728	5.084719
B2M	ENSG00000166710	0.33044	9.898545	5.216765	6.39E-05	0.000199	0.618429	9.769102	9.78748	9.694191	10.36031	10.28168	10.2698	10.22292	10.24281	10.22698	9.651441	9.598763	9.533506	9.60755	9.742643	9.784237	9.743402	9.797138	9.888533
ZNF592	ENSG00000166716	-0.33374	6.189665	-9.96687	1.25E-08	1.43E-07	9.675005	5.731782	5.639833	5.731878	5.506594	5.296516	5.428451	5.555064	5.543171	5.556087	7.056287	7.006405	7.054613	6.675951	6.679929	6.710426	6.883163	6.858936	6.90312
GOLM2	ENSG00000166734	0.437444	7.209099	5.193386	6.71E-05	0.000208	0.749011	7.106003	7.143257	7.146763	7.847261	7.678807	7.753079	7.755565	7.789275	7.691514	6.831546	6.827217	6.819138	7.065994	7.089351	7.042626	6.748203	6.815783	6.800538
NNMT	ENSG00000166741	1.976957	-0.05431	6.572243	4.13E-06	1.85E-05	4.47509	3.952119	4.115866	4.087767	6.041444	6.084358	6.070736	4.758625	4.87219	4.751857	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AP1G1	ENSG00000166747	0.09132	7.333291	1.363436	0.190051	0.242011	-6.94468	7.043074	7.072773	7.116148	7.484589	7.304287	7.363888	7.479997	7.535158	7.418625	7.417655	7.457225	7.375458	7.294483	7.313241	7.344073	7.354943	7.361452	7.429012
SLFN5	ENSG00000166750	0.228972	6.736441	1.83004	0.084353	0.118567	-6.23156	6.887715	6.958181	6.927826	6.69611	6.670775	6.672277	5.925627	5.902309	5.822029	6.821752	6.897502	6.770999	7.421064	7.41556	7.448266	6.684838	6.810517	6.786366
CATSPER2	ENSG00000166762	0.083032	0.60512	0.380957	0.707826	0.754947	-6.43397	1.384302	1.118985	1.54317	1.519216	1.373859	1.880533	1.160105	1.605065	0.925731	1.457372	1.616737	1.219002	1.473091	1.077171	1.390007	1.099384	1.2488	1.504318
ZNF667-AS	ENSG00000166770	0.491743	0.679245	10.2822	7.80E-09	9.67E-08	10.36088	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.483477	5.52755	5.579111	5.992313	6.009653	6.051003	5.365622	5.370553	5.408895
BMERB1	ENSG00000166780	-0.43589	1.904951	-2.02295	0.05865	0.085845	-4.56605	5.485141	5.39028	5.335175	4.999073	5.024245	4.946703	5.178171	5.048863	5.188519	0.609835	0.524532	0.54756	0.352262	0.345231	0.651457	0.393424	0.924142	0.659518
MARF1	ENSG00000166783	0.593275	5.395469	9.889708	1.40E-08	1.57E-07	9.673609	5.278958	5.331118	5.387386	5.772136	5.830334	5.872779	5.506885	5.58547	5.602211	5.057888	5.097884	5.070772	5.717343	5.697694	5.751886	5.105146	4.981317	5.11644
SAAL1	ENSG00000166788	-0.52098	3.960422	-8.45587	1.38E-07	1.03E-06	7.536731	4.302931	4.281283	4.201929	3.54791	3.588725	3.711713	3.904396	3.90213	3.946814	4.295234	4.340194	4.398932	3.970183	3.940055	3.939687	4.21775	4.357943	4.136669
PPIB	ENSG00000166794	0.423422	9.390648	8.185787	2.18E-07	1.50E-06	6.507794	9.254708	9.235814	9.226926	9.868949	9.817054	9.838741	9.586434	9.583367	9.631302	9.08637	9.007157	9.007621	9.274289	9.283347	9.302441	9.33926	9.346943	9.381659
LDHC	ENSG00000166796	-0.28511	0.059276	-1.68721	0.109327	0.149024	-5.21828	0.41387	0.316291	0.512639	0.52061	0.512209	0.563119	0.415731	0.726566	0.735084	2.163418	2.115463	2.038602	1.755315	1.710321	1.722572	2.034568	1.956613	1.775544
CIAO2A	ENSG00000166797	0.14544	5.93211	3.288685	0.004209	0.008148	-3.29336	5.924244	5.865087	5.796906	6.017729	5.943937	6.059941	5.760796	5.948957	5.788664	5.946988	5.929869	5.886627	6.002473	6.0857	6.105081	6.083665	6.039887	6.028687
FAM111A	ENSG00000166801	-0.21923	4.534238	-1.98785	0.062725	0.091177	-5.64432	3.911847	3.61855	3.618004	4.122913	4.009905	4.202668	4.302704	4.316298	4.305329	5.291059	5.39529	5.336087	4.836392	4.913495	4.873042	5.151556	5.322033	5.326909
PCLAF	ENSG00000166803	-1.66971	3.23136	-6.73959	3.00E-06	1.40E-05	4.646088	4.158957	4.136747	4.07284	3.441022	3.502343	3.335661	4.215456	3.879643	4.207726	3.980092	3.824119	3.81458	1.621093	1.738515	1.580823	3.366734	3.476789	3.31642
KIF7	ENSG00000166813	1.157261	0.243655	4.994947	0.000102	0.000302	1.148769	0.667115	0.106501	0.323815	0.258133	1.006428	0.563119	0.106501	0.253663	0.515351	2.650221	2.575707	2.786535	3.850304	3.629721	3.509921	2.494877	2.054898	2.119598
LDHD	ENSG00000166816	-0.25112	1.387427	-1.40622	0.177188	0.227565	-5.56023	3.249862	2.982098	3.029452	2.933382	3.188693	2.605775	3.027514	3.023117	3.143496	1.199504	0.89579	1.305813	0.982856	1.032323	0.862212	0.789161	0.975239	1.115245
PEX11A	ENSG00000166821	0.970234	3.258991	13.10832	1.78E-10	4.99E-09	14.32856	2.815895	2.853456	2.700947	3.714523	3.808643	3.632327	3.094248	3.214961	3.306673	3.294134	3.373534	3.141546	4.126992	4.164465	4.040604	3.341669	3.503143	3.31642
TMEM170A	ENSG00000166822	-0.49797	4.511077	-6.02514	1.21E-05	4.70E-05	2.853755	4.85081	4.852052	4.753809	4.092964	3.956756	4.018682	4.402637	4.519046	4.534865	4.724629	4.836805	4.753161	4.43437	4.54975	4.504317	4.762075	4.971913	4.857474
MESP1	ENSG00000166823	0.185271	0.61332	0.423824	0.676864	0.725783	-6.37029	2.218961	2.125186	2.326135	1.104644	1.2379	1.422231	1.588238	1.549165	1.50602	0.609835	0.986408	0.639567	1.689764	1.897007	1.580823	1.177011	1.118494	0.805046
RBPMS2	ENSG00000166831	0.829262	0.516019	2.240339	0.038326	0.058583	-4.03547	3.262728	3.450822	3.408073	4.40878	4.318753	4.096805	4.185161	4.080322	4.141991	0.269074	0.259702	0.54756	0.294634	0.26996	0.186984	0.257084	0.2791	0.106501
NAV2	ENSG00000166833	-0.0403	4.392569	-0.33205	0.743803	0.785671	-7.5602	2.568952	2.71221	2.830836	3.533117	3.546181	3.776446	3.050103	3.214961	2.616448	6.245675	6.287085	6.048527	5.947442	5.860486	6.026606	5.546516	5.522142	5.708538
ANKDD1A	ENSG00000166839	0.32432	0.201999	1.632518	0.120455	0.162651	-5.08484	1.384302	1.061904	1.499186	1.634586	1.666451	1.526279	1.762502	1.367163	1.674905	0.7264	0.89579	0.76743	1.018891	0.612281	0.910419	0.884806	0.924142	0.805046
C18orf54	ENSG00000166845	-1.35417	1.926552	-4.62455	0.000226	0.000608	0.536855	3.026682	2.836538	2.933559	2.791417	2.366112	2.675323	2.858632	2.801791	2.869505	2.679436	2.500824	2.382761	0.907968	0.888753	0.862212	2.211015	2.37332	2.326628
DCTN5	ENSG00000166847	-0.01859	7.493829	-0.33206	0.743793	0.785671	-7.82858	7.444147	7.463503	7.466675	7.401507	7.212045	7.400288	7.743488	7.764175	7.769769	7.462464	7.423158	7.39539	7.551722	7.436149	7.491493	7.519046	7.532194	7.561029
TERF2IP	ENSG00000166848	-0.35087	6.167955	-8.8631	7.03E-08	5.91E-07	7.898657	6.048317	6.009818	5.988045	5.740289	5.710229	5.643273	5.997126	6.020078	5.99689	6.651599	6.596738	6.736906	6.2781	6.301873	6.30653	6.465512	6.458768	6.452569
PLK1	ENSG00000166851	-0.58375	4.942563	-2.06442	0.054144	0.079856	-5.38253	5.259834	5.198371	5.183625	5.521661	5.654575	5.510028	6.536452	6.500862	6.526664	4.738576	4.602618	4.69538	2.902055	2.997596	2.795875	5.332078	5.104049	5.133766
CLPX	ENSG00000166855	-0.16542	5.955559	-3.3562	0.003632	0.007133	-3.15015	6.152226	6.192103	6.124589	5.7878	5.921921	5.820014	5.922569	5.946255	5.822029	6.035795	5.974832	6.090906	6.013678	5.927843	6.030701	5.972399	5.922751	5.972018
ZBTB39	ENSG00000166860	-0.33886	4.958241	-3.90458	0.00109	0.00244	-1.80255	5.156772	4.988492	5.204319	4.40878	4.343809	4.393601	4.920629	4.825892	4.889843	5.24783	5.294698	5.243822	5.170617	5.098907	5.246096	5.269218	5.143675	5.271631
NEMP1	ENSG00000166881	-1.51503	4.851416	-13.4875	1.13E-10	3.55E-09	14.70415	5.194191	5.106095	5.05661	4.263984	4.167908	4.233737	4.716879	4.960553	4.831463	5.919702	5.737805	5.8255	4.055062	4.028349	4.078019	5.299906	5.447207	5.406045
NAB2	ENSG00000166886	-0.43142	4.560712	-2.67485	0.015727	0.026427	-4.39678	3.476616	3.676739	3.511328	4.281793	4.318753	4.121933	3.853933	3.999201	3.990155	5.831356	5.686355	5.765503	5.007568	4.922739	4.882136	5.42251	5.428995	5.19777
VPS39	ENSG00000166887	0.72782	6.525498	12.18007	5.71E-10	1.21E-08	12.86379	6.442476	6.440439	6.398948	6.962178	6.980027	7.009506	6.760168	6.683964	6.699824	5.978182	6.081465	5.981981	6.92237	6.779969	6.930942	6.209072	6.220153	6.276563
STAT6	ENSG00000166888	0.233825	7.235245	3.335281	0.003802	0.007441	-3.32688	7.249446	7.260468	7.289174	7.198501	7.327502	7.223902	7.417301	7.315058	7.342282	7.043704	7.019206	6.961308	7.443196	7.435611	7.498409	7.074706	7.176651	7.136749
PATL1	ENSG00000166889	-0.43307	6.914388	-7.8373	4.00E-07	2.51E-06	6.035128	6.606636	6.73102	6.740992	6.489409	6.3444	6.552629	6.906617	6.904661	6.88487	7.394718	7.392416	7.331304	6.821413	6.752581	6.789886	7.376184	7.30889	7.35781
ATP23	ENSG00000166896	-0.2339	2.344654	-2.54522	0.020612	0.033663	-4.08083	2.416107	2.206444	2.351095	2.325974	2.229385	2.374422	2.340763	2.420731	2.274723	2.868884	3.106888	3.101662	2.872818	2.714997	2.618601	2.946659	2.854728	3.107809
ELFN2	ENSG00000166897	-0.72202	3.373348	-8.01138	2.95E-07	1.95E-06	6.551484	1.286899	1.744817	1.78216	1.182548	1.556428	1.623325	0.782422	1.15884	1.171446	6.381872	6.421054	6.484297	5.739109	5.668682	5.668493	6.516799	6.413172	6.259301
STX3	ENSG00000166900	-0.71403	5.362698	-10.2198	8.56E-09	1.04E-07	10.13204	4.707601	4.629503	4.657046	3.977507	3.709312	3.733615	4.19533	4.504423	4.482711	6.958379	6.948409	6.999249	6.249001	6.285244	6.394957	6.313743	6.264477	6.393378
MRPL16	ENSG00000166902	-0.45989	5.58124	-8.00701	2.97E-07	1.96E-06	6.492507	5.797357	5.883735	5.693359	5.156973	5.212855	5.167927	5.672555	5.640007	5.616111	5.707417	5.864171	5.890143	5.52402	5.388576	5.549863	5.824952	5.761087	5.673426
PIP4K2C	ENSG00000166908	0.26121	6.583698	7.984987	3.09E-07	2.02E-06	6.326052	6.474626	6.415023	6.478973	6.710974	6.660839	6.715565	6.33962	6.427182	6.407834	6.565216	6.595838	6.546525	6.860415	6.832416	6.835855	6.65038	6.638913	6.630321
MTMR10	ENSG00000166912	-0.40361	4.23447	-1.5801	0.13201	0.176183	-5.99242	5.370952	5.211553	5.183625	4.821743	4.813207	4.745826	6.264336	6.29959	6.393781	3.376719	3.390227	3.532043	3.24403	3.088026	3.225499	3.16242	2.854728	3.135595
YWHAB	ENSG00000166913	0.24904	8.634522	8.262944	1.91E-07	1.35E-06	6.686396	8.563451	8.570721	8.524629	8.749852	8.71717	8.716173	8.814329	8.845722	8.806922	8.357422	8.344811	8.369304	8.64573	8.711385	8.664982	8.658324	8.698044	8.730369
C15orf48	ENSG00000166920	0.785417	6.033301	3.73216	0.001592	0.003423	-2.31778	6.143557	6.213556	6.097189	6.227533	6.039053	6.106845	6.570057	6.544401	6.634741	4.980776	5.152722	5.245653	6.565317	6.655183	6.679463	5.74914	5.718611	5.713156
TSC22D4	ENSG00000166925	0.266411	5.209183	3.376717	0.003473	0.006848	-3.006	4.95357	4.999934	5.137743	5.142425	5.185395	4.927828	4.926746	4.889176	5.092354	5.055104	5.301333	5.451648	5.609219	5.726134	5.684176	5.600342	5.456227	5.353773
DIS3L	ENSG00000166938	0.041103	5.369999	0.490348	0.629986	0.683337	-7.49353	5.578142	5.637393	5.494882	5.941353	5.87112	5.940258	5.61311	5.656635	5.526952	5.218274	5.254237	5.249309	4.998573	4.974036	5.020346	5.14915	5.054421	5.140638
CCNDBP1	ENSG00000166946	0.643693	5.13202	13.36573	1.31E-10	3.98E-09	14.51213	5.118357	5.214829	5.1197	5.815573	5.723018	5.796796	4.998191	5.228657	5.291723	4.839091	4.758608	4.81613	5.441792	5.412836	5.426825	4.805497	4.687803	4.661156
SMAD3	ENSG00000166949	-1.04478	8.314863	-6.16878	9.11E-06	3.65E-05	2.704143	9.30533	9.232181	9.323687	7.554932	7.546565	7.568906	8.029388	7.988286	8.010459	8.587711	8.571904	8.535319	8.176919	8.082262	8.152111	8.369178	8.354612	8.36742
MAP1A	ENSG00000166963	2.429243	3.386673	8.074296	2.65E-07	1.77E-06	7.134411	4.158957	4.418344	4.388298	6.892894	6.897819	7.053705	6.344198	6.131335	6.143263	1.490718	1.467416	1.439812	1.838325	1.738515	1.667532	1.708352	1.737342	1.322858
RCCD1	ENSG00000166965	-0.36545	4.593282	-5.00329	0.0001	0.000297	0.701181	4.95357	4.791891	4.929803	4.827817	4.662026	4.604407	4.825625	4.753535	4.99996	4.699893	4.739193	4.838143	4.211164	4.363157	4.297823	4.345124	4.559742	4.382594
AKTIP	ENSG00000166971	-0.04979	4.389289	-0.51549	0.612668	0.668369	-7.3464	4.410898	4.412648	4.307715	3.898911	3.808643	3.786958	4.111894	4.09991	4.122646	4.721121	4.620414	4.808717	4.876225	4.907298	4.972896	4.758922	4.73304	4.946447
MAPRE2	ENSG00000166974	0.488521	5.143719	6.670451	3.42E-06	1.57E-05	4.040503	5.075249	5.007511	4.970641	5.759481	5.532753	5.677574	5.272444	5.360361	5.300358	4.977839	4.945274	5.074898	5.392856	5.292003	5.31263	4.823714	4.854006	4.72199
EVA1C	ENSG00000166979	1.414183	3.565139	11.99497	7.26E-10	1.46E-08	12.90843	5.030813	4.897622	5.108765	6.50655	6.415061	6.36892	6.239981	6.232407	6.30432	1.239286	1.265082	1.562415	2.112949	2.363215	2.014873	1.833493	1.795362	2.033602
MARS1	ENSG00000166986	-0.44972	8.521382	-6.7796	2.78E-06	1.31E-05	3.919363	8.755461	8.706981	8.68721	7.964231	8.078949	8.067382	8.67002	8.610786	8.658246	8.728673	8.645666	8.716401	8.474647	8.418647	8.459592	8.59433	8.593335	8.628326
MBD6	ENSG00000166987	0.08789	5.88528	1.084033	0.293078	0.354566	-7.11287	5.708461	5.736477	5.933314	5.927278	6.015855	5.875244	6.187456	6.147896	6.323509	5.904318	5.853677	5.848577	5.970627	5.839488	5.872388	5.736375	5.780968	5.726921
CNPY4	ENSG00000166997	1.416678	1.832572	9.528181	2.44E-08	2.45E-07	9.464482	1.826927	2.179863	2.351095	3.342644	3.630051	3.523386	2.480375	2.290412	2.643847	1.278001	1.588084	1.413989	2.25569	2.21055	2.18129	1.627702	1.851139	1.703111
PDIA3	ENSG00000167004	0.604848	9.465237	11.72405	1.04E-09	1.96E-08	12.07806	9.671775	9.700892	9.669133	10.43084	10.28856	10.37578	10.02866	10.07374	10.09935	8.532242	8.530385	8.526685	9.018029	9.095493	9.041562	9.107675	9.086172	9.139211
NUDT21	ENSG00000167005	0.543763	7.218175	8.295772	1.81E-07	1.29E-06	6.837459	6.299965	6.384795	6.395953	6.90874	6.940877	6.988027	7.467464	7.555694	7.529277	7.096779	7.108922	7.146176	7.612313	7.631101	7.611632	7.82022	7.770966	7.849156
NKX3-1	ENSG00000167034	-1.12954	3.837478	-10.4287	6.30E-09	8.13E-08	10.69157	4.226185	3.99909	4.050156	3.21869	3.207016	3.419122	3.388228	3.40015	3.162566	4.839091	4.827642	4.753161	3.768	3.453829	3.707028	4.54867	4.559742	4.510131
SGSM1	ENSG00000167037	-0.34774	-0.0562	-1.24932	0.228019	0.284111	-5.5098	1.602421	1.708084	1.744977	1.519216	1.437317	1.250575	1.917967	2.147141	1.777424	0.88529	0.462741	0.54756	0.352262	0.7293	0.651457	0.393424	0.637375	0.580851
DUSP18	ENSG00000167065	0.641776	2.143665	4.89111	0.000128	0.000366	1.002006	2.917019	2.674627	2.579475	3.359513	3.093416	3.216292	2.480375	2.777669	2.34318	1.732907	2.155072	1.780195	2.439743	2.269709	2.574402	1.970607	1.851139	2.174206
TEF	ENSG00000167074	0.087033	3.491343	1.053506	0.306456	0.368902	-6.75698	2.780548	2.49222	2.830836	3.123142	3.188693	3.136338	3.094248	3.214961	2.82232	4.20268	4.23323	4.32118	4.126992	4.303069	4.223448	4.485232	4.414575	4.416967
PBX3	ENSG00000167081	0.071503	4.210942	0.837961	0.413365	0.478392	-7.07888	3.792713	3.872022	3.688245	4.152252	4.284653	4.053927	3.66196	3.999201	4.042563	4.592639	4.517806	4.635187	4.454245	4.569504	4.512148	4.793224	4.769683	4.865793
PHB	ENSG00000167085	-0.3284	7.89736	-8.12022	2.44E-07	1.65E-06	6.479487	8.340768	8.294247	8.333565	7.831478	7.962448	7.874486	8.129569	8.039901	8.079182	7.855835	7.74814	7.856353	7.634621	7.575526	7.570501	7.74136	7.691551	7.707074
SNRPD1	ENSG00000167088	-0.68422	6.459927	-8.61005	1.07E-07	8.33E-07	7.455309	7.03466	7.055514	6.951481	5.988204	6.031362	6.038106	6.489704	6.649488	6.711201	6.549478	6.578646	6.655912	6.140739	6.232939	6.194185	6.437198	6.453147	6.397688
PIP5KL1	ENSG00000167103	0.719142	2.234422	5.388704	4.46E-05	0.000146	1.885188	1.959273	1.670392	2.221741	2.291228	2.660129	1.993763	1.160105	1.760835	1.962896	2.790717	2.980302	2.796562	3.640803	3.544454	3.494191	3.171932	2.947209	3.050576
TMEM92	ENSG00000167105	0.592264	1.521866	2.525148	0.021487	0.034955	-3.903	1.430644	2.009193	1.706811	1.256461	1.437317	1.188496	1.917967	2.147141	1.873138	1.676063	1.752042	1.759838	2.902055	2.50126	2.433049	2.448672	2.711397	2.81313
FAM102A	ENSG00000167106	-0.42662	6.582789	-5.12197	7.80E-05	0.000238	0.620053	6.78444	6.843256	6.831347	6.257092	6.274449	6.27683	5.872748	5.859858	5.809985	7.151884	7.005728	7.118463	6.83411	6.735195	6.751531	6.780427	6.820157	6.773159
ACSF2	ENSG00000167107	1.068811	3.861428	8.432993	1.43E-07	1.07E-06	7.409772	3.011517	2.90305	2.99819	3.083078	2.970101	3.119801	3.027514	3.122225	3.044176	4.391063	4.532919	4.494431	5.74987	5.764345	5.706532	4.55958	4.648991	4.602629
GOLGA2	ENSG00000167110	0.548778	6.336584	9.067578	5.05E-08	4.47E-07	8.226468	5.779563	5.82919	5.918779	6.578559	6.660839	6.609997	6.161755	6.191911	6.265158	6.294879	6.384029	6.358792	6.71903	6.704257	6.701035	6.409322	6.355279	6.473133
TRUB2	ENSG00000167112	0.066018	6.382682	1.031509	0.316366	0.37942	-7.24995	6.303082	6.276063	6.24932	6.112826	6.230343	6.148201	6.369117	6.239047	6.325625	6.567171	6.465052	6.547268	6.729941	6.691694	6.747389	6.353992	6.40737	6.447035
COQ4	ENSG00000167113	0.122752	5.452066	2.733177	0.013909	0.023702	-4.39995	5.217507	5.272573	5.316288	5.384166	5.454395	5.253794	5.032629	5.078784	5.207006	5.671517	5.625972	5.804535	5.853284	5.826412	5.849389	5.694092	5.6177	5.593031
SLC27A4	ENSG00000167114	-0.11586	5.724358	-1.23208	0.234239	0.291123	-6.94738	5.443372	5.318988	5.3383	5.491368	5.661235	5.605169	5.490461	5.344028	5.216162	6.151081	6.068559	6.198812	5.903542	5.83623	5.726866	6.360246	6.269604	6.132312
URM1	ENSG00000167118	-0.09594	6.834562	-2.71109	0.014572	0.024708	-4.60825	6.795549	6.840077	6.755086	6.660819	6.763447	6.649416	6.55434	6.405702	6.571941	7.160975	7.094988	7.178648	7.069756	7.03923	7.068748	6.947571	6.848696	6.853786
CERCAM	ENSG00000167123	1.545649	5.790514	12.52388	3.68E-10	8.47E-09	13.40543	5.53637	5.507143	5.623372	6.585745	6.749451	6.626187	6.244885	6.065615	6.204348	4.707004	4.669105	4.554757	6.616927	6.554701	6.489229	5.375946	5.336761	5.329918
DOLPP1	ENSG00000167130	0.327819	4.984418	2.053635	0.055285	0.081413	-5.57143	3.952119	3.628412	3.783005	4.772209	4.807214	4.979151	5.502797	5.323347	5.220718	5.24783	5.35971	5.322271	5.210117	5.263181	5.210438	5.731559	5.665153	5.671054
ENDOG	ENSG00000167136	0.081181	4.383398	1.288017	0.214532	0.269167	-6.58876	4.473109	4.691972	4.706239	4.647264	4.733289	4.622128	4.4712	4.519046	4.66091	4.119853	4.181422	4.331562	4.305359	4.367677	4.311352	4.442647	4.304002	4.280507
PRRX2	ENSG00000167157	0.346484	-0.84735	1.55378	0.138157	0.183201	-5.10404	3.19722	3.182839	3.522358	3.605613	3.878897	3.485165	3.474265	3.214961	3.668646	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
C15orf39	ENSG00000167173	-0.10551	6.642868	-0.70052	0.492826	0.555414	-7.57555	6.188076	6.234694	6.364121	6.776816	6.85634	6.740116	6.182352	5.962395	5.970082	7.235404	7.166381	7.265592	6.768817	6.572431	6.623624	7.078504	6.918076	6.945926
SP2	ENSG00000167182	0.002651	4.799309	0.043797	0.965563	0.971497	-7.51522	4.925527	5.05216	4.970641	4.93299	4.795153	4.803913	5.162706	4.960553	5.160337	4.678347	4.665681	4.684621	4.766576	4.80769	4.79173	4.780845	4.769683	4.632189
PRR15L	ENSG00000167183	0.9708	-0.31487	11.05499	2.58E-09	3.97E-08	11.67603	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.45483	3.517242	3.439082	4.512278	4.344933	4.338034	3.366734	3.422593	3.328509
COQ7	ENSG00000167186	0.010039	4.335162	0.13052	0.897645	0.916499	-7.31178	5.093368	5.188404	5.251481	5.15214	5.1432	5.155812	5.29153	5.348128	5.367637	3.446357	3.682218	3.759253	3.623353	3.703092	3.767168	3.455083	3.595851	3.530388
GPRC5B	ENSG00000167191	0.161903	1.249916	1.050572	0.307765	0.370228	-6.07628	1.959273	1.947501	2.194417	2.21912	2.155834	2.064596	1.70672	1.549165	1.445026	1.457372	1.616737	1.631268	1.755315	1.846087	1.488568	1.65509	1.766644	1.58715
CRK	ENSG00000167193	-0.26231	7.086236	-6.82384	2.55E-06	1.23E-05	4.129158	7.657674	7.698163	7.670669	7.342274	7.325407	7.362132	7.821884	7.773353	7.758062	6.649755	6.626102	6.666886	6.491098	6.454151	6.435675	6.666451	6.683765	6.679522
FBXO22	ENSG00000167196	-0.30375	6.236853	-6.33446	6.57E-06	2.76E-05	3.231861	6.783324	6.877775	6.795426	6.33805	6.375108	6.408603	6.540447	6.558627	6.607167	6.062376	5.955333	6.030584	5.878019	5.826412	5.860167	5.914083	5.946952	5.870258
TBC1D2B	ENSG00000167202	-0.48901	5.168377	-8.86172	7.05E-08	5.91E-07	8.00518	4.730936	4.897622	4.686762	4.152252	4.343809	4.241401	4.520565	4.657666	4.700591	6.010153	5.996798	5.93282	5.612171	5.4665	5.507395	6.170447	6.110153	6.118454
HDHD2	ENSG00000167220	0.026151	4.923636	0.373088	0.713569	0.759801	-7.50186	4.659767	4.756352	4.879222	4.845887	4.888929	4.662649	4.950956	4.819999	4.956916	5.138995	5.265591	5.176304	5.166607	5.246098	5.217641	4.942395	5.075063	4.853297
ZNF91	ENSG00000167232	0.406697	1.910997	4.630999	0.000223	0.000601	0.00816	0.667115	1.002471	0.898566	0.52061	0.730585	0.563119	0.886508	0.824004	0.515351	4.417313	4.447768	4.379049	4.931624	4.774033	4.885155	4.515433	4.455636	4.347382
IGF2	ENSG00000167244	0.367009	-0.85713	1.268461	0.221269	0.276693	-5.68179	0.318509	0.316291	0.421314	0.635873	0.389229	0.2349	0.106501	0.387194	0.106501	1.52331	0.986408	1.277453	1.524131	1.495836	1.456457	1.387593	1.406038	1.58715
RNF214	ENSG00000167257	-0.12575	4.810253	-2.09397	0.051128	0.075951	-5.52122	4.816318	4.495815	4.696533	4.254996	4.335505	4.330328	4.339849	4.316298	4.339245	5.319175	5.34694	5.399966	5.370368	5.399654	5.290032	5.144327	5.193075	5.1812
CDK12	ENSG00000167258	-0.17624	7.38288	-5.04436	9.20E-05	0.000275	0.4068	7.503616	7.52221	7.545831	7.395385	7.368776	7.458163	7.626231	7.65006	7.632899	7.411139	7.350914	7.306079	7.116758	7.115118	7.140609	7.297987	7.279969	7.331773
DUS2	ENSG00000167264	-0.90252	4.865282	-7.98949	3.07E-07	2.01E-06	6.592853	5.895619	5.912273	5.826129	4.555081	4.795153	4.707606	4.845133	4.825892	5.057123	4.936085	4.899366	5.005268	4.287006	4.372183	4.440084	4.717304	4.617172	4.832225
POP5	ENSG00000167272	0.533495	4.688022	9.302946	3.47E-08	3.27E-07	8.826495	4.10996	4.360345	4.332993	4.851861	4.905853	4.997371	4.6145	4.722281	4.549426	4.652797	4.692848	4.748003	5.182581	5.076992	5.103047	4.891489	4.826442	4.806527
ENGASE	ENSG00000167280	0.497052	4.629472	5.757972	2.08E-05	7.46E-05	2.194563	3.349713	3.222448	3.359697	4.325376	4.392653	4.233737	3.80164	3.506713	3.844255	5.422146	5.579421	5.416316	5.79343	5.766058	5.787815	5.55381	5.657352	5.65194
ATP5MG	ENSG00000167283	-0.06968	7.074849	-1.54116	0.141189	0.186597	-6.67858	7.129899	7.09961	6.999632	7.047933	7.023321	7.112348	7.172906	7.288631	7.224726	7.168078	7.108291	7.107428	6.988605	6.997549	7.037208	7.038118	6.993597	7.008313
TBC1D16	ENSG00000167291	0.624069	6.056732	5.903124	1.55E-05	5.81E-05	2.317347	4.620325	4.50655	4.55869	5.740289	5.899563	5.702775	5.167879	4.976535	5.010523	6.841273	6.908408	6.809266	7.21856	7.162062	7.174315	7.11471	7.115332	7.008313
TEPSIN	ENSG00000167302	0.561437	4.415662	6.093603	1.06E-05	4.16E-05	3.006027	4.375799	4.342481	4.441562	4.654117	4.668652	4.393601	4.420085	4.474723	4.444269	4.146251	4.152359	4.201752	5.016508	4.811013	5.000996	4.469892	4.367537	4.347382
MYO5B	ENSG00000167306	0.085394	5.049024	0.627192	0.538641	0.599693	-7.50754	4.265068	4.150501	4.249168	3.123142	3.207016	2.961768	3.219115	3.318907	2.937508	6.723489	6.676308	6.673703	7.023944	7.016382	7.078671	6.572622	6.616959	6.520007
ACAA2	ENSG00000167315	-0.23315	4.339993	-2.67794	0.015625	0.026281	-4.04902	5.970071	5.898074	5.957896	5.839819	5.719831	5.90932	6.108939	5.996758	6.031013	3.196464	3.166245	3.203153	2.694919	2.596763	2.743612	3.063688	2.95995	3.162857
STIM1	ENSG00000167323	0.113228	5.451946	1.588232	0.130159	0.173973	-6.43985	5.5935	5.557053	5.41428	5.375899	5.317749	5.30589	4.974767	5.07384	5.102264	5.632834	5.592102	5.622036	5.916734	5.940035	5.940717	5.467617	5.549795	5.374327
RRM1	ENSG00000167325	-1.27683	6.120656	-8.20596	2.11E-07	1.46E-06	6.830376	6.830535	6.8891	6.753917	6.120268	6.187154	6.16038	6.610516	6.814177	6.69	6.453384	6.394409	6.441801	4.555854	4.588991	4.663983	6.127097	6.225439	6.116712
TRIM68	ENSG00000167333	0.024385	3.139208	0.264724	0.794318	0.829008	-7.02176	3.633432	3.732673	3.947516	3.827958	3.832443	3.689474	3.719464	3.685883	3.681923	2.843296	2.865607	2.911754	2.760241	2.985883	3.010124	2.625227	2.696248	3.107809
FN3K	ENSG00000167363	-0.04742	3.848665	-0.60808	0.550952	0.610868	-7.11548	3.944154	3.99909	3.987862	3.791129	4.040879	4.009735	3.733489	3.913244	4.063004	3.87036	3.860515	4.059098	4.068019	3.846002	3.713835	4.042177	4.059571	4.080593
IRGQ	ENSG00000167378	-0.12654	5.329055	-2.30649	0.033572	0.052076	-5.19099	5.575566	5.627592	5.790077	5.472108	5.539998	5.435149	5.193472	5.281075	5.092354	5.389369	5.419887	5.38509	5.394571	5.280064	5.290032	5.215041	5.006099	5.201061
ZNF226	ENSG00000167380	0.174402	4.331617	2.169658	0.044087	0.066363	-5.28196	4.226185	4.14364	4.195052	4.236852	3.832443	4.018682	3.953155	3.946081	4.08316	4.600298	4.616873	4.557708	4.91976	4.919664	4.920894	4.537676	4.829917	4.771534
ZNF180	ENSG00000167384	0.75765	3.311216	5.861994	1.69E-05	6.24E-05	2.795081	2.345296	2.448351	2.351095	3.57705	3.643567	3.523386	3.953155	3.711575	3.437684	3.17611	3.381904	3.180357	3.60569	3.606961	3.727354	4.280646	4.140146	4.341429
ZNF668	ENSG00000167394	-0.15351	4.244518	-1.87614	0.077438	0.109888	-5.70462	4.630287	4.663476	4.844488	4.392481	4.668652	4.34463	4.520565	4.166444	4.45204	4.071084	4.195737	4.300188	4.218931	4.034047	4.139984	4.222335	3.992947	3.945834
ZNF646	ENSG00000167395	-0.09509	5.205388	-1.54686	0.139812	0.185035	-6.46133	5.304069	5.188404	5.3383	5.236746	4.950037	4.979151	4.80585	4.670823	4.732845	5.493793	5.56479	5.587799	5.631211	5.423729	5.570637	5.351042	5.322033	5.277879
VKORC1	ENSG00000167397	0.444529	2.889603	3.103481	0.006296	0.011703	-2.92547	3.530804	3.439663	3.466347	4.227693	3.99943	4.194794	3.66196	3.773871	3.957772	2.320032	2.320972	2.198406	2.28558	2.21055	2.399663	2.568742	2.868308	2.48622
SMG8	ENSG00000167447	-0.94522	5.773821	-11.2165	2.06E-09	3.30E-08	11.60959	6.282699	6.206989	6.262537	4.851861	5.003429	4.992837	5.801308	5.851216	5.703339	6.326388	6.186741	6.258977	5.558094	5.59927	5.594809	5.971038	5.906389	6.083215
TPM4	ENSG00000167460	-0.04909	9.297747	-0.76907	0.45212	0.516236	-7.69562	9.60767	9.602689	9.5827	9.276884	9.314433	9.301509	9.647196	9.630004	9.684631	8.914649	8.866604	8.96171	9.067121	9.117298	9.137402	9.239321	9.231336	9.219708
RAB8A	ENSG00000167461	-0.04433	5.854528	-1.04226	0.311494	0.374208	-7.15058	5.895619	5.887846	5.884996	5.92161	5.910785	5.699996	6.111626	6.030322	5.956488	5.785068	5.727989	5.818136	5.75121	5.731404	5.738596	6.031066	6.027836	5.932963
GPX4	ENSG00000167468	0.09789	7.945558	1.757341	0.096361	0.133483	-6.42676	7.785201	7.773428	7.893034	7.968361	8.219263	7.940122	7.878992	7.806514	7.929975	8.034983	7.947757	8.141666	8.042789	8.023321	8.015529	7.986774	7.907536	7.833866
MIDN	ENSG00000167470	-0.12484	7.068751	-1.15073	0.265342	0.325182	-7.17572	7.063438	7.050938	7.107019	7.373752	7.395984	7.325645	7.229669	7.048944	7.257245	7.054197	7.108922	7.246973	6.619129	6.647769	6.661969	7.200861	7.071243	6.976016
KLHL26	ENSG00000167487	0.521491	4.078065	3.473695	0.002808	0.005677	-2.40508	4.740165	4.446492	4.734969	5.329563	5.651233	5.373711	5.238424	5.348128	5.404147	3.196464	3.146729	3.400153	3.236398	3.120528	3.137101	3.39949	3.287607	3.149291
GATAD2A	ENSG00000167491	-0.28371	6.633007	-4.66157	0.000209	0.000567	-0.37476	6.787781	6.649821	6.770202	6.206709	6.310908	6.178459	6.402418	6.403733	6.373466	6.854942	6.855293	6.983424	6.861035	6.742175	6.767977	6.853177	6.843549	6.822074
MVD	ENSG00000167508	0.093747	4.407799	1.199068	0.246506	0.304535	-6.72901	4.345883	4.452056	4.44736	4.254996	4.392653	4.337497	4.637058	4.397684	4.45204	4.391063	4.439772	4.629588	4.818614	4.54975	4.684921	4.54867	4.460128	4.341429
CDT1	ENSG00000167513	-1.86955	4.753635	-7.62921	5.79E-07	3.44E-06	6.044922	5.282121	5.309824	5.47515	4.43289	4.70778	4.233737	5.233498	5.078784	5.424038	5.274401	5.307937	5.504604	3.116795	2.863205	2.833866	5.655626	5.629711	5.483771
TRAPPC2L	ENSG00000167515	-0.01601	5.29045	-0.23063	0.820282	0.851055	-7.61657	4.945613	5.011285	5.197454	5.26388	5.36339	5.313181	5.071794	5.093515	5.112107	5.598832	5.5776	5.726697	5.455005	5.379652	5.473701	5.440329	5.465192	5.423057
ANKRD11	ENSG00000167522	-0.36	7.411696	-4.39742	0.00037	0.00094	-0.99889	8.010247	7.979636	8.077737	7.332696	7.401961	7.390843	7.972133	7.924493	8.009143	7.04721	7.102605	7.090207	7.066532	6.978466	6.97198	7.084811	7.102461	7.031608
SPATA33	ENSG00000167523	0.085229	3.648233	0.99561	0.333025	0.396694	-6.76613	3.454357	3.846899	3.773804	3.944346	4.081169	3.807755	3.761137	3.535768	3.468658	3.716784	3.907656	3.804677	3.714069	3.779712	3.86826	3.678389	3.842828	3.753014
RSKR	ENSG00000167524	0.106415	2.115807	0.50386	0.620651	0.675423	-6.79816	1.959273	1.915637	1.954926	2.577385	2.737798	3.051692	1.966276	1.945386	1.564539	2.894025	3.076267	2.546206	2.529911	2.398985	2.647333	2.479639	2.799093	2.896697
PROCA1	ENSG00000167525	0.386657	0.141081	1.150286	0.265522	0.325319	-5.63956	1.602421	1.551021	1.921989	2.255624	2.264801	2.22781	1.917967	2.069791	2.274723	0.834246	0.748206	0.34382	0.294634	0.612281	0.593579	0.393424	0.759002	0.580851
RPL13	ENSG00000167526	0.067283	9.870414	1.624273	0.122214	0.164774	-6.74621	10.03414	10.0852	10.12747	10.07593	10.1768	9.961997	9.977649	9.968621	10.03079	9.581948	9.635654	9.676201	9.710554	9.816003	9.800017	9.738309	9.685545	9.613606
ZNF641	ENSG00000167528	0.822187	1.739318	3.119606	0.00608	0.011331	-2.57711	3.408783	3.450822	3.443319	3.827958	3.844198	4.036412	4.011872	3.868266	3.655245	0.54782	0.799097	0.499259	1.548989	1.681564	1.550722	0.789161	0.816175	1.115245
CACNB3	ENSG00000167535	1.92013	2.42662	14.05954	5.80E-11	2.18E-09	15.24584	1.990546	2.125186	2.274882	3.80351	3.988879	3.776446	3.490873	3.141256	3.162566	1.586365	1.699433	1.877881	3.281595	3.032175	3.167173	2.095813	2.233409	2.252429
DHRS13	ENSG00000167536	0.240406	2.740575	1.284128	0.215859	0.270665	-6.20725	1.791852	1.915637	1.706811	2.766336	3.053471	2.845893	3.277716	2.702788	3.199964	3.265521	3.204502	3.373604	3.141522	3.098942	2.98783	3.658228	3.808018	3.698167
TP53I13	ENSG00000167543	-0.05892	5.035451	-0.68712	0.501022	0.563269	-7.32248	5.343965	5.398948	5.423134	5.132645	5.317749	4.937296	5.233498	5.192623	5.211591	4.769473	4.848932	5.045767	5.107173	5.020703	4.894173	5.02081	4.92395	4.632189
KMT2D	ENSG00000167548	-0.62179	7.555479	-5.90267	1.55E-05	5.81E-05	2.21554	7.789653	7.773984	8.06742	6.97455	7.160092	7.485043	8.016541	7.71342	7.855028	7.857034	8.038246	7.516364	7.260082	7.148336	7.243575	7.497458	7.363851	7.38411
CORO6	ENSG00000167549	0.41302	1.038051	2.346978	0.030939	0.048329	-4.17872	1.719036	1.708084	1.202741	1.578054	1.768674	1.526279	1.074544	1.549165	1.314712	1.814181	1.899254	1.60868	2.209661	2.084417	2.220059	1.099384	1.645686	1.58715
RHEBL1	ENSG00000167550	-1.91985	0.095331	-8.32432	1.72E-07	1.23E-06	7.471968	1.336422	0.940485	1.256574	0.52061	0.512209	0.3528	1.074544	1.001115	1.01237	1.76051	1.989662	1.969371	1.121891	0.888753	0.470356	1.354562	1.707432	1.58715
TUBA1A	ENSG00000167552	2.989134	6.578624	28.37706	4.57E-16	8.14E-13	27.07335	6.063102	6.156761	6.115514	9.343846	9.266099	9.221427	6.903519	7.009356	6.961728	4.472601	4.627471	4.382382	7.237321	7.117804	7.193315	5.546516	5.623718	5.612936
TUBA1C	ENSG00000167553	-0.70743	8.874911	-6.01284	1.24E-05	4.80E-05	2.365796	9.469357	9.410307	9.395181	8.960427	9.003569	8.90293	9.142646	9.185857	9.134508	8.898822	8.724505	8.818351	7.916551	7.888274	7.843856	9.072876	8.987735	9.053729
ZNF610	ENSG00000167554	0.820803	2.439633	6.193655	8.67E-06	3.51E-05	3.509475	2.051128	2.308123	2.194417	1.888135	2.366112	2.346268	2.26554	1.85606	1.918715	3.024981	3.044983	2.806521	3.956313	3.878039	3.904416	3.083983	3.022017	3.021085

ZNF528	ENSG00000167555	0.848095	3.876959	12.01125	7.11E-10	1.44E-08	12.76453	1.861169	1.849715	1.706811	2.063099	1.817192	1.669505	2.226405	2.147141	2.005764	5.806744	5.925581	5.684119	6.710792	6.718483	6.671617	6.34456	6.431584	6.451187
ZNF701	ENSG00000167562	0.308836	2.642093	4.606181	0.000235	0.00063	-0.00979	1.475543	1.591918	1.54317	1.519216	1.437317	1.575618	1.762502	1.605065	1.727075	4.281009	4.186209	4.220495	4.670733	4.565575	4.431851	4.315393	4.323851	4.45606
SERTAD3	ENSG00000167565	0.146093	4.472382	1.520652	0.146232	0.192351	-6.32942	4.569455	4.429669	4.314076	5.077635	4.842803	4.864722	4.367093	4.324646	4.459769	4.592639	4.521599	4.721931	4.601127	4.541772	4.368551	4.450484	4.273707	4.376785
NCKAP5L	ENSG00000167566	1.03095	4.093954	7.251602	1.15E-06	6.19E-06	5.332239	3.011517	3.155816	3.190238	4.171485	4.284653	3.858473	4.528631	4.157125	4.122646	4.125171	4.200477	4.186581	5.190502	5.107039	5.095248	4.374256	4.318914	4.286716
RAB4B	ENSG00000167578	0.378384	1.709388	2.319373	0.032712	0.050854	-4.26204	2.165157	2.513665	2.966237	2.740812	2.970101	3.051692	2.513265	2.184314	2.274723	1.52331	1.55885	1.986992	1.838325	1.993753	1.851631	1.387593	1.513652	1.461048
PROSER3	ENSG00000167595	0.155195	3.947686	1.621309	0.122851	0.165478	-6.09885	4.09565	4.058659	3.947516	4.072648	3.6964	4.146631	3.80164	3.232814	3.681923	4.082065	4.353024	4.071539	4.49639	4.349511	4.423569	4.072963	3.992947	4.203832
CYP2S1	ENSG00000167600	1.033495	3.762108	7.901946	3.57E-07	2.28E-06	6.56325	3.142584	2.886707	2.883112	4.532944	4.70778	4.440963	3.33403	3.214961	3.254305	3.962373	3.947677	4.100159	4.782385	4.634714	4.543056	3.854102	3.916575	3.679412
AXL	ENSG00000167601	-0.74212	3.713598	-5.84777	1.73E-05	6.39E-05	2.834243	5.814934	5.768048	5.683566	4.927344	4.922581	4.824468	5.193472	5.327507	5.383978	2.444376	2.42184	2.497858	2.25569	2.23054	2.312654	2.77004	2.552239	2.629903
NFKBID	ENSG00000167604	-0.96189	2.002445	-4.36998	0.000393	0.000991	-0.09874	3.236881	2.9974	3.190238	1.74141	1.768674	1.422231	2.303642	2.420731	2.202855	2.338465	2.561038	2.328504	2.209661	2.21055	2.036756	2.300453	2.410923	2.668457
TMC4	ENSG00000167608	0.670358	4.776038	4.668	0.000206	0.000559	-0.27842	3.633432	3.638208	3.533304	2.714828	2.991399	2.675323	2.058296	1.85606	1.918715	6.762407	6.832571	6.84171	7.736875	7.665926	7.674485	6.636707	6.730057	6.585692
LENG8	ENSG00000167615	0.267388	6.661179	3.373774	0.003495	0.006888	-3.20575	6.681605	6.657066	6.894257	6.918734	6.791038	6.885376	6.269158	6.128954	6.508148	6.550467	6.904782	6.550234	7.091599	7.004096	7.060093	6.233123	6.471059	6.570503
ZNF526	ENSG00000167625	-0.05417	4.305661	-0.69244	0.497758	0.560396	-7.20974	4.02189	4.101775	4.174224	4.350907	4.360275	4.146631	4.034706	3.879643	4.011347	4.674725	4.651904	4.665597	4.565023	4.472117	4.444184	4.739863	4.81246	4.744721
TRAPPC9	ENSG00000167632	0.461462	5.647122	7.103741	1.51E-06	7.80E-06	4.802782	5.506933	5.418975	5.486458	6.164136	6.159196	6.144119	5.733141	5.525174	5.663734	5.518254	5.430014	5.629067	5.805085	5.77289	5.789427	5.461813	5.491756	5.486471
ZNF146	ENSG00000167635	-0.15917	7.549526	-2.85222	0.010804	0.018909	-4.37381	7.57111	7.640849	7.510262	7.215974	7.161267	7.242162	7.459048	7.537853	7.477869	7.666372	7.681042	7.68273	7.663364	7.719513	7.701279	7.678938	7.663103	7.762704
ZNF283	ENSG00000167637	0.644536	3.737854	5.333622	5.00E-05	0.000162	1.493681	3.262728	3.248262	3.24453	3.21869	3.225109	3.306732	3.440463	3.646467	3.254305	4.13575	4.162112	4.025385	4.941045	4.872735	4.992623	4.203908	4.128907	4.073428
PPP1R14A	ENSG00000167641	0.417183	1.720273	2.777004	0.012677	0.021825	-3.74749	1.010037	1.002471	1.202741	1.457877	1.307481	1.250575	1.074544	0.622068	0.735084	2.943032	3.250939	3.432666	3.581798	3.710228	3.509921	3.854102	3.974229	3.387478
SPINT2	ENSG00000167642	0.511822	6.255725	5.653318	2.58E-05	8.99E-05	1.746532	4.339825	4.12982	4.095173	5.004446	5.104628	4.869675	3.866715	3.90213	4.00079	7.938969	7.99149	8.043243	8.358164	8.449891	8.434055	8.348357	8.247946	8.218662
YIF1B	ENSG00000167645	-0.35023	5.19133	-5.43987	4.01E-05	0.000133	1.541896	5.650902	5.610278	5.65879	5.222985	5.557954	5.331249	5.628203	5.539589	5.680369	5.043915	5.027603	5.121514	4.701546	4.707838	4.577054	5.237862	4.993761	4.902646
DNAAF3	ENSG00000167646	0.264241	1.75558	1.810052	0.087516	0.122505	-5.35345	1.642349	1.118985	1.499186	2.255624	1.996426	1.840725	1.317361	1.301009	1.244857	2.693825	2.701418	2.796562	2.770846	2.756951	2.870883	2.957699	2.854728	2.84714
PSCA	ENSG00000167653	-0.06917	2.690748	-0.25822	0.799255	0.832635	-7.19095	3.19722	3.260998	2.848472	1.519216	1.307481	0.830331	1.867984	1.658879	2.047395	3.962373	3.767745	4.059098	4.359059	4.372183	4.364231	3.651445	3.520448	3.421736
LY6D	ENSG00000167656	-0.0062	-0.1063	-0.03723	0.97072	0.975583	-6.9719	0.318509	0.316291	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.256032	3.036317	3.269103	3.312021	3.303673	3.375198	3.272365	3.493521	3.659719	3.267027
DAPK3	ENSG00000167657	0.160678	5.463533	1.848528	0.081517	0.114955	-6.03631	5.465799	5.567343	5.610509	5.456512	5.651233	5.283793	5.015513	4.955186	5.092354	5.46891	5.504735	5.680063	5.995707	5.834598	5.826017	5.672477	5.482955	5.391714
EEF2	ENSG00000167658	-0.09379	10.90376	-2.52811	0.021355	0.034762	-5.22023	11.42073	11.41408	11.47639	11.22446	11.33027	11.17702	11.35392	11.33665	11.37098	10.46329	10.43496	10.51021	10.50585	10.46763	10.45704	10.45887	10.46743	10.41261
CHAF1A	ENSG00000167670	-1.71752	4.710565	-7.41289	8.55E-07	4.79E-06	5.621164	5.045778	4.95753	4.974661	4.3081	4.529983	4.427589	5.043928	5.068879	5.131593	5.491736	5.516188	5.576204	3.066031	3.445301	3.064395	5.559256	5.353756	5.450971
UBXN6	ENSG00000167671	0.655193	6.137481	10.51748	5.54E-09	7.38E-08	10.5392	5.870624	5.831327	5.988045	6.325226	6.504813	6.3759	6.114309	6.053109	6.121501	5.818282	5.757239	6.06106	6.68088	6.619621	6.621816	6.096208	6.03538	5.985442
HDGFL2	ENSG00000167674	-0.0086	4.930692	-0.11264	0.911599	0.927687	-7.59294	4.981078	4.913842	4.892035	4.612502	4.825118	4.662649	4.428731	4.365678	4.364168	5.193173	5.196089	5.351474	5.356354	5.438844	5.33267	5.312861	5.269267	5.147478
SEMA6B	ENSG00000167680	0.142771	3.051086	0.615755	0.545992	0.606171	-6.75671	4.252223	4.223893	4.406272	4.375995	4.478119	4.30129	3.828023	3.633086	3.935772	1.940223	1.945166	2.152295	2.096181	2.307842	2.365487	2.946659	2.908298	2.668457
ZNF444	ENSG00000167685	0.165929	4.836993	2.17072	0.043994	0.066238	-5.39831	4.543331	4.624584	4.574673	4.400654	4.455308	4.372816	4.068294	4.157125	4.313883	5.198228	5.233573	5.344656	5.609219	5.558335	5.583703	5.380055	5.426702	5.204345
NXN	ENSG00000167693	-0.33719	5.93165	-6.01898	1.23E-05	4.75E-05	2.61517	6.086809	6.094084	6.113692	5.946944	5.879712	6.015936	6.079044	6.085402	6.101877	6.051244	6.086595	6.199757	5.696635	5.589628	5.598492	5.859209	5.896482	5.828306
TLCD3A	ENSG00000167695	-0.07203	5.391928	-0.42191	0.678234	0.72684	-7.51724	5.655787	5.637393	5.46661	6.069909	5.941203	6.051247	5.482179	5.673074	5.548858	5.242946	5.113047	5.227237	4.670733	4.67539	4.677975	5.570088	5.633692	5.380146
GLOD4	ENSG00000167699	-0.10146	5.956886	-2.73079	0.013979	0.02381	-4.40802	6.56958	6.540462	6.578763	6.452541	6.486179	6.523066	6.57201	6.680716	6.703084	5.435051	5.391149	5.421185	5.233307	5.331874	5.305888	5.455985	5.458474	5.552378
MFSD3	ENSG00000167700	0.547492	4.888444	7.789188	4.36E-07	2.70E-06	6.208546	4.590018	4.856254	4.879222	5.272812	5.36339	5.246196	5.178171	4.77806	5.112107	4.451587	4.606195	4.66833	5.130006	5.032138	5.188613	4.96719	4.870969	4.708177
KIFC2	ENSG00000167702	1.335262	4.463929	21.6954	4.41E-14	1.26E-11	22.56121	3.337603	3.323044	3.707702	4.540361	4.648682	4.427589	3.507292	3.431409	3.453254	4.68196	4.758608	4.679211	6.10661	6.022609	6.067042	4.900099	5.104049	5.084719
SLC43A2	ENSG00000167703	0.481734	3.280397	3.767033	0.001474	0.003194	-1.79456	3.071243	2.982098	3.347346	3.77864	4.091068	3.91707	2.446718	2.650616	2.670735	3.576295	3.569479	3.685623	3.90909	3.884362	3.843644	3.685048	3.32748	3.398988
RILP	ENSG00000167705	-0.09074	1.850169	-0.5838	0.566813	0.625969	-6.59793	2.438959	2.693541	2.300736	1.933905	2.155834	2.132113	1.917967	2.357042	2.127218	2.078238	2.032826	1.969371	2.079215	2.127698	2.34809	2.448672	2.410923	2.374055
WDR81	ENSG00000167716	0.450006	5.035523	4.877171	0.000131	0.000376	0.325872	5.187459	4.980813	5.287484	5.800209	5.924691	5.860389	5.009762	4.883536	4.923769	4.809665	4.830703	4.925267	5.15451	4.985845	5.009321	4.733454	4.706825	4.461559
SRR	ENSG00000167720	-0.33899	2.796117	-3.11099	0.006194	0.01153	-2.98787	3.443098	3.472886	3.597291	3.123142	3.112982	3.472196	2.667326	2.871824	2.959482	3.036317	2.991286	2.930089	2.802201	2.642244	2.528806	2.77004	2.770449	2.830235
TSR1	ENSG00000167721	-0.53013	8.039815	-12.5683	3.48E-10	8.18E-09	13.27567	8.590173	8.559811	8.569186	7.925106	7.907488	7.968683	8.13288	8.112814	8.062782	8.096858	8.0998	8.11812	7.688053	7.655335	7.701707	7.874386	7.817649	7.939613
TRPV3	ENSG00000167723	0.313805	-0.27085	0.712836	0.485356	0.548645	-6.06529	1.475543	1.465573	1.406977	1.182548	1.164793	1.367251	0.670238	1.001115	0.39151	0.269074	0.695454	0.726056	0.869014	1.16289	0.651457	0.789161	1.024588	0.999041
HSD11B1L	ENSG00000167733	0.089011	2.230749	0.730463	0.474786	0.538234	-6.86048	1.719036	1.708084	1.818408	2.359902	2.117603	2.132113	1.240874	1.15884	1.314712	3.367773	3.539861	3.652879	3.442811	3.436722	3.658454	3.485915	3.307681	3.135595
CYB5D2	ENSG00000167740	0.154875	4.114904	1.855734	0.080435	0.113575	-5.60228	5.272612	5.39028	5.277754	5.468225	5.300788	5.272617	5.032629	4.877874	5.036597	3.155466	3.136872	3.157196	3.429485	3.606961	3.502077	3.083983	2.827179	3.162857
C19orf48	ENSG00000167747	-0.66244	7.115499	-6.24629	7.81E-06	3.21E-05	2.956887	7.253481	7.194779	7.204398	6.938516	7.019439	7.033983	7.175477	7.168551	7.234897	7.562392	7.457225	7.519016	6.549236	6.434896	6.467239	7.359112	7.395849	7.309074
KLK6	ENSG00000167755	0.730201	3.12158	11.3281	1.77E-09	2.91E-08	11.63565	0.106501	0.215206	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	9.636388	9.475117	9.590092	10.3277	10.29224	10.33672	9.998386	10.00813	10.06508
ZNF83	ENSG00000167766	1.009418	5.163103	11.19251	2.13E-09	3.39E-08	11.64901	4.559062	4.457599	4.574673	5.601826	5.387689	5.490866	5.555064	5.392484	5.325957	4.845549	4.933933	4.623968	5.756555	5.771185	5.816561	5.08263	5.211838	5.323893
KRT80	ENSG00000167767	-1.0451	8.987852	-2.54383	0.020671	0.033745	-5.10302	10.46209	10.37195	10.4613	7.533723	7.480317	7.534228	8.289415	8.193658	8.279166	9.192776	9.069213	9.19211	9.736739	9.642801	9.709999	8.938102	8.903061	8.855476
OTUB1	ENSG00000167770	0.386938	7.059311	11.7784	9.66E-10	1.86E-08	12.26	6.287428	6.24755	6.229267	6.689454	6.757243	6.71694	6.483493	6.482325	6.460789	7.480212	7.457225	7.478714	7.820604	7.791508	7.786488	7.714357	7.735283	7.667173
RCOR2	ENSG00000167771	0.850909	2.892006	3.449358	0.002962	0.005957	-2.17506	3.498536	3.537122	3.347346	4.674482	4.860273	4.793524	3.891945	3.924273	3.913431	2.14259	2.320972	2.198406	2.027088	1.897007	2.121111	2.524879	2.295039	2.350536
ANGPTL4	ENSG00000167772	-1.52743	4.341457	-5.31977	5.15E-05	0.000166	1.652699	6.423982	6.237919	6.415312	5.176143	5.371535	5.272617	6.02305	5.981	6.104345	3.75845	3.709078	3.809637	1.420179	1.793303	1.320349	4.036981	4.088867	4.087723
CD320	ENSG00000167775	0.041166	5.50048	0.511421	0.615457	0.670795	-7.4301	6.201502	6.258705	6.262537	6.414705	6.54498	6.403488	6.668242	6.533639	6.612377	4.728129	4.45572	4.838143	4.467344	4.488812	4.472558	4.799373	4.90101	4.670683
SPRYD3	ENSG00000167778	-0.3888	6.338277	-6.204	8.49E-06	3.45E-05	2.941082	6.701822	6.685688	6.644597	6.361268	6.407159	6.401779	6.309508	6.247853	6.271759	6.507332	6.371473	6.490487	6.02258	5.971557	5.994819	6.346662	6.299984	6.386167
IGFBP6	ENSG00000167779	-0.69245	5.05252	-9.41313	2.92E-08	2.83E-07	8.895044	4.179456	4.354415	4.307715	3.562554	3.683372	3.292047	3.747379	3.773871	3.990155	6.456552	6.50296	6.712618	5.921501	5.94458	5.908441	6.634988	6.651731	6.458081
ZNF558	ENSG00000167785	0.306629	3.72438	3.167107	0.005485	0.010338	-3.12959	3.613482	3.686213	3.987862	3.815786	3.722109	3.689474	3.632324	3.773871	4.021828	3.825326	3.70241	3.712353	4.234338	4.200384	4.199397	3.730814	3.72088	3.744016
NDUFV1	ENSG00000167792	-0.45823	6.956674	-7.03142	1.73E-06	8.75E-06	4.516203	7.327294	7.405177	7.328194	6.580359	6.714657	6.733338	6.929642	6.799278	6.906241	7.253729	7.101338	7.2488	6.9869	6.95162	6.862137	6.758499	6.765868	6.78527
CDK2AP2	ENSG00000167797	0.078075	5.153078	0.381155	0.707682	0.75485	-7.52661	4.730936	4.813666	4.790768	5.714295	5.87399	5.637476	4.96291	4.837607	5.150819	5.360348	5.267851	5.524349	4.878679	4.869552	4.755899	5.584404	5.431284	5.33891
NUDT8	ENSG00000167799	-0.6184	2.342368	-5.10812	8.04E-05	0.000244	1.364044	2.629805	2.37994	2.794903	2.425456	2.57804	2.317553	2.446718	2.184314	2.165532	3.058725	3.241771	3.149392	2.343563	2.517623	2.481722	2.782512	2.947209	2.649309
PRDX2	ENSG00000167815	0.024004	7.556096	0.582738	0.567513	0.626644	-7.71085	7.713212	7.772317	7.695853	7.804012	7.922119	7.749053	7.803719	7.827961	7.859417	7.402952	7.334835	7.415863	7.339704	7.347397	7.32697	7.310959	7.287569	7.240356
ZNF232	ENSG00000167840	-0.10708	3.351742	-1.43211	0.169753	0.219003	-6.25161	3.541402	3.483793	3.511328	3.472378	3.502343	3.632327	3.027514	2.960209	2.697131	4.054455	4.087306	3.968865	3.974777	3.710228	3.87435	3.053433	3.046116	3.340497
MIS12	ENSG00000167842	0.132878	5.138467	1.581867	0.131606	0.175726	-6.35472	4.753899	4.813666	4.799861	5.346585	5.212855	5.316813	5.409787	5.302366	5.330179	5.172773	5.172157	5.212332	5.014278	5.090728	5.044848	5.442295	5.417494	5.40033
HID1	ENSG00000167861	1.51822	5.111164	11.87609	8.49E-10	1.67E-08	12.57891	3.819083	3.82133	3.638424	5.809447	5.830334	5.852905	4.4712	4.247712	4.270596	5.060666	5.128054	5.180139	6.420449	6.237886	6.236164	5.600342	5.68063	5.625238
MRPL58	ENSG00000167862	-0.41257	5.790603	-8.86997	6.95E-08	5.87E-07	7.951935	5.799565	5.738755	5.854773	5.290513	5.244245	5.25	5.461262	5.535999	5.598715	6.185853	6.23143	6.319343	5.963711	5.881184	5.936358	6.212532	6.122955	6.097414
ATP5PD	ENSG00000167863	-0.00848	7.331131	-0.18674	0.854016	0.879329	-7.85909	7.528465	7.472429	7.434194	7.387182	7.321207	7.363888	7.319577	7.472674	7.420606	7.28198	7.24075	7.287979	7.308654	7.390236	7.389955	7.221618	7.116755	7.16904
EVPL	ENSG00000167880	0.751487	5.796984	7.684534	5.24E-07	3.16E-06	5.785973	3.895419	3.667203	3.971859	3.51817	4.009905	3.776446	3.19904	3.023117	3.528681	7.636889	7.747735	7.801702	8.702919	8.562851	8.61381	7.931849	8.048035	7.921271
SRP68	ENSG00000167881	0.021857	7.668707	0.710561	0.48673	0.549799	-7.64467	7.316537	7.250125	7.26311	7.376862	7.302158	7.419839	7.62717	7.618154	7.630333	7.873324	7.850833	7.831269	7.829825	7.818999	7.800945	8.113422	8.110791	8.137246
MGAT5B	ENSG00000167889	0.360802	4.955179	4.522139	0.000282	0.00074	-0.33824	5.663084	5.605293	5.705507	6.168929	6.23258	6.233295	5.919505	5.876989	5.839908	4.065562	4.10258	4.116262	4.171694	4.056619	4.160062	4.175819	4.07722	4.058989
TMC8	ENSG00000167895	-0.30803	0.415152	-2.44288	0.025452	0.040699	-4.45965	0.318509	0.215206	0.323815	0.106501	0.106501	0.106501	0.269385	0.106501	0.256032	3.950439	3.936355	3.92383	3.735884	3.871689	3.593499	4.787047	4.801884	4.59264
TK1	ENSG00000167900	-1.38891	5.656365	-4.63514	0.000221	0.000596	-0.25879	5.173901	5.048491	5.264677	5.333837	5.521816	5.404757	5.946849	6.020078	5.842866	6.670819	6.560324	6.693963	4.279599	4.274468	4.342433	6.718492	6.694287	6.65333
TMEM68	ENSG00000167904	-1.06495	5.799362	-23.5228	1.12E-14	5.70E-12	23.93688	6.576037	6.50744	6.631923	5.608898	5.431202	5.468184	5.856819	6.022646	5.773239	6.26628	6.152903	6.229671	5.19838	5.196144	5.183718	5.561067	5.589281	5.637437
AC090152.	ENSG00000167912	0.465259	-0.19581	3.537161	0.002443	0.00502	-1.7291	0.503316	0.499412	0.323815	0.395333	0.512209	0.461789	0.269385	0.387194	0.39151	1.865926	1.55885	1.718241	2.062048	1.993753	2.257813	1.708352	1.645686	1.703111
TMEM99	ENSG00000167920	0.183134	4.388576	1.479574	0.156786	0.204571	-6.3766	4.500523	4.50655	4.48731	4.031135	4.061165	4.202668	4.283766	4.511753	4.444269	4.425958	4.340194	4.441093	4.975836	4.863163	4.912042	4.340914	4.495561	4.439435
GHDC	ENSG00000167925	0.565749	4.149006	4.138183	0.000652	0.001549	-1.16678	3.719942	3.82133	3.707702	3.77864	3.670226	3.700636	4.000319	3.879643	4.189248	4.425958	4.399113	4.398932	5.214008	5.16532	5.217641	4.414877	4.328771	4.203832
FAM234A	ENSG00000167930	0.341989	6.078064	7.509698	7.17E-07	4.12E-06	5.505142	6.006859	6.022963	6.100872	6.294854	6.452019	6.278694	5.940817	5.789227	5.869223	6.073423	6.026466	5.972061	6.463579	6.311289	6.394957	6.02583	5.943748	5.836795
ZNF598	ENSG00000167962	-0.16068	6.600771	-2.0669	0.053886	0.079525	-5.80224	6.543459	6.561206	6.758588	6.216001	6.591051	6.282413	6.335028	6.171229	6.350783	6.708509	6.779703	6.966314	6.752857	6.718483	6.758955	6.979743	6.901661	6.716789
RAB26	ENSG00000167964	0.212511	2.979546	1.691874	0.108421	0.14805	-5.61421	4.059241	4.108838	4.16017	4.152252	4.167908	3.897801	3.539581	3.40015	3.796224	2.392392	2.249583	2.473063	2.95881	2.913535	2.821313	2.034568	2.212266	2.06284
MLST8	ENSG00000167965	-0.00469	5.799806	-0.09018	0.929172	0.942252	-7.66213	6.211491	6.261877	6.413832	6.257092	6.360859	6.158358	6.464699	6.383897	6.435535	5.240498	5.231258	5.409798	5.324314	5.313248	5.348066	5.414519	5.398901	5.277879
E4F1	ENSG00000167967	-0.10189	5.001359	-1.51239	0.148306	0.194936	-6.43073	5.237197	5.224615	5.281005	5.077635	5.14795	5.041937	5.08826	5.112925	5.057123	4.799721	4.887657	5.133432	4.938696	4.941053	4.823548	5.170659	5.033479	4.857474
ECI1	ENSG00000167969	-0.2133	6.110421	-4.80528	0.000153	0.000431	0.00518	6.159124	6.265041	6.255944	5.999011	6.079394	5.963613	6.09271	6.068104	6.19743	6.148471	6.222136	6.369748	6.112876	6.041121	5.969444	6.195146	6.141248	6.093877
CASKIN1	ENSG00000167971	0.16961	-0.02814	0.663623	0.51559	0.577732	-6.02638	1.719036	1.915637	2.079636	2.359902	2.429905	1.956998	2.26554	1.760835	2.165532	0.34397	0.583785	0.54756	0.352262	0.416769	0.335616	0.457048	0.433238	0.497646
ABCA3	ENSG00000167972	1.991067	3.372527	13.23498	1.53E-10	4.48E-09	14.46744	3.373632	3.248262	3.384088	5.44865	5.617385	5.438487	3.916741	3.988732	4.151567	2.204194	2.23117	2.198406	3.593793	3.520297	3.361763	2.35157	2.972579	2.84714
KCTD5	ENSG00000167977	-0.70031	6.678765	-7.11441	1.48E-06	7.67E-06	4.703406	6.980199	6.936513	6.904831	5.677771	5.868245	5.832753	6.475171	6.549752	6.591422	7.059068	7.056287	7.133375	6.770799	6.690792	6.699321	7.166183	7.05649	7.043574
SRRM2	ENSG00000167978	-0.33572	9.443534	-6.40531	5.72E-06	2.44E-05	3.122556	9.736904	9.767536	9.925995	9.430218	9.430332	9.666381	9.676531	9.50243	9.638556	9.498475	9.581378	9.319278	9.131669	9.029811	9.120371	9.206145	9.161527	9.199281
ZNF597	ENSG00000167981	-0.25456	3.570419	-2.57796	0.019257	0.031669	-4.2404	4.450796	4.293732	4.275483	3.688057	3.89028	3.888069	3.928981	3.868266	3.759121	3.528929	3.287042	3.38694	3.409264	3.470735	3.387537	3.39949	3.32748	3.267027
SDHAF2	ENSG00000167985	-0.16697	3.3441	-2.46862	0.024142	0.038788	-4.51094	3.19722	3.027527	3.347346	3.020814	2.926537	3.016392	3.004565	3.083395	2.981126	3.968304	4.082178	3.977706	4.006532	3.858903	3.734067	3.793775	3.986735	3.814473
DDB1	ENSG00000167986	-0.09261	8.399825	-3.61308	0.002068	0.004334	-2.81772	8.220626	8.23254	8.231407	8.150831	8.077705	8.156722	8.166868	8.146168	8.134555	8.741067	8.668726	8.67742	8.629616	8.584857	8.611306	8.635732	8.589496	8.621587
VPS37C	ENSG00000167987	-0.4036	5.411288	-4.28982	0.000468	0.001155	-1.02841	5.653347	5.605293	5.653783	4.707799	5.024245	4.913508	5.56294	5.141559	5.463015	5.689578	5.660785	5.722758	5.662871	5.481175	5.447393	5.580838	5.609638	5.459242
RAB3IL1	ENSG00000167994	0.049994	1.03897	0.237994	0.814653	0.84651	-6.44573	2.505419	2.674627	2.739267	2.688367	2.835252	2.346268	2.480375	2.511284	2.202855	1.158593	0.640699	0.846782	0.907968	1.032323	0.957066	1.058946	0.759002	1.222783
BEST1	ENSG00000167995	-1.21998	0.083769	-3.91112	0.001074	0.002408	-0.79738	1.384302	1.420874	1.706811	0.841981	0.730585	1.250575	1.160105	0.726566	0.735084	1.239286	1.190799	1.277453	0.5125	0.888753	0.593579	1.286141	1.67689	1.370407
FTH1	ENSG00000167996	0.061071	10.36355	0.895858	0.382502	0.447178	-7.65236	10.36512	10.45967	10.42429	10.77295	10.76889	10.6332	10.79366	10.77828	10.81923	10.1423	10.08461	10.15865	9.865544	9.996665	9.98637	10.22174	10.12763	10.166
BSCL2	ENSG00000168000	-0.26246	0.290169	-1.21934	0.238915	0.296129	-5.66114	1.561356	1.551021	1.256574	1.634586	1.612488	1.714252	1.317361	1.301009	1.244857	1.028404	1.228418	1.094478	0.745413	0.784432	0.651457	0.930351	1.072305	0.999041
POLR2G	ENSG00000168002	-0.35127	6.308715	-6.03792	1.18E-05	4.60E-05	2.592621	6.194805	6.218461	6.080495	6.107843	6.00018	6.002468	5.973684	6.189628	6.152831	6.811067	6.748484	6.812358	6.2781	6.298326	6.287262	6.640993	6.5637	6.538338
SLC3A2	ENSG00000168003	-0.25292	9.008928	-2.5435	0.020686	0.033755	-5.07806	9.02622	8.992395	9.048397	9.170375	9.176539	9.17015	9.395111	9.34411	9.40781	8.993099	8.974146	9.095533	8.40912	8.372164	8.382917	9.183694	9.068449	9.003955
SPINDOC	ENSG00000168005	-0.31041	5.864817	-3.59249	0.002164	0.004511	-2.65098	5.364998	5.413282	5.322611	5.222985	5.507103	5.349094	5.213624	5.146277	5.117003	6.624627	6.552002	6.675063	6.177072	6.174803	6.138353	6.712802	6.721665	6.631541
ATG16L2	ENSG00000168010	1.049127	3.218705	11.34355	1.73E-09	2.87E-08	12.07875	3.562366	3.568199	3.65856	4.63346	4.522687	4.72411	3.423261	3.646467	3.614278	2.736149	2.877496	2.30059	3.482063	3.470735	3.429496	2.432936	2.500854	2.464474
C2CD3	ENSG00000168014	0.0056	5.186185	0.078186	0.938569	0.949636	-7.66438	4.825019	4.897622	4.946277	4.384261	4.668652	4.57438	4.376062	4.341199	4.490278	5.887203	5.922715	5.747523	5.976366	6.049585	6.0375	5.652232	5.670976	5.703906
TRANK1	ENSG00000168016	0.676238	3.242456	7.598733	6.11E-07	3.59E-06	5.967566	1.561356	1.591918	1.358564	2.518519	2.366112	2.258349	2.340763	2.108984	2.309357	4.663802	4.818421	4.569452	5.182581	5.211312	5.395412	4.856526	4.73304	4.942519
TTC21A	ENSG00000168026	0.741614	1.10233	5.403105	4.33E-05	0.000142	2.138777	1.18244	0.8079	0.898566	1.457877	1.2379	1.475193	1.389995	1.231675	1.445026	2.14259	1.922393	1.969371	2.566893	2.416542	2.661487	2.173627	1.90484	2.06284
RPSA	ENSG00000168028	-0.12214	9.626026	-3.24908	0.004589	0.008804	-3.66812	9.79977	9.777127	9.744805	9.75643	9.761382	9.721536	9.85692	9.866364	9.800819	9.659711	9.536742	9.529847	9.337854	9.374879	9.376707	9.453711	9.43456	9.513584
ENTPD3	ENSG00000168032	-1.18161	-0.34348	-8.69435	9.28E-08	7.41E-07	8.143313	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	3.737768	3.811781	3.819506	2.67247	2.581279	2.703134	3.630901	3.815048	3.650813
CTNNB1	ENSG00000168036	-0.19068	8.799977	-1.58179	0.131624	0.175733	-6.76244	8.140117	8.088587	8.0283	8.505096	8.357421	8.454152	8.253367	8.250629	8.177373	9.608179	9.593254	9.557384	8.965765	8.957814	8.992544	9.490047	9.542526	9.502122
ULK4	ENSG00000168038	0.76656	1.344914	5.16579	7.11E-05	0.000219	1.664965	1.826927	1.81559	1.706811	2.21912	2.117603	2.164723	1.588238	1.901414	1.171446	1.704765	1.403073	1.60868	2.193986	2.307842	2.23906	1.681967	1.766644	1.910335
FADD	ENSG00000168040	-0.21619	5.475147	-3.56056	0.002321	0.004796	-2.63751	5.560015	5.533626	5.678645	5.412733	5.446705	5.468184	5.36994	5.268148	5.359397	5.651384	5.53695	5.750105	5.394571	5.38635	5.410157	5.733166	5.59133	5.600528
LTBP3	ENSG00000168056	-0.03422	7.719114	-0.17432	0.863621	0.88776	-7.92545	7.041209	7.159503	7.244914	7.053127	7.301092	7.114437	6.095427	5.885479	6.059269	8.471687	8.603787	8.651065	8.559095	8.520601	8.515938	9.026116	8.965795	8.840517
SAC3D1	ENSG00000168061	-0.33595	3.670032	-2.4025	0.02764	0.043727	-4.7015	3.701161	3.59862	3.764544	3.359513	3.844198	3.722706	3.004565	2.981485	3.289427	4.060019	4.200477	4.34529	3.845296	3.858903	3.65138	4.446571	4.313961	4.190648
BATF2	ENSG00000168062	-0.15194	2.094749	-0.99912	0.331367	0.395017	-6.54576	1.681202	1.947501	1.62731	1.634586	1.718467	1.575618	1.240874	1.301009	1.50602	3.294134	3.223257	3.210672	2.930712	3.141796	3.299771	3.630901	4.094656	3.591857
SF1	ENSG00000168066	-0.28723	8.750656	-7.8914	3.64E-07	2.32E-06	6.005568	8.551704	8.521622	8.538277	8.2816	8.312646	8.29433	8.795651	8.572304	8.763866	9.114886	9.045204	9.095533	8.791679	8.744346	8.740678	9.10814	9.124519	9.178352
MAP4K2	ENSG00000168067	0.280078	4.699821	2.183847	0.04287	0.064792	-5.35858	4.516725	4.649014	4.58523	4.152252	4.318753	4.062605	3.853933	3.809996	4.011347	5.077225	5.048786	4.987869	5.702186	5.633455	5.507395	5.359391	5.266706	5.157678
MAJIN	ENSG00000168070	-0.47192	-1.54312	-2.81227	0.011763	0.020395	-3.16427	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.98771	2.155072	1.759838	1.446877	1.428204	1.550722	1.992244	1.645686	1.58715
CCDC88B	ENSG00000168071	0.148758	2.197791	1.065039	0.301351	0.363341	-6.33085	2.526909	2.513665	2.661582	2.325974	2.520598	2.481849	1.867984	2.108984	2.408535	2.494552	2.193623	2.546206	2.749557	2.686334	2.618601	2.719047	2.770449	2.724423
SCARA3	ENSG00000168077	2.163725	1.299244	6.873704	2.32E-06	1.13E-05	5.044827	3.944154	3.505362	3.638424	5.491368	5.707014	5.669075	4.274204	4.265167	4.45204	0.106501	0.330605	0.16959	1.121891	0.938214	0.707101	0.457048	0.433238	0.409347
PBK	ENSG00000168078	-1.7918	4.72723	-5.15217	7.32E-05	0.000225	1.187213	5.940349	5.875476	5.910407	5.250376	5.104628	5.227023	6.114309	6.187341	6.036192	5.172773	5.035583	5.176304	1.954519	2.084417	1.801384	4.727016	4.758787	4.680149
SCARA5	ENSG00000168079	2.623781	2.383675	5.291935	5.46E-05	0.000174	2.055511	7.276658	7.258088	7.293204	9.973153	9.912954	9.94816	9.604193	9.50197	9.568796	0.106501	0.259702	0.16959	0.171976	0.106501	0.263213	0.106501	0.106501	0.106501
COPS6	ENSG00000168090	-0.25838	7.149952	-7.88321	3.69E-07	2.35E-06	6.108966	7.445558	7.524852	7.492144	7.316588	7.260001	7.258305	7.396517	7.446138	7.425548	7.0535	7.000981	7.089698	6.74077	6.762912	6.742404	6.943412	6.946362	7.045406
PAFAH1B2	ENSG00000168092	-0.12735	6.562527	-3.08817	0.006508	0.012057	-3.80049	6.416805	6.423545	6.306268	6.183212	6.159196	6.174461	6.330422	6.454066	6.30432	6.841273	6.949817	6.881118	6.79373	6.807679	6.873582	6.883887	6.803465	6.826343
ANKS3	ENSG00000168096	0.282304	4.243249	4.37397	0.00039	0.000983	-0.61257	4.226185	4.17089	4.357835	4.245952	4.594038	4.467345	4.504297	4.212157	4.339245	4.054455	4.117695	4.257266	4.477091	4.446707	4.492489	4.315393	4.258317	4.229846
NUDT16L1	ENSG00000168101	0.544641	4.286826	5.480543	3.68E-05	0.000123	1.726354	3.420312	3.686213	3.477724	4.495279	4.485643	4.447604	3.788265	3.999201	4.093134	4.619268	4.51019	4.598401	4.955062	4.866361	4.839198	4.953468	4.815969	4.536426
KIAA1586	ENSG00000168116	-0.56169	2.832521	-5.17615	6.96E-05	0.000215	1.541072	4.226185	4.051346	4.208773	3.359513	3.630051	3.765857	3.916741	3.749274	3.879258	2.558849	2.531245	2.183199	2.009285	2.10622	2.014873	2.334732	2.274787	2.374055
RAB4A	ENSG00000168118	0.666608	5.363075	7.877707	3.73E-07	2.37E-06	6.336346	5.623734	5.482886	5.678645	6.500859	6.405176	6.574031	6.09271	6.00976	6.0206	4.685565	4.57733	4.63239	4.941045	5.012067	4.975731	4.736662	4.721863	4.587619
SETD5	ENSG00000168137	-0.02559	6.737805	-0.56875	0.576764	0.635038	-7.66084	6.502012	6.397828	6.602343	6.487492	6.346468	6.549545	6.566144	6.725538	6.589661	7.018918	6.994854	6.87935	6.986332	6.894815	6.950527	7.045898	6.984273	7.012065
VASN	ENSG00000168140	0.368398	5.789488	3.165525	0.005503	0.01037	-3.55807	5.4988	5.458213	5.620809	5.475981	5.687572	5.556848	5.208612	5.098392	5.193163	5.675147	5.861181	6.088867	6.504663	6.401119	6.42015	6.496124	6.415487	6.05439
FAM83B	ENSG00000168143	-1.0135	-0.66486	-2.61422	0.017856	0.029589	-3.47643	0.503316	1.002471	0.964748	0.395333	0.106501	0.106501	0.415731	0.253663	0.256032	1.52331	1.588084	1.158083	1.121891	1.120667	1.355599	1.65509	1.613793	1.81044
THAP9	ENSG00000168152	0.03969	2.156575	0.292406	0.773419	0.811919	-6.78335	2.609804	3.027527	2.758051	2.91067	2.229385	2.675323	2.667326	2.623806	2.530983	2.100009	2.193623	2.104662	2.225168	2.433888	2.416453	2.35157	2.315011	2.174206
RNF187	ENSG00000168159	0.407025	7.335494	5.274157	5.66E-05	0.00018	0.912683	7.563332	7.596945	7.593021	7.723226	7.846703	7.764427	7.84629	7.718181	7.907544	6.674452	6.651423	6.801195	7.403282	7.259529	7.301776	6.894698	6.841829	6.825277
HOOK3	ENSG00000168172	0.468383	4.784691	4.761721	0.000168	0.000469	0.106125	4.029438	4.17089	4.255791	5.137544	4.836932	5.041937	4.681143	4.877874	4.633836	4.960093	5.05665	4.881185	5.162586	5.250999	5.097852	4.980783	4.943327	5.11295
MAPK1IP1	ENSG00000168175	-0.12365	7.709263	-3.43983	0.003025	0.006066	-3.13162	8.06911	8.075128	8.036017	8.041399	7.973193	7.994423	7.981712	7.901657	7.997242	7.622388	7.528702	7.57689	7.414739	7.372353	7.375539	7.281606	7.299522	7.356335
DDIT4	ENSG00000168209	0.182154	6.995467	1.30446	0.208994	0.263005	-6.74294	9.552747	9.634082	9.592218	9.668208	9.679276	9.592463	9.643951	9.651111	9.689364	3.744695	4.013804	3.928397	4.515435	4.398927	4.440084	4.983487	4.933671	4.950363
RBPJ	ENSG00000168214	0.387601	6.666623	5.577624	3.01E-05	0.000103	1.616217	6.455142	6.519415	6.419743	6.932892	6.81811	6.96391	7.117833	7.194975	7.175119	6.281841	6.406768	6.32455	6.645301	6.64125	6.706165	6.577998	6.514889	6.571775
LMBRD1	ENSG00000168216	1.186076	5.006146	11.44333	1.51E-09	2.60E-08	12.02868	4.538049	4.457599	4.288462	5.743505	5.465853	5.727543	5.473848	5.25073	5.346947	4.497421	4.620414	4.463295	5.562678	5.61266	5.657942	4.687772	4.857415	4.735671
ZCCHC4	ENSG00000168228	-0.59434	4.191086	-8.02288	2.89E-07	1.92E-06	6.789392	4.888652	4.852052	4.725456	4.062381	4.204846	4.249025	4.80585	4.722281	4.895553	4.222665	4.152359	4.24267	3.708564	3.752319	3.693316	3.97313	3.910024	3.87342
TTC39C	ENSG00000168234	1.03048	4.04517	13.44778	1.19E-10	3.68E-09	14.73236	5.082524	5.158086	5.183625	6.120268	6.239272	6.204178	5.29153	5.450851	5.431918	2.510897	2.546219	2.369387	3.074617	3.338827	3.361763	2.666185	2.552239	2.724423
GLYCTK	ENSG00000168237	-0.38788	1.598922	-2.93833	0.008987	0.016039	-3.06803	1.959273	1.708084	1.987129	1.791994	1.718467	1.799787	2.01302	2.389238	2.309357	2.204194	2.193623	2.409144	1.776519	1.993753	1.851631	2.154563	2.101639	2.14716
GNG4	ENSG00000168243	1.434129	2.678528	9.1228	4.62E-08	4.17E-07	8.856419	2.320899	2.61635	2.514675	4.082842	4.13	4.045196	4.111894	3.833587	3.69508	1.964162	2.095243	1.73919	2.661114	2.770668	2.497588	2.448672	2.696248	2.507643
UBTD2	ENSG00000168246	0.387227	4.858446	7.40514	8.67E-07	4.85E-06	5.470204	4.595114	4.429669	4.307715	4.772209	4.877535	4.849758	4.528631	4.547856	4.640652	4.948139	5.110531	5.079012	5.384248	5.357098	5.501506	5.146741	5.057388	5.252725
POLR2J3	ENSG00000168255	0.116395	2.399903	0.898249	0.381261	0.445947	-6.62446	1.959273	1.915637	2.166567	2.181668	2.193078	2.098749	1.966276	2.540248	2.530983	3.246125	3.398501	3.210672	3.181815	3.536446	3.370406	2.831347	3.034117	2.84714
NKIRAS2	ENSG00000168256	-0.35315	6.601038	-6.46614	5.08E-06	2.21E-05	3.430837	6.833772	6.794813	6.913236	6.283849	6.323559	6.335295	6.502046	6.349536	6.338259	6.950162	6.929975	6.918904	6.762852	6.739561	6.675109	6.49707	6.45989	6.489376
DNAJC7	ENSG00000168259	-0.3234	7.028218	-9.0954	4.83E-08	4.32E-07	8.22287	7.350832	7.388588	7.321895	6.996285	6.944977	6.986888	7.172906	7.167391	7.177464	7.06669	6.954735	7.04097	6.782638	6.726423	6.74573	6.943412	6.909892	7.037143
IRF2BP2	ENSG00000168264	0.219369	6.946727	4.287544	0.000471	0.001161	-1.22875	6.630407	6.712594	6.778276	7.102813	7.060324	7.081724	6.732502	6.567448	6.627897	7.07839	7.127086	7.119462	7.25867	7.127165	7.207251	7.023744	7.05129	6.973132

NT5DC2	ENSG00000168268	0.09914	5.920852	1.451875	0.164251	0.212849	-6.63448	6.247534	6.274494	6.286995	6.538381	6.603208	6.557242	6.499996	6.444522	6.541308	5.42646	5.393221	5.470561	5.377325	5.347976	5.227188	5.705599	5.595419	5.507891
SMIM4	ENSG00000168273	-0.00201	3.791513	-0.01608	0.987349	0.989503	-7.28797	4.25866	4.15733	4.542529	3.887325	4.071202	3.828257	3.988671	3.833587	4.189248	3.637124	3.682218	3.769472	3.899458	4.045377	4.098971	3.538334	3.494411	3.241681
COA6	ENSG00000168275	-0.42153	5.945855	-5.129	7.69E-05	0.000235	0.809973	7.050513	6.986256	6.921591	6.477868	6.478657	6.453835	7.209741	7.258446	7.150258	5.172773	5.125563	5.285361	4.912595	4.941053	4.912042	5.102661	5.104049	5.011626
KIF5C	ENSG00000168280	-0.03818	1.040967	-0.22192	0.826945	0.856719	-6.81054	1.069823	0.940485	1.088647	1.578054	1.307481	1.123626	0.548589	0.726566	0.629397	2.574485	2.618839	2.369387	2.399306	2.381211	2.312654	2.652661	2.37332	2.706008
MGAT2	ENSG00000168282	0.480118	5.588116	4.421177	0.000352	0.000898	-0.74188	5.082524	5.256764	5.130553	6.023033	6.130685	6.09843	5.940817	5.842522	5.956488	5.367097	5.270107	5.456399	5.414998	5.468605	5.497567	5.75548	5.737233	5.724636
BMI1	ENSG00000168283	-0.00228	4.90574	-0.04105	0.967719	0.973185	-7.48257	5.476884	5.559632	5.576519	5.558653	5.383668	5.458352	5.67619	5.689327	5.673738	4.430262	4.260723	4.246333	4.414217	4.390067	4.342433	4.357681	4.451131	4.323421
THAP11	ENSG00000168286	0.109372	6.029304	1.828769	0.084551	0.118798	-6.12229	5.675165	5.765816	5.785507	6.064776	6.013255	6.075031	6.264336	6.187341	6.079477	6.049846	5.983108	6.138988	6.05331	5.984858	5.993421	6.358164	6.279802	6.18645
MMADHC	ENSG00000168288	-0.41492	7.302121	-6.57714	4.09E-06	1.84E-05	3.610492	7.777377	7.832216	7.717009	7.245768	7.17413	7.185683	7.619638	7.724504	7.702142	7.27721	7.168802	7.246516	6.929487	6.981418	6.998705	6.992548	6.966231	7.072613
PDHB	ENSG00000168291	0.092734	6.366388	2.193987	0.042019	0.063621	-5.54602	6.237793	6.224976	6.149702	6.307949	6.256968	6.300868	6.325801	6.357695	6.365259	6.494033	6.409841	6.505849	6.491899	6.638447	6.569296	6.413338	6.439566	6.430305
PXK	ENSG00000168297	1.078984	3.590308	7.69252	5.17E-07	3.12E-06	6.305784	2.744313	2.836538	2.865896	4.495279	3.967543	4.330328	4.302704	4.405576	4.093134	3.216534	3.339557	3.117748	3.799417	3.946112	3.805912	3.928936	3.910024	3.840032
PCMTD1	ENSG00000168300	0.603091	4.850234	8.545598	1.19E-07	9.07E-07	7.501213	4.688657	4.691972	4.662041	5.400559	5.379635	5.359696	4.330652	4.273815	4.482711	5.109782	5.167323	5.121514	5.628298	5.627813	5.654408	4.180538	4.178806	4.341429
KCTD6	ENSG00000168301	-0.20999	3.746293	-2.91714	0.009405	0.016702	-3.60957	3.952119	3.829904	3.995797	3.647423	3.855857	3.828257	4.011872	4.138304	4.243986	3.737768	3.805572	3.955502	3.691919	3.495729	3.615478	3.877544	3.757829	3.937965
MPLKIP	ENSG00000168303	-0.44379	5.117301	-4.70898	0.000189	0.000517	-0.07223	5.49062	5.485601	5.544416	4.720913	4.70778	4.586466	4.799197	4.928048	4.825493	5.309864	5.485444	5.580563	5.315286	5.32724	5.248442	5.28245	5.190374	5.063177
ACOX2	ENSG00000168306	-2.64355	2.636065	-10.7621	3.90E-09	5.57E-08	11.20755	4.399293	4.538284	4.363979	2.633943	2.787348	2.481849	4.622059	4.474723	4.72003	3.002038	2.924094	3.026968	0.5125	0.612281	0.812339	3.053433	2.868308	2.928814
IRF2	ENSG00000168310	0.478929	4.359783	9.353501	3.21E-08	3.06E-07	8.948882	3.86199	4.115866	3.931056	4.440838	4.56592	4.460795	4.057185	4.265167	4.207726	4.430262	4.45968	4.53991	4.92689	4.837324	4.935528	4.574001	4.592839	4.577525
ARF4	ENSG00000168374	-0.01455	8.225817	-0.42502	0.676011	0.725032	-7.85267	8.193166	8.193626	8.13993	8.120844	8.002992	8.119257	8.179089	8.094623	8.061512	8.303905	8.310965	8.306437	8.361238	8.365683	8.360589	8.373307	8.310216	8.35713
SEPTIN2	ENSG00000168385	0.523665	8.964307	14.42949	3.81E-11	1.62E-09	15.52968	8.850939	8.928219	8.904329	9.545272	9.478971	9.504037	9.346034	9.420824	9.374208	8.437626	8.44058	8.387248	8.829423	8.878079	8.852474	8.706365	8.734417	8.794142
FILIP1L	ENSG00000168386	1.231129	-0.5912	4.981045	0.000105	0.000309	1.122855	0.216396	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.763691	2.865607	2.435052	3.90909	3.90938	4.029733	1.992244	1.737342	1.81044
MFSD2A	ENSG00000168389	-0.95206	2.900582	-4.13077	0.000663	0.001572	-0.89439	1.927307	1.883052	1.818408	2.325974	2.686486	2.652511	3.027514	2.777669	2.892531	4.299944	4.223947	4.271716	2.949505	3.04352	2.730245	4.32821	4.263465	4.150354
DTYMK	ENSG00000168393	-1.11614	5.53534	-11.5816	1.26E-09	2.25E-08	12.16744	5.82147	5.848305	5.810467	5.199754	5.221894	5.059385	5.847177	5.830848	5.889394	6.137986	6.025131	6.149784	4.627624	4.718494	4.76248	5.797564	5.766537	5.731481
TAP1	ENSG00000168394	-0.17341	6.574866	-2.62789	0.017353	0.028853	-4.73464	6.482897	6.468163	6.535866	6.216001	6.319354	6.217839	6.55434	6.434915	6.534004	6.637711	6.578646	6.698649	6.52673	6.498105	6.569296	7.138555	7.11034	7.110736
ING5	ENSG00000168395	-0.29655	5.239349	-5.69751	2.36E-05	8.30E-05	2.044942	5.465799	5.398948	5.347631	5.1079	5.171467	5.179942	5.228555	5.331655	5.197793	5.36934	5.397356	5.45798	5.045184	4.979952	5.267074	5.304237	5.356168	5.406045
ATG4B	ENSG00000168397	-0.25652	6.213901	-2.9219	0.009309	0.016552	-4.09802	6.467698	6.423545	6.519445	5.830775	5.927456	5.904501	6.389189	6.291095	6.319266	6.25055	6.277022	6.338345	6.35588	6.190196	6.334405	6.175184	6.110153	6.107972
BDKRB2	ENSG00000168398	0.545082	-0.94051	1.183486	0.252464	0.311238	-5.49844	1.791852	1.978677	1.921989	2.766336	2.460774	2.784269	2.226405	2.184314	2.471058	0.269074	0.106501	0.230035	0.106501	0.190544	0.106501	0.257084	0.2791	0.106501
MLKL	ENSG00000168404	-0.51967	4.128692	-4.70264	0.000191	0.000523	0.218955	4.842264	4.765319	4.866295	4.54774	4.529983	4.440963	4.883375	4.753535	4.732845	3.914031	3.695711	3.986493	3.213258	3.263212	3.186878	4.345124	3.967936	4.014786
RFWD3	ENSG00000168411	-0.61089	6.411001	-6.39047	5.88E-06	2.51E-05	3.305388	6.330838	6.252341	6.232628	5.878371	5.888253	6.094204	6.042896	6.126568	6.19743	6.963584	6.972165	6.932609	6.164057	6.135585	6.205097	7.152435	6.991271	7.164833
RHOH	ENSG00000168421	-1.22849	0.439878	-4.48524	0.000306	0.000795	0.428263	5.899743	5.846194	5.837213	4.654117	4.485643	4.745826	5.882222	5.727605	5.633301	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.19538	0.106501
COG7	ENSG00000168434	0.043321	5.547077	0.392922	0.699128	0.746691	-7.55457	6.160843	6.224976	6.203801	5.842822	5.859584	5.817452	6.042896	6.073067	6.028417	4.874259	4.997958	5.005268	5.451713	5.404061	5.384788	4.980783	5.112633	4.985143
CDC40	ENSG00000168438	-0.06578	4.733318	-0.85225	0.405601	0.470706	-7.15465	4.679091	4.738249	4.817878	4.562385	4.515354	4.55606	4.536652	4.928048	4.962367	4.968993	4.899366	4.950186	4.902986	5.029288	4.944238	4.697684	4.740443	4.7671
STIP1	ENSG00000168439	-0.18357	8.933251	-3.41368	0.003203	0.006376	-3.28525	8.567669	8.591038	8.559514	8.571305	8.592047	8.568242	8.712682	8.579734	8.604785	9.409328	9.338394	9.358306	9.062408	9.010431	9.018379	9.449684	9.401959	9.459129
HR	ENSG00000168453	1.246763	4.880031	4.562087	0.000259	0.000685	-0.23149	4.888652	4.747329	5.018167	6.779953	6.981358	6.799727	6.034424	5.740142	5.978177	4.13047	4.166964	4.209279	4.097807	4.11155	4.14503	3.617041	3.916575	3.631427
RAB31	ENSG00000168461	0.52102	6.646313	3.702843	0.001698	0.003628	-2.33023	7.884267	7.892799	7.799794	8.2981	8.131456	8.213837	8.908898	8.972331	8.928877	4.581075	4.627471	4.569452	5.396285	5.361637	5.348066	5.080106	5.030462	5.091828
REEP4	ENSG00000168476	-0.29098	5.16767	-3.3906	0.003369	0.006665	-2.95167	5.082524	5.077581	5.045184	5.227586	5.14795	5.110498	5.157514	4.997573	5.146036	5.47933	5.461948	5.586355	4.938696	5.032138	4.975731	5.450134	5.435851	5.408895
TNXB	ENSG00000168477	-0.3751	0.94527	-1.9017	0.073825	0.105328	-4.86985	2.27083	2.308123	2.469799	1.393812	1.612488	1.919272	1.240874	1.491012	1.38134	1.423238	1.467416	1.413989	1.621093	1.393161	1.580823	1.058946	1.289746	1.273688
BMP1	ENSG00000168487	0.612574	6.101046	6.193452	8.67E-06	3.51E-05	2.900383	5.496078	5.39028	5.443586	5.573188	5.806499	5.657664	4.688362	4.843429	4.872576	6.539555	6.581374	6.689934	7.45146	7.353107	7.412099	6.86422	6.774909	6.846449
ATXN2L	ENSG00000168488	-0.80322	7.923047	-9.51112	2.50E-08	2.51E-07	8.847385	8.735121	8.696471	8.836352	7.603536	7.629565	7.64816	8.299467	8.162561	8.300844	7.878844	7.859101	7.910453	7.455163	7.390236	7.353912	7.634051	7.697269	7.639542
PHYHIP	ENSG00000168490	-0.58967	0.351018	-1.84985	0.081317	0.114685	-4.80271	2.218961	1.978677	2.018628	1.182548	1.006428	0.984419	1.389995	1.367163	1.50602	0.781331	0.986408	0.884879	1.018891	0.837535	1.550722	1.177011	0.871168	0.805046
POLR3D	ENSG00000168495	-0.10464	6.351388	-1.63199	0.120567	0.162786	-6.48147	6.188076	6.314753	6.291837	6.396431	6.393224	6.422153	6.341911	6.087856	6.251865	6.616154	6.632255	6.658664	6.374253	6.306589	6.335509	6.355036	6.383925	6.302841
FEN1	ENSG00000168496	-1.55077	6.55407	-8.77067	8.18E-08	6.69E-07	7.722867	6.279537	6.291664	6.304671	5.529135	5.769991	5.754573	6.184906	6.269636	6.202046	7.849021	7.722828	7.882774	5.79343	5.750567	5.730227	7.668057	7.631597	7.689607
CAVIN2	ENSG00000168497	0.745024	5.200382	7.9671	3.19E-07	2.07E-06	6.651846	6.555272	6.495365	6.534505	7.324127	7.350349	7.216145	7.14432	7.138087	7.166879	3.520882	3.381904	3.187996	3.970183	3.878039	3.910354	3.552967	3.32748	3.291935
MTCL1	ENSG00000168502	-0.00997	5.701365	-0.06288	0.950578	0.959198	-7.59424	7.13865	7.071869	7.323472	6.631604	6.768082	6.789308	6.600985	6.711283	6.693282	4.359822	4.256177	4.303708	4.96664	5.01783	4.981384	4.602417	4.482376	4.617485
GBX2	ENSG00000168505	-1.9444	0.987302	-7.38703	8.96E-07	4.98E-06	5.965307	2.392887	2.55562	2.558197	1.256461	1.953662	1.575618	2.01302	2.108984	1.727075	1.940223	2.074736	2.055402	0.5125	0.550009	0.707101	1.809319	1.2488	1.370407
HEXIM2	ENSG00000168517	-0.16364	2.51665	-1.1923	0.249079	0.307474	-6.17537	3.498536	3.196163	3.204003	3.083078	3.441741	3.119801	2.884002	3.196885	2.981126	2.558849	2.249583	2.396013	2.193986	2.451029	2.036756	2.583072	2.585506	2.200755
FNTA	ENSG00000168522	0.106212	6.040494	1.57491	0.133204	0.177427	-6.54227	5.544295	5.523092	5.469462	5.259393	5.279302	5.363212	5.597858	5.599299	5.703339	6.477494	6.556631	6.406224	6.748839	6.711387	6.817011	6.663925	6.707569	6.739602
SERINC2	ENSG00000168528	0.788899	5.090118	14.48454	3.58E-11	1.55E-09	15.81482	4.192962	4.275018	4.326715	4.753186	4.900234	4.918297	4.606901	4.482206	4.549426	5.326119	5.267851	5.413061	6.296566	6.1514	6.101192	5.682493	5.643597	5.590523
TRAPPC11	ENSG00000168538	0.264743	5.79089	5.305968	5.30E-05	0.00017	1.148757	5.975942	6.050734	6.036935	6.331652	6.267918	6.415394	6.025902	6.073067	6.1928	5.382723	5.473744	5.399966	5.506677	5.603108	5.761774	5.410507	5.35134	5.472921
COL3A1	ENSG00000168542	0.942212	1.750063	2.294875	0.034365	0.053156	-3.98445	6.298404	6.178742	6.293448	7.130104	7.123181	7.101862	7.453763	7.465142	7.418625	0.106501	0.106501	0.106501	0.46104	0.345231	0.470356	0.183756	0.106501	0.409347
ING2	ENSG00000168556	-0.18105	3.913678	-1.021	0.321181	0.384548	-6.79079	3.288121	3.59862	3.39613	4.290615	3.99943	4.130213	3.941119	4.060466	3.935772	4.242376	4.382523	4.286022	3.557503	3.793216	3.629946	4.545014	4.625193	4.536426
CDKN2AIP	ENSG00000168564	0.188374	4.735166	3.14441	0.005761	0.010802	-3.36712	4.702888	4.538284	4.600923	4.87551	4.764552	4.894191	5.104539	5.219733	5.160337	4.505601	4.525382	4.681918	4.753268	4.627193	4.749288	4.817667	4.850589	4.86164
SNRNP48	ENSG00000168566	-0.33916	4.20301	-2.85733	0.010687	0.018732	-3.84258	4.102823	4.150501	3.947516	3.955484	4.040879	4.330328	4.651903	4.825892	4.626988	4.421642	4.494836	4.554757	3.804587	3.915568	4.040604	4.454386	4.473517	4.311289
TMEM223	ENSG00000168569	0.213503	4.625838	3.026449	0.007436	0.013561	-3.70767	4.029438	3.96057	4.034833	3.977507	4.186495	3.9455	3.761137	3.736817	3.655245	5.198228	5.39529	5.577658	5.580873	5.76263	5.682442	5.436388	5.370553	5.201061
SLC20A2	ENSG00000168575	0.402684	6.353854	5.376813	4.57E-05	0.000149	1.162965	5.263039	5.102561	5.064177	5.122798	5.157403	5.127141	4.932837	4.987092	4.934903	7.582347	7.559931	7.578343	8.143645	8.130603	8.153989	7.352853	7.33541	7.309074
TMUB2	ENSG00000168591	0.236484	5.341997	3.896002	0.00111	0.00248	-1.86288	5.633672	5.480165	5.536278	5.691159	5.60362	5.762585	5.665257	5.619796	5.683673	5.093595	4.978771	5.099408	5.389419	5.347976	5.3633	4.928434	4.962447	4.985143
STAT3	ENSG00000168610	0.33067	7.48393	5.250107	5.96E-05	0.000188	0.844217	8.066819	8.106339	8.132301	8.328941	8.366619	8.326211	7.530072	7.466086	7.559265	6.893632	6.919232	6.862742	7.285728	7.33994	7.32586	6.79435	6.813152	6.755359
ZSWIM1	ENSG00000168612	0.056513	3.882042	0.844417	0.409846	0.474859	-7.06499	3.623492	3.516026	3.607684	3.54791	3.517104	3.292047	3.19904	2.916694	3.181386	4.58494	4.591835	4.560653	4.690417	4.697103	4.72927	4.522885	4.596923	4.439435
ADAM9	ENSG00000168615	0.345842	9.068693	2.701738	0.014862	0.025134	-4.77086	8.899887	8.967843	8.860184	9.803035	9.721909	9.809233	9.234578	9.270127	9.276937	8.897852	8.854625	8.880659	8.714468	8.695966	8.744008	8.888304	8.864619	8.903743
AXIN2	ENSG00000168646	1.373221	0.85964	2.584713	0.018989	0.031252	-3.60127	0.216396	0.8079	0.898566	2.633943	2.787348	2.605775	1.588238	1.710758	1.50602	1.616888	1.369793	1.360915	1.621093	1.077171	1.355599	2.135245	1.878239	2.174206
NDUFS5	ENSG00000168653	-0.16956	7.163296	-2.9183	0.009381	0.016665	-4.19622	7.622547	7.683455	7.555259	7.221752	7.214311	7.325645	7.376546	7.351262	7.417633	6.938126	7.029232	6.962422	7.005541	6.971801	7.004269	6.790496	6.819283	6.84013
ZNF30	ENSG00000168661	0.544228	2.602643	3.610214	0.002081	0.004357	-1.88068	2.080492	1.465573	2.109199	2.840308	2.460774	2.652511	3.115825	3.160038	3.271973	2.856146	2.792142	2.86487	3.236398	3.141796	2.930541	3.508614	3.413359	3.398988
LRATD2	ENSG00000168672	-0.55338	6.365439	-13.0961	1.81E-10	5.05E-09	14.02723	5.575566	5.501788	5.565897	5.072529	5.07001	4.992837	4.7858	4.883536	4.789145	7.995962	7.971523	8.013997	7.395165	7.494146	7.420966	7.510637	7.499297	7.49954
SLC16A4	ENSG00000168679	0.977406	3.319044	4.966936	0.000108	0.000318	1.388051	8.032955	8.109424	8.086124	9.11464	8.979789	9.07095	8.970147	9.049279	9.004144	0.269074	0.259702	0.34382	0.407676	0.484926	0.404558	0.576451	0.433238	0.214669
IL7R	ENSG00000168685	-0.71166	4.149242	-5.87567	1.64E-05	6.09E-05	2.436882	3.603403	3.439663	3.533304	1.634586	1.612488	1.956998	2.696258	2.676938	2.376228	6.466013	6.47975	6.374777	5.936886	5.929373	5.890527	5.697389	5.770158	5.644707
TMEM208	ENSG00000168701	-0.15545	6.263306	-4.35526	0.000406	0.001019	-0.9849	6.860467	6.8187	6.811251	6.681091	6.628918	6.60555	6.532447	6.500862	6.528503	6.106066	5.958134	6.086826	5.967173	5.907809	5.9276	5.753898	5.731671	5.694596
LRP1B	ENSG00000168702	1.567308	0.030407	5.360771	4.73E-05	0.000154	2.195266	2.109269	1.508929	1.667608	3.041869	3.053471	3.152687	2.446718	2.147141	2.239236	0.34397	0.330605	0.230035	0.46104	0.550009	0.651457	0.686723	0.19538	0.315289
AHCYL1	ENSG00000168710	-0.43937	7.534597	-5.41389	4.23E-05	0.000139	1.190751	7.998758	8.028405	7.934395	7.370635	7.30535	7.279863	7.910197	7.934755	7.901171	7.531683	7.485174	7.500732	7.253008	7.309134	7.287587	7.239256	7.264004	7.236351
DNAJC21	ENSG00000168724	-0.07001	5.904676	-1.21096	0.242029	0.299498	-6.99069	5.979843	6.000355	5.961952	5.667647	5.684306	5.727543	5.736627	5.839612	5.776337	5.981118	6.055536	6.035885	6.141761	6.071917	6.132014	6.019258	5.864653	6.05439
PKIG	ENSG00000168734	0.193303	3.647912	1.85868	0.079996	0.113056	-5.51415	4.645102	4.287521	4.492928	4.740363	4.888929	4.702062	4.215456	4.175703	4.103038	2.966925	3.044983	3.210672	3.125084	3.141796	3.053703	3.083983	2.985098	3.135595
NPNT	ENSG00000168743	0.277601	0.890745	0.994	0.333786	0.397501	-6.47044	0.318509	0.215206	0.421314	1.393812	1.2379	1.310092	0.106501	0.622068	0.515351	3.024981	3.023743	3.133657	2.95881	3.141796	3.106389	3.52355	3.659719	3.477085
FAM178B	ENSG00000168754	0.205583	-0.9724	1.243268	0.230188	0.286488	-5.95887	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	2.356666	2.338281	2.104662	2.162115	2.433888	2.416453	2.539649	2.921385	2.742606
SEMA4C	ENSG00000168758	-0.34696	5.715922	-3.82218	0.001306	0.002862	-2.12664	5.565217	5.466485	5.618241	4.857809	5.094821	4.946703	5.310366	4.87219	4.99996	6.291335	6.287085	6.34006	6.074867	6.123609	6.132014	6.539021	6.431584	6.485333
CNNM3	ENSG00000168763	0.201418	4.918626	3.055166	0.006989	0.012843	-3.62036	4.688657	4.604738	4.795321	4.845887	5.124043	4.864722	5.099133	4.944392	4.962367	4.880563	4.976009	5.068705	5.208167	5.029288	5.158989	5.180117	5.060349	4.922721
GSTM4	ENSG00000168765	0.246041	2.729673	1.035762	0.314432	0.377292	-6.18151	5.004246	5.03743	4.95851	5.097883	5.166794	5.127141	5.277239	5.27247	5.287386	0.834246	1.265082	1.248523	1.548989	1.897007	1.801384	0.884806	1.16325	0.734116
TET2	ENSG00000168769	0.874172	4.480925	10.51282	5.57E-09	7.41E-08	10.73572	3.623492	3.547555	3.489013	4.517996	4.310303	4.512384	4.606901	4.389749	4.585199	4.438829	4.637993	4.453822	5.27674	5.306201	5.348066	5.03391	5.012228	4.836464
CXXC4	ENSG00000168772	0.578216	1.892982	1.737847	0.099824	0.137678	-5.45651	0.587539	0.940485	1.256574	3.103249	2.811499	2.481849	1.70672	1.809233	1.727075	2.966925	3.295928	2.948194	2.862939	3.098942	2.689384	2.334732	2.585506	2.830235
TCTN2	ENSG00000168778	0.634299	3.939493	8.744729	8.54E-08	6.92E-07	8.058847	4.321496	4.401188	4.307715	4.971905	4.933626	4.761901	4.090259	4.119235	4.112876	3.536933	3.26005	3.439082	4.114557	4.051009	4.029733	3.245848	3.595851	3.432977
SHOX2	ENSG00000168779	0.590218	1.922286	2.919426	0.009359	0.016631	-2.98887	3.919992	3.983805	3.717332	4.510463	4.628433	4.493254	4.393833	4.397684	4.33084	0.934589	0.986408	1.094478	1.054048	0.784432	0.957066	0.837776	0.759002	0.580851
PPIP5K1	ENSG00000168781	0.152712	3.930951	2.315226	0.032987	0.051247	-4.86022	4.172655	4.12286	4.1812	4.325376	4.462952	4.48682	4.205428	4.080322	4.08316	3.920163	3.992097	3.829308	4.015478	3.946112	3.856005	3.691675	3.612085	3.509302
TSPAN5	ENSG00000168785	0.167168	4.472009	1.113912	0.280401	0.34123	-6.80838	4.212988	4.12286	4.124423	4.927344	4.675247	4.884435	5.015513	4.894793	4.940438	4.517783	4.558991	4.700729	4.207266	4.420842	4.440084	4.271827	4.395944	4.394143
ABHD15	ENSG00000168792	0.47237	4.232333	4.729041	0.000181	0.000498	0.189489	4.456406	4.324392	4.357835	5.1029	4.998178	5.059385	4.393833	4.365678	4.270596	3.666603	3.975599	4.012537	4.126992	4.089828	4.228211	4.166333	4.005291	4.022248
ZBTB5	ENSG00000168795	0.160541	4.649735	2.754849	0.013286	0.022736	-4.24514	4.473109	4.34846	4.314076	4.325376	4.515354	4.28655	4.143751	4.019913	3.783962	5.138995	5.167323	5.089246	5.349295	5.377412	5.367623	5.018176	5.039493	5.048636
CHTF8	ENSG00000168802	-0.15552	7.475994	-4.21193	0.000555	0.001345	-1.43478	7.293996	7.237292	7.262288	6.998979	6.973352	6.992576	7.291411	7.34512	7.360976	7.731894	7.718703	7.773104	7.722265	7.670506	7.656048	7.907857	7.882659	7.902693
ADAL	ENSG00000168803	-0.18387	3.773971	-2.21685	0.040158	0.061037	-4.91238	4.905158	4.696667	4.711067	4.392481	4.544465	4.434292	4.512454	4.61746	4.633836	3.196464	3.034402	3.318995	3.213258	3.213858	3.225499	3.143207	3.225651	3.065099
LCMT2	ENSG00000168806	-0.30088	4.948475	-5.41936	4.18E-05	0.000138	1.538075	5.531062	5.567343	5.56856	5.227586	5.296516	5.223158	5.253102	5.219733	5.346947	4.674725	4.712893	4.904554	4.464081	4.420842	4.613913	4.684453	4.695442	4.557121
SNTB2	ENSG00000168807	-1.00957	4.343152	-10.1581	9.37E-09	1.12E-07	10.26422	4.610293	4.584615	4.662041	4.092964	4.13	4.045196	4.792514	4.583078	4.570996	4.793054	4.933933	4.830842	3.60569	3.599295	3.629946	4.697684	4.70304	4.670683
ZNF507	ENSG00000168813	-0.26105	5.224819	-3.89963	0.001101	0.002464	-1.85715	5.194191	5.120143	5.152017	4.88719	4.662026	4.997371	5.356409	5.327507	5.021009	5.6347	5.586681	5.46271	5.293386	5.347976	5.345877	5.461813	5.339201	5.575386
STX18	ENSG00000168818	-0.39209	5.539031	-5.07751	8.58E-05	0.000258	0.691723	6.038999	6.03599	6.019525	5.479843	5.266255	5.404757	5.794634	5.80423	5.800886	5.481405	5.363942	5.649959	5.387698	5.336493	5.296849	5.336314	5.405901	5.380146
ZBTB49	ENSG00000168826	-0.16641	3.10338	-1.67749	0.111239	0.151354	-5.82739	3.071243	3.057038	3.270929	2.714828	2.429905	2.581827	3.050103	2.676938	2.748518	3.77884	3.675424	3.769472	3.799417	3.637228	3.837423	3.52355	3.579432	3.779675
GFM1	ENSG00000168827	-0.15465	6.736504	-3.02088	0.007526	0.013705	-3.95877	6.432547	6.389152	6.394453	6.352868	6.214581	6.324512	6.570057	6.629411	6.598441	7.189813	7.164563	7.196745	6.969167	7.00119	7.00635	7.013861	7.026522	7.039902
DDX19A	ENSG00000168872	-0.04157	4.369315	-0.69321	0.497286	0.559953	-7.21698	4.271448	4.366251	4.363979	4.440838	4.204846	4.337497	4.079318	4.212157	4.459769	4.592639	4.735932	4.737631	4.645023	4.634714	4.602954	4.485232	4.343431	4.411295
ATOH8	ENSG00000168874	2.619519	1.530576	11.21268	2.07E-09	3.31E-08	11.75281	2.021155	1.744817	1.853768	3.815786	4.276	4.10523	2.412257	2.324112	2.616448	1.278001	0.89579	0.807652	2.717023	2.850343	2.782986	0.789161	0.759002	0.580851
ANKRD49	ENSG00000168876	0.220716	3.99958	3.47772	0.002784	0.005636	-2.58782	3.397161	3.439663	3.454879	3.77864	3.394558	3.744443	3.632324	3.773871	3.641718	4.513734	4.613322	4.542892	4.739835	4.770624	4.769032	4.454386	4.49118	4.577525
USP39	ENSG00000168883	0.172163	6.075399	2.957836	0.008619	0.015443	-3.9953	5.907956	5.71581	5.780922	6.152084	5.984333	6.140024	6.43067	6.419408	6.329849	5.928855	5.939825	6.074516	6.015908	6.081579	6.064381	6.267911	6.201498	6.321106
TNIP2	ENSG00000168884	-0.48951	6.145325	-3.70745	0.001681	0.003595	-2.39868	7.040275	7.023171	7.026027	6.085203	6.036494	6.015936	6.215207	6.097632	6.145661	5.954476	5.874589	6.015638	5.969477	5.91709	5.906957	5.932386	5.914593	5.834677
C2orf68	ENSG00000168887	0.393339	4.942526	6.995743	1.85E-06	9.30E-06	4.643046	3.96004	4.281283	4.1812	4.290615	4.439897	4.337497	4.283766	4.299455	4.05282	5.589243	5.584869	5.629067	6.051137	6.031182	6.061715	5.520693	5.701643	5.654343
TMEM150/	ENSG00000168890	0.452112	4.681251	4.525955	0.00028	0.000734	-0.38292	4.674285	4.574447	4.59048	4.714371	4.917027	4.884435	4.944941	4.511753	4.934903	4.634266	4.54415	4.606974	5.202303	5.068687	5.239034	4.414877	4.414575	4.433851
RNF181	ENSG00000168894	0.2683	5.772258	5.385086	4.49E-05	0.000147	1.289225	5.590951	5.562207	5.683566	5.650615	5.754503	5.719334	5.605504	5.525174	5.609178	5.788424	5.737805	5.762948	6.112876	6.150089	6.175814	6.011333	5.945351	6.006286
VAMP5	ENSG00000168899	0.60948	-0.48066	1.809231	0.087648	0.122622	-5.04526	0.587539	0.106501	0.512639	0.52061	0.106501	0.461789	0.106501	0.387194	0.515351	1.840286	1.616737	1.759838	2.329284	2.06228	2.433049	1.599785	1.613793	1.546329
LRRC28	ENSG00000168904	-0.0604	3.101509	-0.56991	0.575989	0.634282	-6.93544	3.710582	3.676739	3.678418	3.674639	3.093416	3.510758	3.423261	3.141256	3.236418	3.08079	3.023743	3.254982	3.332595	3.233802	3.137101	2.831347	2.741225	3.065099
MAT2A	ENSG00000168906	0.028763	9.415399	0.706868	0.488966	0.552025	-7.7411	9.892581	9.844652	9.82675	9.855076	9.774495	9.834788	10.12357	10.12183	10.11075	8.864851	8.84652	8.77479	8.913333	8.903205	8.940715	8.914746	8.970524	9.006073
ZNF608	ENSG00000168916	1.040974	3.409977	8.252123	1.95E-07	1.37E-06	7.083881	2.438959	2.356396	2.600444	2.325974	2.299368	2.455733	2.186178	2.147141	1.826075	4.692747	4.771408	4.719298	5.992313	5.858882	5.906957	4.031767	4.156841	4.216898
SLC35G2	ENSG00000168917	0.082114	2.76237	0.400592	0.693575	0.741135	-6.71932	3.836399	3.983805	3.863273	4.325376	4.416469	4.146631	4.772276	4.819999	4.758139	1.98771	2.155072	1.986992	1.392977	1.282615	1.423614	2.075685	2.006592	2.003758
LETM1	ENSG00000168924	-0.11467	7.118026	-3.4134	0.003205	0.006378	-3.13541	7.304145	7.337645	7.400217	7.241224	7.303223	7.227766	7.529067	7.497809	7.468322	6.858139	6.837905	6.882295	6.779359	6.702469	6.689858	7.106674	7.069775	7.085136
TMEM129	ENSG00000168936	0.501636	6.060791	5.457179	3.87E-05	0.000129	1.396919	5.677569	5.76358	5.741349	5.830775	6.11136	5.73299	5.853613	5.755661	5.779429	6.054035	6.108198	6.16921	6.872775	6.770613	6.861371	6.196311	6.196124	6.030539
PPIC	ENSG00000168938	0.826488	5.579624	17.93188	1.07E-12	1.19E-10	19.36854	5.227386	5.204977	5.16263	5.966346	5.921921	5.857899	5.65424	5.567996	5.591697	5.12579	5.203192	5.332646	6.118076	6.082954	6.11025	5.685817	5.607615	5.582975
CEP120	ENSG00000168944	-0.52595	4.894698	-5.95921	1.38E-05	5.28E-05	2.681481	5.611213	5.564777	5.610509	4.720913	4.819175	4.756563	5.300979	5.408281	5.355259	4.762664	4.748933	4.801266	4.53734	4.592857	4.527685	4.581158	4.576385	4.749225
STXBP6	ENSG00000168952	-0.67978	2.429874	-2.32822	0.032134	0.050036	-4.31485	3.96004	3.82133	4.050156	2.633943	3.132285	2.697781	4.057185	4.194045	4.296723	1.646779	1.699433	1.858866	1.878105	2.06228	2.294605	1.833493	1.878239	1.504318
TM4SF20	ENSG00000168955	0.044843	-1.39155	0.224981	0.824603	0.854729	-6.172	2.438959	2.356396	2.514675	2.21912	2.549605	2.629332	2.376953	2.871824	2.77354	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MFF	ENSG00000168958	0.080389	7.159312	0.841693	0.411329	0.476306	-7.41865	8.761705	8.749966	8.768492	8.580328	8.556764	8.576218	8.401814	8.410643	8.421023	5.540318	5.542561	5.525857	5.999094	6.050991	5.976538	5.700678	5.735381	5.8578
LGALS9	ENSG00000168961	0.342773	2.446883	2.490111	0.023098	0.037275	-4.70882	0.814199	0.316291	1.088647	1.634586	1.953662	1.422231	0.548589	0.509405	0.39151	5.300492	5.205552	5.147212	5.436806	5.520271	5.430962	5.267	5.35134	5.233567
CPLX1	ENSG00000168993	1.366867	1.942556	9.096041	4.82E-08	4.32E-07	8.779263	0.882475	1.061904	1.028027	2.457149	2.193078	2.098749	1.160105	1.001115	1.314712	2.47802	2.766797	2.974933	3.825085	3.852467	3.945482	3.6717	3.503143	3.162857
PXDC1	ENSG00000168994	0.289167	3.109321	0.987667	0.336793	0.400747	-6.60475	4.172655	3.741788	4.034833	2.955742	3.242978	3.335661	3.507292	3.672864	3.162566	2.558849	2.561038	2.845681	3.983922	3.644697	3.862146	2.583072	2.552239	2.724423
E2F6	ENSG00000169016	-0.04958	5.554685	-0.80627	0.43092	0.495767	-7.30168	5.738706	5.706529	5.683566	5.901593	5.664554	5.812316	6.087259	6.053109	5.978177	5.35583	5.176975	5.437298	5.184566	5.093459	5.191054	5.518831	5.389513	5.590523
FEM1B	ENSG00000169018	-0.06408	6.403778	-1.71212	0.10456	0.143349	-6.36247	6.416805	6.427787	6.470455	6.254839	6.434631	6.370669	6.355578	6.361757	6.325625	6.513428	6.556631	6.456896	6.377726	6.535747	6.475274	6.412335	6.386287	6.451187
COMMD8	ENSG00000169019	0.32857	4.872498	5.451919	3.91E-05	0.00013	1.614033	5.038315	4.99613	5.025938	5.320976	5.212855	5.283793	5.296262	5.298133	5.300358	4.501517	4.399113	4.612661	4.895737	4.919664	4.820398	4.591826	4.617172	4.499478
ATP5ME	ENSG00000169020	-0.20278	6.869607	-4.40331	0.000366	0.000929	-0.95729	7.106003	7.064623	7.048137	6.727312	6.758797	6.745516	6.865814	6.872281	6.965804	6.993699	6.945588	6.881707	6.754194	6.890895	6.900683	6.77965	6.81403	6.76762
UQCRFS1	ENSG00000169021	-0.10328	6.573733	-2.80577	0.011927	0.020643	-4.36103	7.065275	7.072773	7.064264	6.94132	6.928508	6.880476	6.868994	6.952582	6.95217	6.245675	6.195078	6.268014	6.166067	6.157939	6.230242	6.287732	6.138449	6.20296
COL4A3	ENSG00000169031	2.944841	0.475245	9.391191	3.02E-08	2.91E-07	9.093481	0.667115	1.061904	1.256574	2.21912	2.460774	2.532704	1.160105	1.301009	1.564539	0.415169	0.89579	0.34382	2.479079	2.549802	2.513282	0.837776	0.924142	0.659518
MAP2K1	ENSG00000169032	0.118758	6.422934	1.76162	0.095615	0.132555	-6.25367	6.141817	6.086949	5.992018	6.384118	6.497388	6.453835	7.085392	7.08379	7.046293	6.048447	6.22097	6.100044	6.015908	6.076066	5.983596	6.932261	6.902486	6.88584
HNRNPH1	ENSG00000169045	-0.10087	8.743148	-1.41989	0.17323	0.222926	-6.97035	8.48293	8.465644	8.501823	8.69774	8.595963	8.72645	8.796904	8.760983	8.773976	8.998542	8.957266	8.906643	8.581858	8.571939	8.634811	8.984552	8.951911	9.049855
IRS1	ENSG00000169047	0.155609	7.255601	1.934747	0.069375	0.099678	-6.091	7.220063	7.07818	7.141407	7.038798	7.077854	7.047161	6.901967	6.785736	6.927299	7.23171	7.281586	7.327851	7.699894	7.604539	7.606154	7.654127	7.603961	7.550746
MECP2	ENSG00000169057	-0.6423	6.409334	-6.81348	2.60E-06	1.25E-05	4.172262	6.837001	6.850648	6.857712	5.884211	6.101599	5.865358	7.036735	7.105754	6.949428	6.358354	6.458142	6.358792	5.962555	5.95963	6.032063	6.345611	6.313698	6.41763
UPF3A	ENSG00000169062	-0.00527	4.762059	-0.09242	0.927419	0.940627	-7.52849	4.654895	4.835117	4.835673	4.681208	4.770725	4.72957	4.576101	4.825892	4.929347	4.832603	4.854958	4.972471	4.878679	4.856747	5.000996	4.799373	4.79479	4.86164
ACTBL2	ENSG00000169067	0.524193	0.02636	2.640258	0.01691	0.028195	-3.89105	0.318509	0.410755	0.421314	0.106501	0.106501	0.3528	0.269385	0.253663	0.106501	2.83033	2.85362	2.93917	3.646572	3.329589	3.586098	2.706012	2.813204	2.48622
AR	ENSG00000169083	0.572757	1.757153	2.113475	0.049221	0.073379	-4.36136	5.391599	5.452673	5.408347	5.996317	5.856685	6.166432	4.902122	5.007978	4.860948	0.483018	0.259702	0.639567	0.352262	0.484926	0.470356	0.326864	0.19538	0.580851
VXN	ENSG00000169085	-0.1609	-0.00597	-0.49461	0.627033	0.681015	-6.33255	1.861169	1.374745	1.453818	1.182548	1.006428	0.461789	0.415731	0.824004	0.629397	1.158593	0.986408	1.158083	1.420179	1.357245	1.639204	0.884806	0.816175	0.734116
HSPBAP1	ENSG00000169087	-0.24557	2.007463	-1.56473	0.135571	0.180175	-5.73309	2.080492	2.332462	2.018628	1.393812	1.307481	1.840725	2.01302	2.108984	2.005764	2.966925	3.146729	2.87437	2.940139	3.131201	2.870883	2.539649	2.500854	2.507643
CHST14	ENSG00000169105	0.287981	4.201757	2.873	0.010336	0.018176	-3.74655	4.896929	4.976959	4.831244	5.259393	5.185395	5.063714	4.926746	4.690335	4.889843	3.294134	3.30476	3.45816	3.640803	3.622174	3.713835	3.859998	3.863317	3.761956
PARM1	ENSG00000169116	1.274838	3.620891	6.466803	5.07E-06	2.21E-05	3.810584	3.300651	3.472886	3.133821	4.59836	4.529983	4.639633	2.186178	2.029503	1.727075	3.709722	3.830249	3.680217	4.924518	4.888549	4.897167	3.967679	4.162364	4.249053
CSNK1G1	ENSG00000169118	-0.13889	5.943968	-1.96912	0.065003	0.09408	-5.90646	5.970071	5.987002	6.009761	5.529135	5.610519	5.602196	5.494585	5.539589	5.304656	6.320605	6.352433	6.195026	6.341723	6.343771	6.319977	6.188132	6.168947	6.157942
FAM110B	ENSG00000169122	1.115462	-1.50282	3.303746	0.004073	0.007918	-1.93597	2.021155	1.947501	1.954926	3.123142	2.926537	2.741673	1.648695	1.367163	1.826075	0.106501	0.106501	0.106501	0.106501	0.106501	0.263213	0.106501	0.106501	0.106501
ARMC4	ENSG00000169126	-0.09582	0.172673	-0.36664	0.718285	0.763758	-6.30798	1.719036	1.591918	1.818408	2.063099	1.768674	1.714252	1.240874	1.231675	1.0941	0.88529	0.89579	1.027938	0.610222	0.784432	0.862212	0.326864	0.924142	0.872651
AFAP1L2	ENSG00000169129	-0.11026	2.48596	-0.58357	0.566962	0.626085	-7.19203	2.021155	2.152784	1.853768	2.103714	2.117603	2.429135	0.670238	0.824004	0.39151	4.212707	4.292151	4.324649	4.207266	4.10073	4.093761	4.289412	4.263465	4.365096
ZNF354A	ENSG00000169131	0.668365	4.141272	5.74926	2.12E-05	7.57E-05	2.314979	3.774862	3.676739	3.801232	4.052041	3.656958	3.733615	3.941119	4.060466	3.890739	4.177304	4.247042	4.24267	5.100883	5.12584	5.143946	4.507942	4.391248	4.572451
ATF5	ENSG00000169136	-0.35054	5.520561	-4.87425	0.000132	0.000379	0.288819	5.910002	5.86717	5.83942	5.657452	5.763816	5.569081	6.108939	6.191911	6.247406	5.21079	5.069663	5.44688	4.907798	4.774033	4.663983	5.59858	5.58723	5.567757
UBE2V2	ENSG00000169139	-0.29715	6.866614	-6.10095	1.04E-05	4.11E-05	2.672412	6.689964	6.751471	6.683194	6.42876	6.403191	6.45713	6.844972	6.965986	6.897731	7.219952	7.222805	7.215085	6.889294	6.880653	6.949806	7.136735	7.093094	7.10196

ZBTB43	ENSG00000169155	-0.43767	4.920212	-9.29916	3.49E-08	3.29E-07	8.769161	5.111261	5.003727	4.954444	4.63346	4.56592	4.531264	4.504297	4.62424	4.505294	5.642139	5.52755	5.426038	5.14231	5.076992	5.123642	5.002269	4.981317	5.102428
CPT1C	ENSG00000169169	0.49035	2.873535	3.663008	0.001853	0.003934	-2.12258	1.861169	1.591918	1.954926	1.022291	1.373859	1.123626	1.867984	2.108984	2.127218	4.299944	4.463628	4.466439	5.053895	5.07975	4.998211	4.826728	4.695442	4.753714
PCSK9	ENSG00000169174	0.171317	-1.19979	0.6553	0.520807	0.582798	-6.00639	3.142584	2.693541	3.013906	3.237064	3.012388	3.119801	2.102195	2.623806	2.723053	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
XPO6	ENSG00000169180	-0.22143	7.255515	-2.55394	0.020243	0.033128	-4.94941	7.472804	7.439194	7.50749	7.37479	7.345188	7.390843	6.984915	6.957958	6.981997	7.36861	7.363649	7.374621	7.099509	6.985835	7.070075	7.37258	7.331739	7.354119
MN1	ENSG00000169184	0.150488	0.665058	0.527793	0.60428	0.660822	-6.1811	5.948335	6.000355	6.160332	6.069909	6.30028	6.137973	5.991301	5.786207	5.819027	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.183756	0.106501	0.106501
APEX2	ENSG00000169188	-0.40638	5.912093	-10.0446	1.11E-08	1.29E-07	9.847765	6.320107	6.268199	6.232628	5.884211	5.902377	5.902086	5.80795	5.879824	5.88653	6.185853	6.056844	6.071422	5.747188	5.608847	5.69969	5.799099	5.802349	5.809023
NSMCE1	ENSG00000169189	-0.32957	6.008626	-4.66014	0.000209	0.000568	-0.27643	6.718262	6.61304	6.764407	6.183212	6.198646	6.206137	6.15916	6.263136	6.357005	5.757935	5.698134	5.762948	5.703571	5.554375	5.507395	5.785222	5.705431	5.647122
CCDC126	ENSG00000169193	0.056953	2.653873	0.356753	0.725547	0.770214	-6.8931	3.156438	2.730641	3.090013	2.81607	3.033076	2.998412	3.258446	3.415864	3.421943	2.763691	2.741	2.776437	2.760241	2.888589	2.95373	2.368215	2.465551	2.200755
NPIPB12	ENSG00000169203	-0.0161	-0.07535	-0.06764	0.946841	0.956105	-6.35038	1.12723	1.226787	1.30847	1.182548	1.2379	0.984419	1.240874	1.001115	1.50602	1.073118	0.986408	0.76743	0.907968	0.837535	1.209118	0.517985	0.572487	0.659518
RAB3B	ENSG00000169213	1.073579	4.538658	5.281995	5.57E-05	0.000177	1.983932	9.630649	9.671978	9.642211	10.76575	10.65787	10.81577	10.32124	10.35277	10.30575	0.415169	0.583785	0.683459	0.562188	0.612281	0.533283	0.457048	0.69947	0.734116
CD2BP2	ENSG00000169217	0.004616	7.144421	0.123159	0.903387	0.920645	-7.86327	7.134281	6.980492	6.986749	6.9497	7.051479	7.008383	6.833623	6.944479	6.835226	7.323634	7.313661	7.407709	7.435301	7.348541	7.363143	7.300157	7.268492	7.305256
RGS14	ENSG00000169220	0.754332	3.223379	4.114431	0.000687	0.001624	-1.02432	1.561356	2.283367	1.853768	3.425084	3.643567	3.377995	2.832807	2.596487	2.501332	3.723813	3.748453	3.728156	4.211164	4.148793	4.040604	4.694387	4.551348	4.551975
TBC1D10B	ENSG00000169221	0.12771	5.562879	0.953094	0.353539	0.417984	-7.2264	4.925527	4.980813	5.041355	5.707722	5.842105	5.669075	5.300979	5.127313	5.062209	5.928855	5.946895	6.018854	5.741807	5.637204	5.716735	6.056963	6.084202	5.927013
LMAN2	ENSG00000169223	0.259911	8.090176	7.145721	1.40E-06	7.29E-06	4.664004	8.162173	8.158747	8.196542	8.464252	8.548704	8.464831	8.324585	8.356202	8.402595	7.693029	7.659256	7.844319	7.970738	7.93509	7.895667	7.89571	7.875952	7.875143
RAB24	ENSG00000169228	1.148522	1.191286	5.022201	9.64E-05	0.000287	1.439395	1.519087	1.670392	1.921989	2.063099	2.333126	2.196611	2.376953	2.069791	2.471058	0.781331	1.112482	1.061592	2.079215	1.846087	1.970087	1.708352	1.737342	1.058313
PRELID1	ENSG00000169230	-0.31232	8.00735	-9.56749	2.30E-08	2.32E-07	8.920833	8.134004	8.198186	8.124179	7.764185	7.848893	7.757763	7.970653	7.906531	7.937606	8.194322	8.139527	8.225011	7.910569	7.921703	7.932609	8.138804	8.072807	8.059598
THBS3	ENSG00000169231	1.245984	4.080148	12.36028	4.53E-10	9.97E-09	13.35845	4.302931	4.275018	4.37619	5.156973	5.185395	5.387592	4.068294	3.90213	4.16108	3.560679	3.398501	3.203153	4.86884	4.704269	4.826692	3.218571	3.193646	3.398988
CA5B	ENSG00000169239	0.404107	2.12843	3.973782	0.000936	0.002138	-0.94795	2.568952	2.596389	2.720234	3.06262	3.112982	3.231764	2.779728	2.801791	2.77354	1.940223	2.115463	1.951531	2.112949	2.10622	2.200805	2.095813	2.101639	1.844513
SLC50A1	ENSG00000169241	0.134032	6.714368	1.575039	0.133174	0.177405	-6.57535	6.943714	6.974705	6.949439	6.992235	6.81662	6.94056	7.433501	7.343066	7.445148	6.240783	6.141856	6.25807	6.485475	6.481518	6.567418	6.399235	6.298731	6.41196
EFNA1	ENSG00000169242	0.367379	7.470514	1.544323	0.140423	0.185739	-6.64763	8.057159	7.974329	8.021514	8.371143	8.302564	8.36882	9.440972	9.340255	9.515097	6.254195	6.349235	6.296559	6.633727	6.720251	6.704457	6.172818	6.075448	6.076062
CXCL10	ENSG00000169245	0.488221	-1.45843	1.594717	0.128698	0.172279	-5.21607	0.106501	0.316291	0.106501	0.258133	0.106501	0.106501	0.269385	0.106501	0.106501	1.116489	1.300837	1.188864	1.420179	1.393161	1.923865	1.286141	1.851139	1.546329
NPIPB3	ENSG00000169246	0.020048	1.56165	0.12722	0.900218	0.918205	-6.79136	1.755904	1.883052	1.78216	2.21912	1.864131	2.132113	1.762502	1.082132	1.50602	2.650221	2.355385	2.088428	2.209661	2.288901	2.18129	2.211015	2.054898	2.174206
SH3TC2	ENSG00000169247	-1.18468	2.740376	-4.03792	0.000813	0.001884	-1.02654	3.520128	3.676739	3.678418	0.841981	1.006428	1.422231	2.752438	2.290412	2.530983	3.681119	3.767745	3.914651	3.436163	3.301515	3.253801	3.836267	3.800954	3.914098
ZRSR2	ENSG00000169249	0.132533	3.755905	1.415181	0.174586	0.224526	-6.32666	3.313074	3.439663	3.431666	3.308302	3.820593	3.678224	3.747379	3.491964	3.924645	3.926269	4.209911	4.175097	4.203356	4.331113	4.024267	4.103106	4.094656	4.353311
NMD3	ENSG00000169251	0.568543	6.290635	13.58145	1.01E-10	3.30E-09	14.66781	5.493352	5.607787	5.472309	6.137487	6.175571	6.127672	6.311847	6.349536	6.222635	6.126099	6.210434	6.174987	6.679473	6.691694	6.700179	7.01914	6.988942	7.10196
ADRB2	ENSG00000169252	-0.24127	1.631691	-1.40636	0.177149	0.227535	-6.35388	1.681202	1.277811	1.146821	0.395333	0.25478	0.2349	0.269385	0.726566	0.256032	4.889966	4.755391	4.92983	4.907798	4.689902	4.732626	4.175819	3.800954	3.814473
B3GALNT1	ENSG00000169255	0.623315	-0.41441	7.985901	3.08E-07	2.02E-06	6.898865	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.17611	3.086546	3.445469	3.840269	3.884362	3.773698	3.6717	3.612085	3.56145
GPRIN1	ENSG00000169258	-0.24446	4.155396	-2.08032	0.052502	0.077727	-5.47313	3.530804	3.568199	3.707702	3.456785	3.89028	3.828257	2.832807	3.083395	3.104585	5.115138	5.110531	5.278222	4.853955	4.718494	4.929692	5.323569	5.168587	5.037632
MRPL1	ENSG00000169288	-0.67102	4.922997	-9.72695	1.80E-08	1.92E-07	9.484179	5.288426	5.231103	5.144898	4.272916	4.258538	4.460795	4.908318	5.03875	5.015776	5.358091	5.24967	5.36838	4.8288	4.882244	4.759194	5.085149	5.08382	5.274758
NR0B1	ENSG00000169297	-1.55334	0.510227	-5.64133	2.64E-05	9.18E-05	2.741891	6.661101	6.783823	6.830237	5.041505	5.317749	5.155812	6.366869	6.171229	6.284872	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PGM2	ENSG00000169299	-0.01697	6.309415	-0.41414	0.683812	0.731966	-7.69388	6.074092	6.070765	6.097189	6.095309	6.046703	6.051247	6.29303	6.284691	6.211233	6.503253	6.514426	6.580293	6.451269	6.555692	6.537992	6.506498	6.52992	6.505438
STK32A	ENSG00000169302	0.634612	0.5212	5.605024	2.85E-05	9.81E-05	2.18458	0.216396	0.215206	0.106501	0.106501	0.25478	0.3528	0.269385	0.106501	0.256032	3.75845	4.035189	3.914651	4.470601	4.509412	4.535391	4.249541	4.40994	4.286716
MINAR1	ENSG00000169330	1.286636	1.098624	6.326346	6.67E-06	2.80E-05	4.040624	1.681202	1.118985	0.829201	2.143217	2.078331	2.402038	2.26554	2.255906	2.274723	1.028404	1.152172	1.219002	1.776519	1.681564	1.826726	1.571317	1.930959	1.546329
SLC33A1	ENSG00000169359	0.142622	5.155497	1.46299	0.161221	0.209557	-6.51356	5.064268	5.018804	5.123327	5.677771	5.539998	5.541409	5.448564	5.575011	5.463015	5.009819	5.123069	5.005268	4.763924	4.941053	4.888167	5.036515	5.138081	5.19777
SNUPN	ENSG00000169371	-0.16862	4.215521	-2.64097	0.016885	0.02816	-4.27029	4.605251	4.619648	4.681852	4.510463	4.455308	4.279122	4.420085	4.784126	4.751857	4.065562	4.082178	4.029643	3.965575	3.903166	3.991027	4.057652	4.094656	4.022248
CRADD	ENSG00000169372	-0.71859	2.662287	-6.78928	2.73E-06	1.30E-05	4.805805	3.756787	3.888531	3.871922	3.21869	3.053471	3.168853	3.690999	3.672864	3.924645	2.543041	2.405511	2.497858	1.897591	2.127698	1.900186	2.524879	2.190809	2.091498
SIN3A	ENSG00000169375	0.230189	6.387825	4.85937	0.000136	0.000389	0.062801	5.881091	5.904176	5.884996	6.152084	6.216843	6.217839	5.578564	5.636658	5.500968	6.897522	6.929261	6.884647	7.080453	7.078362	7.08918	6.791268	6.759506	6.84013
ARL13B	ENSG00000169379	0.022677	3.464906	0.215916	0.831553	0.860304	-7.14228	3.65311	3.505362	3.565652	3.944346	3.784444	3.888069	4.164604	3.956862	3.681923	3.411958	3.406729	3.590847	3.303673	3.310934	3.186878	3.366734	3.603991	3.410407
PTK2	ENSG00000169398	-0.65225	7.709357	-11.1462	2.27E-09	3.57E-08	11.34944	8.411073	8.404898	8.423091	7.568598	7.55553	7.572708	7.893899	7.872771	7.861607	7.717002	7.671258	7.690817	7.261962	7.211933	7.227015	7.561277	7.485595	7.50953
PTAFR	ENSG00000169403	-1.33582	0.664736	-5.20218	6.59E-05	0.000205	1.586073	0.814199	0.499412	0.898566	0.395333	0.512209	0.2349	0.106501	0.726566	0.256032	3.294134	3.509623	3.312021	2.25569	2.148862	2.18129	4.271827	3.974229	3.906054
PTPN9	ENSG00000169410	0.225064	5.368513	3.360166	0.003601	0.007075	-3.00883	5.93634	5.869251	5.863473	6.183212	6.180215	6.111035	5.639419	5.810187	5.773239	4.637991	4.796672	4.888235	5.005325	4.950123	4.900154	4.925625	4.887736	4.965925
NPR1	ENSG00000169418	0.194388	0.383242	0.428532	0.673498	0.722663	-6.1751	3.385444	3.516026	3.443319	3.647423	3.426184	3.391835	3.841036	3.550079	3.668646	0.106501	0.330605	0.288049	0.352262	0.416769	0.470356	0.106501	0.572487	0.315289
CXCL8	ENSG00000169429	-1.47996	7.161111	-9.08974	4.87E-08	4.35E-07	8.308479	8.484647	8.444515	8.492389	7.160503	7.118349	6.962751	9.707947	9.69544	9.723273	6.437439	6.335294	6.393892	4.886014	4.827513	4.879111	6.486627	6.615953	6.560288
SCN9A	ENSG00000169432	0.675198	2.183411	3.096256	0.006395	0.011869	-2.80784	2.609804	2.853456	2.982302	2.81607	2.835252	3.119801	3.219115	3.446787	2.981126	1.646779	1.725977	1.538714	2.649667	2.627242	2.604018	1.833493	1.737342	1.973284
RASSF6	ENSG00000169435	-0.21876	0.442907	-0.9561	0.352058	0.416441	-6.12127	0.41387	0.940485	0.512639	0.635873	1.006428	1.123626	0.782422	0.824004	0.833554	1.865926	1.875739	2.021603	1.689764	1.428204	1.456457	2.464239	2.410923	2.350536
SDC2	ENSG00000169439	1.146891	4.856562	2.399179	0.027828	0.043981	-4.84512	3.84498	3.855322	3.81026	6.686114	6.584058	6.687786	5.077304	4.971227	5.155586	4.443094	4.344483	4.563592	4.093589	4.034047	3.945482	5.518831	5.422105	5.486471
MMGT1	ENSG00000169446	0.563602	5.644448	5.904973	1.54E-05	5.79E-05	2.454121	5.449012	5.393175	5.420189	6.211362	6.059364	6.09843	6.475171	6.544401	6.447246	5.060666	5.133021	5.091284	5.517738	5.464391	5.477706	5.467617	5.467424	5.383047
TM2D2	ENSG00000169490	-0.37967	5.324254	-5.83285	1.79E-05	6.55E-05	2.279385	4.829349	4.813666	4.739702	4.701197	4.782991	4.751204	4.8959	4.87219	4.732845	6.096621	6.089154	6.204472	5.588386	5.603108	5.640184	6.122199	6.092904	5.996849
PLEKHA2	ENSG00000169499	0.549779	3.369891	6.559871	4.23E-06	1.89E-05	3.961927	2.461454	2.470453	2.300736	2.393052	2.787348	2.5075	1.966276	1.988058	1.962896	4.545816	4.634494	4.379049	5.05823	5.096185	5.161481	4.777733	4.874338	4.853297
CLIC4	ENSG00000169504	-0.22811	7.451458	-7.67198	5.36E-07	3.22E-06	5.707169	7.856953	7.818281	7.807704	7.635917	7.561773	7.660361	7.978771	7.977076	7.993919	7.10958	7.113327	7.164198	6.872775	6.867149	6.915523	7.296357	7.296386	7.359284
METTL15	ENSG00000169519	-0.30791	3.936037	-3.68754	0.001756	0.003745	-1.93231	5.128936	5.095468	5.134153	4.88719	4.621619	4.788301	4.779054	4.837607	4.776822	3.303547	3.241771	3.290894	2.911671	3.320292	3.106389	3.032701	3.307681	3.31642
MUC15	ENSG00000169550	2.382337	-0.7485	11.6743	1.11E-09	2.05E-08	12.50291	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.30136	2.193623	2.286428	4.531115	4.569504	4.527685	2.034568	2.410923	2.302316
ZEB2	ENSG00000169554	0.555757	1.428843	2.454191	0.024868	0.039851	-3.69616	4.859306	4.95753	5.05661	5.626427	5.326156	5.490866	5.360933	5.466025	5.412136	0.269074	0.185134	0.288049	0.46104	0.26996	0.404558	0.257084	0.2791	0.497646
PCBP1	ENSG00000169564	-0.20265	8.656546	-5.66945	2.49E-05	8.74E-05	1.651906	8.764535	8.774045	8.719316	8.60441	8.666348	8.527292	8.853385	8.771327	8.819366	8.718374	8.62179	8.766524	8.497973	8.452818	8.415906	8.630568	8.659022	8.621587
HINT1	ENSG00000169567	-0.16158	7.83221	-4.65114	0.000214	0.000578	-0.46447	8.528254	8.552383	8.505996	8.452015	8.40928	8.428365	8.479286	8.595344	8.533331	7.255549	7.215213	7.281745	7.032233	7.029992	7.010503	7.322749	7.237434	7.241155
DTWD2	ENSG00000169570	0.480986	3.353957	5.779541	1.99E-05	7.18E-05	2.649635	3.633432	3.547555	3.454879	3.898911	4.1009	3.907468	4.023335	3.967564	3.924645	2.804042	2.991286	2.756026	3.205461	3.445301	3.234995	3.181381	3.503143	3.410407
CLIC3	ENSG00000169583	1.22693	1.872764	6.991447	1.86E-06	9.35E-06	4.976101	1.18244	1.327092	1.088647	0.934951	1.307481	0.657796	1.160105	1.001115	0.833554	3.349712	3.569479	3.70172	4.929259	4.843827	4.914999	3.152846	3.009816	2.990979
INO80E	ENSG00000169592	-0.37435	5.771628	-4.52887	0.000278	0.000731	-0.53469	6.326249	6.326918	6.286995	5.514147	5.681033	5.677574	6.124988	5.981	6.09693	5.610256	5.592102	5.689511	5.559624	5.574066	5.503472	5.561067	5.665153	5.615405
DFFB	ENSG00000169598	-0.35391	3.179939	-3.30581	0.004055	0.007888	-2.69357	3.476616	3.608619	3.477724	2.714828	2.835252	2.741673	3.370387	3.26787	3.357206	3.520882	3.463043	3.561745	3.429485	3.568213	3.353069	3.478269	3.366281	3.509302
NFU1	ENSG00000169599	0.03017	4.627732	0.50411	0.620479	0.675294	-7.30243	4.941618	5.077581	4.938064	5.16659	5.075006	5.068031	5.296262	5.21525	5.359397	4.20268	4.223947	4.314216	4.126992	4.15926	4.279586	4.361843	4.237539	4.376785
ANTXR1	ENSG00000169604	1.868909	2.04504	6.590149	3.99E-06	1.80E-05	4.518357	7.92328	8.034445	7.926113	9.950889	9.78139	9.85538	9.526779	9.518212	9.52848	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CKAP2L	ENSG00000169607	-1.67395	3.63659	-6.57755	4.09E-06	1.84E-05	4.292691	4.165822	4.080378	4.109872	3.840029	3.112982	3.560621	4.96291	4.900389	4.912549	4.114515	4.132653	4.046548	1.878105	1.819936	1.695314	4.357681	4.30899	4.347382
C15orf40	ENSG00000169609	-0.1055	4.895692	-1.27004	0.22072	0.276152	-6.78222	4.85081	4.95753	4.887776	4.532944	4.478119	4.256608	4.411387	4.357565	4.647437	5.326119	5.336211	5.378429	5.479457	5.460164	5.40806	5.031299	5.045483	5.19777
RAMAC	ENSG00000169612	0.037318	5.09031	0.633317	0.534726	0.595986	-7.44377	4.559062	4.629503	4.476008	4.227693	4.376555	4.308605	4.274204	4.474723	4.404775	5.839468	5.840072	5.870103	5.954437	6.059398	6.003179	5.777454	5.727952	5.699258
APLF	ENSG00000169621	0.053607	0.311679	0.190289	0.851275	0.877013	-6.40289	1.642349	2.009193	1.499186	1.393812	1.164793	1.123626	0.983587	1.231675	1.445026	0.88529	0.640699	1.061592	1.420179	1.282615	1.129895	1.13872	0.871168	0.93723
BOLA2B	ENSG00000169627	0.196907	1.604985	1.271137	0.220337	0.275795	-6.18097	1.384302	1.374745	1.202741	1.256461	1.556428	0.563119	1.074544	1.367163	0.925731	3.024981	3.065914	3.001185	3.422776	3.436722	3.106389	3.083983	3.046116	2.896697
HIC2	ENSG00000169635	-0.43786	3.355892	-7.77694	4.45E-07	2.74E-06	6.41895	3.420312	3.439663	3.359697	2.81607	2.970101	2.904994	3.137083	3.302095	3.124172	4.026306	4.051023	3.977706	3.663745	3.637228	3.693316	3.848182	3.757829	3.865145
LUZP1	ENSG00000169641	-0.36356	6.351122	-3.79627	0.001383	0.003012	-2.25667	6.787781	6.572745	6.635737	5.971842	5.986987	5.97285	5.817858	5.749473	5.745052	6.715578	6.728111	6.644854	6.574426	6.597663	6.586088	6.514932	6.504055	6.55129
HEXD	ENSG00000169660	0.386801	4.348426	4.387351	0.000378	0.000959	-0.67398	4.333741	4.14364	4.145977	4.092964	4.231942	4.138446	3.853933	3.711575	3.90213	4.596474	4.706242	4.66833	5.297059	5.206274	5.205617	4.563199	4.525868	4.292899
BUB1	ENSG00000169679	-1.73264	4.404398	-5.70917	2.30E-05	8.14E-05	2.343374	4.630287	4.701347	4.441562	4.448742	4.439897	4.079806	5.015513	5.150979	4.994649	5.144243	5.181778	5.296004	2.55467	2.729118	2.497588	5.240125	5.171328	5.191165
LRRC45	ENSG00000169683	-0.15589	3.802869	-1.63028	0.12093	0.163231	-6.10477	3.397161	3.494617	3.65856	3.591402	3.378481	3.247073	3.158032	3.178579	2.915195	4.455814	4.570022	4.758301	4.574134	4.412116	4.346819	4.623367	4.596923	4.122853
CHRNA5	ENSG00000169684	-0.39557	4.36715	-2.48689	0.023252	0.037501	-4.60442	4.473109	4.275018	4.288462	4.727426	4.641964	4.524999	4.637058	4.87219	4.626988	4.600298	4.463628	4.554757	3.691919	3.772912	3.586098	4.826728	4.691628	4.675424
CENPX	ENSG00000169689	0.080801	5.522646	0.601334	0.555337	0.615134	-7.46899	5.0569	4.933864	4.946277	5.612421	5.800478	5.651925	5.740105	5.764893	5.732345	5.723285	5.686355	5.809496	5.372111	5.350262	5.374084	5.811323	5.868037	5.765225
AGPAT2	ENSG00000169692	0.616865	5.179655	4.031153	0.000825	0.00191	-1.55335	5.118357	5.015049	5.090354	4.821743	5.283625	4.923071	5.267633	5.141559	5.036597	4.565511	4.68948	4.934378	5.857021	5.808237	5.673739	5.725113	5.637662	5.40033
ASPSCR1	ENSG00000169696	0.175873	4.860382	2.330939	0.031958	0.04979	-5.0675	4.965424	4.852052	4.933939	4.753186	5.194607	4.960699	4.583863	4.722281	4.732845	4.710546	4.830703	5.049965	5.09878	5.173088	5.110805	4.980783	4.971913	4.775955
FASN	ENSG00000169710	-0.29074	9.348198	-2.03915	0.056851	0.083564	-6.05886	8.741167	8.690305	8.976031	9.003994	9.182628	9.085128	8.920438	8.720827	8.854604	10.0093	10.14249	10.06725	9.403004	9.242093	9.296218	10.08943	9.999957	9.886363
CNBP	ENSG00000169714	-0.226	8.34547	-6.28889	7.18E-06	2.99E-05	2.942162	8.127864	8.199014	8.143506	7.800156	7.843047	7.799893	8.122925	8.181644	8.110821	8.690168	8.662512	8.688232	8.530321	8.563098	8.563115	8.7643	8.723485	8.788957
MT1E	ENSG00000169715	-1.07746	1.663358	-13.3784	1.29E-10	3.94E-09	14.47816	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.415731	0.106501	0.106501	7.809512	7.722828	7.669149	6.627176	6.64684	6.614559	7.638775	7.645959	7.61631
DUS1L	ENSG00000169718	-0.63978	7.36404	-8.75038	8.46E-08	6.87E-07	7.607088	7.443441	7.472429	7.540415	6.514103	6.690443	6.486449	7.287852	7.116612	7.197249	7.824302	7.789626	7.927664	7.466624	7.425891	7.411052	7.71639	7.777279	7.634682
GPS1	ENSG00000169727	0.084619	7.463342	1.81632	0.086513	0.12128	-6.30968	6.908331	6.795907	6.86206	6.897233	7.065354	6.86939	7.094929	6.815659	6.972573	7.950624	7.944935	8.053994	8.150514	8.02511	8.016561	8.041955	8.087395	7.950409
RFNG	ENSG00000169733	0.405735	5.092201	5.833284	1.79E-05	6.54E-05	2.336769	4.820675	4.893538	4.946277	5.087795	5.317749	5.097889	4.883375	4.922558	4.745547	4.971948	4.931084	5.131452	5.533393	5.468605	5.459595	5.44622	5.447207	5.341895
DCXR	ENSG00000169738	-0.00187	5.78516	-0.03836	0.969835	0.974831	-7.72412	5.278958	5.421814	5.489272	5.468225	5.525471	5.242382	5.570773	5.514266	5.537947	6.132715	6.115745	6.192181	6.131511	6.20795	6.076316	6.304044	6.287403	6.134035
ZNF32	ENSG00000169740	1.213485	4.236972	19.62521	2.38E-13	3.65E-11	20.82625	3.878801	3.936954	3.863273	5.259393	5.124043	5.102104	4.932837	4.981823	4.934903	3.322191	3.381904	3.400153	4.404034	4.407733	4.342433	4.185243	4.059571	4.274271
RAC3	ENSG00000169750	0.08842	4.404593	0.591702	0.561626	0.621107	-7.30463	4.387594	4.287521	4.326715	3.661095	3.546181	3.349911	4.274204	4.290959	4.05282	4.607916	4.672521	4.643544	5.066862	5.144398	5.171406	5.119964	5.003024	5.011626
NRG4	ENSG00000169752	-0.2375	-0.98944	-0.62086	0.542703	0.603295	-5.9982	2.19231	2.152784	2.579475	2.103714	2.264801	2.22781	2.779728	2.894433	3.124172	0.106501	0.259702	0.16959	0.106501	0.106501	0.186984	0.257084	0.106501	0.106501
LIMS1	ENSG00000169756	-0.16938	6.074568	-4.12356	0.000674	0.001594	-1.46201	6.535529	6.488612	6.48744	6.504656	6.401203	6.415394	6.458379	6.459763	6.493161	5.895008	5.849156	5.837692	5.562678	5.610755	5.603999	5.737977	5.669038	5.742817
NLGN1	ENSG00000169760	1.034173	0.078181	1.930699	0.069907	0.100341	-4.51124	1.894617	2.068355	1.853768	3.562554	3.151334	3.349911	2.832807	2.728183	2.82232	0.34397	0.583785	0.34382	0.234608	0.26996	0.106501	0.393424	0.504542	0.659518
TAPT1	ENSG00000169762	-0.07874	4.561237	-1.28937	0.214072	0.268694	-6.58556	4.85081	4.864623	4.844488	4.694564	4.694855	4.899045	5.203583	5.289629	5.278673	4.19764	4.318554	4.260892	4.191564	4.235431	4.134921	4.469892	4.333674	4.494122
UGP2	ENSG00000169764	0.361795	6.800645	4.993001	0.000103	0.000303	0.342628	6.820781	6.840077	6.719588	7.385124	7.398975	7.392565	6.88479	6.915756	6.758969	6.502231	6.578646	6.601898	6.605863	6.712276	6.785046	6.551827	6.575131	6.626654
HNRNPF	ENSG00000169813	-0.00667	8.362324	-0.16082	0.874081	0.897135	-7.93167	8.36707	8.343728	8.345258	8.441656	8.512331	8.478676	8.598545	8.667676	8.63454	8.252586	8.176085	8.218499	8.133409	8.063578	8.05995	8.455437	8.424934	8.430119
BTD	ENSG00000169814	0.701894	4.537433	7.744025	4.72E-07	2.88E-06	6.265598	5.217507	5.24399	5.211151	5.924447	5.824412	5.954316	5.609312	5.58547	5.504708	3.528929	3.633975	3.400153	4.151547	4.148793	4.169997	3.455083	3.347011	3.202807
CSGALNAC	ENSG00000169826	0.687368	4.647994	5.97354	1.35E-05	5.15E-05	2.853116	5.546927	5.398948	5.49208	6.369619	6.245934	6.317278	6.011586	5.991525	5.972785	3.695491	3.439177	3.445469	3.708564	3.921728	3.805912	3.227721	3.307681	3.241681
PCDH7	ENSG00000169851	2.2023	5.730706	7.676058	5.32E-07	3.20E-06	5.86798	3.011517	3.057038	2.848472	7.059593	6.976026	7.018455	4.730929	4.753535	4.745547	6.20983	6.161437	6.217593	7.586281	7.560304	7.578448	6.23085	6.243788	6.125399
ROBO1	ENSG00000169855	0.763634	5.37841	16.05256	6.69E-12	4.70E-10	17.55057	6.127821	6.216828	6.269099	6.88126	6.98932	7.032879	6.025902	6.053109	6.007476	4.232554	4.247042	4.300188	5.051722	4.859959	5.014844	4.098126	4.07722	4.150354
ONECUT1	ENSG00000169856	-0.51871	-0.25775	-2.05952	0.05466	0.08055	-4.31003	1.861169	1.420874	2.079636	1.393812	1.556428	1.367251	1.317361	1.605065	1.564539	0.483018	0.583785	0.449284	0.294634	0.416769	0.470356	0.63264	0.572487	0.659518
AVEN	ENSG00000169857	-0.04695	4.212606	-0.61024	0.549555	0.609414	-7.08376	5.233934	5.240779	5.183625	5.132645	4.982309	5.076625	5.099133	5.201716	5.243285	3.216534	3.295928	3.513924	3.36795	3.503965	3.608189	3.485915	3.562824	3.56145
P2RY1	ENSG00000169860	-0.62169	2.983055	-2.02809	0.058074	0.085107	-5.10912	2.884092	2.982098	2.883112	3.647423	3.855857	3.419122	3.072345	3.318907	2.959482	3.688323	3.501964	3.561745	2.009285	2.363215	2.312654	3.658228	3.554448	3.477085
TRIM56	ENSG00000169871	0.127919	6.438613	2.469423	0.024102	0.038737	-5.04015	6.211491	6.234694	6.430029	6.195008	6.259165	6.460417	6.230122	6.214549	6.295708	6.504273	6.533337	6.459265	6.720398	6.685371	6.719756	6.681512	6.683765	6.686583
WNT10B	ENSG00000169884	-0.19215	0.859555	-0.78676	0.441958	0.506182	-6.10369	2.051128	2.152784	1.954926	1.256461	2.299368	1.993763	2.908934	2.357042	2.846105	0.834246	0.695454	0.958181	0.745413	0.986036	0.760679	1.250674	1.406038	1.546329
REPS2	ENSG00000169891	0.465327	1.826427	4.703056	0.000191	0.000523	0.399593	1.12723	1.061904	1.406977	1.578054	1.556428	1.714252	1.588238	0.824004	0.925731	3.367773	3.269103	3.225594	3.691919	3.583837	3.700188	3.073871	3.081525	2.880366
SYAP1	ENSG00000169895	0.209498	6.92382	2.668132	0.01595	0.026756	-4.67918	6.910376	6.903387	6.857712	7.221752	7.189185	7.159629	7.398719	7.522513	7.377392	6.642355	6.650558	6.732995	6.734689	6.835683	6.810675	6.626366	6.634946	6.644896
TPST1	ENSG00000169902	0.577275	2.96406	2.429026	0.026183	0.041719	-4.40863	2.649532	2.596389	2.221741	4.009923	3.820593	3.91707	2.576877	3.002451	3.124172	3.058725	3.15652	3.043904	3.108457	3.04352	2.942182	3.439417	3.431768	3.631427
TM4SF4	ENSG00000169903	0.449715	-0.30033	1.149535	0.265823	0.325575	-5.57764	2.884092	2.55562	2.681399	3.142765	3.34578	3.27721	2.446718	2.290412	2.697131	0.269074	0.330605	0.34382	0.171976	0.345231	0.186984	0.106501	0.106501	0.315289
TOR1AIP2	ENSG00000169905	0.04944	6.444039	0.759314	0.457784	0.521451	-7.50468	6.199831	6.148217	6.170885	6.281638	6.180215	6.271226	6.261919	6.41355	6.33406	6.77684	6.751718	6.709305	6.754862	6.80268	6.756484	6.575313	6.352866	6.561569
TM4SF1	ENSG00000169908	0.00035	8.743755	0.003473	0.997268	0.997758	-7.95526	9.159674	9.111452	9.09185	9.2017	9.227353	9.172657	9.686929	9.717996	9.759928	8.183529	8.259936	8.252135	8.141348	8.135249	8.155865	8.04907	8.061398	8.088319
OTUD3	ENSG00000169914	-1.13744	3.936389	-17.3501	1.86E-12	1.78E-10	18.83962	4.239263	4.184325	4.345467	3.20008	3.093416	3.247073	3.747379	4.109604	3.783962	4.71408	4.709571	4.748003	3.569701	3.806595	3.658454	4.473742	4.559742	4.483349
GUSB	ENSG00000169919	-0.06461	6.439327	-0.48322	0.634936	0.68792	-7.64547	6.588866	6.61304	6.574795	7.008369	7.085301	7.078519	6.929642	6.914374	6.957639	6.278265	6.310295	6.390586	5.698025	5.733157	5.768329	6.166884	6.041387	6.095646
BRD3	ENSG00000169925	0.660626	5.38931	10.79622	3.71E-09	5.38E-08	11.00049	4.450796	4.742796	4.753809	5.268353	5.379635	5.302231	4.637058	4.489649	4.364168	5.709189	5.84159	5.85938	6.525948	6.334565	6.458146	5.901274	5.934095	5.762999
KLF13	ENSG00000169926	0.699992	4.813745	10.39902	6.58E-09	8.38E-08	10.65129	6.201502	6.160165	6.155027	6.704387	6.924362	6.903604	6.25221	6.301706	6.220361	3.165825	3.023743	3.133657	3.830164	3.717329	3.81227	3.415594	3.2466	3.050576
ZFPM2	ENSG00000169946	0.296485	-0.59411	1.244054	0.229906	0.286237	-5.75457	0.318509	0.316291	0.598525	0.635873	0.389229	0.461789	0.269385	0.106501	0.39151	1.315703	1.777644	1.49011	1.644349	2.016959	1.456457	1.177011	1.368306	1.222783
ZNF764	ENSG00000169951	0.351129	2.776088	3.379903	0.003449	0.006809	-2.35244	3.300651	3.248262	3.347346	3.591402	3.901574	3.608819	3.586698	3.26787	3.557782	2.30136	2.575707	2.272125	2.439743	2.756951	2.559363	2.583072	2.535313	2.464474
ZNF747	ENSG00000169955	-0.11317	1.610986	-0.7057	0.489673	0.552648	-6.57493	1.642349	1.744817	1.888281	1.256461	1.996426	1.123626	1.389995	1.605065	1.918715	2.338465	2.485369	2.776437	2.614772	2.533802	2.574402	2.229352	2.568968	2.442395
ZNF768	ENSG00000169957	-0.39277	5.926153	-5.10723	8.05E-05	0.000244	0.673375	6.117234	6.101184	6.214041	5.765822	5.806499	5.757249	5.490461	5.477302	5.680369	6.160176	6.202186	6.368068	5.876792	5.866886	5.826017	6.175184	6.121538	6.107972
TAS1R3	ENSG00000169962	0.603867	1.503494	3.942345	0.001003	0.00227	-1.00566	1.681202	1.374745	1.706811	2.063099	2.117603	1.422231	1.648695	1.231675	1.674905	2.100009	2.011405	1.951531	2.51737	2.565626	2.647333	2.368215	1.981819	2.464474
TMEM42	ENSG00000169964	-0.15793	3.230413	-0.91565	0.372313	0.437025	-6.7332	4.029438	3.695626	3.755225	3.123142	3.053471	2.784269	3.474265	3.214961	3.199964	3.275122	3.414909	3.312021	3.640803	3.772912	3.525482	2.979529	3.458949	3.215882
MAP3K2	ENSG00000169967	-0.15923	6.722411	-1.30499	0.208815	0.262851	-6.97454	6.859408	6.793718	6.825793	6.375851	6.239272	6.423838	6.691778	6.76748	6.706336	7.04931	7.010459	6.936582	7.042116	7.150305	7.076032	6.393148	6.415487	6.504107
PUSL1	ENSG00000169972	0.02184	4.510598	0.210618	0.835622	0.863698	-7.4957	4.006674	3.846899	4.201929	4.424898	4.573001	4.323123	4.045989	3.935218	4.042563	4.966032	4.866934	5.183964	4.893312	4.824228	4.836082	5.251384	5.121165	5.059556
SF3B5	ENSG00000169976	-0.15453	6.006673	-3.09534	0.006408	0.011891	-3.69902	6.405248	6.341981	6.365652	6.164136	6.128283	6.000211	6.197609	6.173542	6.133632	5.905864	5.752405	5.949769	5.854531	5.841114	5.791038	5.879669	5.819927	5.834677
ZNF35	ENSG00000169981	0.313046	4.211316	3.404474	0.003268	0.006488	-2.74865	3.613482	3.557914	3.431666	3.887325	3.901574	3.797394	4.034706	4.467202	4.482711	4.451587	4.479316	4.572373	4.805779	4.679032	4.845411	4.817667	4.706825	4.762652
TIGD4	ENSG00000169989	0.063021	0.702816	0.326623	0.747832	0.789296	-6.45793	1.602421	1.118985	1.256574	1.888135	1.437317	1.310092	1.588238	1.430416	1.564539	1.457372	1.467416	1.562415	1.524131	1.393161	1.247156	1.387593	1.024588	1.322858
IFFO2	ENSG00000169991	-1.25524	6.934911	-8.19604	2.15E-07	1.48E-06	6.676904	7.757631	7.681088	7.699501	6.216001	6.11136	6.174461	6.202659	6.241253	6.306464	7.571674	7.569582	7.600692	6.550006	6.604381	6.62272	7.400662	7.361452	7.396365
NLGN2	ENSG00000169992	0.56801	4.77612	6.15027	9.45E-06	3.77E-05	3.190155	5.583279	5.634949	5.56323	6.312288	6.272275	6.403488	6.059692	5.983638	6.033605	3.411958	3.741965	3.573456	3.809739	3.819851	3.644271	3.865871	3.786722	3.770842
CHD3	ENSG00000170004	0.854588	6.932404	6.388425	5.91E-06	2.51E-05	3.272801	6.565692	6.485903	6.54806	7.92085	7.926963	7.897709	7.430275	7.481101	7.453882	6.365112	6.450203	6.422504	6.740096	6.672641	6.763063	6.610714	6.684725	6.598228
TMEM154	ENSG00000170006	-0.69036	3.545482	-5.91488	1.51E-05	5.69E-05	2.845298	3.662849	3.568199	3.648527	2.577385	2.460774	2.652511	3.941119	4.050434	3.990155	4.125171	4.035189	4.012537	3.611602	3.731427	3.540876	4.23146	4.151298	4.229846
ALCAM	ENSG00000170017	0.54183	6.888129	2.683104	0.015456	0.026025	-4.67562	6.02962	5.983164	5.920865	7.507474	7.442154	7.458985	6.302469	6.223506	6.224904	7.379222	7.383585	7.403204	7.168306	7.210046	7.238863	7.056849	7.111054	7.18741
YWHAG	ENSG00000170027	-0.06581	9.444662	-1.00951	0.326502	0.389902	-7.487	9.755655	9.734813	9.694191	9.885422	9.897525	9.867658	9.764963	9.808016	9.731078	9.19736	9.155505	9.184493	8.902975	8.892266	8.893339	9.221827	9.209496	9.247231
UBE2E3	ENSG00000170035	-0.40323	6.361378	-4.31099	0.000447	0.00111	-1.12352	6.262023	6.299401	6.212339	5.938549	5.876854	5.783733	5.697811	5.676339	5.776337	6.872441	6.868756	6.938848	6.50942	6.534742	6.48426	7.093596	7.025007	6.996997
CNTROB	ENSG00000170037	0.108039	4.711323	1.881818	0.076622	0.108882	-5.80356	4.69816	4.724521	4.86196	4.904536	4.928114	4.834637	4.956946	4.944392	4.99996	4.685565	4.623947	4.63239	4.74791	4.653345	4.775553	4.481413	4.672404	4.689552
TRAPPC1	ENSG00000170043	0.36654	5.977194	9.24752	3.79E-08	3.54E-07	8.563664	6.010678	5.983164	5.999931	6.312288	6.278786	6.311829	5.882222	5.827914	5.906462	5.861941	5.724702	5.90644	6.25751	6.267213	6.199045	5.792948	5.68063	5.81333
SIMC1	ENSG00000170085	0.300179	1.36211	0.986913	0.337152	0.401061	-5.91251	4.327631	4.164126	4.418131	4.687901	4.580048	4.756563	4.045989	4.109604	4.243986	0.415169	0.330605	0.807652	0.294634	0.26996	0.651457	0.63264	0.504542	0.580851
TMEM192	ENSG00000170088	-0.10186	5.580403	-2.40666	0.027407	0.043387	-5.05744	5.5935	5.572461	5.446484	5.536571	5.375591	5.411567	5.188389	5.368459	5.37174	5.89345	5.925581	5.924843	5.785607	5.906256	5.751886	5.659012	5.659306	5.637437
AC106795.	ENSG00000170089	-0.6434	3.40609	-8.58658	1.11E-07	8.59E-07	7.713605	2.833249	2.784561	2.681399	2.103714	1.909591	2.196611	2.26554	2.389238	2.047395	5.055104	5.000678	5.195378	4.427684	4.612034	4.496442	5.018176	4.773297	4.996553
ZNF778	ENSG00000170100	-0.01516	4.083962	-0.17762	0.861063	0.885432	-7.432	3.662849	3.804029	3.736403	3.51817	3.31232	3.349911	3.719464	3.786013	3.721038	4.799721	4.699561	4.750584	4.902986	4.804359	4.857757	4.422866	4.596923	4.726565
NIPA1	ENSG00000170113	0.238456	4.439057	2.114365	0.049136	0.073259	-4.84277	7.483835	7.563278	7.591712	7.773655	7.773288	7.790129	7.641187	7.643401	7.627762	1.388276	1.529011	1.759838	1.755315	1.710321	1.851631	2.135245	1.766644	2.033602
UBE2E1	ENSG00000170142	-0.24359	6.060212	-3.82435	0.0013	0.002849	-2.13284	6.519538	6.590513	6.456147	6.13504	6.046703	6.137973	6.148732	6.173542	6.079477	5.905864	5.958134	5.917969	5.824304	5.882764	5.832286	5.915499	5.970753	5.993056

HNRNPA3	ENSG00000170144	-0.17201	8.37781	-5.18613	6.82E-05	0.000211	0.640695	8.38667	8.455292	8.402718	8.297006	8.2784	8.314906	8.517783	8.594049	8.596045	8.446682	8.381278	8.405587	8.168171	8.222056	8.180339	8.372276	8.415426	8.446851
SIK2	ENSG00000170145	0.700715	6.472436	3.850105	0.001228	0.002709	-2.08125	6.389204	6.371643	6.359515	7.731349	7.655647	7.770399	7.475831	7.535158	7.448065	5.818282	5.771644	5.708223	5.703571	5.71376	5.61313	5.971038	5.847615	5.96816
RNF150	ENSG00000170153	2.401361	1.225324	12.40131	4.30E-10	9.59E-09	13.43604	0.742531	1.061904	1.028027	1.393812	1.2379	1.669505	0.269385	0.824004	0.629397	2.18395	2.285719	1.951531	4.483553	4.553723	4.427716	2.524879	2.146913	2.033602
AL512625.	ENSG00000170161	-0.01805	1.545272	-0.07794	0.938764	0.949699	-6.85084	1.010037	0.875715	1.30847	2.021307	2.264801	1.575618	1.459147	1.301009	1.314712	2.749986	2.590228	3.043904	2.24051	2.700737	2.330481	2.625227	2.585506	2.830235
CHRNB1	ENSG00000170175	1.063635	1.901244	6.892176	2.24E-06	1.10E-05	4.999134	1.990546	1.947501	1.744977	2.359902	1.953662	2.532704	1.70672	1.658879	1.620777	1.91588	2.074736	2.07201	2.977243	3.173121	3.19663	2.794876	2.552239	2.706008
USP38	ENSG00000170185	0.511445	5.846362	8.555693	1.17E-07	8.94E-07	7.41528	5.177303	5.063109	5.207739	5.812513	5.760718	5.852905	5.897874	5.9217	5.745052	5.91203	5.963722	5.826724	6.315704	6.291205	6.267734	6.297541	6.235953	6.164701
SLC16A5	ENSG00000170190	-0.77065	4.337882	-8.86975	6.96E-08	5.87E-07	8.079785	3.983545	4.12982	3.955676	2.714828	2.71237	2.581827	3.219115	3.178579	3.199964	6.035795	5.932721	6.04222	5.414998	5.417203	5.397528	5.357309	5.391866	5.259054
NANP	ENSG00000170191	-0.75424	4.988627	-10.7821	3.79E-09	5.46E-08	11.08357	5.304069	5.272573	5.194009	4.910272	4.739596	4.751204	5.043928	5.098392	5.188519	5.445717	5.442072	5.429264	4.565023	4.433832	4.539229	5.067422	5.072132	5.150886
ADRA1B	ENSG00000170214	-0.84836	2.862481	-11.3748	1.66E-09	2.79E-08	11.93733	0.814199	1.374745	0.964748	1.256461	1.006428	0.746642	0.983587	1.001115	1.01237	6.199783	6.05815	6.224109	5.363378	5.241179	5.262439	5.987291	5.833837	5.81333
ADPRM	ENSG00000170222	0.11496	2.230191	0.928475	0.365807	0.430701	-6.41689	2.762544	2.91921	2.830836	3.083078	2.605925	2.825643	2.513265	2.938616	2.588518	2.282443	2.23117	2.34226	2.466086	2.344993	2.574402	2.317694	2.078458	1.775544
FABP6	ENSG00000170231	-1.19212	2.102731	-5.67948	2.44E-05	8.58E-05	2.566777	2.762544	2.513665	2.621113	0.841981	0.828511	0.909432	1.966276	2.220554	1.826075	3.64455	3.532361	3.419749	2.626498	3.088026	2.942182	3.133504	2.972579	3.279535
PWWP2A	ENSG00000170234	0.326241	4.967569	4.233703	0.000529	0.001292	-1.07576	4.428132	4.299916	4.249168	5.05192	5.044764	4.946703	4.96291	4.997573	4.967798	5.123134	5.128054	5.10547	5.206215	5.208795	5.229565	5.452087	5.453977	5.431488
USP47	ENSG00000170242	0.22609	5.813571	4.439938	0.000338	0.000866	-0.73003	6.050174	6.088736	6.0078	6.373776	6.30028	6.466969	6.089987	6.286829	6.231692	5.417818	5.50665	5.381764	5.551958	5.526348	5.553662	5.36976	5.456227	5.475641
PDCD6IP	ENSG00000170248	0.066788	7.330025	1.507354	0.149582	0.196467	-6.75186	7.500224	7.432173	7.449443	7.437701	7.336892	7.411371	7.257841	7.30876	7.393623	7.220573	7.287724	7.24056	7.377926	7.433996	7.490007	7.185682	7.170498	7.172398
ZNF212	ENSG00000170260	-0.12791	4.137984	-1.5771	0.132699	0.176953	-6.2228	3.774862	3.667203	3.83701	3.408969	3.188693	3.523386	3.841036	4.080322	3.832397	4.822817	4.796672	4.818593	4.795429	4.756906	4.801349	4.650836	4.729324	4.762652
FAM161A	ENSG00000170264	0.029963	2.135744	0.224415	0.825037	0.855053	-6.80612	2.917019	2.693541	2.681399	3.041869	2.881616	3.216292	2.412257	2.324112	2.440135	2.243849	2.320972	2.314614	2.009285	2.250257	2.058312	2.034568	2.006592	2.277588
ZNF282	ENSG00000170265	-0.18548	5.688378	-2.82366	0.011482	0.019965	-4.21828	5.912046	5.99274	6.023412	5.49519	5.617385	5.54451	5.840713	5.839612	5.956488	5.642139	5.593905	5.602163	5.707717	5.538426	5.622205	5.685817	5.643597	5.65194
GLB1	ENSG00000170266	0.363058	7.21642	9.803796	1.60E-08	1.75E-07	9.357341	7.347816	7.353341	7.30443	7.592875	7.628715	7.595312	7.424884	7.359411	7.475965	6.788619	6.751718	6.859158	7.255841	7.216952	7.266906	6.938544	6.982713	6.936083
GON7	ENSG00000170270	-0.1097	4.567641	-1.27144	0.220233	0.275688	-6.68988	4.296689	4.136747	4.201929	4.448742	4.284653	4.586466	4.56045	4.428995	4.647437	5.068969	5.006104	5.016036	4.693208	4.774033	4.719156	4.817667	4.805418	4.853297
FAXDC2	ENSG00000170271	0.478466	0.608745	2.420992	0.026617	0.042334	-4.50231	0.667115	0.736739	0.679585	0.106501	0.828511	0.461789	0.106501	0.253663	0.106501	3.322191	3.348126	3.305013	3.845296	3.903166	3.87435	3.31616	3.022017	3.228839
CRTAP	ENSG00000170275	0.442247	7.751851	7.430991	8.27E-07	4.66E-06	5.271613	8.659611	8.749401	8.659065	9.309805	9.194729	9.253995	9.141989	9.13247	9.146829	6.341317	6.378811	6.43138	6.645301	6.609161	6.723134	6.471302	6.41433	6.44842
ELP5	ENSG00000170291	-0.48084	5.161766	-7.19362	1.28E-06	6.77E-06	5.118737	6.26042	6.252341	6.270736	5.733834	5.600158	5.713835	6.065248	6.027768	6.056723	4.735102	4.532919	4.660116	4.260913	4.298341	4.41524	4.249541	4.377068	4.268007
CMTM8	ENSG00000170293	1.099331	4.286106	5.8403	1.76E-05	6.47E-05	2.471903	3.041689	2.76681	2.883112	4.904536	5.099733	5.143594	3.474265	3.646467	3.832397	4.645413	4.752166	4.665597	5.298892	5.211312	5.236673	4.730238	4.758787	4.684858
GABARAP	ENSG00000170296	1.959901	2.178878	13.35931	1.32E-10	3.99E-09	14.41162	1.719036	1.631689	1.62731	3.325575	3.6964	3.335661	2.806512	3.178579	3.218306	1.352446	1.725977	1.718241	2.892375	3.065945	2.821313	2.479639	2.315011	2.464474
STX8	ENSG00000170310	0.22566	4.561557	2.767856	0.012925	0.022208	-4.07706	5.246942	5.250391	5.204319	5.185634	5.194607	5.35617	5.060712	5.078784	5.18386	3.851231	3.970058	3.829308	4.337818	4.288839	4.368551	3.877544	3.863317	4.177341
CDK1	ENSG00000170312	-1.68789	5.779849	-6.12204	9.99E-06	3.96E-05	3.007534	7.200137	7.176409	7.10885	6.352868	6.329843	6.178459	7.260265	7.364481	7.178636	5.857155	5.798468	5.818136	2.760241	3.088026	2.942182	5.494399	5.509197	5.560088
UBB	ENSG00000170315	0.013141	9.405736	0.33677	0.7403	0.782842	-7.95318	9.56708	9.581744	9.545846	9.595087	9.557826	9.517118	9.695686	9.673139	9.717643	9.306575	9.165843	9.168293	9.216547	9.278104	9.242208	9.163274	9.1617	9.18958
NFRKB	ENSG00000170322	-0.11313	5.674039	-2.14522	0.046256	0.069285	-5.559	5.406168	5.31594	5.393406	5.161789	5.124043	5.223158	5.486326	5.356295	5.412136	6.152384	6.206905	6.136029	6.175078	6.018303	6.102489	5.980541	6.001889	6.019396
PRDM10	ENSG00000170325	0.033533	3.706827	0.297469	0.769615	0.808857	-7.27103	3.361722	3.298545	3.25779	3.456785	3.988879	3.797394	3.571163	3.431409	3.340558	4.172174	4.082178	4.09204	4.097807	3.766081	3.974116	4.382472	4.273707	4.428245
B3GNT2	ENSG00000170340	0.448694	4.362281	8.835937	7.35E-08	6.12E-07	8.067738	3.593253	3.557914	3.533304	4.161901	3.978251	3.936085	3.841036	3.924273	3.82044	4.826087	4.793538	4.852633	5.326113	5.115127	5.274	5.215041	5.066252	5.11295
FOS	ENSG00000170345	0.231106	1.794118	1.385489	0.183331	0.234439	-5.84427	1.336422	1.327092	1.667608	1.933905	2.229385	1.880533	2.01302	2.357042	2.165532	2.320032	2.437987	2.382761	2.542344	2.363215	2.07955	3.063688	2.841019	2.528753
TMED10	ENSG00000170348	0.564091	8.389015	7.96807	3.18E-07	2.07E-06	6.165322	7.813348	7.748774	7.664459	8.625485	8.558548	8.622439	8.25519	8.276142	8.296534	8.413106	8.412	8.373707	8.694415	8.708715	8.714189	8.624952	8.634149	8.648356
SETMAR	ENSG00000170364	0.205519	3.290828	2.583548	0.019035	0.03132	-4.20719	3.454357	3.235413	3.500214	3.392671	3.47236	3.523386	3.586698	3.40015	3.236418	3.312899	3.373534	3.476988	3.778549	3.520297	3.629946	3.31616	3.317614	3.328509
SMAD1	ENSG00000170365	-0.17363	3.830876	-2.25451	0.037258	0.057128	-4.90099	4.664623	4.796272	4.696533	4.416862	4.515354	4.337497	4.330652	4.175703	4.22597	3.552807	3.455132	3.45816	3.346841	3.495729	3.629946	3.281432	3.366281	3.176297
CST1	ENSG00000170373	-0.57784	-1.31196	-1.29773	0.211248	0.265561	-5.36249	2.296082	1.915637	2.079636	1.519216	1.437317	2.064596	3.277716	2.825515	3.69508	0.269074	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
TCAF2	ENSG00000170379	0.238633	2.356689	1.308029	0.207806	0.261673	-5.81356	3.967917	3.863696	3.93931	4.272916	4.020303	3.926609	4.998191	5.013152	4.929347	0.609835	1.369793	0.846782	1.154653	1.320413	1.17005	1.970607	1.737342	1.81044
SEMA3E	ENSG00000170381	0.672711	3.146105	2.70637	0.014718	0.024927	-4.00115	2.965042	3.114308	2.883112	2.887595	2.398361	2.557474	3.277716	3.26787	3.218306	3.471629	3.576789	3.445469	4.502766	4.600559	4.558265	2.946659	3.127424	2.944608
LRRN2	ENSG00000170382	0.875996	-1.59706	2.219519	0.039946	0.060747	-3.98106	1.681202	1.551021	1.453818	2.661411	2.549605	2.763128	1.762502	1.760835	1.445026	0.190076	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SLC30A1	ENSG00000170385	-0.9067	7.87978	-10.447	6.13E-09	7.98E-08	10.33545	8.85014	8.753914	8.760363	7.865829	7.774057	7.848376	9.117799	9.181267	9.176447	7.566308	7.443795	7.50456	6.576695	6.709608	6.707018	7.400156	7.337853	7.396365
DCLK2	ENSG00000170390	-0.3986	2.550978	-1.48299	0.155886	0.203571	-5.54929	5.891483	5.848305	5.891391	5.420792	5.438974	5.272617	5.30568	5.344028	5.169792	0.781331	0.89579	0.846782	1.308151	1.282615	1.247156	0.63264	0.924142	0.315289
ZNF804A	ENSG00000170396	0.868748	-1.267	2.586039	0.018936	0.031177	-3.33423	1.681202	1.708084	1.744977	2.48816	2.605925	2.557474	2.637802	2.938616	2.501332	0.106501	0.106501	0.16959	0.171976	0.106501	0.106501	0.106501	0.106501	0.214669
GPRC5C	ENSG00000170412	-0.3773	6.046618	-6.99588	1.85E-06	9.30E-06	4.541646	6.460736	6.399268	6.409383	5.821673	6.064398	5.897242	6.059692	6.092752	5.937239	6.267483	6.226791	6.241648	6.045689	5.967096	5.899512	5.853309	5.87814	5.724636
TMEM182	ENSG00000170417	0.576581	3.265345	5.249874	5.96E-05	0.000188	1.527954	3.509372	3.114308	3.044832	3.619685	3.588725	3.321269	3.705302	3.619579	3.708117	2.955028	3.086546	2.86487	3.680716	3.560336	3.6725	3.272618	3.485627	3.679412
KRT8	ENSG00000170421	-0.75342	10.5658	-2.84145	0.011055	0.019288	-4.58964	11.85062	11.80408	11.8477	10.28711	10.49068	10.26241	9.790343	9.758806	9.830372	10.46637	10.41503	10.46077	10.40031	10.40008	10.3705	10.57802	10.61488	10.57545
ADORA2B	ENSG00000170425	-0.93214	4.09692	-6.78663	2.74E-06	1.30E-05	4.387814	4.219602	4.204245	4.222364	2.661411	2.948483	2.998412	2.957542	3.384264	3.104585	5.165048	5.137972	5.324005	4.527992	4.51757	4.419411	5.388239	5.269267	5.177863
MGMT	ENSG00000170430	-0.35071	3.801784	-1.90425	0.073473	0.104878	-5.44378	5.313374	5.303682	5.16263	4.502891	4.694855	4.434292	4.751751	4.905964	4.967798	2.990428	2.900983	3.043904	3.332595	3.445301	3.263113	2.692858	2.680939	2.419973
METTL7B	ENSG00000170439	-0.55783	2.275892	-4.02592	0.000835	0.001929	-1.20841	1.336422	1.465573	1.453818	1.888135	1.666451	1.714252	1.588238	1.491012	0.629397	4.252132	4.287703	4.303708	3.53901	3.717329	3.608189	3.730814	3.88352	3.840032
KRT86	ENSG00000170442	1.015833	1.53622	5.443315	3.98E-05	0.000132	2.260945	1.861169	1.226787	1.499186	1.791994	1.817192	2.098749	2.513265	2.255906	2.560038	1.158593	1.265082	1.585733	2.193986	2.169719	2.399663	2.866919	2.392244	2.528753
HARS1	ENSG00000170445	-0.29589	7.431941	-9.39698	2.99E-08	2.89E-07	8.676958	7.30103	7.263636	7.26967	6.887089	6.866462	6.962751	7.146943	7.189271	7.226993	7.837322	7.86359	7.824547	7.608623	7.604539	7.611632	7.849781	7.818086	7.802249
NFXL1	ENSG00000170448	-0.74463	5.578407	-10.3352	7.22E-09	9.06E-08	10.30987	5.71081	5.692494	5.676178	4.626508	4.675247	4.735009	4.83866	4.976535	4.951444	6.441708	6.353497	6.425738	5.810235	5.828053	5.872388	6.081143	6.145437	6.179793
DENND5B	ENSG00000170456	0.967037	4.337488	6.87897	2.30E-06	1.12E-05	4.743775	5.259834	5.281977	5.207739	6.426761	6.302412	6.50726	5.774426	5.851216	5.961941	3.091698	3.023743	2.948194	3.251622	3.223865	3.421201	2.719047	2.799093	3.035906
CD14	ENSG00000170458	0.611401	2.450272	3.395551	0.003333	0.006601	-2.17472	2.833249	3.012542	2.982302	3.727576	3.878897	3.936085	3.928981	3.967564	3.946814	1.676063	1.827525	1.986992	1.711947	1.871771	1.639204	2.115663	2.465551	2.091498
DNAJC18	ENSG00000170464	1.348506	2.623353	14.07581	5.69E-11	2.15E-09	15.41199	1.791852	2.039077	1.78216	3.376187	2.991399	3.051692	2.576877	2.481727	2.501332	2.620402	2.687979	2.806521	3.768	3.772912	3.933868	3.181381	2.985098	3.328509
RIOX1	ENSG00000170468	0.117093	4.876542	2.154028	0.045463	0.068212	-5.37632	4.69816	4.847837	4.808898	5.020445	4.928114	4.956049	4.8959	4.960553	4.929347	4.880563	4.806033	4.862213	5.000827	4.925808	4.817241	5.217339	5.057388	5.06679
SPATA24	ENSG00000170469	0.604922	1.762857	3.845956	0.001239	0.002731	-1.21921	2.109269	2.308123	1.62731	2.359902	2.811499	2.532704	2.058296	1.549165	2.087859	1.891119	1.945166	2.198406	2.51737	2.549802	2.23906	1.809319	2.124453	2.119598
RALGAPB	ENSG00000170471	0.219844	6.730162	4.652565	0.000213	0.000576	-0.40736	6.627923	6.541767	6.62042	6.944119	6.735318	6.993711	6.41117	6.467323	6.387717	6.812716	6.919232	6.811122	6.975485	7.041353	6.990319	6.693945	6.635939	6.787461
PYM1	ENSG00000170473	-0.40823	5.165614	-5.05973	8.90E-05	0.000267	0.695145	5.501516	5.401827	5.600136	4.784753	4.807214	4.72411	5.066264	5.053893	5.229787	5.393783	5.310132	5.41143	5.202303	5.208795	5.205617	5.306398	5.356168	5.164438
KRT4	ENSG00000170477	-0.14141	1.281858	-1.37127	0.18764	0.239305	-6.62502	0.216396	0.582935	0.106501	0.395333	0.730585	0.3528	0.106501	0.106501	0.106501	6.100676	5.946895	6.098018	5.940413	5.852446	5.800662	4.315393	4.328771	4.21038
NPAS2	ENSG00000170485	-0.23916	6.784742	-1.94523	0.068015	0.097942	-5.93723	8.566048	8.53348	8.602698	7.982723	7.968502	7.945411	7.951282	7.877035	7.988586	5.293423	5.363942	5.386751	5.669971	5.67599	5.629423	5.302073	5.394214	5.356727
LONRF2	ENSG00000170500	0.8559	1.953863	2.654894	0.016399	0.027431	-3.34418	5.713155	5.711177	5.771708	6.679412	6.493661	6.710052	6.182352	6.116987	6.089476	0.54782	0.462741	0.397516	0.407676	0.190544	0.470356	0.183756	0.358227	0.214669
NUDT9	ENSG00000170502	0.093336	5.659542	1.607428	0.125874	0.168975	-6.3978	5.887335	5.956007	5.887131	6.1997	6.219102	6.068583	5.774426	5.888297	6.004837	5.364851	5.473744	5.456399	5.373851	5.388576	5.36978	5.404468	5.331868	5.362617
PA2G4	ENSG00000170515	-0.76895	7.782559	-17.7877	1.23E-12	1.33E-10	19.1285	8.464255	8.469764	8.444631	7.598215	7.72404	7.616831	7.930886	7.898165	7.863793	7.962557	7.853092	7.9458	7.193652	7.189768	7.225825	7.649879	7.590198	7.590817
COX7B2	ENSG00000170516	-0.11919	0.364943	-1.45852	0.162433	0.210781	-6.30697	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	4.85838	4.869913	5.016036	4.739835	4.80769	4.807727	4.879929	4.897703	4.865793
ELOVL6	ENSG00000170522	0.006	5.024231	0.089225	0.929917	0.942691	-7.58901	4.538049	4.609725	4.595711	4.809518	4.992907	4.745826	4.938902	4.819999	4.758139	5.364851	5.314511	5.344656	5.27674	5.162721	5.171406	5.600342	5.595419	5.63257
KRT83	ENSG00000170523	-0.43644	0.788793	-1.39278	0.18115	0.231921	-5.57582	2.345296	2.76681	2.469799	1.634586	1.498102	1.475193	1.762502	1.301009	1.171446	1.278001	1.152172	1.158083	1.420179	1.560439	1.580823	0.517985	1.206659	1.115245
PFKFB3	ENSG00000170525	-0.55249	6.897344	-10.4853	5.80E-09	7.63E-08	10.42067	6.583748	6.629094	6.578763	5.892928	6.135476	6.094204	6.55434	6.429119	6.535834	7.492095	7.607105	7.553427	7.055731	6.993898	6.995915	7.743754	7.759625	7.760474
TMC7	ENSG00000170537	0.085845	5.245127	0.536579	0.598323	0.655381	-7.4753	5.364998	5.485601	5.344527	6.225234	5.981675	6.133861	5.115291	4.894793	4.989319	5.400378	5.419887	5.468994	5.012045	4.847068	5.017597	4.874113	4.747809	4.819433
ARL6IP1	ENSG00000170540	-0.4838	7.397885	-5.61065	2.82E-05	9.71E-05	1.624557	7.504293	7.528807	7.415088	7.344394	7.246777	7.33194	7.94903	7.940199	7.90259	7.58138	7.505427	7.50876	6.71903	6.806847	6.773689	7.422242	7.439715	7.405666
SERPINB9	ENSG00000170542	-0.6008	0.459937	-3.19442	0.005169	0.009793	-2.24157	5.983734	5.973524	5.957896	5.290513	5.367468	5.404757	6.552364	6.530034	6.651711	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SMAGP	ENSG00000170545	-0.3182	4.69012	-3.55501	0.002349	0.004849	-2.6059	4.302931	4.150501	4.188143	3.408969	3.362223	3.321269	3.474265	3.592179	3.406029	5.936438	5.865664	5.930545	5.681258	5.878019	5.740264	5.882568	5.866346	5.785098
CDH2	ENSG00000170558	0.525823	2.127714	1.901507	0.073851	0.105345	-5.28641	1.286899	1.002471	0.964748	2.688367	3.112982	3.103073	1.588238	1.85606	1.445026	3.102524	3.356645	3.400153	3.165832	3.162755	3.234995	2.890155	3.022017	2.863849
IRX2	ENSG00000170561	0.04635	0.07951	0.261276	0.796934	0.83119	-6.27577	5.008072	5.106095	5.264677	5.290513	5.157403	5.076625	5.37889	5.285358	5.431918	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
EMB	ENSG00000170571	0.751274	6.146299	11.61105	1.21E-09	2.18E-08	12.09338	5.313374	5.201677	5.20089	5.797117	5.77614	5.770552	5.36994	5.612996	5.439755	6.509367	6.62434	6.455315	7.340594	7.3869	7.422006	6.563618	6.656631	6.61683
SIX2	ENSG00000170577	0.464599	1.142284	1.340598	0.197217	0.249819	-5.94217	0.41387	0.410755	0.219246	1.978268	1.909591	1.880533	0.886508	1.001115	0.833554	2.558849	3.086546	3.157196	2.911671	2.784257	2.589286	2.957699	2.711397	2.610232
DLGAP1	ENSG00000170579	-0.31685	-0.51626	-0.84755	0.408145	0.473234	-5.81476	1.826927	2.152784	1.954926	1.888135	1.768674	1.422231	2.779728	2.357042	2.560038	0.269074	0.259702	0.449284	0.352262	0.190544	0.404558	0.183756	0.19538	0.214669
STAT2	ENSG00000170581	0.785406	4.85878	9.769614	1.68E-08	1.82E-07	9.494175	3.43175	3.335139	3.270929	4.584077	4.478119	4.386706	3.788265	4.166444	3.979442	5.600742	5.83093	5.568909	6.348819	6.268422	6.300889	5.70232	5.753789	5.85153
NUDCD2	ENSG00000170584	-0.52947	5.183166	-7.15271	1.38E-06	7.22E-06	4.990317	5.932319	5.891946	5.81496	5.067404	5.152684	5.159862	5.333571	5.495903	5.574002	5.183009	5.074835	5.111508	4.808355	4.866361	4.788509	4.996928	5.012228	4.784756
IRF2BP1	ENSG00000170604	0.326278	4.788334	3.489502	0.002713	0.005512	-2.68004	4.600191	4.677795	4.647003	4.727426	4.987618	4.543715	4.702691	4.444399	4.889843	4.663802	4.748933	4.909182	5.214008	5.216333	5.255457	5.20581	5.02441	4.698895
HSPA4	ENSG00000170606	0.117967	8.858761	1.640342	0.118806	0.160607	-6.66075	8.962589	8.985937	8.948952	9.361749	9.249897	9.233486	8.800239	8.849343	8.84283	8.722546	8.697514	8.710778	8.639595	8.659104	8.632119	8.758985	8.676496	8.784027
COMMD5	ENSG00000170619	-0.07866	5.701643	-1.50097	0.151213	0.198244	-6.6184	5.246942	5.29442	5.16263	4.904536	5.221894	5.068031	5.026946	4.837607	4.945952	6.447027	6.368317	6.458476	6.460307	6.348353	6.380055	6.417342	6.363693	6.24183
GTSF1	ENSG00000170627	-0.09097	0.426449	-1.59732	0.128116	0.171581	-6.17934	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.133727	5.092794	5.320535	5.062552	5.131167	5.055606	5.194188	5.104049	5.252725
DPY19L2P	ENSG00000170629	-0.6531	0.229965	-2.43959	0.025623	0.040946	-3.80184	1.12723	1.551021	1.202741	1.104644	1.307481	1.475193	0.983587	1.082132	0.925731	1.423238	1.369793	1.562415	1.088368	0.7293	0.707101	0.837776	1.581179	0.93723
ZNF16	ENSG00000170631	-0.1377	3.930693	-2.1043	0.05011	0.074547	-5.32481	3.774862	3.872022	3.707702	3.425084	3.34578	3.472196	3.523527	3.521314	3.437684	4.464232	4.407337	4.586891	4.467344	4.513497	4.411058	4.511692	4.547132	4.562249
ARMC10	ENSG00000170632	-0.11856	5.919871	-1.14356	0.268229	0.328183	-7.05736	6.3789	6.396385	6.413832	5.913065	5.741991	5.882614	5.916435	5.983638	5.914921	5.733768	5.699809	5.724072	5.987775	5.983386	5.942167	5.792948	5.825159	5.77188
RNF34	ENSG00000170633	-0.74668	5.30705	-12.9394	2.19E-10	5.75E-09	13.97283	5.509634	5.557053	5.573871	4.938614	5.152684	4.859751	5.422829	5.450851	5.420081	5.745902	5.68973	5.671915	4.890883	4.777434	4.917949	5.444259	5.6177	5.572848
ACYP2	ENSG00000170634	-0.67097	2.786943	-8.43138	1.44E-07	1.07E-06	7.633375	3.156438	3.027527	3.162305	2.661411	2.686486	2.346268	2.186178	2.184314	2.560038	3.772076	3.647924	3.819506	3.083152	3.213858	3.137101	3.16242	3.138674	3.050576
TRABD	ENSG00000170638	0.100892	5.381939	1.357943	0.191755	0.243805	-6.73	5.337898	5.407565	5.522611	5.320976	5.565074	5.298562	5.120637	5.164994	5.193163	5.326119	5.303538	5.564514	5.585386	5.61266	5.60033	5.589736	5.629711	5.371408
NA	ENSG00000170647	1.226365	0.951675	7.758962	4.60E-07	2.82E-06	6.621957	0.947665	1.061904	0.898566	1.74141	1.373859	1.623325	1.389995	1.001115	1.171446	1.555182	1.989662	1.67541	2.661114	2.756951	2.716753	1.387593	1.547811	1.665483
ATF7	ENSG00000170653	0.168988	4.905527	2.348893	0.030819	0.048163	-4.97626	5.38573	5.312885	5.251481	5.740289	5.532753	5.716587	5.473848	5.443204	5.463015	4.443094	4.562677	4.444286	4.464081	4.381153	4.464508	4.522885	4.338561	4.305185
SOCS6	ENSG00000170677	0.299472	5.860798	5.897715	1.57E-05	5.86E-05	2.40851	6.344518	6.305561	6.435874	6.594678	6.592794	6.675109	6.487637	6.555084	6.557606	5.1779	5.184173	5.111508	5.520882	5.352544	5.574382	5.15875	5.176796	5.194471
ZNF296	ENSG00000170684	-0.50044	1.986659	-2.94159	0.008925	0.015949	-3.21425	2.109269	2.206444	2.492412	1.393812	1.909591	1.919272	2.01302	1.430416	2.309357	2.635389	2.741	2.920951	2.452975	2.533802	2.330481	3.236813	2.908298	2.629903
HOXB9	ENSG00000170689	-0.17837	-1.28682	-0.67323	0.509608	0.571569	-5.96891	2.707144	2.819419	2.492412	2.48816	2.490996	2.481849	1.917967	2.147141	2.165532	0.106501	0.106501	0.16959	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
POLH	ENSG00000170734	-0.41622	4.251788	-5.12893	7.69E-05	0.000235	1.096953	4.888652	5.022548	4.917323	4.733909	4.544465	4.761901	4.772276	4.819999	4.923769	3.926269	4.122698	3.999574	3.507651	3.375198	3.571181	4.000079	3.967936	4.157149
KCNS3	ENSG00000170745	-0.12624	2.511021	-0.76335	0.455438	0.519314	-6.78025	2.949211	2.9974	3.06005	2.325974	1.768674	2.258349	1.966276	2.069791	2.202855	3.303547	3.044983	3.393562	3.53901	3.576046	3.353069	2.625227	2.680939	2.760563
KIF5B	ENSG00000170759	-0.29477	7.977306	-8.42316	1.46E-07	1.08E-06	7.011944	8.278388	8.26491	8.283795	7.973165	7.913776	7.998952	8.321687	8.349058	8.260481	7.909605	7.930741	7.888646	7.61305	7.639069	7.648073	7.761975	7.839359	7.824827
GPR37	ENSG00000170775	1.263681	5.36681	6.784619	2.75E-06	1.31E-05	4.29534	4.992709	4.949684	4.974661	6.530955	6.537759	6.499291	6.550384	6.515521	6.51001	4.61171	4.599033	4.395637	5.411614	5.29912	5.278599	4.552316	4.517274	4.627304
AKAP13	ENSG00000170776	-0.12634	7.422516	-1.82331	0.085407	0.119871	-6.28263	7.51643	7.576712	7.667567	7.429736	7.473711	7.681642	7.453763	7.392547	7.408676	7.635958	7.746925	7.452395	7.441952	7.376284	7.431329	7.032907	7.020453	7.024194
CDCA4	ENSG00000170779	-1.65486	5.858054	-18.1479	8.80E-13	1.05E-10	19.56578	6.26042	6.143066	6.259244	4.367681	4.7142	4.562192	5.605504	5.535999	5.660384	6.771763	6.818764	6.950683	5.252352	5.370673	5.236673	6.859077	6.819283	6.800538
SDR16C5	ENSG00000170786	0.677196	0.740749	5.064547	8.81E-05	0.000264	1.077773	0.41387	0.410755	0.323815	0.106501	0.25478	0.2349	0.269385	0.387194	0.256032	3.77884	3.695711	3.674791	4.534231	4.358622	4.476566	3.6717	3.870083	3.865145
CHCHD7	ENSG00000170791	0.177521	4.882047	3.51628	0.002558	0.005231	-2.7106	3.810347	3.804029	3.819232	4.190466	3.988879	4.096805	3.928981	4.080322	3.968647	5.952982	5.862677	5.931683	6.014793	6.140876	6.000398	5.731559	5.819927	5.845233
FOXN2	ENSG00000170802	-0.64936	4.893067	-9.71175	1.84E-08	1.95E-07	9.496732	5.075249	5.070363	5.037516	4.612502	4.720591	4.627987	5.478019	5.506949	5.383978	5.046721	5.035583	5.103452	4.230502	4.298341	4.288734	5.09268	5.143675	5.246367
USP32	ENSG00000170832	0.279665	5.743401	4.709693	0.000188	0.000516	-0.17119	5.297832	5.288212	5.30675	5.797117	5.713437	5.875244	5.490461	5.546744	5.493457	6.035795	6.033125	5.894818	6.147876	6.082954	6.081589	5.884016	6.004966	5.913032
CEL	ENSG00000170835	0.318378	0.318166	0.758816	0.458075	0.521615	-6.15291	1.519087	1.173893	2.079636	1.182548	0.828511	0.657796	0.670238	1.231675	1.674905	0.88529	1.029669	0.639567	1.621093	1.528499	1.749324	1.177011	1.368306	1.222783
PPM1D	ENSG00000170836	-0.45493	4.871949	-7.38502	8.99E-07	5.00E-06	5.501806	5.32875	5.218099	5.3383	4.87551	4.764552	4.894191	5.494585	5.380521	5.673738	4.762664	4.806033	4.755733	4.348478	4.255082	4.411058	4.777733	4.740443	4.806527
GPR27	ENSG00000170837	0.83091	-1.01722	2.900321	0.009749	0.017265	-2.76843	2.629805	2.784561	2.621113	3.503067	3.574682	3.711713	2.832807	2.938616	2.560038	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC093323.	ENSG00000170846	-0.77542	5.050985	-10.4243	6.34E-09	8.16E-08	10.47295	4.12413	4.412648	4.281987	3.933121	3.956756	4.000731	3.774765	3.90213	3.935772	6.565216	6.713262	6.530091	5.729627	5.686883	5.725182	6.215985	6.274712	6.193077
KBTBD2	ENSG00000170852	-0.20889	5.489625	-2.76422	0.013025	0.02236	-4.25928	5.885257	6.043381	5.93744	5.85774	5.865364	5.937902	6.351036	6.405702	6.31288	5.123134	5.188951	5.079012	4.761267	4.736081	4.804542	5.122419	4.940116	5.102428
RIOX2	ENSG00000170854	-0.1595	5.821964	-1.69433	0.107946	0.147536	-6.29378	6.285853	6.356888	6.298269	5.746715	5.785315	5.825123	6.116986	6.166593	6.074452	5.66057	5.502818	5.531872	5.736406	5.754024	5.72012	5.533662	5.534971	5.644707
TRIAP1	ENSG00000170855	-0.29886	6.229697	-4.82079	0.000148	0.000419	0.063035	7.166301	7.23245	7.143195	6.762618	6.792555	6.812646	6.765297	6.703301	6.658443	5.709189	5.636504	5.722758	5.497128	5.572109	5.457569	5.60386	5.58723	5.706224
LSM3	ENSG00000170860	-0.49631	5.385049	-11.0386	2.64E-09	4.04E-08	11.3945	5.51233	5.575013	5.549817	5.004446	5.044764	5.00189	5.267633	5.45466	5.556087	5.712726	5.667648	5.770599	5.256131	5.253444	5.280893	5.566486	5.493948	5.605504
KIAA0232	ENSG00000170871	-0.12933	6.561261	-1.5523	0.13851	0.183567	-6.59358	6.910376	6.884992	6.867476	6.733796	6.732159	6.848215	7.166459	7.224273	7.191458	6.362863	6.364099	6.293907	6.179064	6.1991	6.194185	6.072282	6.008036	6.164701
TMEM43	ENSG00000170876	-0.05177	6.684901	-0.62237	0.541731	0.602426	-7.62024	6.849848	6.892174	6.810127	6.410664	6.523209	6.433907	6.548402	6.752088	6.678454	6.655279	6.675457	6.676421	6.881975	6.929624	6.891706	6.69971	6.643857	6.636412
RNF139	ENSG00000170881	0.556978	5.842166	14.91749	2.22E-11	1.10E-09	16.25516	5.187459	5.091908	5.116065	5.797117	5.697326	5.680396	5.63569	5.581992	5.660384	5.887203	5.91264	5.917969	6.470101	6.42842	6.374696	6.475148	6.354073	6.377466
RPS9	ENSG00000170889	-0.12685	8.829087	-2.44983	0.025091	0.040164	-5.25534	9.121999	9.068854	9.109785	8.784227	8.9116	8.727473	9.040583	9.008082	8.989869	8.749055	8.654977	8.686885	8.700321	8.753226	8.724969	8.632507	8.667543	8.651066
TSEN34	ENSG00000170892	-0.16388	6.15677	-2.61089	0.01798	0.029771	-4.75149	5.983734	6.083368	6.033084	5.608898	5.836231	5.608136	5.523124	5.376512	5.451432	6.645134	6.717402	6.846544	6.670298	6.685371	6.748219	6.555465	6.483245	6.361377
GSTA4	ENSG00000170899	-0.26106	3.501896	-3.95876	0.000967	0.0022	-1.45459	3.43175	3.323044	3.309643	3.083078	2.991399	3.200652	3.137083	3.002451	2.846105	4.513734	4.331577	4.428251	4.097807	4.250194	4.213876	3.685048	3.808018	3.805852
MSANTD4	ENSG00000170903	0.332402	5.151247	5.965527	1.37E-05	5.22E-05	2.578216	4.683882	4.830853	4.616447	4.915985	5.029402	4.93257	4.730929	4.728586	4.813478	5.495847	5.516188	5.4389	5.855776	5.971557	5.711642	5.482982	5.322033	5.420236
NDUFA3	ENSG00000170906	0.218396	5.463064	4.754279	0.000171	0.000475	-0.02779	5.190829	5.355074	5.234814	5.420792	5.419464	5.283793	5.310366	5.327507	5.338588	5.608358	5.4835	5.564514	5.910753	5.788145	5.794253	5.64542	5.633692	5.63257
NUDT6	ENSG00000170917	-0.61429	3.446402	-4.16607	0.000614	0.001468	-0.69961	5.596044	5.567343	5.681107	4.833866	4.776871	4.913508	4.825625	4.747338	4.764393	2.18395	2.249583	2.228347	2.044674	2.381211	2.312654	2.095813	2.169028	2.374055
TPT1-AS1	ENSG00000170919	0.524862	1.429534	3.674016	0.001809	0.003847	-1.50275	1.959273	1.849715	1.744977	1.840866	2.264801	2.164723	1.966276	1.85606	1.620777	1.646779	1.699433	1.585733	2.270712	2.190279	1.876113	2.095813	1.707432	1.942153
TANC2	ENSG00000170921	0.876413	6.059129	16.3942	4.74E-12	3.67E-10	17.80435	4.803168	4.80064	4.866295	5.569568	5.554381	5.751893	4.765467	4.747338	4.700591	6.822571	6.835621	6.594014	7.67435	7.596859	7.63558	6.922433	7.002091	6.94298
DNAJC24	ENSG00000170946	0.286869	3.189605	2.527432	0.021385	0.034807	-4.17841	3.719942	3.741788	3.489013	3.740513	3.734793	3.797394	4.358069	4.238905	4.063004	2.427256	2.804649	2.522234	3.100071	2.837366	3.010124	2.878584	3.009816	2.975687
ZNF160	ENSG00000170949	0.521933	4.367414	6.73824	3.00E-06	1.41E-05	4.220508	3.373632	3.704977	3.511328	3.966538	3.574682	3.848471	3.19904	3.724251	3.406029	4.971948	5.051412	4.974681	5.626839	5.50599	5.587414	5.226496	5.435851	5.445432
ZNF415	ENSG00000170954	0.920636	-0.04475	8.983775	5.78E-08	5.01E-07	8.51243	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.77884	3.398501	3.579277	4.489986	4.501207	4.523816	4.083081	4.156841	4.242679
CAVIN3	ENSG00000170955	-0.22852	-0.11406	-0.90677	0.376859	0.441551	-6.44951	0.106501	0.106501	0.219246	0.258133	0.512209	0.2349	0.269385	0.106501	0.256032	2.574485	2.991286	3.149392	2.399306	2.714997	2.481722	3.940112	3.690624	3.455199
PDGFD	ENSG00000170962	0.751428	2.523206	4.643698	0.000217	0.000586	0.249919	1.561356	1.591918	2.079636	2.714828	3.278066	3.231764	2.01302	1.658879	2.087859	3.420635	3.065914	3.346558	3.593793	3.703092	3.740748	3.053433	3.127424	3.149291
PLAC1	ENSG00000170965	-0.10713	1.71998	-0.49621	0.625928	0.679971	-6.6559	2.021155	1.849715	2.109199	1.326771	1.373859	1.250575	2.545421	2.255906	2.165532	2.392392	2.249583	2.369387	2.661114	2.517623	2.604018	2.211015	2.315011	2.226823
HS6ST2	ENSG00000171004	-0.11159	6.124095	-2.56259	0.019882	0.032618	-4.83127	5.899743	5.893992	5.86564	5.815573	5.868245	5.902086	5.609312	5.749473	5.794788	6.501209	6.539897	6.594014	6.373383	6.371043	6.39813	6.512126	6.440703	6.49609
PYGO1	ENSG00000171016	-0.00495	3.364376	-0.02991	0.976476	0.98033	-6.9801	4.776503	4.594711	4.647003	4.857809	4.877535	4.923071	4.986526	4.784126	4.674259	2.574485	2.388995	2.30059	1.935792	1.921808	1.923865	2.794876	2.48331	2.724423
LRRC8E	ENSG00000171017	0.763363	3.483417	7.589025	6.22E-07	3.65E-06	6.078475	3.056542	2.71221	2.661582	3.875646	3.878897	3.848471	3.490873	3.491964	3.468658	3.420635	3.509623	3.71764	4.002038	4.127629	4.083285	4.031767	3.779553	3.961444
PKIA	ENSG00000171033	0.533104	2.768399	5.03571	9.37E-05	0.000279	1.251435	3.476616	3.298545	3.25779	4.009923	3.683372	4.027574	3.841036	3.646467	4.042563	2.01088	2.074736	2.136592	2.42639	2.398985	2.330481	2.400938	2.429363	2.549558
XKR6	ENSG00000171044	0.4818	1.119263	2.684542	0.01541	0.025952	-3.51625	1.681202	1.591918	1.667608	2.21912	1.864131	1.475193	1.762502	1.15884	1.314712	1.586365	1.588084	1.562415	2.162115	1.846087	2.014873	1.759719	1.90484	1.322858
TSNARE1	ENSG00000171045	0.231386	2.892711	2.203929	0.041201	0.062481	-4.90204	2.933205	2.730641	3.104764	2.887595	2.737798	2.481849	2.576877	2.451551	2.616448	3.367773	3.455132	3.240362	3.768	3.793216	3.68641	3.333216	3.193646	3.241681
FPR1	ENSG00000171051	-0.48525	-0.71173	-2.98355	0.008155	0.014709	-3.10985	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	3.196464	3.15652	3.325935	2.614772	2.938056	2.633039	2.75746	2.535313	2.760563
FEZ2	ENSG00000171055	-0.16874	6.07135	-1.37666	0.185996	0.23757	-6.76314	7.068027	7.106683	7.07554	6.500859	6.519549	6.486449	6.404611	6.504541	6.439449	5.302841	5.425972	5.39172	5.638468	5.697694	5.685908	5.479156	5.54346	5.448204

SOX7	ENSG00000171056	-1.13816	0.533214	-4.29857	0.000459	0.001136	0.053473	4.158957	4.051346	4.394314	2.955742	3.053471	3.247073	3.747379	3.879643	3.4839	0.483018	0.259702	0.34382	0.234608	0.26996	0.263213	0.183756	0.433238	0.315289
C11orf24	ENSG00000171067	0.007112	6.123725	0.056701	0.955426	0.962999	-7.77122	5.653347	5.734195	5.666267	6.147234	6.140251	6.174461	5.646849	5.447033	5.56328	6.577878	6.496229	6.557624	6.186014	6.235415	6.339916	6.713616	6.650749	6.694778
FAM86JP	ENSG00000171084	-0.13611	2.272135	-1.02495	0.319364	0.382726	-6.57622	2.218961	2.179863	2.166567	1.104644	1.556428	1.840725	1.588238	1.491012	1.50602	3.479955	3.313538	3.669344	3.557503	3.544454	3.533199	3.516101	3.422593	3.487904
KYAT1	ENSG00000171097	-0.26776	3.747105	-2.03345	0.057479	0.084347	-5.21651	4.901049	4.742796	4.929803	4.3081	4.327153	4.249025	4.6445	4.583078	4.620106	3.102524	2.877496	2.93917	3.259174	3.04352	3.177059	3.123735	3.356678	3.477085
MTM1	ENSG00000171100	-0.18343	3.976932	-3.94937	0.000987	0.002239	-1.50429	4.152058	4.17089	4.138828	4.031135	4.030628	4.071231	3.80164	3.924273	3.935772	4.271447	4.278766	4.331562	4.068019	4.084346	4.093761	4.031767	3.929587	3.897964
TRMT61B	ENSG00000171103	0.126245	4.232848	1.89925	0.074164	0.105717	-5.69715	4.152058	4.190995	4.255791	4.605448	4.301803	4.473866	4.205428	4.282412	4.00079	4.421642	4.411431	4.348702	4.505944	4.472117	4.265755	4.285035	4.205799	4.203832
INSR	ENSG00000171105	-0.19119	1.587017	-0.99555	0.333053	0.396695	-6.07428	3.313074	3.461896	3.489013	3.020814	3.073582	3.03415	2.724622	3.178579	2.959482	0.934589	0.941811	1.094478	1.088368	1.2438	1.320349	1.058946	1.2488	1.416439
MFN1	ENSG00000171109	0.294884	5.632753	6.569844	4.15E-06	1.86E-05	3.738029	5.163648	5.102561	5.16615	5.576799	5.57216	5.535187	5.333571	5.241941	5.229787	5.969338	5.909748	5.979782	6.096106	6.245274	6.149693	5.891232	5.840742	5.938889
KCNMB3	ENSG00000171121	0.219605	0.702543	1.10201	0.285401	0.346515	-6.08642	1.336422	1.118985	0.679585	0.841981	1.006428	0.984419	0.886508	0.509405	0.925731	2.14259	2.249583	1.631268	2.270712	1.946191	2.465679	1.992244	2.030948	1.942153
FUT3	ENSG00000171124	-0.26586	0.130216	-2.35433	0.030482	0.047699	-4.70029	0.216396	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	3.97421	4.152359	4.16352	3.845296	3.839509	3.767168	4.777733	4.874338	4.832225
KCNG3	ENSG00000171126	-0.97603	0.332971	-2.69249	0.015154	0.025568	-3.29276	1.18244	1.173893	1.146821	1.326771	1.373859	1.123626	1.160105	1.760835	1.50602	1.676063	1.190799	1.696985	0.352262	0.888753	0.707101	1.286141	1.329561	1.58715
ATP6V0E2	ENSG00000171130	0.632828	4.846062	5.505065	3.50E-05	0.000118	1.732647	4.95357	4.715296	4.85325	5.818626	5.957528	5.716587	5.178171	5.002785	5.202407	4.408616	4.467566	4.586891	4.745223	4.704269	4.739314	4.418877	4.580516	4.150354
PRKCE	ENSG00000171132	-1.34744	4.259432	-8.85548	7.12E-08	5.95E-07	8.194789	5.485141	5.372784	5.517107	3.487804	3.588725	3.666886	4.235306	4.09991	4.112876	4.835851	4.658809	4.69538	3.904282	3.819851	3.892464	4.249541	4.400624	4.129778
JAGN1	ENSG00000171135	-0.15695	5.631605	-2.41994	0.026674	0.042397	-5.02473	5.897683	5.957964	5.826129	5.521661	5.561519	5.428451	5.597858	5.517911	5.523269	5.694953	5.618907	5.742345	5.682663	5.727893	5.745256	5.679162	5.641622	5.542033
TADA3	ENSG00000171148	0.191716	6.134651	3.228739	0.004797	0.009163	-3.47505	5.263039	5.240779	5.22472	5.232173	5.450555	5.490866	5.624444	5.450851	5.416114	6.970249	6.850023	6.87876	7.143017	7.092768	7.070738	6.854654	6.814907	6.791833
SOCS5	ENSG00000171150	0.265122	4.813085	3.508262	0.002603	0.005313	-2.61448	4.794334	4.624584	4.786199	5.156973	4.933626	5.033133	5.173034	5.112925	5.216162	4.663802	4.765022	4.660116	4.91976	4.950123	4.832959	4.62683	4.668528	4.665927
C1GALT1C1	ENSG00000171155	0.525436	5.807465	5.409571	4.27E-05	0.000141	1.384575	5.907956	5.850414	5.897758	6.416721	6.334017	6.497692	6.499996	6.579706	6.598441	5.276793	5.102956	5.258407	5.662871	5.719076	5.718428	5.165907	5.271824	5.284099
C9orf16	ENSG00000171159	0.386873	5.548324	3.886057	0.001135	0.002526	-1.95051	5.353017	5.471972	5.544416	5.456512	5.543607	5.35617	5.482179	5.293887	5.404147	5.339908	5.500898	5.643029	6.177072	6.103425	6.162191	5.660702	5.564469	5.388831
MORN4	ENSG00000171160	-0.48049	3.678353	-3.01056	0.007695	0.013967	-3.36636	4.945613	5.003727	4.822347	3.898911	3.912781	4.178918	3.916741	4.119235	4.112876	3.206534	3.356645	3.218152	3.374919	3.301515	3.387537	3.113899	3.256961	3.279535
ZNF672	ENSG00000171161	0.54884	5.234959	4.933214	0.000117	0.000339	0.495367	5.546927	5.634949	5.70066	6.352868	6.546779	6.418777	6.239981	6.075543	6.331956	4.395472	4.296585	4.472706	4.558917	4.573423	4.468538	4.720549	4.460128	4.268007
ZNF692	ENSG00000171163	-0.45854	4.445327	-4.98309	0.000105	0.000308	0.718887	5.356021	5.221361	5.267957	4.612502	4.551652	4.531264	4.998191	4.900389	4.88411	4.187508	4.382523	4.071539	4.055062	4.073319	4.01878	3.97856	4.011424	4.18401
NAIF1	ENSG00000171169	0.233168	3.783144	3.299264	0.004113	0.007989	-2.8646	3.756787	3.568199	3.688245	3.661095	3.844198	3.620621	3.690999	3.773871	3.759121	3.851231	3.842432	3.81458	4.151547	4.230476	4.083285	4.213151	4.348284	4.101878
RBKS	ENSG00000171174	-0.31212	2.781688	-1.13045	0.273562	0.333963	-6.36253	3.593253	3.405656	3.334887	2.291228	2.117603	2.064596	3.115825	3.506713	3.641718	2.83033	2.958081	2.911754	3.332595	3.173121	3.412858	2.509956	2.784842	2.960231
TMEM126A	ENSG00000171202	-0.08842	4.421925	-1.54671	0.139848	0.185048	-6.24706	4.721647	4.673038	4.621585	4.647264	4.537243	4.598452	4.659269	4.771967	4.694053	4.341661	4.394983	4.379049	4.32708	4.190213	4.315833	4.469892	4.140146	4.347382
TMEM126B	ENSG00000171204	-0.10936	4.997144	-1.72376	0.102394	0.140758	-6.15798	4.500523	4.624584	4.458888	4.707799	4.675247	4.685302	4.599263	4.855002	4.6676	5.617821	5.555569	5.561577	5.356354	5.357098	5.271695	5.452087	5.428995	5.434288
TRIM8	ENSG00000171206	0.3046	5.553755	5.220058	6.35E-05	0.000198	0.964775	4.892796	4.864623	5.16263	5.161789	5.355198	5.199746	5.448564	5.237527	5.207006	5.651384	5.681277	5.797063	6.087648	6.013985	5.987815	6.263469	6.307481	6.24183
NETO2	ENSG00000171208	-0.42805	7.158363	-3.17391	0.005404	0.0102	-3.64749	7.210134	7.212099	7.223109	7.26156	7.306413	7.302936	7.521004	7.540543	7.485461	7.180903	7.139481	7.22811	6.253734	6.312462	6.364998	7.590385	7.420832	7.492842
CDC42BPG	ENSG00000171219	0.360886	2.631485	2.587805	0.018867	0.031073	-4.62664	1.475543	0.940485	1.54317	0.258133	0.25478	0.909432	0.269385	0.387194	0.735084	5.948488	6.131965	6.105096	6.539191	6.509398	6.48625	6.13927	6.190729	5.983532
SCAND1	ENSG00000171222	0.464959	5.399302	3.404679	0.003267	0.006486	-2.98187	5.340935	5.444322	5.469462	5.432797	5.818465	5.207592	5.147073	4.87219	5.07736	4.902409	5.372368	5.554208	5.993445	6.053799	6.030701	5.6317	5.415183	5.070394
JUNB	ENSG00000171223	0.051001	7.100343	0.520271	0.609403	0.665623	-7.72649	6.935703	6.937505	7.151211	6.778385	7.086539	6.760261	6.917408	6.870857	7.029512	7.043002	7.309279	7.523929	7.46295	7.570143	7.454884	7.185095	7.142829	6.844346
FAM241B	ENSG00000171224	-0.3097	3.279116	-2.33449	0.031729	0.049455	-4.59676	4.271448	4.383825	4.351665	3.647423	3.574682	3.744443	3.853933	3.82184	4.011347	2.906434	2.900983	2.816411	2.949505	3.020741	3.167173	2.782512	2.908298	2.760563
TMEM37	ENSG00000171227	1.123008	-1.36432	3.634798	0.001972	0.004155	-1.26878	1.336422	2.152784	1.954926	2.548252	3.012388	2.5075	2.607661	2.389238	2.239236	0.106501	0.106501	0.106501	0.171976	0.106501	0.186984	0.106501	0.106501	0.106501
LRG1	ENSG00000171236	0.845787	1.121106	10.20205	8.78E-09	1.06E-07	10.42347	0.742531	0.410755	0.512639	0.934951	0.625525	0.657796	0.269385	0.253663	0.39151	3.544892	3.547323	3.585074	4.323482	4.390067	4.402656	3.143207	3.413359	3.31642
SHCBP1	ENSG00000171241	-1.61687	4.587076	-4.5462	0.000268	0.000706	-0.10721	5.187459	5.134056	5.116065	4.921675	4.720591	4.859751	5.830962	5.975709	5.94827	4.911672	5.030268	4.987869	2.178139	1.921808	2.121111	5.291204	5.077988	5.227124
NPTX1	ENSG00000171246	-0.16298	3.598378	-0.63832	0.531544	0.593089	-6.66404	6.289001	6.125763	6.382396	6.154502	6.177895	6.146161	5.922569	5.795247	5.706591	1.787595	1.467416	1.759838	1.473091	1.393161	1.08859	2.597261	2.078458	1.910335
FAM98B	ENSG00000171262	-0.50842	5.992327	-9.73138	1.78E-08	1.91E-07	9.364597	6.566989	6.651031	6.565494	5.901593	5.949389	5.97285	6.215207	6.34544	6.284872	5.934924	5.870134	5.987463	5.487516	5.595421	5.64197	5.796027	5.740928	5.785098
ZNF439	ENSG00000171291	0.572027	-0.91427	5.616641	2.78E-05	9.62E-05	2.519799	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.510897	2.388995	2.485514	3.091636	2.824271	2.942182	2.611312	2.465551	2.84714
ZNF440	ENSG00000171295	-0.19851	2.467027	-1.96765	0.065185	0.094314	-5.25219	1.602421	1.780637	1.78216	1.393812	1.768674	2.098749	2.446718	2.324112	2.165532	3.666603	3.5985	3.630629	3.303673	3.401888	3.486261	3.768919	3.772348	3.831562
GAA	ENSG00000171298	0.383204	7.626264	8.800909	7.78E-08	6.42E-07	7.674939	7.518443	7.524192	7.587124	7.891428	8.101162	7.997821	7.509843	7.434614	7.480721	7.456147	7.512116	7.582334	7.878137	7.8024	7.820788	7.413749	7.54176	7.357073
CANT1	ENSG00000171302	0.024682	6.667045	0.581827	0.568112	0.627209	-7.65003	6.169409	6.130976	6.210636	6.127673	6.225857	6.200251	6.380303	6.375885	6.245172	6.941898	6.999622	7.108938	7.09635	6.997549	7.058089	7.393057	7.303901	7.317439
ZDHHC16	ENSG00000171307	0.809897	4.905855	13.2282	1.54E-10	4.50E-09	14.37716	4.456406	4.673038	4.701394	5.464331	5.419464	5.464914	5.228555	5.306587	5.126746	4.501517	4.540416	4.32811	5.20426	5.115127	5.215244	4.826728	4.917433	4.726565
CHST11	ENSG00000171310	0.124096	4.665377	1.450251	0.164698	0.213292	-6.47531	4.859306	4.822285	4.777019	4.910272	5.029402	4.97456	4.4712	4.307901	4.261781	4.663802	4.630987	4.711369	4.777135	4.718494	4.836082	4.76522	4.79479	4.712796
EXOSC1	ENSG00000171311	-0.16799	4.809963	-2.5177	0.02182	0.035437	-4.62988	5.479641	5.607787	5.489272	5.142425	5.270617	5.246196	5.435754	5.335791	5.400136	4.313985	4.274276	4.515833	4.376523	4.372183	4.359898	4.349322	4.200441	4.416967
PGAM1	ENSG00000171314	-0.01614	7.551467	-0.15975	0.874911	0.897786	-7.85645	7.954343	7.944539	7.905199	8.244053	8.189624	8.107249	8.116919	8.119427	8.085441	6.998778	7.013156	6.979028	6.731299	6.68989	6.721446	7.463006	7.429446	7.388447
CHD7	ENSG00000171316	-0.5449	6.038486	-8.85628	7.11E-08	5.95E-07	7.883086	5.924244	6.02856	5.953828	5.227586	5.239802	5.30954	5.125963	5.255104	5.243285	7.035254	6.941347	6.807408	6.547695	6.401119	6.522566	6.543607	6.458768	6.574316
ESCO2	ENSG00000171320	-1.83946	3.277852	-5.93661	1.45E-05	5.48E-05	3.032	3.58303	3.428416	3.707702	3.503067	2.948483	3.27721	4.034706	3.761625	3.924645	4.256985	4.228596	4.358889	1.644349	1.871771	1.826726	4.026533	3.948889	3.984547
KRT19	ENSG00000171345	-0.28586	9.824909	-2.09635	0.050892	0.075631	-5.99426	9.872918	9.838823	9.848824	9.060861	9.218067	8.945779	8.929224	8.982589	8.997854	10.26429	10.21631	10.29873	10.34992	10.39158	10.3835	10.4565	10.42729	10.39754
KRT15	ENSG00000171346	-0.56434	3.659623	-1.64915	0.116973	0.158324	-5.92876	4.405107	4.360345	4.464617	1.326771	2.193078	1.840725	3.866715	3.659726	3.733845	3.956418	4.008408	4.03812	4.287006	4.340341	4.333621	4.60593	4.625193	4.694231
CLCN5	ENSG00000171365	0.10067	4.073143	1.348952	0.194571	0.246928	-6.38768	4.693417	4.538284	4.725456	4.681208	4.58706	4.884435	4.716879	4.741115	4.640652	3.651939	3.761343	3.513924	3.708564	3.832986	3.713835	3.538334	3.413359	3.641153
TPPP	ENSG00000171368	0.818943	2.566184	1.632725	0.120411	0.162623	-5.5002	4.428132	4.342481	4.553323	4.591236	4.522687	4.696497	4.437325	4.256466	4.16108	0.781331	0.748206	0.884879	3.381853	3.173121	3.021143	0.789161	1.072305	0.93723
APLN	ENSG00000171388	-1.31821	0.289623	-3.71008	0.001671	0.003577	-1.15241	4.327631	4.036608	3.979882	2.740812	3.132285	2.885561	4.751751	4.603806	4.795267	0.34397	0.330605	0.288049	0.171976	0.106501	0.186984	0.257084	0.2791	0.106501
PDE7B	ENSG00000171408	2.034499	1.102267	6.739321	3.00E-06	1.40E-05	4.782999	4.271448	4.354415	4.441562	6.390287	6.30454	6.384578	5.502797	5.525174	5.493457	0.106501	0.185134	0.288049	0.352262	0.26996	0.533283	0.183756	0.19538	0.106501
MRPL36	ENSG00000171421	1.587712	4.873983	14.18153	5.04E-11	1.95E-09	15.53989	3.520128	3.516026	3.443319	5.514147	5.503402	5.556848	5.444307	5.396449	5.588176	4.271447	4.181422	4.112253	5.361625	5.381888	5.348066	5.62479	5.570712	5.475641
ZNF581	ENSG00000171425	-0.20521	4.569754	-2.25387	0.037305	0.057188	-5.18904	4.363907	4.548709	4.458888	3.863871	4.158524	3.858473	3.733489	4.166444	4.17992	5.029806	5.043519	5.339521	5.158554	5.093459	5.006551	5.198848	5.168587	5.06679
NAT1	ENSG00000171428	0.434792	2.572064	4.545558	0.000268	0.000707	0.074184	2.568952	2.232543	2.37563	2.955742	2.366112	2.865864	2.446718	2.511284	2.047395	3.036317	3.013005	3.00983	3.416036	3.462307	3.361763	3.113899	2.972579	2.880366
ZNF524	ENSG00000171443	0.452855	3.662267	4.238729	0.000524	0.001279	-0.88153	3.249862	3.323044	3.638424	3.591402	3.426184	3.321269	2.858632	2.960209	2.981126	3.895476	4.061483	4.32811	4.715338	4.649638	4.691833	4.280646	4.288934	3.87342
MCC	ENSG00000171444	1.794236	4.669253	15.12059	1.78E-11	9.47E-10	16.61041	4.988842	4.917869	4.799861	6.884177	6.783426	6.88782	5.946849	6.058125	6.025816	2.749986	3.034402	2.756026	4.187612	4.073319	3.996621	3.894879	3.612085	3.999746
ZBTB26	ENSG00000171448	0.148324	4.414473	1.422099	0.172598	0.222251	-6.51682	4.09565	4.17089	3.906009	3.766043	3.560502	3.722706	3.988671	3.967564	3.935772	4.986631	5.130539	4.959141	5.329703	5.331874	5.44535	4.714053	4.877699	4.914724
DSEL	ENSG00000171451	0.596661	4.614547	3.543082	0.002412	0.00496	-2.27616	5.660656	5.770277	5.764758	6.536528	6.334017	6.583107	6.897303	6.788756	6.805205	3.17611	3.106888	3.085394	3.108457	3.065945	3.126936	2.968656	2.985098	3.176297
POLR1C	ENSG00000171453	-0.20215	5.485249	-3.26342	0.004448	0.008562	-3.28808	5.713155	5.525733	5.560557	5.222985	5.309293	5.280077	5.167879	5.506949	5.202407	5.831356	5.638252	5.692199	5.591381	5.526348	5.723497	5.610871	5.613675	5.615405
ASXL1	ENSG00000171456	0.191977	7.155054	2.939926	0.008957	0.015994	-4.14374	7.608127	7.579257	7.613795	8.071146	7.889165	8.000081	7.387675	7.384584	7.426534	6.73397	6.737926	6.732342	6.768817	6.66256	6.738237	6.574416	6.538439	6.544828
ZNF562	ENSG00000171466	0.172802	5.337463	3.90353	0.001092	0.002445	-1.86892	5.177303	5.134056	5.097747	5.241304	5.185395	5.183924	5.338168	5.364416	5.220718	5.36934	5.417853	5.395024	5.592876	5.627813	5.671993	5.490603	5.633692	5.593031
ZNF318	ENSG00000171467	0.021275	5.161831	0.143257	0.887726	0.908087	-7.58926	4.785446	4.945746	4.772407	5.636843	5.379635	5.584228	5.08826	5.25073	5.220718	5.35583	5.457995	5.348069	4.955062	4.8854	4.903135	5.432436	5.322033	5.341895
ZNF561	ENSG00000171469	0.165945	5.250745	3.39338	0.003349	0.00663	-2.97052	5.210884	4.949684	5.090354	5.199754	5.094821	5.151751	5.032629	5.183472	5.229787	5.402569	5.344801	5.29777	5.562678	5.581868	5.566882	5.398403	5.485161	5.431488
WIPF2	ENSG00000171475	0.694508	6.305049	10.33833	7.19E-09	9.03E-08	10.27011	5.770583	5.725032	5.823902	6.603556	6.424879	6.491278	6.818899	6.770538	6.76989	5.879356	5.911195	5.899478	6.541515	6.545754	6.523535	6.438184	6.45989	6.442871
HOPX	ENSG00000171476	0.433899	6.030255	2.075853	0.052959	0.078303	-5.71816	6.223057	6.182094	6.086081	6.176088	6.350594	6.066428	6.335028	6.385893	6.249637	5.907408	5.963722	5.908753	6.67877	6.699783	6.706165	4.964456	5.080907	5.019105
LRRC8C	ENSG00000171488	-0.253	2.139623	-0.72229	0.479669	0.542993	-6.40833	3.541402	3.35903	3.698006	3.688057	4.051057	3.907468	3.761137	3.285084	3.306673	1.91588	1.851833	1.820066	0.787801	0.888753	0.812339	1.948641	1.930959	1.844513
RSL1D1	ENSG00000171490	-0.39474	8.53226	-12.3833	4.40E-10	9.74E-09	13.00898	8.990169	8.949766	8.957612	8.474935	8.475017	8.530032	8.831139	8.794051	8.804268	8.482605	8.433802	8.468289	8.114798	8.147458	8.167069	8.348881	8.303046	8.381631
LRRC8D	ENSG00000171492	0.54164	5.634392	4.956592	0.000111	0.000324	0.446088	5.715497	5.811984	5.549817	6.605325	6.56997	6.626187	6.332727	6.216793	6.229433	5.038288	5.092794	4.998768	5.227545	5.13912	5.100452	5.344748	5.179522	5.220652
PPID	ENSG00000171497	-0.21559	6.549977	-4.469	0.000317	0.000821	-0.77866	6.737975	6.771637	6.638274	6.472063	6.373081	6.384578	6.489704	6.662719	6.639853	6.683492	6.485588	6.592576	6.507836	6.396703	6.450015	6.649529	6.589551	6.66052
ETFDH	ENSG00000171503	0.786615	4.874072	11.48887	1.42E-09	2.48E-08	12.21868	6.403797	6.390602	6.371764	7.279398	7.183413	7.229694	6.524402	6.576214	6.564792	3.165825	2.841532	3.018425	3.520276	3.544454	3.494191	2.990321	3.127424	3.215882
PTGER4	ENSG00000171522	-0.39574	3.264805	-2.41868	0.026743	0.042477	-4.5208	4.439509	4.377991	4.345467	3.714523	3.656958	3.733615	2.908934	2.848856	2.869505	3.376719	3.175905	3.346558	3.346841	3.098942	3.19663	3.236813	2.854728	3.050576
TBCA	ENSG00000171530	-0.4481	7.044733	-6.96351	1.96E-06	9.80E-06	4.393801	7.713212	7.746511	7.658847	7.034865	7.016845	7.056966	7.313754	7.440387	7.419616	6.855742	6.766178	6.916607	6.586483	6.690792	6.588868	6.700531	6.7226	6.786366
BCL2L1	ENSG00000171552	-0.68817	7.404963	-4.67543	0.000203	0.000551	-0.41961	7.714969	7.656598	7.620226	6.286057	6.401203	6.463697	6.587536	6.6022	6.633033	8.020786	7.971177	8.052426	7.759682	7.754018	7.801345	8.076549	8.056587	8.007447
FGG	ENSG00000171557	1.843143	2.054333	3.035423	0.007293	0.013337	-2.57105	7.002423	7.07818	7.072729	8.96801	8.89333	8.980826	7.214749	7.374567	7.307368	0.269074	0.106501	0.16959	0.106501	0.190544	0.106501	0.393424	0.106501	0.659518
FGA	ENSG00000171560	2.554403	1.09245	6.603358	3.89E-06	1.76E-05	4.540223	6.115462	6.313225	6.084222	8.762987	8.750344	8.801921	6.646169	6.781193	6.7289	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
FGB	ENSG00000171564	1.908174	1.11713	5.994979	1.29E-05	4.96E-05	3.418914	6.592692	6.591773	6.57347	8.474935	8.506795	8.602492	6.642458	6.747438	6.683414	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PLRG1	ENSG00000171566	-0.39464	6.983914	-4.09348	0.00072	0.00169	-1.65181	7.358344	7.368132	7.3116	6.674365	6.599745	6.700353	7.129812	7.011943	7.042438	7.184092	7.174836	7.200054	7.001607	7.055431	7.078012	6.628094	6.657609	6.748627
ZNF584	ENSG00000171574	0.301737	3.958882	4.453696	0.000328	0.000845	-0.38002	3.65311	3.741788	3.783005	4.132759	4.040879	4.249025	3.814892	4.060466	4.103038	3.944434	4.013804	3.995227	4.135224	4.154036	4.279586	4.319678	4.162364	4.365096
CLSTN1	ENSG00000171603	0.555546	7.954419	9.595804	2.20E-08	2.26E-07	8.958455	6.895997	6.859049	6.929899	7.699407	7.681267	7.673167	7.49962	7.385582	7.479771	8.311798	8.260787	8.316925	8.720464	8.646604	8.654405	8.813745	8.733722	8.737753
CXXC5	ENSG00000171604	0.359711	5.893287	2.364104	0.029884	0.046846	-5.24267	5.465799	5.331118	5.597531	5.190356	5.484749	5.155812	3.828023	3.605944	3.721038	6.797807	6.947704	6.976273	7.540532	7.502391	7.500871	6.727389	6.75677	6.622978
ZNF274	ENSG00000171606	-0.11799	5.453661	-2.7184	0.014349	0.024374	-4.46245	4.780982	4.724521	4.74442	4.375995	4.758354	4.580436	4.528631	4.657666	4.444269	6.456552	6.423083	6.452939	6.368154	6.334565	6.358497	6.236527	6.322357	6.337649
PIK3CD	ENSG00000171608	-0.12599	2.026744	-0.6642	0.51523	0.577374	-6.72738	2.296082	2.356396	2.274882	1.578054	1.164793	1.250575	1.816207	1.809233	1.873138	3.091698	2.779525	2.796562	3.318207	3.020741	3.032078	3.032701	2.813204	2.81313
SLC25A33	ENSG00000171612	-0.14332	4.24891	-1.73005	0.101239	0.139349	-5.97649	4.02189	3.952741	3.845818	3.966538	4.327153	4.154771	4.205428	4.09991	4.189248	4.630531	4.55159	4.773612	4.337818	4.398927	4.284167	4.720549	4.695442	4.726565
ENC1	ENSG00000171617	0.0898	7.576284	0.438593	0.66633	0.716159	-7.77271	7.681225	7.58876	7.665703	8.566319	8.467911	8.537833	8.24727	8.327931	8.37986	7.424142	7.454251	7.317441	6.635904	6.648698	6.653142	6.996569	6.940749	6.996049
SPSB1	ENSG00000171621	-0.15547	4.834583	-1.76927	0.094294	0.130912	-6.10557	4.179456	3.952741	4.188143	3.441022	3.602632	3.459109	4.034706	4.175703	4.103038	5.887203	5.903948	6.073485	5.96024	5.967096	5.890527	5.865084	5.802349	5.708538
P2RY6	ENSG00000171631	0.868137	1.219306	4.646302	0.000216	0.000583	0.4845	0.503316	0.582935	0.679585	1.457877	1.373859	1.669505	1.317361	0.726566	1.01237	2.338465	2.074736	2.447834	2.872818	2.811056	2.730245	3.31616	3.215061	3.241681
BPTF	ENSG00000171634	-0.01204	7.231127	-0.2587	0.79889	0.832376	-7.83862	7.055142	7.034342	7.120691	6.989528	6.976026	7.203449	7.12583	7.219804	7.211053	7.406778	7.484203	7.305202	7.39645	7.364459	7.385166	7.408227	7.298896	7.354119
ZIK1	ENSG00000171649	-0.29279	0.725222	-5.97553	1.34E-05	5.13E-05	2.706749	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.689578	5.798468	5.829169	5.513008	5.419382	5.46364	5.989982	5.984847	5.909012
NMRAL2P	ENSG00000171658	-1.21284	2.883115	-5.69312	2.38E-05	8.37E-05	2.741444	6.033379	5.852519	5.904096	4.701197	5.008661	4.76722	6.059692	6.090306	6.049058	1.787595	1.467416	1.759838	0.5125	0.671977	0.957066	1.250674	0.924142	1.416439
PLEKHG5	ENSG00000171680	-0.86911	3.536382	-3.21195	0.004975	0.009457	-2.94217	4.620325	4.691972	4.758481	2.577385	3.012388	2.581827	3.440463	3.592179	3.708117	3.437834	3.532361	3.789694	3.575762	3.536446	3.593499	3.793775	3.896833	3.930053
ATF7IP	ENSG00000171681	0.735935	5.421587	7.810418	4.20E-07	2.62E-06	6.181062	5.2241	5.366905	5.231457	6.149661	5.905185	6.168443	5.949855	5.946255	5.953754	5.009819	4.995233	4.77868	5.52402	5.595421	5.528785	4.947942	4.894388	5.070394
RGS19	ENSG00000171700	-0.04532	3.324057	-0.36368	0.72046	0.765785	-7.13136	3.691678	3.804029	3.65856	3.674639	3.546181	3.432575	3.050103	2.960209	3.124172	3.216534	3.532361	3.602326	3.494914	3.67419	3.387537	3.70484	3.562824	3.30423
TCEA2	ENSG00000171703	-0.61485	5.081021	-3.25999	0.004481	0.008623	-3.25248	5.930304	5.896035	5.910407	4.510463	4.770725	4.427589	4.302704	4.119235	4.235006	5.367097	5.427994	5.688165	5.428457	5.292003	5.414342	5.258097	5.326959	5.000336
ANO5	ENSG00000171714	1.363285	-1.2499	4.966881	0.000108	0.000318	1.420453	1.826927	2.039077	2.018628	3.20008	3.378481	3.377995	2.933443	3.318907	2.981126	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
HDAC3	ENSG00000171720	-0.05387	6.20529	-0.94277	0.358649	0.423253	-7.31922	6.014486	6.111769	6.063606	5.790912	5.812494	5.783733	6.020192	5.973056	6.041352	6.493004	6.371473	6.503555	6.556916	6.511442	6.586088	6.560905	6.467717	6.400554
GPHN	ENSG00000171723	-0.39362	4.177901	-4.51168	0.000289	0.000755	-0.27985	4.445163	4.330447	4.55869	4.199863	4.335505	4.323123	4.348988	4.238905	4.296723	4.425958	4.327249	4.37236	4.01993	3.606961	3.898452	4.349322	4.263465	4.323421
TMEM51	ENSG00000171729	-0.04071	3.758818	-0.45452	0.65505	0.70574	-7.25228	3.300651	3.114308	2.99819	3.103249	3.630051	3.391835	3.405851	3.462004	3.357206	4.386642	4.292151	4.469576	4.31626	4.225504	4.194539	4.714053	4.877699	4.499478
CAMTA1	ENSG00000171735	0.110771	4.666245	1.845503	0.081975	0.115544	-5.82464	4.992709	5.05216	4.913139	5.294904	5.114368	5.110498	5.066264	4.997573	5.155586	4.476768	4.327249	4.205521	4.414217	4.298341	4.359898	4.410866	4.414575	4.461559
LRRC34	ENSG00000171757	-0.4879	-0.21196	-1.14828	0.266325	0.326106	-5.57712	3.17016	2.836538	3.029452	2.791417	2.787348	2.805104	2.303642	3.023117	2.616448	0.415169	0.330605	0.34382	0.106501	0.190544	0.263213	0.457048	0.19538	0.106501
SPATA5L1	ENSG00000171763	-0.66716	4.994504	-6.42174	5.53E-06	2.38E-05	3.65161	6.129578	6.215193	6.242667	5.299283	5.208315	5.191857	5.982519	5.891111	5.85464	4.332495	4.390842	4.437893	4.199436	4.220515	4.067427	4.466031	4.405289	4.323421
GATM	ENSG00000171766	0.927777	2.799158	13.31751	1.38E-10	4.17E-09	14.497	0.742531	1.118985	0.598525	1.578054	1.2379	1.757653	1.074544	0.726566	1.171446	5.107097	5.196089	5.076957	5.993445	5.995119	6.025238	5.426489	5.451724	5.518482
SYCE1	ENSG00000171772	0.060832	0.109679	1.081958	0.293974	0.355499	-6.72081	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.525848	4.599033	4.518865	4.659362	4.501207	4.595601	4.430811	4.551348	4.472495
BCL2	ENSG00000171791	0.779475	1.270511	1.578984	0.132266	0.176425	-5.1308	5.272612	5.363957	5.335175	6.292659	5.976344	6.267477	6.276361	6.269636	6.169423	0.54782	0.462741	0.16959	0.171976	0.106501	0.186984	0.106501	0.19538	0.214669
RHNO1	ENSG00000171792	-0.26909	4.752491	-2.88228	0.010133	0.017864	-3.93592	4.816318	4.885335	4.813395	4.898777	4.836932	4.894191	4.629578	4.734864	4.831463	4.930021	4.842882	4.998768	4.486773	4.446707	4.472558	5.069967	5.060349	4.882289
CTPS1	ENSG00000171793	-0.94733	7.27344	-12.2856	4.98E-10	1.08E-08	12.96903	8.216912	8.268462	8.226779	7.408616	7.336892	7.36301	7.733054	7.827227	7.790603	7.106895	7.065411	7.197218	6.14584	6.058	6.133284	7.123316	7.004399	7.109861
METTL18	ENSG00000171806	0.094223	3.84815	1.317535	0.20467	0.258203	-6.46325	3.623492	3.8803	3.828148	3.933121	3.670226	3.9455	3.788265	3.999201	3.759121	3.926269	4.082178	4.194187	4.171694	4.169652	4.160062	3.917673	3.942484	4.087723
CFAP46	ENSG00000171811	0.041386	-0.18237	0.153169	0.880019	0.901994	-6.45324	0.742531	1.118985	1.453818	0.635873	0.625525	0.984419	0.415731	0.387194	0.39151	1.315703	1.029669	1.126631	1.186687	1.591687	1.456457	1.13872	1.289746	1.058313
PWWP2B	ENSG00000171813	0.318354	4.315768	2.495313	0.022852	0.036919	-4.59012	4.730936	4.852052	4.908943	4.863733	5.003429	4.960699	4.528631	4.341199	4.364168	3.584041	3.735447	3.951019	4.234338	4.235431	4.329194	4.37837	4.237539	3.823043
FBXL14	ENSG00000171823	0.230702	4.328522	2.866952	0.01047	0.018392	-3.87835	3.991296	3.61855	3.93931	4.3081	4.267295	4.071231	4.695544	4.474723	4.585199	4.377757	4.399113	4.463295	4.580176	4.557684	4.504317	4.859472	4.936897	4.622403
EXOSC10	ENSG00000171824	-0.03895	6.428001	-0.29185	0.77384	0.812278	-7.74637	6.467698	6.485903	6.488846	7.011041	6.85634	6.901187	6.261919	6.189628	6.321389	6.54055	6.468004	6.549493	6.075937	6.084328	6.053688	6.396195	6.418951	6.44842
ZNF570	ENSG00000171827	0.426234	0.809439	2.066999	0.053875	0.079525	-5.0125	0.503316	0.582935	0.512639	0.258133	0.106501	0.3528	0.886508	0.253663	0.833554	3.265521	3.269103	3.172678	3.617489	3.86531	3.951255	3.530961	3.37582	3.398988
MLLT3	ENSG00000171843	0.922558	3.697028	6.702606	3.22E-06	1.49E-05	4.414274	3.819083	3.829904	3.576275	4.576883	4.635214	4.777799	4.215456	4.230044	4.482711	3.255856	3.295928	3.133657	3.746669	4.039723	4.213876	2.979529	3.009816	2.912845
RRM2	ENSG00000171848	-1.93211	7.06046	-5.83537	1.78E-05	6.53E-05	2.190726	7.884787	7.879955	7.853186	7.167704	7.261097	7.211275	8.010074	8.135531	8.033301	7.675011	7.623964	7.728952	4.359059	4.53375	4.279586	7.279958	7.213028	7.29759
TRAPPC12	ENSG00000171853	0.016537	5.581953	0.25879	0.79882	0.832365	-7.61784	5.777323	5.816305	5.780922	5.71757	5.74826	5.663381	6.017329	5.893919	6.119063	5.255126	5.316696	5.468994	5.482686	5.455925	5.412251	5.432436	5.339201	5.341895
RPS21	ENSG00000171858	-0.25758	8.264421	-5.06584	8.79E-05	0.000264	0.383684	8.438618	8.405973	8.363389	7.99627	8.001024	7.945997	8.176525	8.26913	8.297613	8.440029	8.3953	8.265509	8.217218	8.236956	8.311506	8.329357	8.340066	8.416734
MRM3	ENSG00000171861	-0.16809	4.702565	-2.28575	0.035	0.054038	-5.03313	5.531062	5.517795	5.463752	5.147291	5.171467	5.135391	5.374422	5.352217	5.455304	4.252132	3.986619	4.167389	4.195506	4.132949	4.27038	4.249541	4.151298	4.197255
PTEN	ENSG00000171862	0.239689	6.65852	3.549575	0.002378	0.004899	-2.70893	7.736457	7.732291	7.758995	8.159285	8.010183	8.040727	8.287634	8.336212	8.280258	5.193173	5.32757	5.230939	5.248563	5.366162	5.414342	5.394346	5.334317	5.397464
RPS7	ENSG00000171863	-0.1292	9.641907	-3.71641	0.001648	0.003532	-2.65508	9.961648	9.961666	9.912041	9.757027	9.78349	9.700491	9.789924	9.892045	9.861886	9.526127	9.4222	9.452483	9.34641	9.447001	9.421448	9.4223	9.415753	9.514411
RNASEH1	ENSG00000171865	0.183957	5.246753	3.020672	0.007529	0.01371	-3.71827	5.370952	5.234335	5.258094	5.28169	5.292232	5.441817	5.59402	5.842522	5.791729	4.92393	4.780934	4.925267	5.160571	5.170503	5.143946	5.329955	5.232987	5.377239
PRNP	ENSG00000171867	-0.02733	8.44234	-0.44054	0.664948	0.714889	-7.83497	8.686715	8.659072	8.662808	8.647544	8.635818	8.63231	9.329105	9.326292	9.323748	7.983572	7.924308	7.917075	7.92221	7.889061	7.931515	8.213242	8.175717	8.183736
ADRA1D	ENSG00000171873	0.665325	1.208041	2.451536	0.025004	0.040037	-3.7387	3.903656	4.281283	4.48167	4.904536	4.801196	4.965334	3.941119	3.685883	3.856018	0.415169	0.330605	0.499259	0.610222	0.484926	0.335616	0.517985	0.433238	0.214669
FRMD5	ENSG00000171877	0.37968	2.426038	3.011463	0.00768	0.013942	-3.6775	1.642349	1.327092	1.667608	0.742604	0.828511	0.746642	0.670238	0.253663	0.515351	5.242946	5.174568	5.216073	5.713225	5.583812	5.746917	4.958973	4.854006	5.041309
CYP4F11	ENSG00000171903	-1.03609	1.822304	-2.60982	0.01802	0.02982	-3.39974	6.860467	6.846429	6.928863	5.691159	5.821441	5.940258	6.833623	6.833319	6.845588	0.54782	0.185134	0.16959	0.171976	0.26996	0.335616	0.393424	0.106501	0.409347
TLN2	ENSG00000171914	0.380587	2.298996	2.420063	0.026667	0.042391	-4.30182	3.17016	2.748839	2.720234	2.864145	2.737798	2.904994	2.637802	2.147141	2.408535	2.574485	2.42184	2.53427	3.228726	3.152313	2.918805	1.970607	1.707432	1.775544
TVP23B	ENSG00000171928	-0.0963	6.32223	-2.73173	0.013951	0.023769	-4.48492	6.682802	6.65827	6.562826	6.598236	6.541374	6.523066	6.625636	6.696885	6.641553	6.116785	6.063364	6.174987	6.031427	6.01974	5.980777	6.104924	6.085656	6.032387
ZNF217	ENSG00000171940	0.090751	5.593815	1.2389	0.231763	0.288372	-6.92585	5.565217	5.661609	5.666267	5.890028	5.919145	5.852905	5.066264	5.112925	5.112107	5.916638	5.770051	5.731932	5.784299	5.813217	5.726866	5.59328	5.549795	5.515842
SRGAP2C	ENSG00000171943	0.138767	2.070295	0.92141	0.369381	0.434262	-6.38183	2.165157	2.636038	2.326135	2.766336	2.904251	2.845893	2.412257	2.702788	2.34318	2.163418	2.437987	2.314614	2.044674	2.169719	2.220059	2.034568	2.146913	2.464474
SCG2	ENSG00000171951	0.079221	2.543007	0.306272	0.763016	0.803028	-6.63707	4.399293	4.262405	4.520694	4.803367	4.258538	4.824468	5.338168	5.192623	5.351109	1.457372	1.435603	1.631268	0.907968	1.077171	0.910419	1.177011	1.478665	1.115245
ATPAF2	ENSG00000171953	0.200258	3.900752	2.69979	0.014923	0.025225	-4.09535	3.887134	4.217373	4.145977	4.122913	4.139571	4.130213	4.13321	4.128801	4.305329	3.772076	3.539861	3.769472	4.041988	3.987816	3.928025	3.989359	3.916575	3.814473
PPIH	ENSG00000171960	-0.38365	4.616413	-5.26485	5.78E-05	0.000183	1.248546	4.807565	4.860445	4.574673	4.072648	4.139571	4.146631	4.83866	4.77806	4.813478	4.826087	4.735932	4.904554	4.645023	4.645922	4.546874	4.972643	4.993761	4.886383
ZNF57	ENSG00000171970	-0.14447	2.239067	-1.50282	0.150737	0.197675	-5.84408	2.461454	2.55562	2.221741	2.325974	2.229385	2.132113	2.058296	1.901414	2.309357	2.749986	2.958081	2.930089	2.770846	2.756951	2.870883	2.75746	2.947209	2.649309
SHLD1	ENSG00000171984	0.067392	3.069103	0.893299	0.383832	0.448476	-6.76792	2.649532	2.730641	2.558197	2.81607	2.737798	2.865864	2.957542	2.938616	3.044176	3.64455	3.695711	3.743789	3.746669	3.622174	3.747398	3.574643	3.757829	3.581792
JMJD1C	ENSG00000171988	-0.24081	5.825452	-2.42021	0.026659	0.042388	-5.00108	6.785554	6.671448	6.78859	6.209037	6.064398	6.310008	6.487637	6.48419	6.460789	5.316853	5.256515	5.049965	5.271149	5.329559	5.376231	5.100173	5.217154	5.19777
SYNPO	ENSG00000171992	-0.46754	6.234114	-1.82787	0.08469	0.118971	-5.81595	9.378265	9.314668	9.413255	8.537423	8.633279	8.561752	9.295819	9.169729	9.269536	3.275122	3.339557	3.451828	4.215053	4.084346	4.12984	3.181381	2.985098	3.279535

ZNF556	ENSG00000172000	-0.25559	-0.33329	-3.00565	0.007777	0.014099	-3.28674	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.962373	3.936355	3.663876	3.617489	3.512154	3.540876	3.6717	3.628139	3.840032
ZNF554	ENSG00000172006	0.774608	0.826523	4.374681	0.000389	0.000982	0.000491	1.18244	0.661886	1.202741	1.104644	1.2379	1.714252	1.160105	0.622068	1.01237	1.814181	1.529011	1.839597	2.25569	2.381211	2.382676	1.903678	1.90484	2.003758
RAB33B	ENSG00000172007	0.126812	3.698816	1.075639	0.296713	0.358295	-6.65532	4.051848	3.804029	4.087767	3.933121	3.89028	3.97338	3.916741	4.299455	4.279358	3.772076	3.554746	3.476988	3.814873	3.871689	3.805912	3.31616	3.2466	3.519884
THOP1	ENSG00000172009	-0.6378	5.936036	-7.0198	1.76E-06	8.92E-06	4.617419	6.191444	6.210276	6.342502	5.815573	5.916364	5.765245	6.119658	5.879824	5.980865	6.038616	6.180756	6.279679	5.450064	5.377412	5.317108	6.252304	6.202839	5.973944
GAP43	ENSG00000172020	-0.34483	1.17017	-1.78305	0.091954	0.128138	-4.99544	2.798329	3.027527	3.075109	2.791417	2.520598	2.402038	2.26554	2.420731	2.616448	1.073118	1.07167	0.846782	0.945898	0.938214	1.002253	1.099384	0.816175	1.322858
EPHX4	ENSG00000172031	-0.74227	0.87153	-3.30981	0.00402	0.007822	-2.41178	1.336422	1.226787	1.499186	0.395333	0.25478	0.3528	0.415731	0.622068	0.629397	2.918737	2.829342	3.068941	2.760241	2.433888	2.559363	3.043104	2.934355	3.149291
LAMB2	ENSG00000172037	0.532718	7.704346	4.635748	0.000221	0.000595	-0.52028	7.517101	7.479257	7.590403	7.566783	7.704828	7.575742	7.652304	7.634195	7.62862	7.503372	7.518299	7.404844	8.460795	8.311285	8.375423	7.60538	7.678602	7.602065
USP19	ENSG00000172046	0.142632	6.792468	3.837179	0.001264	0.002779	-2.21717	6.276368	6.299401	6.27237	6.418735	6.321458	6.363663	6.217704	6.191911	6.1928	7.338592	7.320209	7.336038	7.555177	7.462272	7.5097	7.189199	7.184136	7.071714
QARS1	ENSG00000172053	0.210213	7.436224	3.387063	0.003395	0.006712	-3.24394	7.403336	7.403742	7.420257	7.358099	7.427579	7.362132	7.074414	7.159246	7.160965	7.513547	7.505427	7.521664	7.983047	7.870867	7.90722	7.283253	7.366245	7.287562
ORMDL3	ENSG00000172057	0.13325	5.682082	1.289287	0.2141	0.268696	-6.88313	5.443372	5.480165	5.420189	5.041505	5.194607	4.983728	5.300979	5.450851	5.2343	5.954476	6.00495	6.02633	6.497497	6.391163	6.372547	6.007353	6.0111	6.006286
KLF11	ENSG00000172059	-0.10768	3.805471	-1.35891	0.191456	0.243582	-6.49703	3.337603	3.100202	3.371944	3.54791	3.517104	3.560621	3.178682	2.938616	3.00245	4.663802	4.833757	4.72456	4.568067	4.553723	4.394205	4.500412	4.395944	4.365096
SMN1	ENSG00000172062	-0.65136	4.443562	-7.82145	4.11E-07	2.57E-06	6.341854	4.702888	4.787496	4.86196	3.80351	3.956756	3.722706	4.428731	4.644388	4.592248	4.799721	4.80914	4.852633	4.38345	4.467913	4.351192	4.637167	4.641102	4.784756
EIF2AK3	ENSG00000172071	0.91631	4.552553	4.847329	0.00014	0.000398	0.350627	3.836399	3.61855	3.955676	5.558653	5.47722	5.500479	4.101117	4.324646	4.428601	4.637991	4.45175	4.421787	4.858933	4.814328	4.820398	4.823714	4.826442	4.689552
TEX37	ENSG00000172073	-0.68386	-1.27265	-3.5321	0.002471	0.005072	-1.72048	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	2.37464	2.267764	2.104662	1.689764	1.528499	1.456457	2.300453	2.030948	2.174206
MOB3A	ENSG00000172081	-0.30165	5.077213	-1.87014	0.078309	0.110981	-5.90603	5.008072	4.826575	4.76778	4.955356	5.075006	4.814227	4.779054	4.855002	4.72003	5.205778	5.389075	5.285361	4.900573	4.743056	4.804542	6.010007	6.014158	6.052569
KRCC1	ENSG00000172086	0.491616	4.277972	5.015894	9.77E-05	0.00029	0.748231	4.192962	4.108838	4.087767	4.052041	4.276	4.096805	4.245129	4.090149	4.132351	4.19764	4.219284	4.29666	4.907798	5.085249	4.903135	4.406844	4.534411	4.546811
NME6	ENSG00000172113	-0.05954	4.72622	-1.18356	0.252437	0.311238	-6.77345	5.042051	4.817982	4.990634	4.821743	4.97698	4.884435	5.104539	5.197177	5.174497	4.545816	4.532919	4.569452	4.552785	4.429515	4.472558	4.704254	4.648991	4.617485
CYCS	ENSG00000172115	-0.5344	7.849706	-16.1641	5.98E-12	4.28E-10	17.50351	8.509148	8.521291	8.45977	7.985443	8.021227	8.007404	8.35098	8.421873	8.370153	7.664091	7.637136	7.59388	7.041568	7.03923	7.098964	7.504534	7.586608	7.605174
SLFN12	ENSG00000172123	-0.09333	2.407926	-0.33808	0.739328	0.781988	-7.00008	2.798329	2.674627	2.399755	0.841981	1.006428	1.055701	2.513265	2.357042	2.127218	3.331423	3.455132	3.240362	3.768	3.745389	3.87435	3.52355	3.413359	3.455199
CALB2	ENSG00000172137	-5.59298	0.158199	-5.16604	7.11E-05	0.000219	1.808652	4.232739	4.150501	4.294909	0.106501	0.106501	0.106501	1.966276	1.85606	1.314712	0.7264	1.529011	1.277453	0.234608	0.416769	0.186984	2.731965	2.711397	2.397196
SNTB1	ENSG00000172164	-0.71658	4.086586	-3.53363	0.002462	0.005057	-2.54838	2.461454	2.61635	2.5366	3.441022	3.48743	3.807755	3.507292	3.160038	3.084728	5.816639	5.801592	5.819366	4.665059	4.725555	4.708971	5.289021	5.322033	5.411738
MTBP	ENSG00000172167	-1.52249	3.187467	-18.7931	4.92E-13	6.48E-11	20.04406	3.183753	2.935191	3.119366	2.143217	1.864131	2.317553	2.724622	2.848856	2.915195	4.656475	4.672521	4.626781	3.221013	3.131201	3.075009	4.382472	4.437531	4.483349
TEFM	ENSG00000172171	-0.22488	4.035552	-2.84681	0.010929	0.019103	-3.84818	4.232739	4.243278	4.48731	4.062381	3.784444	3.982555	4.235306	4.307901	4.103038	4.261822	4.040487	4.175097	3.95166	4.210485	4.029733	4.021281	3.992947	4.115895
MRPL13	ENSG00000172172	-0.53733	6.018189	-10.4679	5.95E-09	7.80E-08	10.4758	6.171116	6.156761	6.036935	5.444703	5.375591	5.525804	5.925627	5.927193	5.857568	6.48061	6.495265	6.47027	5.939239	6.115569	6.098594	6.239922	6.197469	6.290535
MALT1	ENSG00000172175	0.182927	5.627693	0.911492	0.374437	0.439228	-7.13451	6.411038	6.331453	6.359515	7.133786	7.121975	7.102914	6.851417	6.860846	6.939788	4.799721	4.815334	4.776148	4.011012	4.073319	4.051393	4.808549	4.769683	4.819433
ISG20	ENSG00000172183	-0.6756	5.699045	-3.47835	0.00278	0.005629	-2.81235	5.633672	5.572461	5.426074	5.890028	5.751385	5.677574	6.220196	6.012346	6.089476	6.077544	6.075026	6.185519	4.816056	4.660731	4.785281	6.084924	6.101554	6.070675
MBOAT1	ENSG00000172197	0.748059	2.383582	7.898812	3.59E-07	2.29E-06	6.509978	1.430644	1.002471	1.30847	1.457877	0.92021	1.055701	1.240874	0.622068	0.735084	4.417313	4.443776	4.557708	5.194447	5.287239	5.337086	4.442647	4.477953	4.531205
ID4	ENSG00000172201	0.294549	4.336639	1.688127	0.109149	0.148833	-6.17099	3.765853	3.896716	3.845818	3.674639	3.934936	3.848471	3.866715	3.698786	3.586306	5.456306	5.491258	5.465856	5.840755	5.868482	5.882997	3.824254	3.910024	3.716682
CEBPB	ENSG00000172216	-0.09927	5.864684	-1.01957	0.32184	0.385143	-7.13103	6.435391	6.52074	6.647119	6.270533	6.430738	6.166432	6.799031	6.6022	6.751116	4.968993	5.27236	5.430875	5.254243	5.359369	5.305888	5.424501	5.389513	5.041309
PAIP1	ENSG00000172239	-0.01393	6.643936	-0.22663	0.823338	0.853603	-7.77828	6.969448	7.030628	6.968719	6.830739	6.73374	6.69757	6.915871	6.939052	6.863179	6.341317	6.334216	6.375613	6.534531	6.538756	6.557045	6.466479	6.364891	6.400554
CLEC7A	ENSG00000172243	0.875488	-1.33267	5.418559	4.19E-05	0.000138	2.213154	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.616888	1.777644	2.055402	2.42639	2.627242	2.675503	1.542275	1.878239	1.739782
C5orf34	ENSG00000172244	-1.06802	1.489068	-4.4701	0.000316	0.000819	0.225076	2.245129	1.978677	2.049454	2.103714	1.718467	2.132113	1.966276	2.108984	2.047395	2.320032	2.249583	2.460504	0.982856	1.2438	1.247156	2.154563	2.315011	2.119598
ZNF131	ENSG00000172262	-0.19986	5.750289	-3.87187	0.001171	0.002595	-1.98295	5.954295	5.881675	5.895639	5.772136	5.620805	5.799394	5.907184	6.078014	6.059269	5.845924	5.736174	5.743641	5.514586	5.518239	5.647313	5.617847	5.744615	5.666299
MACROD2	ENSG00000172264	0.059675	0.253552	0.297954	0.769251	0.808534	-6.39943	1.069823	0.875715	1.256574	1.104644	0.92021	0.909432	1.459147	1.15884	1.0941	1.278001	1.369793	1.126631	1.308151	1.428204	1.355599	0.884806	1.2488	1.115245
DPAGT1	ENSG00000172269	-0.26316	5.699675	-6.29432	7.11E-06	2.96E-05	3.18694	5.565217	5.610278	5.671231	5.375899	5.49597	5.471446	5.478019	5.473553	5.431918	6.126099	6.091707	6.132075	5.854531	5.692298	5.840085	5.892671	5.945351	5.964291
BSG	ENSG00000172270	0.446478	9.212615	7.970194	3.17E-07	2.07E-06	6.143449	9.480241	9.490397	9.523376	9.993896	10.10335	9.995524	9.798913	9.75553	9.834837	8.355726	8.317252	8.415991	8.738642	8.736504	8.686122	8.903193	8.880412	8.866659
HINFP	ENSG00000172273	0.205466	3.948645	3.435681	0.003052	0.006114	-2.70436	3.349713	3.273623	3.359697	3.487804	3.278066	3.419122	3.315502	3.351955	3.373665	4.721121	4.799799	4.711369	4.984974	4.931925	5.012085	4.62683	4.419196	4.546811
CERS6	ENSG00000172292	-0.02289	7.399171	-0.13726	0.892397	0.911859	-7.88666	6.921575	7.007196	6.965692	7.785407	7.644767	7.655349	6.912793	7.041366	6.858801	8.04589	7.991148	7.973964	7.308654	7.356522	7.421486	7.499821	7.471205	7.487461
SPTLC3	ENSG00000172296	1.509854	3.689002	6.524988	4.53E-06	2.00E-05	4.081534	2.609804	2.534795	2.446827	4.753186	4.594038	4.616245	4.637058	4.519046	4.261781	3.50465	3.398501	3.439082	4.245787	4.215509	4.297823	3.651445	3.458949	3.540816
COPRS	ENSG00000172301	-0.23041	5.455531	-4.77765	0.000163	0.000455	0.053545	5.801771	5.720428	5.764758	5.654037	5.554381	5.637476	5.650549	5.682848	5.612649	5.391578	5.376563	5.521329	5.047367	5.25832	5.13383	5.367692	5.322033	5.314806
TP53RK	ENSG00000172315	-0.07719	5.424599	-1.08098	0.294395	0.355917	-7.0528	5.409064	5.51514	5.557879	5.087795	5.338674	5.230878	5.490461	5.560947	5.584645	5.439327	5.481554	5.537862	5.541158	5.614563	5.507395	5.533662	5.53284	5.299535
BPGM	ENSG00000172331	0.912116	3.707218	5.299907	5.37E-05	0.000172	1.549483	4.066597	3.936954	3.922756	4.540361	4.284653	4.372816	4.293266	4.282412	4.235006	2.894025	3.136872	3.026968	4.241981	4.390067	4.237689	3.011667	2.985098	3.050576
POP7	ENSG00000172336	-0.40887	4.808033	-4.14729	0.00064	0.001522	-1.24686	4.595114	4.715296	4.701394	4.647264	4.694855	4.57438	4.520565	4.428995	4.542164	5.200749	5.221963	5.478369	4.742532	4.679032	4.745971	5.373887	5.353756	5.29338
ALG14	ENSG00000172339	0.191956	3.212439	2.202317	0.041332	0.062661	-4.86232	3.520128	3.494617	3.648527	3.441022	3.6964	3.700636	3.388228	3.89093	3.4839	3.0698	3.065914	2.966075	3.310958	3.223865	3.326666	3.043104	3.160915	3.189613
SUCLG2	ENSG00000172340	-0.71755	6.950299	-4.19641	0.000574	0.001387	-1.40603	8.091368	8.115134	8.056079	6.732178	6.625516	6.736053	7.262685	7.326535	7.29013	6.723489	6.698259	6.775442	6.671006	6.690792	6.718064	6.231987	6.216176	6.377466
GNB2	ENSG00000172354	0.399744	7.406824	7.737771	4.77E-07	2.91E-06	5.825277	7.437779	7.460055	7.48441	7.767348	7.983194	7.786204	7.741754	7.685333	7.672516	6.805281	6.834097	6.976273	7.342817	7.249155	7.261109	7.404197	7.345155	7.248332
MCRIP2	ENSG00000172366	-0.36923	5.112004	-3.37267	0.003504	0.006904	-2.93586	6.198157	6.120531	6.191761	5.657452	5.87112	5.640377	5.238424	5.388507	5.321722	4.61171	4.609763	4.934378	4.454245	4.53375	4.460466	4.755763	4.559742	4.311289
C2CD2L	ENSG00000172375	-0.09552	3.994116	-0.81261	0.427375	0.492444	-7.00978	3.603403	3.547555	3.466347	3.714523	3.722109	3.797394	4.393833	4.221128	4.41276	4.386642	4.483212	4.34187	4.110387	4.288839	4.01878	4.473742	4.293974	4.299055
ARNT2	ENSG00000172379	-0.09269	1.909547	-0.48137	0.636227	0.688951	-6.62427	2.245129	2.37994	2.579475	2.291228	2.264801	2.288255	2.576877	2.324112	2.274723	1.704765	2.115463	1.969371	2.079215	1.970168	1.667532	2.890155	2.813204	2.442395
GNG12	ENSG00000172380	0.708777	7.796167	5.607094	2.84E-05	9.77E-05	1.614074	8.036705	8.07738	8.07071	8.945492	8.914739	8.925406	9.193313	9.20209	9.1531	6.625566	6.68225	6.712618	7.184757	7.155542	7.189657	6.745021	6.747615	6.919196
PRSS27	ENSG00000172382	-0.13731	1.57323	-1.32041	0.20373	0.257063	-6.00647	1.561356	1.508929	1.585853	1.578054	1.612488	1.757653	1.074544	1.301009	1.38134	2.635389	2.727926	2.816411	2.579013	2.517623	2.513282	2.639009	2.634012	2.374055
SYNPO2	ENSG00000172403	1.236746	3.627384	18.13526	8.90E-13	1.05E-10	19.50472	3.836399	3.657602	3.931056	4.88719	4.84865	4.889321	3.647218	3.833587	3.783962	3.002038	2.980302	2.920951	4.143408	4.274468	4.169997	3.032701	2.908298	2.880366
CLP1	ENSG00000172409	-0.13473	4.811798	-2.2849	0.03506	0.054125	-5.16373	4.543331	4.424018	4.553323	4.218476	4.158524	4.170914	4.568297	4.610649	4.512744	5.326119	5.283572	5.414689	5.306202	5.255884	5.341488	5.260328	5.274377	5.377239
COPS9	ENSG00000172428	0.27356	5.37064	4.721958	0.000183	0.000505	-0.07262	5.403266	5.269425	5.290713	5.71757	5.654575	5.510028	5.218618	5.521547	5.435842	5.21079	5.301333	5.406528	5.463201	5.534411	5.654408	5.31071	5.206502	5.207621
GTPBP2	ENSG00000172432	0.353748	4.91692	7.230218	1.19E-06	6.37E-06	5.098599	4.051848	4.243278	4.275483	4.40878	4.462952	4.271657	4.057185	4.147745	4.252911	5.550237	5.53695	5.45006	5.929806	5.923245	5.895027	5.64542	5.672912	5.720055
FGGY	ENSG00000172456	-0.3169	2.675088	-2.72848	0.014047	0.023904	-3.75736	3.509372	3.759847	3.466347	3.273122	3.225109	3.119801	2.933443	2.894433	2.501332	3.091698	2.779525	2.966075	2.566893	3.032175	2.703134	2.400938	2.030948	2.033602
PRSS30P	ENSG00000172460	0.257895	-1.65545	1.458337	0.162484	0.210809	-5.4636	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.676063	1.644832	1.562415	1.897591	1.560439	1.826726	1.058946	1.581179	1.416439
FUT9	ENSG00000172461	-0.1811	-0.73871	-1.58542	0.130797	0.174743	-5.66509	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.08079	3.287042	2.766268	2.812503	2.756951	2.858649	2.924322	3.225651	3.135595
TCEAL1	ENSG00000172465	0.205607	3.891944	2.186874	0.042614	0.064467	-5.04323	4.635242	4.360345	4.509652	4.88719	4.70778	4.918297	4.428731	3.978187	4.339245	3.576295	3.414909	3.579277	3.617489	3.560336	3.470269	3.39949	3.32748	3.241681
ZNF24	ENSG00000172466	-0.56651	6.554351	-5.58275	2.98E-05	0.000102	1.644829	7.184164	7.258882	7.216333	6.243524	6.30028	6.263719	6.971664	7.041366	7.066682	6.412644	6.450203	6.354556	6.235665	6.2029	6.17458	6.289918	6.304986	6.301309
MANEA	ENSG00000172469	0.289895	3.722566	3.562006	0.002314	0.004783	-2.19253	3.887134	3.991467	3.88052	4.333937	4.352066	4.400463	4.479546	4.526303	4.490278	3.284659	3.381904	3.373604	3.36795	3.503965	3.412858	3.493521	3.503143	3.410407
MAB21L4	ENSG00000172478	0.914391	1.714424	11.7773	9.67E-10	1.86E-08	12.40167	0.106501	0.215206	0.323815	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	6.467061	6.446217	6.647626	7.487671	7.455388	7.398959	6.850958	6.731915	6.697111
AFF1	ENSG00000172493	-0.53892	5.539458	-7.90912	3.53E-07	2.26E-06	6.266095	4.516725	4.57954	4.492928	4.384261	4.352066	4.30129	4.552561	4.569092	4.497806	7.018203	7.201682	6.969641	6.427169	6.449894	6.341015	6.601065	6.580298	6.624204
FIBP	ENSG00000172500	0.6341	6.208778	8.09254	2.56E-07	1.72E-06	6.544045	5.411954	5.337144	5.405371	6.34865	6.387211	6.293514	5.55111	5.602735	5.612649	6.439576	6.481699	6.552455	6.93657	6.911938	6.865962	6.69971	6.714164	6.594479
BANP	ENSG00000172530	0.134173	3.8373	1.372726	0.187196	0.238803	-6.35411	3.84498	3.58855	3.688245	4.122913	4.020303	4.226032	4.079318	4.030158	4.063004	3.926269	3.878373	3.973292	4.050717	3.78648	3.679472	4.067877	4.07722	3.797179
PPP1CA	ENSG00000172531	0.4076	7.36273	9.698842	1.87E-08	1.98E-07	9.169662	6.665951	6.689226	6.678272	7.218288	7.216574	7.18469	7.246883	7.155741	7.297697	7.491066	7.389824	7.535202	7.814209	7.77118	7.756307	7.879111	7.886835	7.821088
HCFC1	ENSG00000172534	-0.31091	7.227991	-3.37716	0.003469	0.006843	-3.23634	7.227465	7.244525	7.410643	7.171291	7.421707	7.320227	7.220985	7.094814	7.156216	7.47293	7.535284	7.412607	6.973764	6.79515	6.888701	7.369483	7.325599	7.242753
PDE3A	ENSG00000172572	0.799438	3.135541	2.261984	0.036706	0.056354	-4.17374	7.133406	7.175568	7.149433	8.013692	7.980534	8.099363	7.770096	7.767241	7.765097	0.7264	0.748206	0.958181	0.294634	0.345231	0.404558	0.686723	0.358227	0.497646
RASGRP1	ENSG00000172575	0.414179	2.569949	2.047546	0.055939	0.08229	-5.13233	3.041689	2.853456	2.99819	2.425456	2.366112	2.346268	2.412257	2.147141	2.047395	3.113269	3.295928	2.87437	4.006532	3.766081	3.922159	2.597261	2.354144	2.200755
CHCHD1	ENSG00000172586	0.078987	4.999837	1.380537	0.184823	0.236198	-6.5842	5.362012	5.237561	5.344527	5.615935	5.431202	5.404757	5.482179	5.462247	5.338588	4.553726	4.739193	4.783729	4.650776	4.704269	4.705559	4.730238	4.641102	4.665927
MRPL52	ENSG00000172590	-0.38174	5.694633	-5.56288	3.11E-05	0.000106	1.659571	5.364998	5.396065	5.480815	4.746789	4.84865	4.662649	5.152303	5.028565	5.121883	6.424556	6.399572	6.498188	6.28459	6.235415	6.121813	6.563618	6.413172	6.330153
SMPDL3A	ENSG00000172594	1.037678	2.045838	6.89084	2.25E-06	1.10E-05	5.009033	2.296082	1.631689	1.987129	3.273122	3.033076	3.051692	1.917967	2.220554	2.309357	2.100009	2.303453	1.986992	2.638129	2.784257	2.821313	2.075685	2.054898	2.442395
RND1	ENSG00000172602	-0.64023	1.856177	-3.07621	0.006678	0.012329	-3.11944	1.286899	0.661886	0.829201	1.634586	1.768674	1.422231	1.160105	0.824004	1.171446	3.798946	3.68898	3.834184	3.057395	2.888589	2.858649	4.057652	4.094656	3.976887
RAD9A	ENSG00000172613	-0.48579	3.73731	-4.99779	0.000102	0.0003	0.795215	3.454357	3.439663	3.466347	3.619685	3.546181	3.26222	3.490873	3.302095	3.162566	4.58494	4.536672	4.612661	3.997531	3.86531	3.922159	4.349322	4.211138	4.494122
EFEMP2	ENSG00000172638	0.856723	0.367224	2.856178	0.010713	0.018762	-2.96694	1.519087	1.327092	1.54317	1.840866	1.307481	1.310092	1.588238	1.491012	1.727075	0.7264	0.583785	0.449284	1.154653	1.528499	1.390007	1.214313	0.871168	1.322858
WASHC2C	ENSG00000172661	0.244512	5.066755	3.133674	0.005897	0.011026	-3.39744	6.022073	6.083368	6.042692	6.245795	6.081878	6.248587	5.847177	5.962395	5.926124	4.299944	4.082178	4.201752	4.499582	4.630959	4.569568	3.818209	3.829005	3.797179
TMEM134	ENSG00000172663	0.071432	4.703509	0.81226	0.427568	0.492626	-7.2051	4.683882	4.673038	4.89628	4.245952	4.537243	4.512384	4.376062	4.405576	4.339245	4.877414	4.881766	4.90687	5.240955	5.107039	5.183718	5.03391	4.897703	4.894538
ZMAT3	ENSG00000172667	-0.01404	5.39206	-0.17116	0.866061	0.889846	-7.54672	6.506075	6.541767	6.566826	6.408639	6.212315	6.365418	6.227647	6.29959	6.152831	4.533868	4.54415	4.29666	4.690417	4.70069	4.76248	4.271827	4.395944	4.359215
ZFAND4	ENSG00000172671	0.432753	1.74566	2.701654	0.014865	0.025136	-3.48798	2.629805	2.513665	2.812981	2.91067	2.737798	3.216292	2.637802	3.043491	2.959482	1.315703	1.467416	1.333627	1.667235	1.462417	2.014873	1.599785	1.329561	1.703111
ZNF738	ENSG00000172687	0.082031	1.935614	0.857209	0.40293	0.468141	-6.52022	1.894617	2.009193	1.667608	1.840866	1.718467	1.669505	2.058296	1.901414	1.962896	2.736149	2.779525	2.569785	2.770846	2.888589	2.846311	2.706012	2.726388	2.649309
SLFN11	ENSG00000172716	0.447033	0.193441	1.530925	0.143687	0.189493	-5.20723	1.12723	1.118985	1.028027	2.103714	1.996426	1.367251	1.917967	1.945386	1.620777	1.028404	0.748206	0.726056	0.745413	0.671977	0.533283	0.837776	1.118494	0.872651
CORO1B	ENSG00000172725	0.698555	6.252931	7.768056	4.52E-07	2.78E-06	5.953027	5.601118	5.622666	5.673707	5.938549	6.079394	5.877705	5.907184	5.833775	5.773239	6.279458	6.321217	6.488942	7.312288	7.268621	7.278432	6.649529	6.5772	6.442871
FUT10	ENSG00000172728	-0.36183	3.779208	-4.33625	0.000423	0.001056	-0.54791	3.967917	4.354415	4.057757	3.840029	3.734793	4.036412	4.393833	4.203129	4.216877	3.907872	3.878373	3.848714	3.429485	3.520297	3.454098	3.762638	3.675254	3.669942
LRRC20	ENSG00000172731	0.525203	3.59615	4.150447	0.000635	0.001512	-0.86542	4.232739	4.249682	3.906009	4.927344	4.888929	4.839695	4.393833	4.397684	4.355908	3.047564	2.946841	3.125724	3.157774	3.329589	2.930541	2.855159	2.985098	2.629903
MUS81	ENSG00000172732	-0.03241	5.409454	-0.61835	0.544318	0.604606	-7.49016	4.758449	4.774231	4.874926	4.54774	4.701332	4.414089	4.864381	4.825892	4.878354	6.111435	6.069855	6.138988	6.161037	6.169635	6.186865	6.189303	6.177154	6.228989
TMEM217	ENSG00000172738	0.933066	0.434859	4.729308	0.00018	0.000498	0.887237	1.286899	1.277811	1.146821	1.840866	1.768674	1.714252	1.459147	1.710758	1.445026	1.073118	0.640699	0.958181	1.524131	1.393161	1.247156	0.686723	1.072305	0.999041
ZNF596	ENSG00000172748	-0.177	1.522904	-1.13478	0.271793	0.331974	-6.06058	1.894617	2.470453	2.326135	1.840866	1.666451	2.064596	1.917967	1.901414	1.962896	2.18395	2.032826	1.73919	1.935792	2.084417	1.970087	1.627702	1.956613	1.910335
CFL1	ENSG00000172757	-0.07484	9.618135	-2.84332	0.011011	0.019222	-4.53502	9.248456	9.221021	9.214441	9.138048	9.231555	9.135609	9.282466	9.263357	9.297301	10.05129	9.989818	9.987287	9.892123	9.940787	9.935498	10.09303	10.11256	10.12717
TMCC1	ENSG00000172765	0.314566	4.715293	4.380492	0.000384	0.000971	-0.76123	4.2778	4.184325	4.145977	4.640378	4.551652	4.72411	4.068294	3.833587	3.913431	5.144243	5.279098	5.160861	5.456648	5.40626	5.453507	5.153958	5.16584	5.397464
NAA16	ENSG00000172766	0.316735	3.989466	2.973261	0.008338	0.015001	-3.58311	3.498536	3.695626	3.678418	4.290615	4.343809	4.467345	4.154215	4.119235	4.042563	4.182415	4.132653	3.986493	4.063713	4.062207	4.179864	4.098126	4.293974	4.18401
PSME3IP1	ENSG00000172775	-0.06712	6.423468	-1.54417	0.14046	0.185772	-6.5983	6.996658	7.042664	7.004557	6.918734	6.807642	6.952282	6.589465	6.581449	6.607167	6.124772	6.069855	6.148806	6.146858	6.077446	6.088153	5.958727	5.945351	5.886702
RAB43	ENSG00000172780	1.112933	-0.06878	4.348553	0.000412	0.001032	0.082441	0.667115	0.499412	0.512639	1.326771	1.718467	1.188496	0.415731	0.509405	0.735084	0.834246	1.112482	1.277453	1.524131	1.495836	1.423614	1.177011	1.547811	1.058313
CBWD1	ENSG00000172785	-0.1482	4.876139	-2.24677	0.037838	0.057949	-5.21062	5.125418	5.011285	5.134153	5.117849	5.029402	5.063714	4.7858	4.911516	4.825493	4.883704	5.003394	5.01818	4.734427	4.739573	4.742646	4.793224	4.695442	5.059556
DCP2	ENSG00000172795	-0.9601	5.21817	-12.4906	3.84E-10	8.80E-09	13.41636	5.806172	5.792378	5.666267	4.881362	4.854473	4.894191	5.555064	5.7022	5.466856	5.756222	5.608245	5.612134	4.653644	4.668079	4.681452	5.028684	4.92395	5.119922
RPL38	ENSG00000172809	-0.08247	8.439568	-2.23684	0.038593	0.058929	-5.63295	8.611389	8.594187	8.604645	8.454471	8.47832	8.401253	8.562662	8.470178	8.535162	8.38484	8.398655	8.304461	8.2684	8.358036	8.428892	8.349143	8.361231	8.423794
CYP7B1	ENSG00000172817	-0.34095	-1.10426	-2.35888	0.030202	0.047271	-4.21267	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.543041	2.500824	2.638296	1.99126	2.169719	2.465679	2.229352	2.190809	2.649309
OVOL1	ENSG00000172818	-0.10007	0.891824	-1.51824	0.146835	0.193092	-6.40693	0.216396	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.952982	5.853677	5.950891	5.955599	5.819829	5.730227	5.336314	5.465192	5.365554
RARG	ENSG00000172819	-0.41971	6.011397	-5.94737	1.42E-05	5.39E-05	2.393816	5.049495	5.130591	5.086643	4.440838	4.628433	4.55606	4.528631	3.999201	4.252911	7.722714	7.584164	7.736785	7.346367	7.309134	7.318621	7.432171	7.365048	7.361492
CES4A	ENSG00000172824	0.7034	0.193084	6.248194	7.78E-06	3.20E-05	3.587242	0.41387	0.316291	0.323815	0.258133	0.389229	0.2349	0.106501	0.106501	0.106501	3.255856	3.195032	3.203153	3.974777	3.871689	3.916269	2.77004	3.034117	3.050576
CES3	ENSG00000172828	0.20766	0.389105	0.933535	0.363262	0.42813	-5.9198	2.27083	2.125186	2.194417	2.143217	2.117603	2.064596	1.816207	1.85606	2.047395	0.415169	0.748206	0.499259	0.701742	1.077171	0.760679	0.686723	0.69947	0.580851
SSH3	ENSG00000172830	0.430673	4.958246	4.792944	0.000157	0.000441	0.081988	4.538049	4.424018	4.37619	4.517996	4.408574	4.186878	4.111894	3.84524	4.00079	5.46891	5.538823	5.560106	6.210567	6.107484	6.123092	5.557443	5.686391	5.562649
CES2	ENSG00000172831	-0.10488	6.76701	-1.77	0.094169	0.130777	-6.27663	7.70793	7.665007	7.748466	7.408616	7.497166	7.476138	7.281899	7.205184	7.286875	6.143238	6.045033	6.119148	6.208618	6.159243	6.11025	6.062088	6.042884	5.915037
PDP2	ENSG00000172840	-0.02441	5.221685	-0.22828	0.82208	0.852547	-7.55884	5.506933	5.32203	5.483639	5.72735	5.824412	5.794193	5.566862	5.408281	5.519576	5.159875	5.095341	5.037335	4.853955	4.565575	4.749288	5.02081	4.993761	5.09537
SP3	ENSG00000172845	0.138458	6.77445	2.283958	0.035126	0.054198	-5.42504	6.411038	6.37311	6.347162	6.553121	6.546779	6.583107	6.763589	6.85221	6.665144	7.006724	6.990755	6.974066	7.047032	7.124496	7.08918	6.908277	6.981932	6.970241
DMXL1	ENSG00000172869	0.888801	5.245587	14.26894	4.57E-11	1.83E-09	15.60828	5.246942	5.393175	5.396406	6.331652	6.23258	6.382847	5.982519	6.100066	6.01274	4.337085	4.390842	4.224215	5.012045	5.029288	5.076884	4.595365	4.73304	4.731125
METAP1D	ENSG00000172878	-0.41322	4.109518	-7.47336	7.66E-07	4.36E-06	5.762053	4.271448	4.522504	4.520694	4.052041	4.110665	3.97338	4.13321	4.128801	4.17992	4.295234	4.427694	4.398932	3.937609	3.993677	4.051393	4.194605	4.151298	4.150354
ZNF621	ENSG00000172888	-0.28496	4.969528	-3.18609	0.005263	0.009955	-3.33403	5.379837	5.375715	5.50047	4.971905	4.733289	4.942007	5.213624	5.289629	5.261087	4.874259	5.123069	4.835713	4.846454	4.767207	5.000996	4.681127	4.808944	4.703543
EGFL7	ENSG00000172889	0.21116	5.132735	1.452432	0.164098	0.21267	-6.32354	6.551345	6.620472	6.73033	6.803259	7.061583	6.810071	6.976095	6.717636	6.904826	3.047564	3.278101	3.602326	3.288992	3.591587	3.404467	4.240529	4.041704	4.044405
NADSYN1	ENSG00000172890	0.866781	5.71265	10.12349	9.87E-09	1.17E-07	10.01671	6.033379	6.013586	6.013674	6.684442	6.610109	6.691987	6.073542	6.100066	6.174129	4.951137	4.836805	4.771071	5.972925	5.852446	5.933444	4.704254	5.072132	4.906683
DHCR7	ENSG00000172893	0.362623	6.39257	1.897929	0.074348	0.105958	-6.01071	6.108352	6.151641	6.074887	7.117763	7.015546	7.017339	7.656911	7.452818	7.578916	6.014459	5.915526	6.043273	5.755221	5.727893	5.66674	6.160926	5.950148	6.008166
NBEA	ENSG00000172915	0.389577	3.381213	1.814031	0.086878	0.121684	-5.6303	2.725848	2.966631	3.217639	4.254996	4.110665	4.28655	3.238915	3.002451	3.023464	3.560679	3.878373	3.495574	3.409264	3.453829	3.563664	3.756329	3.757829	3.734962
RNASEH2C	ENSG00000172922	0.849692	4.81408	9.891699	1.40E-08	1.57E-07	9.740361	3.633432	3.714268	3.81026	4.765896	4.955466	4.98829	4.673889	4.703199	4.700591	4.963066	4.942447	4.950186	5.631211	5.556356	5.570637	5.492503	5.401238	5.233567
MYEOV	ENSG00000172927	-1.11704	4.98554	-12.9674	2.12E-10	5.62E-09	13.94441	3.623492	3.968357	3.871922	2.840308	2.57804	2.258349	2.667326	2.623806	2.915195	7.583797	7.546962	7.590642	6.575183	6.478387	6.525471	7.355986	7.391741	7.335521
ANKRD13D	ENSG00000172932	0.067695	4.749032	0.932474	0.363795	0.428651	-7.10908	4.158957	4.17089	4.476008	4.54774	4.758354	4.592471	4.496094	4.389749	4.475104	5.228194	5.097884	5.243822	5.127945	5.10974	5.060955	5.189513	5.211838	5.161062
MYD88	ENSG00000172936	1.484937	5.933576	8.915076	6.46E-08	5.49E-07	8.014589	4.044416	4.058659	3.955676	6.474	6.366983	6.521493	5.360933	5.302366	5.291723	6.156285	6.183153	6.195974	7.125048	7.108382	7.193924	6.69477	6.706624	6.650925
OXSR1	ENSG00000172939	0.007218	6.626255	0.124723	0.902166	0.919599	-7.8122	6.386267	6.27135	6.322134	6.607092	6.44045	6.56184	6.54244	6.387886	6.336161	6.846112	6.943469	6.913155	6.715603	6.80851	6.744068	6.923138	6.892552	6.90413
PHF8	ENSG00000172943	-0.57128	6.50638	-8.75398	8.41E-08	6.85E-07	7.687584	6.704182	6.704458	6.685649	5.901593	5.830334	5.930809	6.49383	6.41355	6.584368	6.952408	6.856795	6.822822	6.525948	6.472103	6.474272	6.720924	6.693334	6.648516
LCLAT1	ENSG00000172954	0.39612	4.682498	6.984268	1.89E-06	9.46E-06	4.757268	4.456406	4.395423	4.288462	4.797189	4.701332	4.834637	5.060712	5.27247	5.150819	4.35077	4.36574	4.415294	4.718081	4.638459	4.863891	4.950708	5.036489	5.037632
MIR4435-2	ENSG00000172965	-0.71679	5.289224	-4.60943	0.000234	0.000626	-0.30624	5.356021	5.444322	5.344527	3.933121	3.923901	4.009735	5.435754	5.462247	5.238799	6.01159	5.929869	5.980882	5.542705	5.59927	5.726866	5.664076	5.711094	5.656743
VDAC2P5	ENSG00000172974	-0.82836	-0.20973	-2.66769	0.015965	0.026774	-3.2169	1.681202	1.670392	1.888281	1.519216	1.498102	1.188496	2.186178	1.430416	1.777424	0.934589	0.748206	0.397516	0.294634	0.26996	0.404558	0.63264	0.69947	0.409347
KAT5	ENSG00000172977	-0.0782	5.888301	-1.606	0.126189	0.169334	-6.46016	5.708461	5.750092	5.690917	5.591153	5.529116	5.559916	5.850398	5.876989	5.895106	6.123444	6.045033	6.185519	6.124292	6.074684	6.080272	6.207916	6.079832	6.070675
GXYLT2	ENSG00000172986	1.253366	1.356252	2.847763	0.010907	0.019066	-3.16008	2.218961	2.179863	2.109199	1.888135	2.078331	2.098749	2.376953	2.481727	2.471058	1.028404	1.029669	0.683459	2.706013	2.686334	2.858649	1.177011	1.406038	1.115245
DCAKD	ENSG00000172992	-0.36207	4.799482	-3.59312	0.002161	0.004505	-2.45505	5.334855	5.32203	5.363051	4.532944	4.621619	4.604407	4.544628	4.747338	4.751857	5.004057	4.989766	5.056239	5.134119	4.92887	4.778803	4.519164	4.660745	4.461559
TADA2B	ENSG00000173011	-0.06471	5.958962	-1.37305	0.187097	0.238698	-6.78117	6.095825	6.094084	6.087938	5.949732	5.994917	5.897242	5.994216	6.040494	6.06688	5.849142	5.840072	5.937359	5.935709	5.855668	5.855558	6.142902	6.063691	5.989254
CCDC96	ENSG00000173013	0.290275	0.794028	1.573325	0.13357	0.177898	-5.3896	1.384302	1.327092	1.818408	1.634586	1.498102	1.475193	0.983587	0.915275	1.445026	1.616888	1.467416	1.387696	1.597456	1.993753	1.775589	1.177011	1.513652	1.703111
GRK2	ENSG00000173020	-0.09149	6.921051	-0.73872	0.469883	0.533313	-7.58104	5.643543	5.752349	5.64624	6.120268	6.407159	6.164417	5.964794	5.991525	5.923331	8.000672	7.948461	8.070359	7.615258	7.542424	7.543529	8.244286	8.166128	8.110367
RELA	ENSG00000173039	-0.04531	7.062513	-0.72002	0.481031	0.544404	-7.59508	6.923601	6.89115	7.022147	6.608857	6.743187	6.65373	6.760168	6.772065	6.870446	7.295606	7.174836	7.404844	7.468661	7.404054	7.411576	7.309883	7.336021	7.278244
ZNF680	ENSG00000173041	-0.73046	2.865588	-5.73082	2.20E-05	7.83E-05	2.410401	1.642349	1.947501	2.018628	2.425456	2.193078	1.575618	1.917967	1.988058	2.165532	4.58494	4.479316	4.753161	3.675081	3.826433	3.824901	4.442647	4.258317	4.59264
HECTD4	ENSG00000173064	0.392477	5.821828	4.814853	0.00015	0.000424	0.065121	5.562619	5.607787	5.703085	5.996317	6.081878	6.287974	6.079044	5.795247	5.880784	5.72153	5.983108	5.470561	6.063051	5.993658	5.950836	5.757061	5.682553	5.65194
FAM222B	ENSG00000173065	1.547174	5.366456	19.06716	3.86E-13	5.41E-11	20.41351	4.478633	4.435299	4.441562	5.654037	5.617385	5.584228	5.506885	5.360361	5.673738	4.460029	4.599033	4.635187	6.349704	6.185083	6.315508	6.076086	5.977034	5.97009
BNC2	ENSG00000173068	-0.61541	0.04944	-1.34572	0.19559	0.248066	-5.40753	4.456406	4.136747	4.314076	3.619685	3.588725	3.560621	5.238424	5.108097	5.005251	0.190076	0.106501	0.106501	0.106501	0.26996	0.263213	0.183756	0.106501	0.106501
HPSE	ENSG00000173083	0.04854	3.429742	0.774668	0.44889	0.513001	-7.07057	3.262728	2.9974	3.24453	3.359513	3.151334	3.231764	2.26554	2.596487	2.202855	4.464232	4.419586	4.431472	4.414217	4.561635	4.456413	3.7814	3.786722	3.856822
COQ2	ENSG00000173085	0.200838	4.078139	2.157832	0.045125	0.067768	-5.12945	4.620325	4.424018	4.44736	4.43289	4.580048	4.761901	4.723921	4.819999	4.73921	3.591745	3.836353	3.413246	3.819988	3.852467	3.957004	3.830273	3.571152	3.621636
HSPA6	ENSG00000173110	-1.15291	3.989484	-6.43174	5.43E-06	2.34E-05	3.56083	2.218961	2.125186	2.138168	2.518519	2.737798	2.374422	2.186178	1.491012	2.005764	6.74524	6.219803	6.331464	5.168614	5.188499	5.110805	6.850958	7.113907	6.916195
TRMT112	ENSG00000173113	-0.24665	7.420103	-5.82224	1.83E-05	6.66E-05	2.040351	7.078979	7.083567	7.042402	6.704387	6.706631	6.689188	7.068894	6.955272	7.116428	8.053233	7.886936	7.9814	7.808752	7.820236	7.825117	7.973917	7.954845	7.977531

KDM2A	ENSG00000173120	-0.25432	7.382157	-5.57964	3.00E-05	0.000103	1.532588	6.94571	7.043585	6.98376	6.54577	6.573505	6.649416	7.021098	6.963315	6.945304	8.025059	8.003746	7.967321	7.861489	7.848	7.836468	7.978328	7.925104	7.934184
ADCK5	ENSG00000173137	0.396933	3.02413	5.922918	1.49E-05	5.61E-05	2.829235	2.438959	2.308123	2.166567	2.864145	2.71237	2.481849	2.545421	2.357042	2.408535	3.805587	3.953305	3.882059	4.312636	4.200384	4.179864	3.799922	3.863317	3.734962
MRPL57	ENSG00000173141	-0.21406	5.671496	-3.94856	0.000989	0.002242	-1.82591	5.578142	5.738755	5.64624	5.464331	5.507103	5.401341	5.490461	5.575011	5.431918	5.844313	5.939825	6.120146	5.728267	5.706642	5.836971	5.985944	5.861261	5.756303
NOC3L	ENSG00000173145	-0.21391	5.792092	-3.05272	0.007026	0.012904	-3.76132	5.93634	6.045222	6.003871	5.521661	5.550798	5.605169	5.949855	6.143184	5.96466	5.800109	5.818649	5.799558	5.724181	5.814873	5.774854	5.705599	5.795257	5.78729
ESRRA	ENSG00000173153	0.243317	5.828126	3.297422	0.00413	0.008017	-3.27572	5.45743	5.355074	5.393406	5.768983	6.049244	5.697212	5.469665	5.331655	5.478316	6.001504	6.071149	6.158558	6.227989	6.192746	6.1597	6.324444	6.205516	6.045263
RHOD	ENSG00000173156	0.618374	4.626893	8.785927	7.98E-08	6.56E-07	7.884489	3.085796	3.286138	3.231147	3.753334	3.683372	3.419122	3.219115	3.160038	3.421943	5.636563	5.657342	5.913369	6.378593	6.319479	6.455103	6.241052	6.097236	5.913032
COMMD1	ENSG00000173163	-0.14441	4.259556	-2.54742	0.020518	0.033525	-4.51448	4.439509	4.354415	4.424025	4.041626	4.120365	4.386706	4.245129	4.389749	4.279358	4.517783	4.357275	4.453822	4.32708	4.363157	4.372859	4.32821	4.298997	4.341429
RAPH1	ENSG00000173166	0.23048	5.898517	2.692401	0.015157	0.025569	-4.51379	5.912046	5.790183	5.922947	6.446632	6.331931	6.496091	6.045709	6.095194	6.041352	5.716254	5.865664	5.692199	5.702186	5.661337	5.716735	5.726727	5.690219	5.774091
MTX1	ENSG00000173171	-0.38474	5.437237	-5.23113	6.20E-05	0.000195	1.020988	5.868521	5.787985	5.764758	5.072529	5.1432	5.1639	5.360933	5.364416	5.559688	5.57959	5.58849	5.622036	5.446761	5.48534	5.405959	5.454038	5.389513	5.431488
PARP14	ENSG00000173193	-0.07145	6.843215	-0.83405	0.415506	0.480557	-7.49912	5.914086	5.839841	5.863473	6.115311	6.128283	6.125602	5.784566	5.9217	5.848765	7.816926	7.882518	7.706192	7.532375	7.572592	7.554473	7.806164	7.98749	8.058237
CKS1B	ENSG00000173207	-1.56094	6.152868	-11.0992	2.43E-09	3.77E-08	11.43712	6.577325	6.535229	6.464749	5.569568	5.703792	5.559916	6.44991	6.723961	6.605426	6.93207	6.764578	6.814827	4.766576	4.92887	4.785281	6.663082	6.671231	6.668864
AHSA2P	ENSG00000173209	0.282418	4.595682	3.038697	0.007242	0.013255	-3.59979	4.456406	4.293732	4.686762	4.99368	4.831037	4.942007	4.504297	4.533523	4.6676	4.667452	4.875852	4.554757	4.86884	4.777434	4.857757	4.189932	4.419196	4.703543
ABLIM3	ENSG00000173210	0.171452	2.454688	1.960996	0.066013	0.095357	-5.59936	0.587539	0.499412	0.829201	1.256461	1.164793	1.055701	0.670238	1.301009	1.0941	4.966032	5.051412	4.974681	5.094564	5.012067	5.193492	5.498185	5.467424	5.502565
MAB21L3	ENSG00000173212	-0.30528	-0.80883	-1.87991	0.076895	0.109239	-5.01587	0.318509	0.316291	0.323815	0.258133	0.25478	0.106501	0.106501	0.106501	0.106501	2.121457	2.372288	2.213454	1.954519	2.084417	2.220059	1.542275	1.737342	1.504318
MFSD4B	ENSG00000173214	-0.10874	2.620657	-0.96404	0.348174	0.412429	-6.50189	2.949211	2.836538	3.06005	2.48816	2.660129	2.605775	3.19904	2.825515	3.044176	2.856146	2.946841	2.7037	2.802201	2.901116	3.032078	2.794876	2.755911	2.778299
VANGL1	ENSG00000173218	1.335955	6.159418	11.85989	8.67E-10	1.70E-08	12.48225	4.855064	4.86879	4.758481	6.560435	6.744756	6.659462	6.688182	6.482325	6.502546	5.702088	5.676181	5.66372	6.65177	6.588979	6.619099	6.748998	6.744856	6.783075
GLRX	ENSG00000173221	-0.53653	5.909103	-6.498	4.77E-06	2.09E-05	3.773059	7.802926	7.794387	7.724191	7.303572	7.294681	7.313881	8.164929	8.133751	8.217817	4.489195	4.369954	4.402219	3.783794	3.738425	3.793113	4.332457	4.395944	4.170642
IQCB1	ENSG00000173226	-0.57972	4.183115	-6.18746	8.78E-06	3.55E-05	3.199545	4.495082	4.624584	4.288462	3.472378	3.546181	3.608819	3.719464	3.711575	3.421943	4.902409	4.899366	4.857431	4.558917	4.463697	4.504317	4.640597	4.486784	4.627304
SYT12	ENSG00000173227	0.339711	3.631633	6.10096	1.04E-05	4.11E-05	2.818255	1.069823	1.226787	0.898566	1.326771	1.768674	1.526279	0.886508	0.915275	1.314712	6.764964	6.759769	6.851964	7.132777	7.056831	7.129833	6.923138	6.947162	6.888904
GOLGB1	ENSG00000173230	0.581799	6.122477	9.185356	4.18E-08	3.84E-07	8.440648	5.916123	5.952086	6.099032	6.416721	6.360859	6.630571	5.791286	5.871301	5.959217	6.008715	6.143088	5.743641	6.617661	6.603423	6.590718	5.943536	5.984847	5.962353
C11orf86	ENSG00000173237	-0.5901	0.240001	-1.14187	0.26891	0.328903	-5.6798	1.384302	1.551021	1.853768	2.103714	2.078331	2.196611	1.648695	1.710758	2.047395	1.388276	1.265082	1.126631	0.352262	0.416769	0.186984	0.837776	0.572487	0.999041
GPR137	ENSG00000173264	0.2261	4.736907	3.183448	0.005293	0.010008	-3.3018	4.798758	4.809337	5.010354	5.272812	5.387689	5.203674	4.851577	4.790167	4.789145	4.497421	4.644965	4.69001	4.734427	4.627193	4.639165	4.584723	4.482376	4.45606
SNCG	ENSG00000173267	0.103889	3.555127	1.266236	0.222046	0.277567	-6.82678	1.561356	1.744817	1.706811	0.742604	1.307481	1.055701	1.389995	1.760835	1.244857	6.51849	6.387151	6.539825	6.686492	6.612974	6.649596	6.365436	6.334638	6.365783
MMRN2	ENSG00000173269	0.539304	-0.75573	2.799028	0.012099	0.02092	-3.39325	0.106501	0.215206	0.106501	0.106501	0.25478	0.106501	0.106501	0.253663	0.106501	1.91588	2.453955	2.485514	2.83289	2.784257	2.633039	2.524879	2.354144	2.629903
MZT2A	ENSG00000173272	-0.28185	5.19092	-3.01984	0.007543	0.013731	-3.68777	5.847324	5.912273	5.957896	5.375899	5.72937	5.522662	5.78793	5.7054	5.830996	4.569418	4.679329	5.041557	4.601127	4.615839	4.588211	5.080106	4.829917	4.541628
TNKS	ENSG00000173273	-0.07016	5.255829	-1.43608	0.168638	0.21784	-6.56581	5.70139	5.668796	5.81496	5.612421	5.53638	5.751893	5.566862	5.609584	5.523269	5.041104	5.043519	4.904554	4.912595	4.894826	5.034009	4.902958	4.864208	4.938581
ZNF449	ENSG00000173275	0.164205	2.860817	1.868761	0.07851	0.111221	-5.307	3.498536	3.428416	3.565652	3.753334	3.616407	3.632327	3.457463	3.619579	3.557782	2.574485	2.604605	2.497858	2.727949	2.797719	2.465679	2.300453	2.500854	2.610232
ZBTB21	ENSG00000173276	-0.288	4.591069	-2.95712	0.008632	0.015463	-3.74812	5.042051	4.929882	4.946277	4.171485	4.276	4.34463	4.772276	4.664259	4.72003	4.721121	4.536672	4.654613	4.653644	4.704269	4.606616	4.694387	4.65292	4.651565
PPP1R3B	ENSG00000173281	-0.52519	4.773253	-8.39805	1.52E-07	1.11E-06	7.284492	4.707601	4.594711	4.339244	4.299384	4.231942	4.130213	4.504297	4.603806	4.585199	5.387157	5.535075	5.396673	4.82626	4.901075	4.814076	5.378002	5.26414	5.428683
FAM86B3P	ENSG00000173295	-0.03199	1.815548	-0.28546	0.778647	0.816001	-6.99463	1.861169	1.81559	1.667608	1.578054	1.556428	1.526279	1.160105	0.824004	1.171446	3.186323	3.250939	3.172678	3.221013	3.41941	3.085545	2.568742	3.081525	2.668457
STOX2	ENSG00000173320	0.599774	3.896099	7.726845	4.86E-07	2.96E-06	6.308232	4.456406	4.501192	4.388298	4.746789	4.928114	5.076625	4.264577	4.341199	4.235006	3.255856	3.1855	3.187996	3.918659	3.78648	3.910354	3.366734	3.104657	3.398988
MAP3K11	ENSG00000173327	0.307874	6.4105	6.323692	6.71E-06	2.81E-05	3.151646	5.792929	5.71581	5.778624	5.977316	6.221357	5.988874	5.843949	5.740142	5.895106	6.801133	6.742809	6.951805	7.200042	7.118474	7.10545	7.003244	7.005936	6.843293
TRIB1	ENSG00000173334	-0.76929	5.962548	-7.36963	9.25E-07	5.12E-06	5.228301	6.031501	5.99274	6.071137	4.827817	4.782991	4.829562	4.709802	4.696781	4.694053	7.134188	7.101338	7.178168	6.667463	6.600546	6.595334	6.617691	6.641881	6.678341
SFT2D3	ENSG00000173349	0.5497	3.968193	9.719002	1.82E-08	1.93E-07	9.582926	3.719942	3.439663	3.618004	4.112999	3.978251	4.062605	3.66196	3.761625	3.641718	3.956418	4.157244	4.197974	4.659362	4.679032	4.635585	4.302461	4.227036	4.329449
DAG1	ENSG00000173402	1.088061	7.946483	7.942668	3.33E-07	2.15E-06	6.17453	8.0207	8.061087	8.055605	9.439916	9.55671	9.44925	8.407293	8.316465	8.368101	6.80859	6.877662	6.786176	7.549414	7.534907	7.502347	7.486542	7.484493	7.458189
ARV1	ENSG00000173409	1.107477	4.249245	8.691864	9.31E-08	7.44E-07	8.000311	4.798758	4.86879	4.883506	5.746715	5.582723	5.812316	5.523124	5.609584	5.619566	2.749986	2.561038	2.7037	3.970183	4.028349	4.139984	3.39949	3.337278	3.050576
NAA20	ENSG00000173418	-0.53869	7.143746	-8.21356	2.08E-07	1.45E-06	6.691293	7.502938	7.516246	7.412126	6.657412	6.735318	6.701742	6.908164	6.989804	7.080534	7.354529	7.432254	7.435649	7.075114	7.123828	7.035851	7.252764	7.29513	7.270432
SAA1	ENSG00000173432	0.255376	1.361353	0.531316	0.601888	0.658728	-6.28133	5.590951	5.352102	5.350729	5.55133	5.411586	5.622881	2.724622	3.102941	2.869505	0.190076	0.259702	0.288049	0.656707	0.837535	0.760679	0.576451	0.19538	0.580851
MICOS10	ENSG00000173436	0.109054	1.669248	0.896512	0.382162	0.446854	-6.30541	2.137484	2.125186	2.138168	2.577385	2.229385	2.317553	2.058296	2.184314	2.202855	1.865926	1.989662	1.969371	1.797417	1.871771	2.07955	2.192442	1.795362	1.910335
EHBP1L1	ENSG00000173442	0.040655	5.635961	0.421877	0.678258	0.72684	-7.62665	4.659767	4.538284	4.799861	5.236746	5.253089	5.135391	4.857993	5.023446	4.983968	6.334446	6.350301	6.432988	6.235665	6.167044	6.143404	6.678179	6.616959	6.609418
THAP2	ENSG00000173451	0.152953	2.730995	1.136536	0.271076	0.331268	-6.3224	3.17016	2.886707	3.25779	3.020814	2.787348	3.103073	3.507292	3.122225	3.453254	2.574485	2.674414	2.682227	3.02232	2.962168	2.942182	2.625227	2.618024	2.59029
RNF26	ENSG00000173456	0.32648	5.383553	3.244147	0.004638	0.008891	-3.32899	4.387594	4.236845	4.351665	5.209091	5.180767	5.171943	4.864381	4.981823	4.956916	5.81005	5.880509	5.939624	6.070582	5.873258	5.861701	6.254544	6.27216	6.31048
PPP1R14B	ENSG00000173457	-0.10488	7.098745	-2.7042	0.014785	0.025025	-4.64153	6.565692	6.575297	6.550756	6.446632	6.561094	6.384578	6.813958	6.809724	6.796075	7.50235	7.471022	7.550837	7.393451	7.421006	7.403177	7.978667	7.900944	7.860127
ZNRD2	ENSG00000173465	-0.20502	4.963062	-2.04778	0.055913	0.082261	-5.65046	4.811948	4.796272	4.908943	3.988393	4.177232	4.146631	4.090259	4.009594	4.252911	5.651384	5.655617	5.846165	5.768511	5.788145	5.703115	5.66576	5.589281	5.43987
AGR3	ENSG00000173467	2.688785	-1.31959	7.874357	3.75E-07	2.38E-06	6.818111	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.073118	1.265082	1.027938	3.599754	3.462307	3.637126	1.482378	1.329561	1.461048
SMARCC1	ENSG00000173473	-0.08997	7.534249	-2.74224	0.013645	0.023289	-4.61627	7.029023	7.080876	6.994691	6.833761	6.854888	6.916826	6.671888	6.779676	6.754262	8.319358	8.253393	8.304022	8.281669	8.210464	8.27716	8.048747	8.07866	8.086986
ZNF417	ENSG00000173480	0.06067	3.103299	0.764352	0.454854	0.518901	-6.9421	2.548084	2.636038	2.5366	2.393052	2.686486	2.825643	2.376953	2.777669	2.588518	3.93235	4.087306	3.722908	3.904282	3.976023	3.991027	3.994729	4.083055	4.115895
PTPRM	ENSG00000173482	0.773751	6.068161	4.390799	0.000376	0.000953	-0.66371	7.850043	7.841785	7.889844	8.935682	8.922383	9.012804	8.187392	8.079287	8.163241	4.172174	4.061483	4.021115	3.804587	3.993677	3.904416	3.749992	3.644015	3.969186
FKBP2	ENSG00000173486	0.433734	5.934897	6.061011	1.13E-05	4.42E-05	2.702073	5.70139	5.567343	5.597531	6.220625	6.403191	6.25428	6.054115	6.150246	6.242934	5.73898	5.701482	5.838905	5.990046	5.998038	5.969444	6.031066	5.962863	5.847335
VEGFB	ENSG00000173511	1.265053	5.098179	9.787487	1.64E-08	1.78E-07	9.554953	3.999005	3.983805	3.871922	5.927278	5.782263	5.683212	5.167879	4.938965	5.082376	4.914746	4.925369	5.030978	5.836975	5.699488	5.864762	5.338427	5.336761	5.243178
PEAK1	ENSG00000173517	0.72511	4.9532	11.18727	2.15E-09	3.42E-08	11.61883	4.333741	4.395423	4.470324	5.209091	4.992907	5.187896	4.437325	4.070428	4.16108	5.321493	5.442072	5.039448	5.903542	5.998038	5.949395	5.004933	5.109777	5.052285
TNFRSF10[	ENSG00000173530	-1.84332	5.989525	-29.7062	2.09E-16	4.95E-13	27.72852	7.415629	7.475164	7.415088	5.55133	5.4273	5.569081	7.414039	7.34717	7.379431	5.785068	5.734541	5.775677	4.187612	3.90938	4.213876	5.936577	5.835567	6.021259
MST1	ENSG00000173531	0.206177	1.728497	0.844763	0.409658	0.474718	-6.39247	2.833249	2.232543	2.900124	2.359902	1.909591	2.317553	2.186178	2.108984	2.408535	1.814181	1.851833	1.877881	2.479079	2.581279	2.544166	1.45147	1.478665	1.273688
TNFRSF10(	ENSG00000173535	0.421248	1.826873	3.723763	0.001622	0.003481	-1.53653	2.080492	1.708084	1.706811	1.888135	1.864131	1.956998	1.588238	2.147141	1.777424	2.204194	2.320972	2.409144	2.760241	2.784257	2.782986	2.611312	2.726388	2.48622
GMPPB	ENSG00000173540	-0.02014	5.047621	-0.12852	0.899205	0.917697	-7.58033	4.296689	4.249682	4.326715	5.142425	5.114368	5.059385	4.902122	4.944392	4.906906	5.47933	5.342658	5.537862	5.069012	4.968095	4.90611	5.808277	5.788131	5.859884
MOB1B	ENSG00000173542	0.303545	5.424087	3.332192	0.003828	0.007488	-3.13496	4.965424	5.022548	4.917323	5.622938	5.450555	5.625812	5.300979	5.289629	5.466856	5.737245	5.758847	5.55273	5.747188	5.727893	5.810222	5.420516	5.348921	5.497221
ZNF622	ENSG00000173545	-0.1263	6.064073	-2.20721	0.040933	0.062128	-5.49739	6.239421	6.19044	6.110041	5.809447	5.87112	5.862876	5.701383	5.606164	5.776337	6.307799	6.310295	6.359638	6.384647	6.335719	6.342114	6.192812	6.098677	6.058025
SNX33	ENSG00000173548	1.450255	5.029229	16.23194	5.58E-12	4.14E-10	17.74432	4.399293	4.377991	4.357835	6.041444	6.128283	5.956646	5.502797	5.458458	5.435842	4.408616	4.292151	4.310722	5.50191	5.472807	5.526854	4.777733	4.683969	4.784756
NABP1	ENSG00000173559	0.179669	5.41816	1.309814	0.207214	0.26102	-6.8261	5.613726	5.413282	5.497679	5.009799	4.911451	4.969954	4.825625	4.905964	4.906906	5.6347	5.693098	5.545315	6.215427	6.245274	6.250281	5.479156	5.498321	5.560088
CHD2	ENSG00000173575	-0.07674	6.474044	-0.97282	0.343917	0.408133	-7.32944	6.198157	6.170327	6.091646	5.778422	5.888253	5.944959	6.070782	6.175851	6.123935	7.073583	7.098166	6.903328	7.072973	7.06729	7.08918	6.711172	6.694287	6.695945
CCDC106	ENSG00000173581	0.661451	2.194724	5.870698	1.66E-05	6.14E-05	3.02996	2.392887	2.674627	2.166567	2.81607	3.170134	3.069023	2.752438	2.801791	2.748518	1.940223	2.011405	2.104662	2.452975	2.549802	2.481722	2.317694	2.465551	2.06284
CEP83	ENSG00000173588	-0.1336	3.695564	-1.7529	0.097141	0.134393	-5.76079	4.102823	4.197635	4.065319	4.209199	4.020303	4.293939	3.988671	3.82184	3.879258	3.785574	3.774119	3.769472	3.513977	3.357127	3.608189	3.366734	3.366281	3.444131
NUDT4	ENSG00000173598	-0.26224	5.699671	-6.45644	5.17E-06	2.24E-05	3.511836	5.353017	5.424646	5.347631	5.122798	5.119213	5.183924	5.387786	5.517911	5.500968	6.312469	6.197451	6.143905	5.907152	5.992195	5.929063	6.239922	6.168947	6.278122
PC	ENSG00000173599	0.902343	5.341786	3.016063	0.007604	0.013827	-3.68213	4.863535	4.856254	4.970641	6.823158	6.869341	6.750895	6.477256	6.353622	6.21352	4.707004	4.682721	4.687318	4.437701	4.255082	4.20424	5.191852	5.363378	5.227124
SCAI	ENSG00000173611	-0.55531	2.857516	-5.32471	5.10E-05	0.000164	1.74168	3.337603	3.07157	2.933559	2.181668	2.686486	2.763128	3.115825	3.160038	2.937508	3.340597	3.517242	3.406715	2.872818	3.009215	3.064395	3.190769	3.093137	3.30423
NMNAT1	ENSG00000173614	-0.30854	3.17578	-3.87448	0.001164	0.002583	-1.52078	3.454357	3.310847	3.217639	2.864145	2.605925	3.016392	2.832807	2.777669	3.00245	3.75845	3.774119	3.919248	3.708564	3.583837	3.62273	3.455083	3.595851	3.581792
LRFN4	ENSG00000173621	0.917519	4.900226	5.424611	4.14E-05	0.000137	1.512861	4.152058	4.354415	4.424025	5.272812	5.757614	5.428451	4.384974	4.282412	4.459769	4.368817	4.658809	5.005268	5.361625	5.425898	5.447393	5.664076	5.545575	5.157678
SLC19A1	ENSG00000173638	-0.30308	4.801425	-4.74778	0.000173	0.000481	0.072328	4.532747	4.649014	4.758481	4.342447	4.551652	4.30129	4.637058	4.562048	4.73921	5.085433	5.207908	5.359952	4.973543	4.837324	4.917949	5.410507	5.341637	5.187851
RCE1	ENSG00000173653	-0.08589	5.322137	-1.10611	0.283671	0.344719	-7.02979	4.933595	4.856254	5.018167	5.092847	5.334513	5.106307	5.060712	4.9659	5.015776	5.766469	5.70649	5.808257	5.514586	5.430226	5.521044	5.882568	5.750126	5.715459
UQCRH	ENSG00000173660	-0.09904	7.550283	-2.96942	0.008407	0.015109	-4.12775	7.626907	7.648745	7.638716	7.50842	7.482199	7.427418	7.525041	7.655861	7.605289	7.586209	7.595905	7.52619	7.50683	7.52533	7.557787	7.554021	7.525246	7.552035
EIF1AX	ENSG00000173674	-0.05178	7.523531	-1.14028	0.269555	0.32958	-7.22635	7.606866	7.577985	7.575257	7.728106	7.695125	7.652478	7.650457	7.746419	7.670852	7.485391	7.462661	7.508379	7.296319	7.294372	7.281872	7.467841	7.40053	7.46915
BCLAF3	ENSG00000173681	0.351019	3.578578	4.227332	0.000537	0.001307	-0.79953	3.509372	3.714268	3.597291	3.591402	3.683372	3.711713	3.571163	3.550079	3.572114	3.50465	3.591299	3.625013	4.041988	4.089828	4.056758	3.678389	3.546022	3.95366
PSMD1	ENSG00000173692	-0.07493	7.502865	-1.46851	0.159734	0.207923	-6.79924	7.88062	7.842844	7.837816	7.969048	7.915866	7.968683	8.072783	8.061291	8.056424	7.19488	7.141947	7.142741	6.878915	6.953124	6.897697	7.160222	7.11034	7.122066
ADGRG2	ENSG00000173698	1.177449	2.695808	2.773167	0.012781	0.021974	-3.16021	6.922588	7.022236	7.020203	8.120225	8.15288	8.247051	6.408987	6.513697	6.413815	0.190076	0.330605	0.397516	0.562188	0.190544	0.812339	0.686723	0.816175	0.315289
MUC13	ENSG00000173702	1.40906	3.709336	11.41671	1.57E-09	2.67E-08	12.10212	3.056542	2.853456	2.600444	4.290615	4.493129	4.454215	3.405851	3.196885	3.254305	3.857636	4.071868	3.964424	5.069012	5.218837	5.191054	3.307556	3.485627	3.267027
SUSD5	ENSG00000173705	1.287841	4.288958	15.49789	1.19E-11	7.04E-10	17.00962	3.747663	3.667203	3.638424	5.236746	5.20376	4.93257	5.077304	4.866483	5.005251	3.303547	3.439177	3.579277	4.47385	4.433832	4.492489	4.504182	4.521577	4.562249
HEG1	ENSG00000173706	0.699876	5.766346	3.518678	0.002544	0.005206	-2.74243	5.533718	5.569905	5.56856	6.994936	6.978695	7.083857	6.14086	5.935393	6.06688	5.46891	5.500898	5.4389	5.43847	5.25832	5.386919	5.382106	5.256415	5.317842
C11orf80	ENSG00000173715	0.893973	2.872586	11.5124	1.38E-09	2.42E-08	12.29729	2.137484	2.125186	2.109199	2.688367	2.85862	2.557474	2.446718	2.702788	2.643847	3.385609	3.136872	3.305013	4.106206	4.200384	4.139984	3.623987	3.750515	3.631427
TOMM20	ENSG00000173726	-0.55037	8.47332	-5.32111	5.13E-05	0.000165	0.94108	9.175494	9.239841	9.186111	8.329476	8.372211	8.331158	9.307879	9.371565	9.304025	8.094826	8.105498	8.089348	7.837097	7.864884	7.876834	7.998849	8.042056	8.07403
AP000769.	ENSG00000173727	0.887842	2.848133	4.178888	0.000597	0.001432	-0.58538	3.385444	3.647938	3.597291	4.525489	4.70778	4.814227	3.647218	4.128801	3.935772	1.646779	2.115463	2.104662	1.916818	2.169719	2.276326	2.384669	2.254246	2.464474
AGFG1	ENSG00000173744	-0.01973	7.678118	-0.38257	0.706654	0.753866	-7.7961	8.366325	8.379937	8.355702	8.464252	8.502629	8.527292	8.583138	8.55156	8.562788	7.021059	7.019206	6.939413	6.809247	6.795988	6.797116	6.920319	6.868259	6.893997
STAT5B	ENSG00000173757	-0.62214	5.348651	-6.05599	1.14E-05	4.46E-05	2.845269	6.234531	6.168638	6.262537	5.259393	5.309293	5.246196	6.33962	6.326859	6.466555	4.779626	4.836805	4.703397	4.543538	4.682664	4.448272	5.139487	5.121165	5.133766
CNP	ENSG00000173786	-0.04641	6.909159	-1.02018	0.321556	0.3849	-7.30773	7.106895	7.091611	7.158299	6.930071	7.014246	6.99144	6.900414	7.029924	6.897731	6.923701	6.800927	6.905067	6.934213	6.960624	6.844411	6.79435	6.630969	6.673611
JUP	ENSG00000173801	0.096612	9.1106	1.326638	0.201702	0.254752	-7.11227	8.922866	8.900507	9.008262	9.308448	9.380752	9.280042	9.32158	9.147548	9.277211	9.10449	9.043886	9.151665	8.972959	8.90515	8.930158	9.147391	9.147499	9.089243
HAP1	ENSG00000173805	-0.61072	2.949483	-1.87916	0.077003	0.10937	-5.32415	3.672523	3.695626	3.688245	4.161901	4.061165	4.138446	2.933443	3.160038	2.981126	3.385609	3.463043	3.276636	1.99126	1.622273	2.014873	2.979529	2.921385	2.742606
EIF1	ENSG00000173812	-0.16077	9.340636	-4.79873	0.000155	0.000436	-0.23689	10.06843	10.05008	9.998137	9.962495	9.95201	9.920231	10.20965	10.22285	10.23798	8.648531	8.608699	8.648991	8.354864	8.389494	8.467922	8.793284	8.775312	8.869765
ENDOV	ENSG00000173818	0.438898	5.185798	3.365289	0.003561	0.007005	-3.0341	5.067938	5.073976	5.152017	4.960893	4.871804	4.839695	4.998191	5.048863	4.813478	5.144243	5.145366	5.208582	6.072726	5.910909	5.975122	5.365622	5.271824	5.171166
RNF213	ENSG00000173821	0.058731	8.206067	0.781986	0.444688	0.508975	-7.64601	7.347816	7.469002	7.456648	7.385124	7.509214	7.809592	7.658749	7.544122	7.546619	8.96427	9.161443	8.693441	8.938832	8.863751	8.97901	8.859898	8.775312	8.847622
PLK3	ENSG00000173846	-0.77547	4.945532	-7.9159	3.49E-07	2.24E-06	6.436472	5.703751	5.668796	5.774017	4.694564	4.84865	4.899045	4.99237	4.790167	4.813478	5.131086	5.077414	5.127485	4.549709	4.455227	4.468538	4.983487	4.897703	5.03025
NET1	ENSG00000173848	-0.26804	7.115271	-1.59217	0.12927	0.172947	-6.63727	6.799969	6.912497	6.817981	5.749917	5.773069	5.697212	5.843949	5.948957	5.900795	7.940478	7.938565	7.909009	8.134436	8.194651	8.166449	8.184748	8.185582	8.223525
DPY19L1	ENSG00000173852	0.049171	7.34153	0.472986	0.642076	0.694019	-7.71426	8.10125	8.13689	8.030233	8.475418	8.414217	8.432555	8.555772	8.5269	8.45187	6.493004	6.648825	6.527836	6.194901	6.229218	6.271199	6.242181	6.339522	6.284342
ZNF791	ENSG00000173875	-0.24418	4.495231	-3.39073	0.003368	0.006664	-2.81917	4.730936	4.796272	4.777019	4.612502	4.204846	4.202668	4.544628	4.651042	4.482711	4.674725	4.702905	4.595532	4.499582	4.634714	4.543056	4.466031	4.49993	4.467038
PHC3	ENSG00000173889	0.13692	5.317272	1.6877	0.109232	0.148918	-6.22805	5.167074	5.140963	5.293935	5.468225	5.450555	5.680396	5.601686	5.564476	5.50844	5.272006	5.485444	5.072837	5.250459	5.175668	5.280893	5.215041	5.299655	5.453733
GPR160	ENSG00000173890	-0.26636	2.07221	-1.35863	0.191541	0.243647	-5.89708	3.026682	2.853456	2.916938	2.633943	1.666451	2.402038	2.412257	2.324112	2.723053	2.01088	2.135404	2.286428	2.314863	2.250257	2.399663	2.247458	2.429363	2.14716
CBX2	ENSG00000173894	0.506576	5.830586	7.088108	1.55E-06	8.00E-06	4.759636	5.82147	5.936292	6.003871	6.36336	6.508511	6.44058	5.940817	5.795247	5.877902	5.314527	5.397356	5.375087	5.902337	5.769478	5.866291	5.802165	5.68063	5.635005
SPTBN2	ENSG00000173898	0.268435	5.918946	3.128224	0.005967	0.011141	-3.68842	4.645102	4.733688	4.904734	4.43289	4.662026	4.34463	4.583863	4.357565	4.41276	7.142735	7.274298	7.234118	7.746981	7.643269	7.616181	7.200861	7.171183	7.097552
GOLIM4	ENSG00000173905	1.047848	5.401737	6.235666	7.98E-06	3.27E-05	3.168884	5.227386	4.980813	5.018167	6.677732	6.787998	6.731979	5.904087	5.896721	5.833973	4.845549	4.842882	4.788762	5.136171	5.1936	5.176344	4.950708	5.030462	4.898598
RBM4B	ENSG00000173914	-0.09897	5.05636	-1.46229	0.16141	0.20974	-6.54198	4.702888	4.724521	4.933939	5.015132	4.860273	4.946703	4.932837	4.709588	4.819498	5.447841	5.538823	5.421185	5.202303	5.167914	5.299114	5.312861	5.442675	5.344873
ATP5MD	ENSG00000173915	-0.31328	6.414584	-7.94459	3.31E-07	2.14E-06	6.293705	7.109568	7.035269	7.037605	6.6693	6.647485	6.66232	6.758454	6.764414	6.75269	6.214827	6.165079	6.16921	5.876792	6.002404	6.021128	5.944923	5.970753	5.987349
C1QTNF1	ENSG00000173918	1.52327	-0.07376	4.590596	0.000243	0.00065	0.664464	2.483604	2.09705	2.681399	3.791129	3.722109	3.560621	2.779728	2.801791	2.82232	0.106501	0.185134	0.16959	0.407676	0.190544	0.335616	0.457048	0.2791	0.315289
MARCHF3	ENSG00000173926	0.599551	2.568486	2.608518	0.018069	0.029895	-4.09511	1.18244	2.09705	1.358564	2.21912	2.117603	2.258349	2.957542	2.676938	2.440135	3.629659	3.584062	3.630629	4.050717	3.921728	4.179864	3.133504	2.947209	2.975687
SWSAP1	ENSG00000173928	0.196213	2.174707	1.940699	0.0686	0.098632	-5.12713	2.320899	2.206444	2.423483	2.325974	2.605925	2.763128	2.186178	2.147141	2.127218	2.589954	2.546219	2.604447	2.781373	2.797719	2.481722	2.432936	2.649824	2.570068
SLCO4C1	ENSG00000173930	0.369928	-0.13362	1.590221	0.129709	0.173468	-5.43492	0.41387	0.410755	0.219246	0.258133	0.25478	0.2349	0.415731	0.387194	0.735084	2.263275	2.23117	2.004401	2.566893	2.700737	2.465679	1.784732	1.613793	1.81044
RBM4	ENSG00000173933	0.079981	1.907858	0.568549	0.576895	0.635133	-6.71611	1.826927	1.883052	2.194417	2.021307	1.437317	1.714252	1.867984	2.290412	1.674905	2.693825	2.714733	2.396013	2.862939	2.686334	2.821313	2.611312	2.518186	2.79582
XXYLT1	ENSG00000173950	1.009144	3.995968	7.688281	5.21E-07	3.14E-06	6.245839	3.86199	3.912946	4.034833	5.241304	5.287935	5.155812	4.599263	4.722281	4.520155	3.123934	3.313538	3.117748	3.691919	3.738425	3.799527	4.021281	3.815048	3.779675
UBXN2A	ENSG00000173960	0.133781	4.838647	2.715799	0.014428	0.024496	-4.26132	5.104131	4.965333	4.946277	5.15214	5.049849	5.106307	5.360933	5.416115	5.287386	4.472601	4.570022	4.469576	4.624704	4.671739	4.67449	4.730238	4.729324	4.708177
LRRC63	ENSG00000173988	0.376125	-1.0199	0.898044	0.381367	0.446035	-5.77299	1.561356	1.780637	2.194417	2.143217	1.718467	1.840725	3.027514	3.102941	2.748518	0.190076	0.106501	0.106501	0.234608	0.190544	0.186984	0.106501	0.19538	0.214669
CCS	ENSG00000173992	0.341946	4.645922	5.463125	3.82E-05	0.000127	1.632125	4.762983	4.564207	4.547936	4.733909	4.831037	4.679672	4.512454	4.459641	4.436456	4.703453	4.623947	4.671058	5.176612	5.093459	5.115953	4.640597	4.641102	4.494122
CEP19	ENSG00000174007	0.147342	1.957129	1.504734	0.150249	0.197249	-5.66599	2.548084	2.76681	2.681399	2.97776	2.57804	2.652511	2.446718	2.481727	2.530983	1.98771	2.053933	1.986992	2.162115	2.269709	2.07955	1.809319	1.766644	1.81044
KLHL15	ENSG00000174010	-0.99235	4.632434	-14.9969	2.04E-11	1.04E-09	16.47116	5.82147	5.783578	5.760107	4.584077	4.801196	4.685302	5.54317	5.528791	5.493457	4.391063	4.525382	4.32118	3.629193	3.599295	3.693316	4.147172	4.140146	4.150354
FBXO45	ENSG00000174013	-0.8086	5.562935	-17.5827	1.49E-12	1.53E-10	19.03447	5.736401	5.690142	5.65879	4.892995	4.782991	4.942007	5.147073	5.281075	5.296047	6.294879	6.250983	6.267113	5.541158	5.451674	5.505435	5.889791	6.017209	6.077854
GNG5	ENSG00000174021	0.046636	6.279453	1.155124	0.263588	0.323394	-7.09149	6.279537	6.319327	6.17962	6.292659	6.239272	6.246684	6.44139	6.331009	6.493161	6.246895	6.162652	6.242565	6.242349	6.342624	6.321092	6.372672	6.314938	6.305902
FAM3C2P	ENSG00000174028	-0.75639	2.78271	-7.73801	4.77E-07	2.91E-06	6.384352	2.416107	2.308123	2.37563	1.978268	1.666451	2.374422	2.446718	2.108984	2.127218	4.125171	4.209911	4.167389	3.266686	3.329589	3.637126	3.967679	4.106163	3.831562
SLC25A30	ENSG00000174032	-0.33633	4.570545	-3.43358	0.003066	0.006138	-2.67634	4.988842	4.913842	4.954444	4.845887	4.831037	5.033133	5.257962	5.38452	5.216162	4.501517	4.494836	4.506699	3.928165	3.813238	3.928025	4.293774	4.263465	4.286716
CTSF	ENSG00000174080	1.104147	5.233501	15.13039	1.76E-11	9.40E-10	16.57052	5.699026	5.78137	5.734251	6.640258	6.812138	6.715565	5.661594	5.721295	5.735532	4.212707	4.260723	4.147939	5.35987	5.419382	5.405959	3.945668	3.974229	3.856822
MSRB3	ENSG00000174099	-0.27889	3.034479	-1.87783	0.077194	0.109608	-5.17049	5.045778	5.063109	5.041355	4.647264	4.688349	4.690911	4.792514	4.849227	4.837409	1.616888	1.588084	1.562415	1.954519	1.591687	1.610309	2.055273	2.030948	2.174206
LEMD3	ENSG00000174106	-0.20044	5.252377	-2.95683	0.008637	0.015471	-3.90033	4.981078	4.945746	4.994599	5.067404	5.128856	5.010886	5.136557	4.971227	5.174497	5.77326	5.741062	5.698897	5.411614	5.320261	5.341488	5.516966	5.54346	5.491856
C16orf91	ENSG00000174109	-0.44007	5.194201	-6.6313	3.69E-06	1.68E-05	3.914919	5.053202	5.158086	5.258094	4.640378	4.701332	4.512384	4.512454	4.62424	4.505294	5.92581	5.776414	5.986368	5.490727	5.495702	5.624013	5.739577	5.695942	5.565205
TLR1	ENSG00000174125	1.376684	0.734068	2.312124	0.033193	0.05154	-4.09562	1.990546	2.009193	1.888281	1.840866	1.666451	1.367251	1.648695	2.108984	1.727075	0.54782	0.640699	0.594297	2.591031	2.671787	2.80865	1.099384	0.504542	0.580851
TLR6	ENSG00000174130	0.398954	4.488298	1.182936	0.252676	0.311402	-6.62279	5.517707	5.474709	5.673707	5.444703	5.079986	5.30589	5.943836	6.070587	5.94552	3.0698	2.946841	3.101662	4.630539	4.638459	4.480563	3.063688	2.947209	3.107809
FAM174A	ENSG00000174132	0.056227	4.250902	0.548587	0.590228	0.64761	-7.21221	4.620325	4.733688	4.73022	4.654117	4.447623	4.447604	4.716879	4.796183	4.872576	3.980092	3.924944	3.964424	4.226655	4.225504	4.209066	3.737235	3.929587	3.725851
RGMB	ENSG00000174136	-0.21272	5.223355	-3.57938	0.002227	0.004623	-2.54449	5.180696	5.281977	5.211151	5.199754	5.099733	5.110498	5.396627	5.45466	5.400136	5.432908	5.34694	5.487683	5.069012	5.185942	5.126195	5.271431	5.211838	5.265357
FAM53A	ENSG00000174137	-0.44711	0.429349	-1.47235	0.158704	0.206866	-5.35995	2.165157	2.068355	2.351095	1.256461	1.307481	1.475193	1.389995	1.549165	1.38134	0.834246	0.848253	0.76743	0.945898	1.077171	1.08859	1.286141	1.16325	0.580851
CYB561D1	ENSG00000174151	0.305524	4.267263	4.963801	0.000109	0.000319	0.569859	3.729242	3.537122	3.648527	3.57705	3.772191	3.897801	3.388228	3.477062	3.340558	4.98955	4.848932	4.961372	5.26366	5.277664	5.326021	5.075046	5.135275	5.123395
ZDHHC24	ENSG00000174165	0.747581	4.524184	9.29124	3.54E-08	3.32E-07	8.839723	4.744758	4.673038	4.734969	5.236746	5.20376	5.167927	4.31208	4.332946	4.527529	3.980092	4.056262	4.260892	5.003078	5.082502	4.992623	4.171084	4.221756	3.930053
TRMT10C	ENSG00000174173	-0.51499	5.758033	-6.23231	8.03E-06	3.28E-05	3.064531	6.097621	5.973524	5.84602	5.16659	5.14795	5.055043	5.56294	5.673074	5.643517	6.015891	6.099342	6.077603	5.810235	5.799899	5.773225	6.172818	6.047368	6.18811
CTU2	ENSG00000174177	-0.24586	4.756097	-3.73583	0.001579	0.003397	-2.15232	4.527427	4.484999	4.626705	4.236852	4.485643	4.146631	4.393833	4.299455	4.726452	5.291059	5.214953	5.324005	5.176612	4.897954	5.068941	5.26478	5.302159	5.154286
MGA	ENSG00000174197	-0.11479	6.312301	-2.56345	0.019847	0.032563	-4.86161	5.823643	5.790183	5.876425	5.749917	5.738846	5.801988	5.539183	5.698992	5.598715	7.074271	7.138864	6.907382	6.854195	6.937247	6.899191	6.915372	6.764961	6.876607
C12orf66	ENSG00000174206	-0.17802	4.444594	-1.69355	0.108096	0.147683	-6.02836	5.319544	5.312885	5.297149	4.772209	4.648682	5.028711	4.681143	4.759705	4.467457	4.114515	4.097507	4.182763	4.290695	4.205443	4.351192	4.010719	3.903444	3.831562
PIGG	ENSG00000174227	0.108223	6.62062	1.65615	0.115534	0.156465	-6.48518	6.409593	6.427787	6.394453	6.672679	6.685551	6.770892	6.025902	6.058125	6.126365	6.91221	7.01652	6.916032	6.923559	6.902624	6.906637	6.721734	6.801697	6.776472
PRPF8	ENSG00000174231	-0.07381	8.676157	-1.47217	0.158753	0.20691	-6.87935	9.094152	9.103961	9.199272	9.126391	9.1713	9.275383	9.235502	9.143424	9.177034	8.318197	8.399171	8.191679	8.112455	8.041823	8.116592	8.178569	8.179467	8.176231
ADCY6	ENSG00000174233	0.45509	5.293393	4.133784	0.000659	0.001563	-1.30615	5.285277	5.224615	5.258094	5.762655	5.641162	5.553773	6.127646	6.037958	6.106808	4.77625	4.84591	4.740231	5.210117	5.301484	5.274	5.010245	4.984438	4.849107
PITPNA	ENSG00000174238	-0.17604	7.214209	-3.41354	0.003204	0.006377	-3.13285	8.019279	7.982523	8.042257	7.69526	7.665618	7.643829	7.789525	7.796796	7.85136	6.632118	6.612829	6.621069	6.657496	6.630006	6.607265	6.572622	6.60078	6.63276
DDX23	ENSG00000174243	0.035718	7.165349	0.596527	0.558472	0.618051	-7.68489	6.971409	6.943443	6.917419	7.160503	7.198373	7.150499	6.943283	6.900479	6.868995	7.400761	7.339677	7.368752	7.289882	7.221953	7.242987	7.464942	7.381715	7.399233
ZNHIT2	ENSG00000174276	0.270338	4.214852	2.137891	0.046926	0.070185	-5.36829	3.65311	3.99909	3.906009	3.51817	3.531716	3.485165	3.490873	3.214961	3.498982	4.630531	4.77459	5.049965	5.212064	5.38635	5.31263	5.153958	5.069195	4.582581

ZBTB4	ENSG00000174282	0.634699	6.110715	12.23545	5.31E-10	1.14E-08	12.98732	6.164275	6.221723	6.245997	6.865108	6.827023	6.918022	6.659086	6.510042	6.526664	5.456306	5.423946	5.587799	6.11079	6.081579	6.040211	5.679162	5.574859	5.510546
TNK1	ENSG00000174292	0.608217	2.889747	8.571392	1.14E-07	8.74E-07	7.816221	1.927307	2.09705	2.018628	2.393052	2.460774	2.288255	2.26554	2.389238	2.202855	3.688323	3.633975	3.561745	4.226655	4.11155	4.315833	4.32821	4.200441	4.037057
ZHX3	ENSG00000174306	0.195209	4.146245	2.254779	0.037238	0.057104	-5.02529	3.999005	4.021717	4.095173	4.052041	4.249727	4.549901	4.454362	4.444399	4.527529	4.114515	4.265255	4.12026	4.301707	4.317159	4.242405	4.113016	4.106163	4.143528
PHLDA3	ENSG00000174307	-0.46267	6.637081	-6.14613	9.53E-06	3.80E-05	2.837603	7.714969	7.79	7.763069	7.000324	7.221089	7.039488	7.650457	7.521605	7.534776	5.888767	5.89374	6.007027	5.72145	5.747102	5.725182	5.958727	5.861261	5.745073
SLC16A13	ENSG00000174327	0.460942	1.931599	4.214989	0.000551	0.001338	-0.41734	2.19231	2.232543	2.37563	2.791417	2.57804	2.374422	2.303642	2.324112	2.588518	1.814181	1.945166	2.07201	2.385571	2.23054	2.433049	2.034568	2.146913	2.277588
GLIS1	ENSG00000174332	0.491559	-0.7892	2.5251	0.021489	0.034955	-3.50561	3.249862	3.428416	3.511328	3.753334	4.071202	3.868406	3.388228	3.491964	3.421943	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CHRNA9	ENSG00000174343	0.34465	0.210646	0.736446	0.471229	0.534628	-6.05682	1.642349	1.226787	1.62731	0.635873	1.006428	1.310092	2.01302	2.220554	2.501332	0.609835	0.398185	0.54756	1.218025	1.320413	1.284217	0.974502	0.871168	0.734116
STAG3L3	ENSG00000174353	0.862002	1.89507	6.681446	3.35E-06	1.54E-05	4.663833	2.109269	2.470453	2.351095	2.999448	2.835252	2.94309	2.607661	2.938616	2.697131	1.423238	1.725977	1.60868	2.314863	2.416542	2.161508	1.85727	1.67689	1.81044
SNHG11	ENSG00000174365	-0.49826	3.250595	-5.81493	1.85E-05	6.74E-05	2.755515	4.044416	4.029182	4.07284	3.674639	3.630051	3.510758	4.068294	4.019913	4.032233	3.165825	3.086546	3.210672	2.529911	2.642244	2.976553	2.901634	2.921385	2.880366
C11orf45	ENSG00000174370	0.478328	0.776917	2.185477	0.042732	0.064614	-4.35821	1.681202	1.81559	1.256574	1.888135	1.556428	1.623325	1.160105	1.430416	1.0941	1.028404	1.112482	1.387696	1.573426	1.819936	1.488568	1.65509	1.2488	1.703111
EXO1	ENSG00000174371	-1.85198	5.627383	-10.9973	2.80E-09	4.22E-08	11.47061	7.620674	7.709823	7.649446	6.142369	6.241496	6.182445	7.892337	7.965778	7.838078	5.079966	5.043519	5.119519	2.399306	2.642244	2.481722	4.950708	4.773297	4.840691
RALGAPA1	ENSG00000174373	0.09598	5.73173	2.456204	0.024766	0.039705	-4.99333	5.313374	5.240779	5.27123	5.517909	5.274966	5.438487	5.387786	5.285358	5.261087	6.139301	6.195078	6.175948	6.256567	6.176092	6.283835	6.171633	6.164826	6.139191
LIG4	ENSG00000174405	0.159267	4.290498	1.689472	0.108887	0.148566	-5.93645	4.837972	4.80064	4.817878	5.025739	4.950037	5.093661	5.29153	5.21525	5.238799	3.77884	3.633975	3.834184	3.845296	3.819851	3.773698	3.516101	3.620134	3.631427
GTF2IRD2E	ENSG00000174428	0.670066	2.473384	7.18494	1.30E-06	6.87E-06	5.539352	2.917019	3.012542	2.865896	3.456785	3.48743	3.485165	3.137083	3.102941	2.959482	2.056133	2.053933	2.152295	2.67247	2.642244	2.703134	2.26534	1.90484	2.397196
ATP2A2	ENSG00000174437	0.140251	9.489076	1.504948	0.150195	0.1972	-6.89165	9.333615	9.306436	9.340144	9.839754	9.85022	9.872755	9.788035	9.768975	9.779554	9.364077	9.361328	9.325568	9.119274	9.128328	9.12341	9.525027	9.485015	9.529871
ZWILCH	ENSG00000174442	-0.98048	5.301617	-7.44923	8.00E-07	4.53E-06	5.523696	4.937612	5.08834	4.978671	4.778495	4.7142	4.793524	5.396627	5.546744	5.229787	6.049846	6.096801	6.067286	4.763924	4.660731	4.732626	6.102439	6.08856	6.127131
RPL4	ENSG00000174444	-0.17217	10.83315	-6.93908	2.05E-06	1.02E-05	4.105169	11.26304	11.25438	11.23842	11.06303	11.0796	11.04913	11.15376	11.15723	11.15641	10.64499	10.57159	10.52974	10.39464	10.4353	10.4468	10.48408	10.53551	10.55414
SNAPC5	ENSG00000174446	0.250781	5.056565	3.927411	0.001036	0.002332	-1.7377	5.156772	5.208268	5.155563	5.569568	5.194607	5.438487	5.277239	5.224202	5.388034	4.766072	4.719513	4.643544	5.029814	4.897954	4.961501	4.983487	5.060349	5.150886
C12orf76	ENSG00000174456	0.211059	3.77068	1.990617	0.062395	0.090748	-5.4485	3.952119	3.750846	3.889066	3.57705	3.630051	3.711713	3.853933	3.672864	3.681923	3.851231	3.992097	3.91004	4.230502	4.420842	4.427716	3.730814	3.822043	3.68882
ZCCHC12	ENSG00000174460	0.295186	-0.56626	0.763475	0.455363	0.519314	-6.34788	0.216396	0.106501	0.106501	0.258133	1.006428	0.657796	0.106501	0.253663	0.106501	1.865926	1.967585	2.120715	2.009285	2.084417	1.51998	2.639009	2.649824	2.570068
DENND4A	ENSG00000174485	0.034529	4.811774	0.66661	0.513726	0.575869	-7.32754	4.735558	4.649014	4.621585	4.845887	4.871804	4.869675	4.606901	4.696781	4.592248	5.120474	5.174568	5.037335	5.060393	4.965115	5.082154	4.885721	4.864208	4.878182
ANKRD36C	ENSG00000174501	0.43645	1.073092	2.054035	0.055242	0.081358	-4.73106	1.430644	1.420874	1.202741	1.326771	1.164793	1.055701	1.074544	1.491012	1.445026	1.646779	2.095243	1.820066	2.385571	2.084417	2.795875	1.599785	2.124453	2.14716
SLC26A9	ENSG00000174502	-0.93306	0.508616	-2.3933	0.028163	0.044466	-3.77928	2.416107	2.125186	2.423483	2.063099	1.768674	2.029614	3.761137	3.160038	3.721038	0.934589	0.941811	0.726056	0.171976	0.345231	0.335616	0.738851	0.572487	0.805046
MFSD4A	ENSG00000174514	-0.04148	1.302008	-0.24531	0.809072	0.841508	-6.89779	1.235614	1.420874	1.30847	0.52061	0.828511	0.984419	1.160105	0.622068	0.735084	2.664903	2.946841	2.83599	2.88263	3.109775	2.906973	3.190769	3.138674	3.006111
PELI3	ENSG00000174516	-0.07515	3.470639	-0.5252	0.606041	0.662409	-7.11995	3.183753	3.057038	3.148134	3.70135	3.796595	3.510758	3.19904	2.916694	3.162566	3.882973	3.975599	4.029643	3.663745	3.622174	3.578659	4.254026	4.094656	4.101878
TMEM81	ENSG00000174529	0.383411	0.778982	2.091002	0.051424	0.076311	-4.48038	1.755904	1.849715	1.818408	1.791994	1.996426	1.993763	1.70672	1.430416	1.445026	1.028404	0.89579	1.126631	1.621093	1.16289	1.247156	1.387593	1.2488	1.222783
MRPL11	ENSG00000174547	-0.0838	5.514117	-1.57516	0.133147	0.177401	-6.4521	5.272612	5.300601	5.290713	5.082724	5.064996	4.951383	5.405414	5.368459	5.455304	5.700308	5.723056	5.880747	5.777742	5.842738	5.771595	6.058246	5.992618	5.911023
IL20RB	ENSG00000174564	-0.10728	3.489991	-1.52129	0.146072	0.192159	-6.39617	1.959273	2.232543	1.987129	1.578054	1.768674	1.669505	1.762502	1.710758	1.620777	5.595004	5.636504	5.516787	5.498724	5.503938	5.546053	5.996688	5.951743	6.095646
GOLT1A	ENSG00000174567	-0.25641	0.934188	-1.36285	0.190233	0.242221	-6.14305	0.587539	0.8079	1.028027	0.106501	0.730585	0.3528	0.269385	0.387194	0.39151	3.322191	3.591299	3.549937	3.409264	3.445301	3.272365	3.871719	3.903444	3.856822
AKIRIN1	ENSG00000174574	-0.40815	6.907039	-5.53872	3.27E-05	0.000111	1.5101	7.333406	7.265217	7.262288	6.578559	6.615263	6.673694	7.318414	7.29926	7.260567	6.825024	6.761374	6.902168	6.662488	6.67902	6.624528	6.850958	6.836657	6.804871
MSL2	ENSG00000174579	-0.72221	4.608733	-6.54116	4.39E-06	1.95E-05	3.902737	5.243701	5.253581	5.387386	4.236852	4.061165	4.096805	4.889651	4.905964	4.951444	4.71408	4.732663	4.773612	4.397206	4.412116	4.394205	4.466031	4.588743	4.567359
ZNF497	ENSG00000174586	-0.18461	1.275873	-1.48146	0.156288	0.204035	-5.63445	1.990546	2.039077	2.049454	1.578054	1.909591	1.575618	1.389995	1.430416	1.244857	1.98771	1.875739	2.198406	2.009285	1.921808	2.141451	1.65509	1.766644	1.626848
TRAM1L1	ENSG00000174599	1.011515	2.796718	13.77018	8.10E-11	2.85E-09	15.10864	2.165157	2.009193	1.78216	2.887595	2.549605	2.532704	1.966276	2.357042	2.239236	3.312899	3.406729	3.419749	4.334248	4.358622	4.394205	3.66498	3.620134	3.601852
ANGEL2	ENSG00000174606	-0.6091	5.244038	-5.57759	3.01E-05	0.000103	1.858592	6.625435	6.594292	6.554791	5.674404	5.651233	5.660525	5.95585	6.053109	5.81602	4.699893	4.570022	4.643544	4.527992	4.412116	4.516048	4.365992	4.460128	4.428245
UGT8	ENSG00000174607	0.072354	4.009709	1.202508	0.245205	0.303059	-6.71973	3.288121	3.461896	3.133821	3.487804	3.378481	3.632327	3.555458	3.302095	3.406029	4.667452	4.796672	4.890578	4.758606	4.824228	4.857757	4.865346	4.850589	4.836464
IQCK	ENSG00000174628	0.462481	3.204283	3.992962	0.000897	0.002058	-1.27037	3.454357	3.57841	3.39613	3.840029	3.656958	3.655458	2.779728	2.451551	2.530983	3.255856	3.365114	3.290894	3.918659	3.839509	3.760608	3.063688	3.256961	3.477085
SLCO2A1	ENSG00000174640	1.839476	-1.17929	10.96215	2.94E-09	4.40E-08	11.36397	0.106501	0.106501	0.106501	0.258133	0.25478	0.3528	0.106501	0.106501	0.106501	1.586365	1.467416	1.360915	2.649667	3.131201	2.497588	1.387593	1.442809	1.170016
ZNF266	ENSG00000174652	0.620632	3.779903	9.040461	5.27E-08	4.63E-07	8.495702	2.9807	2.802095	2.739267	3.290819	3.34578	3.168853	3.474265	3.40015	3.513908	4.182415	4.394983	4.224215	4.858933	4.89169	4.938437	4.710794	4.668528	4.61255
SLC29A2	ENSG00000174669	0.251962	4.1302	4.494994	0.000299	0.00078	-0.41837	3.385444	3.537122	3.28395	3.51817	3.602632	3.848471	3.457463	3.285084	3.498982	4.826087	4.839847	4.823505	5.150455	5.065909	4.964358	4.969919	5.018332	4.96205
BRSK2	ENSG00000174672	-0.10839	1.539768	-0.60492	0.553005	0.612763	-6.35873	3.551922	3.248262	3.443319	3.290819	3.546181	3.231764	3.238915	3.023117	3.498982	1.028404	1.265082	0.884879	0.828978	1.032323	0.957066	1.017342	1.16325	0.734116
B4GAT1	ENSG00000174684	1.144992	4.252347	8.503878	1.27E-07	9.61E-07	7.633283	3.756787	3.741788	4.065319	5.44865	5.48099	5.253794	4.920629	4.944392	4.849226	3.584041	3.539861	3.555853	4.203356	4.174819	4.139984	4.311095	4.005291	4.073428
TMEM167/	ENSG00000174695	-0.137	7.648172	-2.72541	0.014139	0.024042	-4.63686	7.373992	7.367396	7.290787	7.369595	7.364702	7.380469	7.708413	7.746419	7.698063	7.915756	7.893171	7.914775	7.629167	7.63251	7.637371	7.93883	7.936832	8.004153
SH3PXD2B	ENSG00000174705	0.155512	6.166824	1.079241	0.295149	0.356709	-7.15782	5.672757	5.827051	5.882858	6.512219	6.665816	6.551088	6.316513	6.254423	6.278331	6.199783	6.256684	6.307996	6.006965	5.887493	5.789427	6.350855	6.369673	6.251386
RESF1	ENSG00000174718	-0.65492	5.709193	-14.3839	4.01E-11	1.67E-09	15.63002	4.957532	4.999934	4.840087	4.181007	4.081169	4.178918	4.13321	4.324646	4.3476	7.422523	7.404278	7.333458	6.765506	6.78251	6.832732	6.970916	6.978806	6.976016
LARP7	ENSG00000174720	0.220428	5.701267	3.578125	0.002233	0.004633	-2.63736	5.655787	5.620197	5.615668	5.730596	5.671168	5.762585	5.643139	5.767957	5.748211	5.64954	5.688044	5.75397	5.891445	6.063583	6.073672	5.555628	5.639643	5.605504
FGFBP3	ENSG00000174721	0.304456	1.049977	1.552099	0.138557	0.183613	-5.48056	1.475543	1.508929	0.964748	2.021307	1.953662	1.475193	1.389995	1.605065	1.244857	1.787595	2.095243	1.933468	1.954519	1.993753	1.900186	1.214313	1.645686	1.58715
NR1D2	ENSG00000174738	-0.1085	5.284106	-0.83108	0.417139	0.482249	-7.2175	5.885257	5.963819	5.972044	5.612421	5.438974	5.525804	6.111626	6.082943	6.119063	4.796392	4.745694	4.811193	4.980412	4.982902	5.066284	4.519164	4.706825	4.531205
BRMS1	ENSG00000174744	-0.01829	6.236834	-0.30934	0.760721	0.800987	-7.72579	6.165988	6.132709	6.086081	5.90734	6.101599	5.850401	6.076295	6.065615	6.086983	6.421317	6.213955	6.465564	6.477404	6.44027	6.485255	6.596658	6.590575	6.456705
RPL15	ENSG00000174748	-0.09745	9.354974	-3.65632	0.001881	0.003985	-2.7646	9.827502	9.803484	9.778977	9.698564	9.67784	9.653514	9.74563	9.6902	9.715627	9.089774	9.022965	9.013678	8.9649	8.970313	8.985529	8.911201	8.919257	8.963103
FAM241A	ENSG00000174749	0.465176	4.188994	1.834551	0.083653	0.117653	-5.72769	4.232739	4.087546	4.07284	5.510375	5.458224	5.394483	4.293266	4.444399	4.305329	4.026306	3.953305	4.008229	3.617489	3.512154	3.644271	3.989359	4.298997	4.094818
HRAS	ENSG00000174775	0.225053	4.316456	1.749209	0.097793	0.13519	-5.83495	5.337898	5.201677	5.244837	5.325276	5.484749	5.265117	4.8959	5.043815	4.929347	3.275122	3.26005	3.353367	3.870167	3.552417	3.6725	3.883346	3.829005	3.823043
SRP72	ENSG00000174780	-0.20207	7.553162	-5.86335	1.68E-05	6.22E-05	2.130231	7.56917	7.558773	7.572606	7.25594	7.225589	7.393425	7.66608	7.676391	7.656631	7.615319	7.594555	7.594599	7.441537	7.454326	7.494956	7.754873	7.748653	7.826959
RIN1	ENSG00000174791	-0.49472	5.137248	-4.42937	0.000345	0.000884	-0.63643	5.45743	5.569905	5.602736	4.833866	5.024245	4.788301	5.502797	5.335791	5.308941	4.871097	4.967692	5.187779	4.720818	4.722029	4.6463	5.684156	5.593376	5.428683
THAP6	ENSG00000174796	-0.0333	4.380567	-0.35741	0.725068	0.76982	-7.36158	4.901049	4.696667	4.631806	4.299384	4.360275	4.473866	4.591583	4.68386	4.570996	4.290508	4.314187	4.201752	4.561973	4.492955	4.381435	4.213151	4.2788	4.177341
CEP135	ENSG00000174799	-0.59745	2.747989	-5.10646	8.07E-05	0.000245	1.344557	3.128595	3.196163	3.044832	2.791417	2.811499	3.086148	3.115825	3.415864	2.959482	3.145032	3.1855	3.00983	2.399306	2.398985	2.365487	3.011667	3.236163	2.975687
FZD4	ENSG00000174804	0.102523	3.505093	0.424567	0.676332	0.725268	-7.16538	2.27083	2.356396	2.194417	3.041869	2.633282	2.904994	4.068294	4.090149	4.216877	4.412971	4.394983	4.124247	4.211164	4.143531	4.14503	4.137495	4.128907	4.329449
BTC	ENSG00000174808	0.076836	1.928	0.314072	0.757184	0.798056	-6.97567	1.719036	1.420874	1.146821	2.48816	2.57804	2.258349	1.240874	1.082132	0.735084	3.013555	3.232543	3.093551	2.812503	2.824271	3.075009	3.236813	3.413359	3.215882
DENND6A	ENSG00000174839	-0.28713	5.142906	-6.50472	4.71E-06	2.07E-05	3.712095	5.560015	5.427474	5.449376	5.132645	5.075006	5.143594	5.120637	5.289629	5.165072	5.230663	5.283572	5.221665	5.003078	5.068687	5.020346	5.039116	4.996855	5.098903
PDE12	ENSG00000174840	-0.16729	6.108211	-3.21153	0.00498	0.009463	-3.47619	5.962204	5.994648	6.03501	5.790912	5.979012	5.842864	6.273964	6.212301	6.215804	6.28065	6.261228	6.38893	6.14584	6.0857	6.106375	6.313743	6.241181	6.20624
GLMN	ENSG00000174842	-0.20325	4.32592	-3.76233	0.00149	0.003225	-2.02994	4.066597	4.12982	4.050156	3.740513	3.709312	3.711713	3.891945	3.913244	3.935772	4.842324	5.000678	5.0331	4.823716	4.901075	4.79815	4.874113	4.99066	4.840691
YIF1A	ENSG00000174851	0.021474	6.463014	0.319577	0.753077	0.794112	-7.74962	6.409593	6.454368	6.47472	6.6194	6.727407	6.569471	6.259498	6.092752	6.236199	6.641427	6.551075	6.616123	6.469288	6.497074	6.505994	6.57352	6.557426	6.383273
NDUFA11	ENSG00000174886	-0.01806	2.039735	-0.17429	0.863638	0.88776	-6.79338	2.609804	2.425906	2.700947	2.518519	2.520598	2.374422	2.480375	2.728183	2.408535	2.14259	2.320972	2.228347	2.24051	2.190279	2.433049	2.095813	2.190809	2.003758
RSRC1	ENSG00000174891	0.529896	4.497353	3.692288	0.001738	0.003707	-2.10285	4.574623	4.574447	4.636889	5.697807	5.450555	5.562977	4.832157	5.093515	5.174497	4.076585	4.10258	3.982106	3.913883	4.179969	4.029733	4.137495	4.05364	4.136669
SLC66A1L	ENSG00000174899	0.240864	-1.28082	0.96802	0.34624	0.410491	-6.03982	0.318509	0.215206	0.219246	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.158593	1.435603	1.514616	1.897591	1.622273	1.667532	1.354562	1.707432	1.626848
RAB1B	ENSG00000174903	0.140595	7.497689	2.651774	0.016507	0.027581	-4.78532	6.812054	6.801367	6.857712	6.931482	7.070367	6.931113	7.199673	7.232061	7.171593	7.976233	7.904109	7.993438	8.110369	8.095267	8.047204	7.998181	8.001037	7.9828
PTDSS2	ENSG00000174915	-0.18287	4.820161	-2.23572	0.03868	0.059041	-5.12783	5.648453	5.499103	5.638658	5.502803	5.539998	5.363212	5.740105	5.7054	5.866318	4.35077	4.051023	4.37236	4.199436	3.871689	3.957004	4.289412	4.047684	4.190648
MICOS13	ENSG00000174917	0.152081	5.142027	1.896562	0.074539	0.106219	-5.90053	5.060589	4.965333	4.835673	4.746789	5.171467	4.894191	4.877071	5.013152	4.951444	5.362601	5.283572	5.478369	5.631211	5.576021	5.66674	5.448178	5.31213	5.044977
C3orf33	ENSG00000174928	0.316287	3.129659	3.062591	0.006878	0.01266	-3.15286	3.142584	3.114308	3.044832	3.533117	3.616407	3.700636	3.490873	3.761625	3.289427	2.943032	2.946841	3.312021	3.205461	3.193633	3.147195	3.190769	3.317614	3.328509
SEZ6L2	ENSG00000174938	0.323005	6.886131	2.235347	0.038709	0.059079	-5.4889	7.838273	7.846018	7.924035	7.603536	7.795405	7.635856	7.49654	7.40244	7.557465	5.733768	5.82019	5.864156	6.771459	6.72906	6.654027	5.86068	5.893164	5.793844
ASPHD1	ENSG00000174939	-0.38561	3.850495	-3.07525	0.006692	0.01235	-3.15698	5.440544	5.471972	5.587063	4.87551	5.171467	4.918297	5.452809	5.276779	5.420081	2.708071	2.792142	2.893183	2.862939	2.743101	2.795875	2.400938	2.585506	2.549558
KCTD13	ENSG00000174943	-1.07552	4.892455	-5.96816	1.36E-05	5.20E-05	2.69417	6.052028	6.037841	6.172636	4.375995	4.213935	4.447604	5.021241	4.670823	4.956916	4.983707	4.91387	5.109498	4.47385	4.54975	4.588211	4.762075	4.710599	4.973643
CD164L2	ENSG00000174950	0.328734	-1.79537	1.771297	0.093946	0.130532	-4.95291	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.423238	1.152172	1.49011	1.858352	1.357245	1.390007	1.214313	1.16325	1.58715
FUT1	ENSG00000174951	-0.16271	0.530321	-0.81485	0.426124	0.491161	-6.59549	0.216396	0.582935	0.829201	0.258133	0.389229	0.106501	0.269385	0.726566	0.39151	3.013555	3.241771	3.225594	3.318207	2.950162	3.126936	3.358427	3.356678	3.387478
DHX36	ENSG00000174953	0.105429	6.572202	2.810929	0.011797	0.02044	-4.38341	6.418244	6.293215	6.295057	6.33592	6.463496	6.518342	6.122326	6.166593	6.167064	6.914515	6.838665	6.844129	6.945373	6.950867	7.012575	6.716869	6.800812	6.781977
AC026271.	ENSG00000174977	0.036381	2.647923	0.30644	0.76289	0.802974	-6.90844	3.262728	2.784561	3.148134	3.020814	3.188693	2.885561	3.19904	3.285084	3.044176	2.510897	2.900983	2.627101	2.706013	2.913535	2.661487	2.539649	2.48331	2.549558
FBXW8	ENSG00000174989	0.632465	4.429059	10.52005	5.52E-09	7.37E-08	10.73116	4.044416	4.312206	3.995797	4.803367	4.594038	4.903882	3.904396	3.879643	4.032233	4.561593	4.595438	4.533928	5.158554	5.046305	5.220033	4.496632	4.455636	4.45054
KLC2	ENSG00000174996	-0.46691	6.075155	-5.65282	2.58E-05	8.99E-05	1.817709	6.025852	6.013586	6.126398	5.901593	5.943937	5.727543	5.847177	5.602735	5.776337	6.547499	6.480725	6.695303	5.964866	5.984858	5.87846	6.404287	6.424707	6.410539
CTBP2	ENSG00000175029	0.714609	6.599229	7.751291	4.66E-07	2.85E-06	5.964821	7.105111	7.107564	7.152098	7.722411	7.703215	7.694262	7.513911	7.473613	7.601801	5.133727	5.152722	5.109498	6.04678	5.95963	5.989218	6.150139	6.241181	6.27031
CHST2	ENSG00000175040	0.472898	1.792566	1.339341	0.197617	0.250237	-5.89542	1.235614	1.508929	0.898566	2.887595	3.112982	2.763128	1.867984	2.029503	2.165532	2.30136	2.355385	2.816411	1.973006	1.970168	2.294605	2.568742	2.465551	2.59029
ZDHHC14	ENSG00000175048	-0.19456	2.451932	-0.73369	0.472863	0.536267	-6.66991	2.021155	2.232543	2.221741	3.103249	2.85862	3.168853	2.102195	2.596487	2.616448	2.843296	3.086546	3.052298	2.270712	2.467968	2.121111	3.358427	3.394711	3.375875
ATR	ENSG00000175054	0.349156	5.358429	4.329537	0.000429	0.001071	-0.95876	4.996565	5.151261	5.041355	5.704425	5.557954	5.724812	4.812472	4.771967	4.825493	5.497899	5.671068	5.586355	5.7445	5.727893	5.808633	5.528118	5.440404	5.526375
SNHG29	ENSG00000175061	-0.10146	8.757753	-3.0473	0.007109	0.013041	-4.02267	9.595008	9.546092	9.531076	9.478794	9.491405	9.422321	9.554201	9.595708	9.574814	8.114346	8.05044	7.997791	7.894596	7.99219	7.944596	7.907146	8.006037	8.014479
UBE2C	ENSG00000175063	-2.40516	5.718404	-9.73955	1.76E-08	1.89E-07	9.479494	6.214805	6.297857	6.215741	5.046722	5.049849	4.969954	6.01446	5.978357	5.895106	6.761553	6.782077	6.862742	3.746669	3.799921	3.72061	6.785858	6.730057	6.759829
GK5	ENSG00000175066	-0.7768	4.274324	-9.8864	1.41E-08	1.58E-07	9.880331	5.269428	5.214829	5.3383	4.43289	4.507984	4.480358	4.651903	4.997573	4.88411	4.043261	4.223947	4.021115	3.422776	3.445301	3.445943	3.97856	4.083055	3.976887
VCPIP1	ENSG00000175073	0.041049	5.266998	0.589863	0.562831	0.622199	-7.46285	5.20423	5.144404	5.258094	4.910272	5.049849	5.033133	5.157514	5.063901	5.082376	5.483477	5.618907	5.416316	5.713225	5.690495	5.678967	5.286834	5.35134	5.359675
PDIK1L	ENSG00000175087	-0.46266	4.01837	-2.78683	0.012416	0.021417	-3.9937	3.672523	3.557914	3.707702	4.367681	3.901574	3.838399	3.941119	4.119235	4.093134	4.842324	4.732663	4.732417	3.899458	3.952144	3.78667	4.289412	4.195062	4.359215
TRAF6	ENSG00000175104	0.07725	3.39411	0.738645	0.469926	0.533319	-6.85561	3.991296	3.888531	3.979882	3.727576	3.832443	3.722706	4.011872	3.956862	3.935772	3.226465	2.980302	3.052298	3.360948	3.544454	3.299771	3.053433	3.093137	2.975687
ZNF654	ENSG00000175105	0.288768	3.681393	3.385931	0.003404	0.006727	-2.66345	3.27548	3.182839	3.204003	3.425084	3.278066	3.59692	3.904396	3.935218	3.543305	3.93235	4.008408	3.848714	4.106206	4.274468	4.261115	4.098126	4.313961	4.163911
TVP23C	ENSG00000175106	-0.25742	0.765926	-1.47161	0.158903	0.207049	-5.42133	1.642349	1.708084	1.954926	1.393812	1.612488	1.310092	1.917967	1.901414	2.005764	1.073118	1.467416	1.188864	1.27873	1.16289	1.209118	1.058946	1.289746	1.322858
MRPS22	ENSG00000175110	-0.50719	5.371784	-5.27333	5.67E-05	0.00018	1.12453	5.825812	5.79457	5.787794	4.892995	4.745876	5.050687	5.461262	5.356295	5.37174	5.530331	5.58849	5.605019	5.274879	5.352544	5.493616	5.31071	5.408227	5.494541
PACS1	ENSG00000175115	0.595813	6.567807	10.0303	1.13E-08	1.31E-07	9.736868	5.973987	6.041536	6.140783	6.318771	6.403191	6.458774	5.821145	5.771015	5.986227	6.793638	6.819534	6.828331	7.578002	7.542424	7.594214	6.833833	6.816659	6.800538
MARCKSL1	ENSG00000175130	0.511593	7.366115	5.981818	1.32E-05	5.07E-05	2.351243	5.552176	5.575013	5.522611	6.592896	6.50296	6.524637	5.736627	5.774066	5.825024	8.710213	8.719353	8.689914	8.988092	8.957626	8.961063	8.710246	8.763551	8.739735
SH3BP5L	ENSG00000175137	0.448401	5.586076	4.712692	0.000187	0.000513	-0.10773	5.437711	5.37864	5.483639	6.004384	6.041607	6.062107	6.081788	5.932665	6.031013	5.33073	5.427994	5.325738	5.736406	5.633455	5.547959	5.308556	5.232987	5.119922
TMEM51-/	ENSG00000175147	0.269086	0.487119	1.648172	0.117176	0.158583	-5.46004	0.41387	0.582935	0.598525	0.841981	0.512209	0.461789	0.548589	0.824004	0.256032	2.282443	2.338281	2.34226	2.614772	2.517623	2.497588	2.75746	2.881762	2.350536
YPEL2	ENSG00000175155	1.685168	0.467658	9.117598	4.66E-08	4.20E-07	8.840866	0.742531	0.661886	1.028027	1.457877	1.307481	1.123626	0.269385	0.622068	0.629397	1.52331	1.752042	1.538714	2.986372	3.077028	3.21594	1.542275	1.072305	0.999041
CADM2	ENSG00000175161	2.257294	1.713632	5.307307	5.28E-05	0.000169	2.074917	4.145127	4.281283	4.215584	6.615894	6.4692	6.646533	5.021241	5.112925	5.082376	0.415169	0.462741	0.54756	0.352262	0.416769	0.263213	0.393424	0.433238	0.497646
ABO	ENSG00000175164	1.334956	-0.27717	8.091499	2.57E-07	1.73E-06	7.113853	0.216396	0.106501	0.106501	0.106501	0.106501	0.3528	0.269385	0.106501	0.106501	2.790717	2.85362	2.855308	4.093589	4.039723	4.12984	2.731965	2.985098	2.944608
PSMD2	ENSG00000175166	-0.09133	8.088386	-1.98244	0.063375	0.092005	-6.05853	8.200707	8.199427	8.207262	8.250285	8.301498	8.27439	8.285256	8.213462	8.225771	8.090414	8.03028	8.049546	7.844019	7.773737	7.818421	7.982726	7.972242	7.970798
PPM1E	ENSG00000175175	0.760542	-0.38499	2.180603	0.043145	0.065132	-4.06206	1.602421	1.277811	1.256574	2.325974	2.193078	2.429135	1.648695	2.108984	1.962896	0.34397	0.398185	0.397516	0.294634	0.190544	0.335616	0.393424	0.504542	0.409347
FAM131A	ENSG00000175182	0.459348	3.556104	4.829498	0.000145	0.000411	0.415892	2.609804	2.730641	2.423483	3.591402	3.362223	3.472196	2.576877	3.023117	2.748518	4.299944	4.318554	4.32811	4.707079	4.537767	4.546874	4.530299	4.437531	4.341429
CSRP2	ENSG00000175183	-0.64702	2.64669	-6.93264	2.08E-06	1.03E-05	4.983834	2.589523	2.49222	2.661582	2.063099	2.333126	1.623325	2.667326	2.848856	2.560038	3.560679	3.524821	3.38694	3.013417	2.913535	2.895043	3.545669	3.644015	3.641153
PARL	ENSG00000175193	-0.29135	5.347076	-2.81578	0.011676	0.02026	-4.20255	5.665509	5.783578	5.605332	4.96641	4.939117	4.923071	5.109925	5.136826	5.092354	5.44146	5.540693	5.571831	5.582379	5.487419	5.578118	5.605616	5.474101	5.406045
DDIT3	ENSG00000175197	0.484765	3.812054	6.488239	4.86E-06	2.13E-05	4.037648	4.735558	4.644161	4.725456	5.268353	5.138434	5.195807	4.857993	4.976535	4.789145	2.943032	2.865607	2.660429	3.288992	3.131201	3.075009	2.75746	2.947209	2.960231
PCCA	ENSG00000175198	0.212926	3.409592	1.325465	0.202083	0.255188	-6.26149	3.887134	3.991467	3.897563	3.977507	3.6964	3.548316	3.928981	4.070428	4.261781	3.123934	2.865607	3.052298	3.520276	3.738425	3.478287	2.878584	3.104657	2.896697
DCTN2	ENSG00000175203	0.261682	6.666244	4.375297	0.000389	0.000981	-0.99258	7.026197	7.003411	6.988738	7.046631	7.043854	7.078519	6.734246	6.844973	6.923112	6.223531	6.254406	6.248057	6.743465	6.699783	6.656679	6.275652	6.200157	6.271876
ZNF408	ENSG00000175213	-0.52841	4.113966	-6.87338	2.32E-06	1.13E-05	4.615985	4.584905	4.517206	4.43574	3.714523	3.796595	3.807755	4.011872	3.988732	4.141991	4.438829	4.45572	4.530928	4.245787	3.958151	4.150058	4.357681	4.323851	4.122853
CTDSP2	ENSG00000175215	-0.2194	6.701395	-5.434	4.06E-05	0.000135	1.279106	6.177924	6.187107	6.162096	5.836811	5.785315	5.951983	6.124988	6.230187	6.222635	7.457202	7.423158	7.384627	7.253008	7.223201	7.310223	7.374641	7.370427	7.432517
CKAP5	ENSG00000175216	-0.5466	6.741396	-8.28633	1.84E-07	1.30E-06	6.879652	7.311903	7.358535	7.378378	7.016369	6.953141	7.074234	7.217247	7.236492	7.206466	6.67717	6.647957	6.534592	5.859507	5.900029	5.849389	6.448982	6.41433	6.527891
ARHGAP1	ENSG00000175220	0.70599	5.9028	7.924365	3.43E-07	2.21E-06	6.279077	4.500523	4.55906	4.671981	5.640298	5.821441	5.481188	5.616898	5.488491	5.570437	6.372958	6.335294	6.287699	6.851075	6.815972	6.824107	6.655474	6.627978	6.64731
MED16	ENSG00000175221	0.365193	4.874314	3.750638	0.001528	0.003298	-2.08747	5.125418	5.178369	5.325763	5.303647	5.454395	5.110498	5.223595	5.023446	5.121883	4.232554	4.228596	4.497508	4.980412	4.913495	4.917949	4.661004	4.787661	4.582581
ATG13	ENSG00000175224	0.525769	5.851362	10.32531	7.32E-09	9.16E-08	10.28067	5.912046	5.954048	5.790077	6.227533	6.327751	6.347775	5.760796	5.730749	5.636714	5.629096	5.525662	5.509184	6.149908	6.187642	6.130742	5.638576	5.686391	5.649533
GOLGA8A	ENSG00000175265	-0.05931	1.511501	-0.29131	0.774247	0.812585	-6.58503	2.744313	2.55562	3.133821	2.457149	2.520598	2.904994	2.607661	1.945386	2.643847	1.704765	1.616737	1.248523	1.621093	1.560439	1.580823	0.930351	1.16325	1.370407
TP53I11	ENSG00000175274	1.207328	3.568634	4.247011	0.000514	0.001258	-0.80444	3.999005	3.904854	3.889066	3.376187	3.546181	3.498018	2.806512	3.102941	2.959482	3.102524	3.034402	3.164958	5.123815	5.046305	4.96721	3.630901	3.829005	3.650813
CENPS	ENSG00000175279	-0.03638	0.609043	-0.15639	0.877517	0.899883	-6.45794	1.475543	1.226787	1.30847	1.74141	1.437317	1.367251	1.160105	1.945386	1.445026	1.646779	1.029669	1.305813	1.365252	1.203912	0.862212	1.512637	1.368306	1.273688
DOLK	ENSG00000175283	0.278874	5.749737	2.840249	0.011083	0.019334	-4.20175	5.487883	5.554468	5.607923	6.156917	6.254768	6.168443	5.83422	5.567996	5.741885	5.754507	5.592102	5.770599	5.685468	5.686883	5.689366	5.872395	5.775573	5.793844
CATSPER1	ENSG00000175294	0.403207	0.518402	2.505454	0.022379	0.036229	-4.31402	0.106501	0.106501	0.421314	0.106501	0.389229	0.2349	0.548589	0.253663	0.256032	3.805587	3.640966	3.804677	4.106206	4.122289	4.067427	4.142342	4.100421	4.029672
CCNE2	ENSG00000175305	-2.91968	4.664978	-13.8627	7.28E-11	2.62E-09	15.1971	5.233934	5.253581	5.27123	3.408969	3.643567	3.632327	4.339849	4.657666	4.534865	6.332149	6.213955	6.384782	2.738794	3.263212	3.206318	5.697389	5.777374	5.817625
PHYKPL	ENSG00000175309	0.136526	4.563976	1.399232	0.17924	0.229786	-6.49264	4.669462	4.463121	4.641955	4.667726	4.493129	4.622128	5.015513	4.855002	4.989319	4.529864	4.57733	4.437893	4.750591	4.660731	4.752597	4.365992	4.353122	4.428245
CST6	ENSG00000175315	1.663215	0.755023	17.16651	2.21E-12	2.01E-10	18.67537	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.779626	4.739193	4.855034	6.474163	6.481518	6.477276	5.761793	5.631703	5.40033
GRAMD2A	ENSG00000175318	0.640122	1.620027	2.446546	0.025261	0.040408	-4.43487	1.894617	1.978677	1.954926	0.395333	0.92021	0.657796	0.782422	0.509405	0.735084	3.165825	3.1855	3.353367	4.114557	4.250194	4.306856	3.001034	2.95995	2.960231
ZNF519	ENSG00000175322	-0.50693	1.262498	-2.25836	0.036973	0.056727	-4.30436	1.069823	1.327092	1.54317	1.791994	1.498102	1.526279	2.058296	1.809233	1.826075	2.163418	2.095243	2.07201	1.446877	1.393161	1.284217	2.611312	2.295039	2.760563
LSM1	ENSG00000175324	0.796187	5.222762	13.76951	8.11E-11	2.85E-09	14.99055	4.2778	4.249682	4.167214	5.097883	5.075006	5.063714	5.223595	5.344028	5.412136	5.109782	5.155166	5.204822	5.842013	5.968584	5.866291	5.942147	5.898138	5.882609
BANF1	ENSG00000175334	-0.36433	7.331201	-10.2374	8.34E-09	1.03E-07	10.00913	7.230743	7.159503	7.093216	6.745073	6.738471	6.795829	7.060574	7.023528	7.025612	7.899165	7.854973	7.90351	7.581018	7.553873	7.517989	7.627585	7.647436	7.675479
TMEM9B	ENSG00000175348	0.766569	5.317205	14.37683	4.04E-11	1.68E-09	15.69956	4.896929	4.897622	5.052811	5.749917	5.885412	5.799394	5.590171	5.488491	5.459165	4.980776	5.008809	4.943432	5.622454	5.668682	5.591116	5.299906	5.227729	5.230349
NRIP3	ENSG00000175352	-0.78146	2.65613	-6.89121	2.25E-06	1.10E-05	5.026938	4.369865	4.468622	4.288462	3.647423	3.546181	3.548316	4.245129	4.265167	4.252911	2.100009	1.777644	2.198406	1.667235	1.428204	1.722572	2.013561	1.90484	1.775544
PTPN2	ENSG00000175354	-0.43128	5.516417	-6.45981	5.14E-06	2.23E-05	3.535099	5.266237	5.297514	5.3383	4.456603	4.537243	4.874612	4.944941	5.27247	5.052019	6.233415	6.205726	6.257162	5.968325	5.850833	5.976538	6.102439	6.146831	6.146038
EIF1AD	ENSG00000175376	-0.2415	6.075024	-4.62615	0.000225	0.000606	-0.40731	5.474121	5.541478	5.455144	5.540275	5.462043	5.345543	5.35187	5.499594	5.504708	6.968031	6.825684	6.841104	6.575939	6.502222	6.520626	6.836826	6.760416	6.778676
SMAD2	ENSG00000175387	0.088293	6.548912	1.0057	0.328281	0.391666	-7.19412	7.706165	7.740271	7.661968	7.723226	7.635496	7.64021	8.000682	8.05315	8.035242	5.1881	5.27461	5.294235	5.448413	5.489494	5.627622	5.217339	5.279468	5.265357
EIF3F	ENSG00000175390	0.018247	7.041813	0.367778	0.717455	0.763057	-7.76851	7.349325	7.368867	7.409901	7.311179	7.267659	7.231619	7.43993	7.464198	7.507069	6.712931	6.627863	6.692621	6.799569	6.846248	6.801117	6.758499	6.732843	6.640054
ZNF25	ENSG00000175395	1.164861	1.3166	5.655487	2.57E-05	8.95E-05	2.741124	1.719036	2.125186	1.921989	3.181227	3.132285	3.152687	2.884002	2.938616	3.023464	0.982259	0.89579	0.807652	1.018891	1.2438	1.17005	1.214313	1.67689	1.58715
ARL10	ENSG00000175414	-0.07081	-0.66328	-0.24663	0.808069	0.84071	-6.5384	0.318509	0.106501	0.323815	0.106501	0.389229	0.2349	0.415731	0.509405	0.106501	1.940223	2.053933	1.839597	1.797417	1.993753	1.775589	1.926335	1.851139	1.81044
CLTB	ENSG00000175416	0.044452	5.905033	0.82859	0.418508	0.483636	-7.35748	5.893553	5.841962	5.922947	5.863665	6.064398	5.837817	6.151346	6.027768	6.150445	5.744175	5.669359	5.891313	5.909553	5.743628	5.811809	6.18696	6.033874	5.993056
PCSK1	ENSG00000175426	0.279927	-0.68895	1.292687	0.212948	0.267461	-5.45511	3.810347	3.750846	3.698006	4.281793	3.878897	3.97338	3.676552	3.335526	3.437684	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LPL	ENSG00000175445	-0.00517	0.076125	-0.01328	0.989556	0.991017	-6.22545	3.085796	2.819419	2.865896	3.142765	2.71237	2.845893	3.072345	3.102941	2.892531	0.34397	0.106501	0.499259	0.234608	0.416769	0.186984	0.457048	0.2791	0.315289
RFESD	ENSG00000175449	-0.22563	1.887383	-1.33782	0.198104	0.250831	-5.86617	2.744313	2.730641	2.830836	2.291228	2.299368	2.258349	2.637802	2.650616	2.697131	1.964162	2.095243	2.16783	2.178139	2.084417	2.257813	1.482378	1.766644	1.546329

CCDC14	ENSG00000175455	-0.48074	4.407115	-4.43763	0.000339	0.00087	-0.52422	4.538049	4.589672	4.715879	4.052041	3.643567	3.878271	4.358069	4.365678	4.549426	4.951137	5.003394	4.66833	4.38345	4.649638	4.695277	4.361843	4.534411	4.661156
SART1	ENSG00000175467	0.058884	6.393127	1.095896	0.287996	0.349219	-7.20499	5.533718	5.610278	5.533555	5.452586	5.492239	5.298562	5.679816	5.388507	5.504708	7.265819	7.206992	7.31046	7.44361	7.416651	7.415757	7.34394	7.336021	7.225887
PPP2R2D	ENSG00000175470	-0.08947	4.980636	-1.60072	0.127357	0.170708	-6.25967	5.49062	5.447111	5.417238	5.404628	5.279302	5.234723	5.535185	5.602735	5.584645	4.460029	4.5846	4.735026	4.595172	4.53375	4.591911	4.774615	4.645052	4.61255
MCTP1	ENSG00000175471	-2.18877	3.342808	-8.8668	6.99E-08	5.89E-07	8.438335	4.846543	4.751848	4.574673	3.290819	3.410458	3.349911	4.902122	4.917048	4.66091	3.695491	3.854512	3.608031	1.018891	1.203912	1.390007	3.630901	3.511821	3.744016
POLD4	ENSG00000175482	-0.09282	3.011271	-0.98957	0.335885	0.399762	-6.54798	3.774862	3.7235	3.544167	3.51817	3.616407	3.643939	3.137083	3.462004	3.373665	2.817246	2.85362	3.068941	2.872818	3.032175	2.647333	2.843302	2.784842	2.742606
DPP10	ENSG00000175497	1.492075	0.716923	5.904924	1.54E-05	5.79E-05	3.247767	5.608696	5.7433	5.799175	7.288236	7.129199	7.288212	6.426359	6.474844	6.517435	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CLCF1	ENSG00000175505	-0.47966	4.889558	-6.79702	2.69E-06	1.28E-05	4.327752	4.863535	4.687262	4.817878	4.416862	4.500575	4.447604	4.889651	4.759705	4.72003	5.22572	5.247382	5.354871	4.761267	4.79096	4.719156	5.633422	5.58723	5.507891
LIPT2	ENSG00000175536	-0.66163	0.542881	-3.10447	0.006282	0.011681	-2.51463	1.894617	1.849715	1.744977	1.256461	1.2379	1.840725	1.160105	1.658879	1.674905	1.490718	1.112482	1.387696	1.054048	0.938214	0.812339	1.354562	0.816175	0.999041
ALG10B	ENSG00000175548	-1.20238	4.158865	-11.4052	1.59E-09	2.71E-08	12.08711	4.522086	4.501192	4.441562	3.77864	3.329147	3.700636	4.544628	4.436718	4.475104	4.99537	4.866934	4.892917	3.501296	3.799921	3.578659	4.32395	4.508628	4.216898
DRAP1	ENSG00000175550	-0.38721	6.54631	-4.51224	0.000288	0.000754	-0.69193	6.593965	6.679772	6.71599	6.164136	6.152121	6.096318	6.197609	6.15961	6.208941	6.806109	6.758162	6.911425	6.550775	6.625295	6.50991	7.047191	7.06167	6.886862
LONRF3	ENSG00000175556	-0.40504	3.360997	-4.13035	0.000664	0.001573	-0.93357	3.65311	3.483793	3.419917	2.840308	3.093416	3.086148	3.866715	3.711575	3.528681	3.798946	3.66174	3.748962	3.442811	3.445301	3.445943	3.70484	3.431768	3.669942
UCP3	ENSG00000175564	-0.06251	0.056193	-0.28248	0.780896	0.817708	-6.52425	0.41387	0.875715	0.323815	0.635873	0.389229	0.657796	0.548589	0.622068	0.735084	2.078238	2.155072	1.562415	1.935792	1.793303	1.610309	1.85727	1.737342	1.504318
UCP2	ENSG00000175567	0.636534	4.429637	12.98704	2.07E-10	5.56E-09	14.03813	2.996191	3.114308	3.148134	3.633621	3.759832	3.666886	3.277716	2.871824	2.937508	5.526317	5.516188	5.528867	6.162044	6.194019	6.069697	5.680829	5.712977	5.689918
C11orf68	ENSG00000175573	-0.43114	5.300995	-3.01584	0.007608	0.01383	-3.8421	5.350006	5.375715	5.393406	4.263984	4.267295	4.256608	4.011872	3.619579	4.032233	6.272285	6.292645	6.412758	6.260335	6.181237	6.178277	5.975118	6.149614	5.97009
PAAF1	ENSG00000175575	-0.09573	4.920783	-1.50348	0.15057	0.197546	-6.48456	4.816318	4.609725	4.781616	4.359318	4.42432	4.379778	4.302704	4.444399	4.296723	5.402569	5.427994	5.503074	5.482686	5.476997	5.483693	5.461813	5.368165	5.475641
MRPL48	ENSG00000175581	-0.49625	5.000227	-4.8099	0.000152	0.000427	0.16728	4.620325	4.760843	4.840087	4.759555	4.782991	4.610338	4.772276	4.894793	4.940438	5.80343	5.65389	5.734542	4.959705	5.087991	4.894173	5.304237	5.258994	5.174518
RAB6A	ENSG00000175582	0.007464	7.1385	0.215929	0.831543	0.860304	-7.84203	6.89806	6.911487	6.923673	6.915886	6.950425	6.912032	7.043788	7.086247	7.050138	7.321898	7.322929	7.330873	7.289882	7.408996	7.279006	7.361192	7.391153	7.286788
P2RY2	ENSG00000175591	-0.35795	1.978261	-2.71078	0.014582	0.024719	-4.26715	0.742531	0.499412	0.598525	0.841981	0.92021	0.563119	0.548589	0.106501	0.39151	5.293423	5.270107	5.375087	4.948071	4.985845	4.882136	5.833967	5.631703	5.582975
FOSL1	ENSG00000175592	-2.09105	6.888991	-19.0123	4.05E-13	5.49E-11	20.31948	8.147073	8.007301	8.121008	5.506594	5.637789	5.619944	7.431351	7.181249	7.359944	7.53668	7.366815	7.632531	5.875564	5.720844	5.821296	7.124541	7.192932	6.995102
ERCC4	ENSG00000175595	0.382572	4.650342	3.946063	0.000995	0.002254	-1.56639	4.973272	4.872944	4.970641	5.142425	5.119213	5.280077	5.609312	5.546744	5.602211	3.950439	3.924944	3.937488	4.334248	4.521632	4.435973	4.147172	4.128907	4.347382
SUGCT	ENSG00000175600	0.100775	0.673142	0.533271	0.600562	0.657479	-6.46267	1.235614	1.374745	1.30847	0.742604	1.006428	0.830331	0.983587	1.082132	0.925731	1.732907	1.588084	1.585733	2.062048	1.793303	2.141451	1.833493	1.645686	1.942153
CCDC85B	ENSG00000175602	1.122571	4.635751	5.695821	2.36E-05	8.33E-05	2.123273	3.662849	4.087546	4.242513	5.245847	5.49597	4.884435	4.122591	3.879643	4.122646	3.825326	4.529155	4.932106	5.368624	5.556356	5.493616	5.531817	5.143675	4.488745
TMEM70	ENSG00000175606	-0.27465	5.66924	-4.51952	0.000284	0.000743	-0.53169	6.113688	6.083368	6.054137	5.851791	5.681033	5.596232	6.138227	6.143184	6.171778	5.483477	5.504735	5.507659	5.297059	5.263181	5.420597	5.515099	5.348921	5.408895
LINC00476	ENSG00000175611	0.31459	1.681934	2.482644	0.023456	0.037809	-4.09642	1.927307	2.179863	1.585853	2.021307	1.666451	1.757653	1.459147	1.605065	1.564539	2.30136	2.42184	2.328504	2.749557	2.743101	2.782986	2.055273	2.465551	2.252429
RPS6KB2	ENSG00000175634	0.190819	5.747467	3.191666	0.0052	0.009847	-3.50897	4.505944	4.624584	4.564038	5.05192	5.109506	4.899045	4.968851	4.802174	5.026224	6.573021	6.527689	6.660037	6.734689	6.615826	6.646042	6.944799	6.931076	6.877636
RMI2	ENSG00000175643	-0.70323	3.057545	-3.48219	0.002756	0.005589	-2.36876	2.568952	2.356396	2.018628	2.688367	2.881616	2.784269	2.340763	2.623806	2.471058	4.048869	4.051023	4.238998	3.173846	3.162755	3.157218	4.537676	4.744131	4.771534
TOM1L2	ENSG00000175662	0.365928	5.785464	2.361077	0.030068	0.047103	-5.19423	5.889411	5.831327	5.887131	5.510375	5.47722	5.334836	5.026946	5.053893	5.097318	5.880929	5.927012	5.835262	6.787216	6.706043	6.762242	5.933785	5.926002	5.782904
ZNF77	ENSG00000175691	0.049182	2.01732	0.515907	0.612384	0.668171	-6.73717	2.021155	1.947501	1.888281	2.21912	1.817192	1.757653	2.226405	2.147141	2.202855	2.635389	2.618839	2.522234	2.738794	2.517623	2.703134	2.913023	2.881762	2.668457
GPR156	ENSG00000175697	-0.77799	-0.00946	-3.09051	0.006475	0.012002	-2.47831	1.18244	1.118985	1.54317	0.934951	1.087782	0.563119	1.240874	1.001115	1.01237	1.239286	0.986408	1.061592	0.945898	0.550009	0.862212	1.482378	1.118494	0.872651
MTLN	ENSG00000175701	-0.38467	4.584479	-3.7558	0.001511	0.003267	-1.99594	5.167074	5.077581	5.325763	4.605448	4.733289	4.28655	5.157514	5.053893	5.092354	4.332495	4.23323	4.524909	4.283307	4.250194	4.25179	4.552316	4.442079	4.286716
KDF1	ENSG00000175707	-0.21597	0.867873	-2.26838	0.036239	0.055686	-5.05085	0.216396	0.215206	0.421314	0.258133	0.106501	0.106501	0.106501	0.106501	0.256032	5.063439	5.059262	5.185873	4.994054	4.834061	4.947129	5.041713	5.08382	4.973643
B3GNTL1	ENSG00000175711	-0.74825	4.108437	-8.22826	2.03E-07	1.42E-06	7.159761	4.949597	4.909804	4.89628	3.955484	3.956756	3.964146	4.591583	4.651042	4.570996	4.151473	4.117695	4.331562	3.746669	3.599295	3.81227	3.854102	3.743163	3.734962
MLXIP	ENSG00000175727	0.389807	7.231783	10.4336	6.25E-09	8.09E-08	10.31092	6.736823	6.757101	6.810127	7.141122	7.252302	7.282651	6.783948	6.787247	6.714435	7.450332	7.469059	7.428009	7.845587	7.729205	7.763707	7.487971	7.481735	7.434615
RWDD4P2	ENSG00000175741	-0.46451	2.117797	-2.77638	0.012694	0.021852	-3.44589	2.884092	2.513665	2.558197	2.425456	2.117603	2.258349	3.315502	3.178579	3.236418	2.47802	2.355385	2.228347	2.062048	1.846087	1.992654	2.192442	2.169028	2.119598
NR2F1	ENSG00000175745	0.387986	5.353274	2.432206	0.026014	0.041467	-5.01647	3.210562	3.298545	3.25779	4.707799	4.900234	4.751204	4.544628	4.341199	4.467457	6.574966	6.709941	6.707313	6.746155	6.600546	6.753184	6.631545	6.676065	6.481278
AURKAIP1	ENSG00000175756	-0.2598	6.558624	-2.81268	0.011753	0.020379	-4.3706	6.663528	6.651031	6.850072	6.13993	6.350594	6.140024	6.307166	6.119389	6.346621	6.634917	6.654018	6.959078	6.68088	6.756895	6.656679	6.909699	6.841829	6.680701
TTLL11	ENSG00000175764	0.19094	2.794191	1.84126	0.082622	0.116363	-5.43526	2.9807	3.222448	2.776595	2.791417	3.012388	2.980206	2.981245	2.481727	2.981126	2.943032	3.096753	2.902498	3.197622	3.320292	3.344321	3.001034	2.99751	2.928814
TOMM5	ENSG00000175768	-0.17764	0.642797	-0.83834	0.413158	0.478229	-6.17335	1.719036	1.118985	1.453818	1.104644	1.087782	0.830331	1.317361	1.658879	1.01237	1.239286	1.498542	1.696985	1.621093	1.495836	1.667532	1.571317	1.547811	1.416439
LINC01106	ENSG00000175772	-0.2706	1.475316	-1.94384	0.068194	0.098159	-5.12538	1.069823	1.708084	1.62731	0.934951	1.2379	1.623325	0.886508	1.001115	1.0941	2.881509	3.002186	2.806521	2.649667	2.627242	2.743612	2.692858	2.908298	2.896697
SLC35E3	ENSG00000175782	0.200052	4.373771	2.470767	0.024036	0.038652	-4.57616	5.075249	5.048491	4.990634	5.259393	5.013874	5.175948	5.431459	5.443204	5.392079	3.568508	3.486521	3.619375	3.735884	3.896925	3.945482	3.678389	3.793856	3.631427
ZNF169	ENSG00000175787	0.13679	1.638165	1.138646	0.270218	0.330333	-6.11046	1.927307	2.039077	1.78216	1.978268	1.718467	1.840725	1.816207	2.184314	1.962896	2.01088	2.193623	2.228347	2.452975	2.398985	2.200805	2.173627	1.981819	2.119598
RUVBL1	ENSG00000175792	-0.52644	7.241544	-6.01234	1.24E-05	4.80E-05	2.47265	7.514414	7.558128	7.462387	7.073718	6.92159	6.923987	7.776037	7.788521	7.783692	7.328253	7.291617	7.428412	6.776073	6.828323	6.90738	7.093596	7.044577	7.028832
SFN	ENSG00000175793	-1.28417	7.0853	-3.66626	0.00184	0.003909	-2.60875	8.140553	8.108984	8.140825	5.601826	5.938464	5.584228	5.771031	5.636658	5.70008	7.723153	7.570955	7.754898	7.294023	7.221953	7.184153	8.15628	8.170245	8.092756
MSRA	ENSG00000175806	-0.06036	0.919788	-0.30478	0.764133	0.803925	-6.38453	2.90065	2.819419	2.274882	2.48816	2.737798	2.741673	2.545421	2.916694	2.697131	0.7264	0.89579	0.884879	0.828978	0.837535	0.593579	0.837776	0.759002	0.659518
CTDNEP1	ENSG00000175826	0.121397	5.739739	1.711037	0.104763	0.143529	-6.23915	6.018285	6.024831	6.198653	6.333788	6.379154	6.250487	6.089987	6.065615	6.183495	5.281564	5.231258	5.36838	5.356354	5.22881	5.305888	5.629975	5.489561	5.40033
ETV4	ENSG00000175832	-1.6102	5.296658	-14.363	4.11E-11	1.69E-09	15.75027	6.555272	6.50744	6.527679	5.180897	5.292232	5.261353	6.648022	6.600482	6.562999	5.183009	5.167323	5.121514	3.141522	3.357127	3.253801	5.353134	5.246049	5.341895
SWI5	ENSG00000175854	0.092159	4.456345	1.673688	0.111993	0.152206	-6.01507	4.85081	4.830853	4.929803	5.05192	5.119213	5.00189	5.077304	5.178875	5.160337	3.938405	3.964495	3.977706	4.028794	3.884362	3.898452	4.21775	4.184245	4.197255
BAIAP2	ENSG00000175866	-0.34805	6.166962	-4.35408	0.000407	0.001021	-1.04008	5.32875	5.137514	5.169662	4.416862	4.42432	4.379778	4.536652	4.474723	4.534865	7.772285	7.713324	7.933924	7.671169	7.618355	7.598358	7.674345	7.640528	7.578849
HOXD8	ENSG00000175879	-0.33488	-0.71779	-1.85219	0.080965	0.114256	-4.67134	3.710582	3.888531	3.845818	3.70135	3.278066	3.432575	3.788265	3.868266	3.844255	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZDHHC21	ENSG00000175893	-0.46514	4.912245	-7.51141	7.15E-07	4.11E-06	5.674038	4.917414	4.885335	4.921495	4.384261	4.522687	4.434292	4.980658	4.80814	4.88411	5.497899	5.442072	5.429264	4.989521	5.034983	4.97856	5.02081	5.057388	5.12686
PLEKHF2	ENSG00000175895	0.367369	4.25645	7.691998	5.18E-07	3.12E-06	6.000689	2.90065	2.950996	2.916938	3.562554	3.278066	3.405543	2.957542	3.023117	2.869505	5.477252	5.570294	5.542338	5.757889	5.885918	5.924669	5.511357	5.51784	5.523749
ARL4D	ENSG00000175906	-1.12852	4.755083	-3.92291	0.001047	0.002353	-1.67029	4.798758	5.059469	4.89628	5.112883	5.26188	5.010886	4.695544	4.825892	5.057123	5.556156	5.508563	5.684119	3.416036	3.599295	3.533199	4.980783	4.805418	4.890466
DOK7	ENSG00000175920	-0.28138	2.046435	-1.43433	0.169128	0.218335	-6.26869	1.826927	1.670392	1.987129	0.52061	0.828511	0.657796	0.415731	0.622068	0.735084	4.217694	4.066685	4.472706	4.151547	4.15926	4.139984	4.805497	4.676269	4.577525
UBE2O	ENSG00000175931	-0.31744	6.8899	-4.54927	0.000266	0.000703	-0.64638	6.615439	6.485903	6.584036	6.420746	6.52138	6.453835	6.714937	6.399788	6.468472	7.421983	7.48663	7.381716	7.033884	6.932678	6.916998	7.512978	7.432877	7.468468
ORAI3	ENSG00000175938	0.865633	1.691844	5.851271	1.72E-05	6.36E-05	3.040882	2.369288	2.534795	2.514675	2.955742	2.762786	2.998412	1.867984	1.901414	1.962896	1.315703	1.725977	1.49011	2.51737	2.23054	2.416453	1.512637	1.645686	1.504318
UNC119B	ENSG00000175970	0.306356	6.263347	4.186411	0.000587	0.001412	-1.37457	5.849458	5.877545	5.757775	6.474	6.418997	6.328116	6.048517	6.187341	6.195117	6.293698	6.341745	6.280572	6.361153	6.412102	6.441838	6.616821	6.638913	6.56923
DENND2C	ENSG00000175984	-0.06938	2.001297	-0.41483	0.683316	0.73149	-6.79482	2.137484	2.125186	2.37563	2.605941	2.57804	2.845893	1.648695	1.710758	1.962896	2.777267	2.546219	2.671369	2.412911	2.269709	2.23906	2.368215	2.447571	2.442395
TUBB6	ENSG00000176014	0.226706	5.617574	1.967902	0.065153	0.094287	-5.78425	6.055729	6.178742	6.093496	6.112826	6.331931	6.16038	6.087259	6.124179	6.128792	4.667452	4.709571	4.925267	5.231389	5.131167	5.071593	5.689133	5.564469	5.43987
LYSMD3	ENSG00000176018	1.257012	5.353437	10.96413	2.93E-09	4.39E-08	11.32161	4.650007	4.569336	4.429894	6.314452	6.154483	6.233295	5.715585	5.962395	5.683673	4.77625	4.719513	4.69001	5.579365	5.558335	5.544145	5.398403	5.52857	5.562649
B3GALT6	ENSG00000176022	1.147216	4.837933	12.57527	3.45E-10	8.13E-09	13.57126	3.613482	3.829904	3.726899	5.117849	5.114368	5.159862	5.015513	5.117737	5.313214	4.222665	4.353024	4.592658	5.338642	5.308554	5.317108	5.814363	5.605589	5.557523
ZNF613	ENSG00000176024	0.547345	2.655032	5.354527	4.79E-05	0.000155	1.763028	1.927307	1.947501	1.78216	2.291228	2.520598	1.840725	2.412257	2.596487	2.560038	3.155466	3.373534	3.38694	3.773284	3.884362	3.86826	3.66498	3.644015	3.716682
JAKMIP2	ENSG00000176049	2.912637	0.072509	10.40615	6.51E-09	8.31E-08	10.6313	0.503316	0.106501	0.323815	1.978268	1.996426	1.799787	0.415731	0.253663	0.256032	1.352446	1.300837	1.277453	3.259174	3.193633	3.096004	1.250674	1.072305	1.370407
MBLAC2	ENSG00000176055	-0.64526	4.507207	-9.67816	1.93E-08	2.03E-07	9.482823	5.086148	5.303682	5.137743	4.576883	4.558804	4.506036	4.87074	4.459641	4.620106	4.755823	4.655361	4.654613	3.960951	4.225504	4.088533	4.298124	4.263465	4.299055
TPRN	ENSG00000176058	0.348992	4.615397	4.84212	0.000142	0.000401	0.311824	4.284124	4.299916	4.229112	4.654117	4.801196	4.67402	4.6445	4.59693	4.620106	4.789709	4.602618	4.895252	5.053895	5.029288	5.014844	4.736662	4.660745	4.577525
SLC35A4	ENSG00000176087	-0.16931	7.287415	-2.51229	0.022065	0.035778	-5.03279	7.07807	7.138089	7.239075	7.100306	7.177618	7.167696	7.461157	7.245314	7.327573	7.584279	7.53669	7.603908	7.315008	7.238706	7.231173	7.306648	7.316959	7.277465
CRYBG2	ENSG00000176092	-1.04591	3.157544	-10.8573	3.41E-09	5.01E-08	11.22318	2.051128	1.631689	1.744977	1.457877	1.864131	2.029614	1.317361	1.082132	1.620777	5.93946	5.942657	5.960958	4.989521	4.732581	4.775553	5.20581	5.146465	5.077574
IP6K1	ENSG00000176095	0.103558	5.971974	2.130255	0.047633	0.071157	-5.59479	5.768329	5.706529	5.600136	5.842822	6.002805	5.892383	6.23506	6.256606	6.273953	5.967858	5.931296	5.895985	5.974073	5.918631	5.918789	6.250061	6.218828	6.27031
SSNA1	ENSG00000176101	0.026338	6.012072	0.491204	0.629393	0.682953	-7.61164	6.169409	6.08516	6.113692	6.185579	6.397219	6.102644	6.01446	5.907876	6.041352	5.981118	5.938407	6.001619	5.990046	5.921708	5.901004	6.007353	5.972326	5.900939
CSTF3	ENSG00000176102	-0.66115	5.423558	-7.79875	4.28E-07	2.66E-06	6.128866	5.857962	5.822762	5.794633	5.428807	5.212855	5.291197	5.093706	5.028565	5.092354	5.832982	5.835508	5.879569	5.130006	5.141762	5.103047	5.526265	5.549795	5.635005
YES1	ENSG00000176105	-0.28347	6.730391	-3.80575	0.001354	0.002955	-2.26723	6.720595	6.707951	6.692989	6.248061	6.094235	6.096318	6.49383	6.598762	6.619295	7.087273	7.113327	7.089698	6.998227	7.034973	7.031089	6.880265	6.898355	6.999834
CHMP6	ENSG00000176108	-0.03597	4.728057	-0.3349	0.741686	0.78411	-7.48362	4.829349	4.809337	4.879222	4.171485	4.65537	4.210498	4.6145	4.519046	4.647437	4.832603	4.902278	5.030978	5.208167	5.05754	5.222422	4.865346	4.787661	4.874064
DLEU1	ENSG00000176124	0.185937	2.302645	1.533585	0.143034	0.188685	-5.75637	2.051128	2.308123	2.194417	2.291228	2.299368	2.675323	2.667326	2.801791	2.588518	2.620402	2.766797	2.615819	2.67247	2.671787	2.930541	2.554269	2.985098	2.778299
UFSP1	ENSG00000176125	0.25215	1.564017	1.700306	0.106798	0.146121	-5.39763	1.990546	2.009193	1.744977	2.063099	1.909591	1.840725	1.389995	1.367163	1.674905	1.91588	2.032826	2.409144	2.343563	2.48471	2.465679	2.400938	2.254246	1.877799
TMEM39A	ENSG00000176142	0.091143	5.197798	1.668627	0.113005	0.15342	-6.23752	5.030813	5.154678	5.025938	4.982834	4.966263	5.00189	5.347317	5.416115	5.408147	5.154683	4.992502	5.143288	5.240955	5.381888	5.303633	5.566486	5.564469	5.607985
TCP11L1	ENSG00000176148	-0.12431	2.818077	-0.93008	0.364999	0.429856	-6.59346	3.810347	3.61855	3.454879	3.21869	3.112982	3.136338	2.981245	2.568641	3.124172	2.881509	2.792142	2.83599	3.048706	2.938056	3.075009	2.417026	2.827179	2.549558
GPX2	ENSG00000176153	-0.063	2.694497	-0.13064	0.897549	0.916499	-6.96137	2.815895	3.248262	2.982302	4.316764	4.400635	4.34463	2.480375	2.324112	2.239236	3.024981	2.969234	2.855308	1.954519	1.591687	1.801384	3.281432	3.182818	3.202807
CCDC57	ENSG00000176155	-0.26597	5.484266	-5.10624	8.07E-05	0.000245	0.688229	4.981078	4.715296	4.904734	4.555081	4.758354	4.809079	4.496094	4.349405	4.467457	6.631184	6.517279	6.605467	6.352354	6.220499	6.26889	6.250061	6.303737	6.233818
SPHK1	ENSG00000176170	-0.88344	4.189215	-6.30413	6.97E-06	2.91E-05	3.415543	3.100204	3.169391	3.190238	3.237064	3.630051	3.247073	3.690999	3.89093	3.614278	5.58539	5.504735	5.626259	4.431031	4.412116	4.423569	5.529969	5.537098	5.335919
BNIP3	ENSG00000176171	0.077786	6.238466	0.768161	0.452646	0.516672	-7.355	7.360589	7.339898	7.336029	7.273847	7.207502	7.231619	7.617749	7.580306	7.578916	4.604112	4.86395	4.654613	5.136171	5.051933	5.012085	5.621323	5.663206	5.644707
MYPOP	ENSG00000176182	1.045124	2.579265	7.549979	6.67E-07	3.89E-06	6.180988	2.021155	1.81559	2.558197	3.408969	3.225109	3.051692	3.370387	2.825515	3.00245	2.37464	2.338281	2.497858	3.004458	3.203781	3.206318	3.083983	2.972579	2.863849
ATAD5	ENSG00000176208	-2.08969	3.384569	-10.6184	4.79E-09	6.57E-08	11.07503	4.059241	3.667203	3.955676	2.577385	2.686486	3.119801	3.719464	4.040332	3.783962	4.290508	4.369954	4.460144	2.044674	1.946191	2.257813	4.386563	4.216457	4.365096
SMIM19	ENSG00000176209	0.282043	4.484415	3.921813	0.001049	0.002358	-1.71937	4.212988	4.366251	4.050156	4.359318	4.186495	4.130213	3.976929	3.913244	4.08316	4.877414	4.80292	4.95243	5.148423	5.375169	5.321571	4.774615	4.699246	4.7174
ZNF404	ENSG00000176222	2.090662	0.016884	8.979488	5.82E-08	5.04E-07	8.604274	0.216396	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.387194	0.515351	2.763691	2.531245	2.569785	4.684821	4.569504	4.628397	3.298901	3.277464	3.432977
RTTN	ENSG00000176225	-1.04731	3.949472	-15.9039	7.80E-12	5.32E-10	17.40501	5.207561	5.185067	5.155563	4.161901	4.061165	4.10523	4.914487	4.849227	4.940438	3.744695	3.836353	3.70172	2.872818	2.850343	3.010124	3.545669	3.32748	3.581792
ANAPC2	ENSG00000176248	0.078436	5.808182	1.570817	0.134152	0.178589	-6.49652	5.795144	5.701866	5.922947	5.938549	6.00018	5.885062	5.919505	5.79224	5.782514	5.849142	5.884933	5.881925	5.967173	5.841114	5.88752	5.655626	5.623718	5.694596
ZBTB8OS	ENSG00000176261	0.350798	4.71174	4.483308	0.000307	0.000798	-0.47067	4.473109	4.395423	4.363979	5.0571	4.917027	5.028711	4.716879	4.917048	4.956916	4.652797	4.675929	4.793777	4.792829	4.882244	4.935528	4.868275	4.668528	4.731125
SLC35G1	ENSG00000176273	0.130594	0.163911	0.815037	0.426018	0.491097	-5.98015	5.240453	5.188404	5.214556	5.464331	5.309293	5.272617	5.624444	5.676339	5.489686	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZNF135	ENSG00000176293	-0.14222	0.172821	-1.15847	0.262258	0.32204	-6.51909	0.318509	0.316291	0.106501	0.258133	0.25478	0.106501	0.106501	0.106501	0.106501	3.914031	3.970058	3.946523	3.773284	3.915568	3.747398	3.717885	3.800954	3.779675
COX8A	ENSG00000176340	-0.15775	6.151748	-3.32893	0.003855	0.007539	-3.23374	6.084999	6.081574	6.093496	6.147234	6.108926	6.0137	6.111626	6.082943	6.178819	6.351563	6.371473	6.376449	6.09294	6.071917	6.106375	6.363362	6.218828	6.251386
ZSCAN2	ENSG00000176371	1.093184	3.074032	11.14565	2.28E-09	3.57E-08	11.75428	2.245129	2.332462	2.300736	2.81607	2.904251	2.763128	2.340763	2.777669	1.962896	3.751589	3.695711	3.685623	4.853955	4.897954	4.801349	3.651445	3.651889	3.498643
B3GNT4	ENSG00000176383	0.712353	-0.08708	3.232425	0.004758	0.009097	-2.26876	0.41387	0.410755	0.756332	1.022291	0.512209	0.461789	0.782422	0.726566	0.515351	1.352446	1.265082	1.061592	1.99126	1.652223	1.488568	1.734264	1.478665	1.775544
CDC26	ENSG00000176386	0.126915	4.645391	2.117359	0.04885	0.072862	-5.43548	4.399293	4.435299	4.109872	4.3081	4.392653	4.308605	4.225415	4.256466	4.534865	4.905504	5.003394	5.022459	5.073302	5.231292	5.166452	5.180117	5.057388	5.09537
HSD11B2	ENSG00000176387	-0.37555	1.426058	-1.89229	0.075137	0.106975	-5.16798	1.927307	1.744817	1.987129	0.934951	0.92021	0.746642	1.240874	1.301009	1.01237	2.620402	2.877496	2.893183	2.88263	2.837366	2.730245	2.384669	2.030948	2.610232
CRLF3	ENSG00000176390	-0.15585	4.616947	-1.35815	0.191689	0.243749	-6.55463	4.721647	4.881217	4.676925	3.944346	4.318753	4.323123	4.889651	5.132077	4.940438	4.641707	4.651904	4.583999	4.787617	4.794321	4.62479	4.755763	4.691628	4.836464
RNPEP	ENSG00000176393	-0.2347	6.979271	-3.79958	0.001372	0.002992	-2.26361	8.090015	8.126053	8.046561	7.71833	7.697557	7.604256	7.559894	7.635034	7.546619	6.319445	6.280384	6.24897	6.242349	6.1991	6.341015	6.056963	6.121538	6.039759
EID2	ENSG00000176396	0.740289	3.643027	7.392974	8.86E-07	4.94E-06	5.690952	2.933205	2.693541	3.029452	3.633621	3.967543	3.888069	3.891945	3.879643	3.586306	3.637124	3.612795	3.905414	4.218931	4.298341	4.293286	4.127753	4.07722	4.087723
DMRTA1	ENSG00000176399	0.25334	1.102252	1.946138	0.067898	0.097802	-5.02454	1.286899	1.118985	1.146821	1.022291	0.828511	0.984419	1.160105	0.915275	0.833554	2.163418	2.500824	2.409144	2.614772	2.797719	2.795875	2.417026	2.295039	2.397196
EID2B	ENSG00000176401	-0.33974	0.787682	-1.58684	0.130475	0.174347	-5.39023	1.719036	1.226787	1.028027	1.182548	1.087782	1.575618	1.160105	1.491012	0.925731	1.840286	2.267764	1.915176	1.336984	1.970168	1.722572	1.512637	1.513652	1.322858
KCMF1	ENSG00000176407	-0.48172	6.599691	-6.81073	2.62E-06	1.25E-05	4.146063	7.259912	7.203053	7.178485	6.48365	6.395223	6.590627	7.17676	7.111797	7.175119	6.366236	6.344959	6.342628	6.080206	6.095271	6.157205	6.339294	6.43044	6.351044
DNAJC30	ENSG00000176410	0.113968	4.164662	1.329826	0.200671	0.253742	-6.52759	4.327631	4.383825	4.332993	4.254996	4.384626	4.121933	4.13321	3.685883	4.17992	4.177304	4.112675	4.405499	4.489986	4.484656	4.480563	4.293774	4.11758	4.066226
SPRYD4	ENSG00000176422	-0.2678	4.451213	-3.72852	0.001605	0.003449	-2.13943	4.416666	4.522504	4.370098	4.132759	3.747367	3.858473	3.80164	3.999201	3.957772	5.077225	5.196089	5.240153	5.109264	4.988782	5.012085	4.700972	4.668528	4.59264
VPS37D	ENSG00000176428	0.132466	0.532576	0.481481	0.636148	0.688951	-6.3029	1.561356	1.277811	1.088647	1.978268	1.666451	1.623325	1.917967	1.901414	1.171446	1.278001	0.941811	1.061592	0.828978	1.077171	0.760679	1.571317	1.289746	1.222783
CLK2	ENSG00000176444	0.247501	5.692651	3.714534	0.001655	0.003545	-2.34877	5.313374	5.343146	5.525355	5.72735	5.713437	5.904501	5.586312	5.458458	5.474506	5.93795	6.003595	5.77441	6.064129	5.94458	6.093383	5.629975	5.659306	5.834677
LPCAT4	ENSG00000176454	-0.96667	5.552553	-6.75945	2.89E-06	1.36E-05	4.142538	6.1847	6.146502	6.296664	4.540361	4.668652	4.407292	5.257962	5.224202	5.117003	6.23095	6.056844	6.205413	5.714599	5.629696	5.654408	5.750728	5.722354	5.754064
SLCO3A1	ENSG00000176463	0.296781	4.177316	3.967036	0.00095	0.002165	-1.69834	2.483604	2.448351	2.300736	3.20008	3.012388	3.231764	2.545421	2.596487	2.127218	5.884069	5.855181	6.000535	6.126359	6.077446	6.179507	6.033676	5.886506	5.811178
WDR25	ENSG00000176473	0.435097	3.986285	4.585326	0.000246	0.000656	-0.0512	4.500523	4.366251	4.288462	4.845887	4.70778	4.854763	4.528631	4.316298	4.620106	3.42926	3.5985	3.728156	4.015478	3.976023	3.951255	3.094024	3.307681	3.398988
SGF29	ENSG00000176476	-0.88533	4.220921	-10.8175	3.60E-09	5.25E-08	11.25993	5.197545	5.116644	5.204319	4.082842	4.071202	4.018682	4.622059	4.630987	4.674259	4.332495	4.228596	4.317702	3.768	3.614588	3.734067	4.042177	3.929587	3.87342
PLAAT3	ENSG00000176485	2.89018	3.249534	15.21507	1.61E-11	8.76E-10	16.58629	1.384302	1.277811	1.088647	4.161901	4.360275	4.121933	4.068294	3.924273	3.957772	2.510897	2.687979	2.409144	4.808355	4.756906	4.752597	4.147172	4.029668	4.359215
DIRAS1	ENSG00000176490	1.758255	1.437229	8.7629	8.28E-08	6.75E-07	8.289414	1.235614	0.940485	0.829201	2.518519	2.490996	2.402038	0.670238	1.430416	1.38134	1.964162	1.725977	1.839597	3.360948	2.974074	2.965187	2.334732	2.190809	2.610232
PHLDB3	ENSG00000176531	0.404982	3.039612	3.832457	0.001277	0.002806	-1.5462	3.128595	2.9974	2.900124	3.472378	3.656958	3.27721	2.858632	2.728183	3.199964	3.0698	3.055486	3.519989	3.623353	3.453829	3.533199	3.290193	3.104657	2.975687
USF3	ENSG00000176542	0.187096	3.869696	1.876332	0.07741	0.10986	-5.68162	3.183753	3.537122	3.707702	3.456785	3.616407	3.75519	3.80164	3.956862	3.628063	4.261822	4.447768	4.213027	4.369563	4.561635	4.543056	4.254026	4.065478	4.136669
AC008969.	ENSG00000176593	0.049602	0.152085	0.375626	0.711715	0.758264	-7.05594	0.216396	0.215206	0.421314	0.106501	0.25478	0.106501	0.106501	0.106501	0.256032	3.622156	3.786782	3.674791	3.884887	3.745389	3.799527	3.341669	3.529023	3.611778
KBTBD11	ENSG00000176595	0.384741	-0.74643	1.158229	0.262353	0.322128	-5.59735	3.541402	3.39414	3.62825	3.714523	3.988879	4.036412	2.957542	3.160038	3.044176	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.214669
B3GNT5	ENSG00000176597	-0.71297	6.047525	-7.7248	4.88E-07	2.96E-06	5.933838	6.518198	6.562493	6.52494	5.622938	5.305047	5.408166	6.29303	6.232407	6.354934	6.124772	6.162652	6.161471	5.745844	5.80324	5.726866	6.257897	6.208188	6.259301
LMNB2	ENSG00000176619	-0.83814	7.274802	-12.2735	5.06E-10	1.10E-08	12.93432	7.240532	7.325571	7.447998	6.614138	6.695318	6.647975	7.268717	7.362455	7.247231	7.670471	7.701668	7.900317	6.854818	6.820925	6.775317	7.973917	7.859897	7.720324
RMDN1	ENSG00000176623	-0.19379	5.625127	-1.47385	0.158304	0.206363	-6.60886	5.741006	5.814146	5.738987	5.067404	5.14795	4.927828	5.719113	5.798247	5.673738	5.710958	5.880509	5.789551	5.896296	6.011098	5.989218	5.64883	5.605589	5.642288
MEX3C	ENSG00000176624	0.254274	5.272431	3.29107	0.004187	0.00811	-3.17934	5.601118	5.647129	5.70066	5.704425	5.547207	5.677574	5.188389	5.228657	5.455304	4.908591	5.051412	4.976888	5.52402	5.393017	5.430962	4.847651	4.952919	4.771534
MYO1D	ENSG00000176658	1.30316	4.749068	16.09734	6.40E-12	4.51E-10	17.57412	2.917019	3.155816	2.966237	3.408969	3.656958	3.666886	3.690999	3.646467	3.614278	5.362601	5.579421	5.437298	6.92534	6.886177	6.809086	6.421335	6.450892	6.431707
FOXL1	ENSG00000176678	-1.14349	-0.02639	-5.08652	8.41E-05	0.000254	1.652616	5.049495	4.856254	4.942176	4.009923	3.656958	3.954853	4.80585	4.741115	4.592248	0.190076	0.185134	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
BDNF	ENSG00000176697	0.827506	5.90537	5.180501	6.90E-05	0.000213	1.000515	6.927647	7.006251	6.934035	8.067942	7.963795	8.0533	7.798726	7.743309	7.765877	4.391063	4.23323	4.466439	4.645023	4.488812	4.621173	3.871719	4.017531	4.087723
SCAND2P	ENSG00000176700	0.213791	2.284233	1.64084	0.118702	0.160482	-5.63635	2.296082	2.09705	2.221741	2.143217	2.117603	2.317553	1.966276	2.702788	2.643847	2.664903	3.013005	2.592986	2.977243	2.962168	3.096004	2.706012	2.770449	2.990979
CCDC121	ENSG00000176714	0.228009	2.090365	1.411553	0.175636	0.225734	-5.81631	2.589523	2.935191	2.5366	2.548252	2.520598	2.581827	3.004565	2.894433	2.616448	1.98771	2.053933	2.004401	2.504718	2.381211	2.513282	1.809319	2.054898	1.942153
ACSF3	ENSG00000176715	-0.31001	4.96788	-4.38298	0.000382	0.000967	-0.75705	5.272612	5.234335	5.325763	4.612502	4.770725	4.884435	4.883375	4.651042	4.934903	5.250266	5.21963	5.304813	5.184566	5.01783	5.100452	4.925625	4.971913	4.731125
BOK	ENSG00000176720	0.741356	5.628537	9.262257	3.70E-08	3.46E-07	8.596202	4.945613	4.945746	5.049003	5.294904	5.469652	5.223158	4.83866	4.796183	4.895553	5.874627	5.945483	6.030584	6.95296	6.824217	6.870539	5.996688	6.084202	5.872323
RBIS	ENSG00000176731	-0.26543	5.720194	-3.71882	0.001639	0.003515	-2.34402	5.864307	5.765816	5.830573	5.350809	5.230876	5.227023	5.515028	5.427787	5.455304	6.189666	6.018435	6.032707	5.996837	5.965605	6.069697	5.779011	5.821673	5.936917
CDK5R1	ENSG00000176749	-1.10986	3.820639	-11.2771	1.90E-09	3.08E-08	11.93913	4.12413	4.12982	4.453135	2.91067	2.926537	2.961768	3.841036	3.773871	3.946814	4.430262	4.439772	4.405499	3.53901	3.629721	3.462206	4.637167	4.584635	4.572451
NCKAP5	ENSG00000176771	0.697455	0.057567	3.346965	0.003706	0.007268	-1.92433	4.996565	4.682536	4.840087	5.5623	5.462043	5.617001	5.248226	5.048863	5.165072	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RUFY1	ENSG00000176783	0.221429	6.358482	4.53956	0.000272	0.000716	-0.60323	6.443889	6.429199	6.392951	6.458425	6.525036	6.583107	6.408987	6.333079	6.379591	6.088476	6.161437	6.119148	6.483864	6.43274	6.410754	6.353992	6.412014	6.362847
BASP1	ENSG00000176788	0.397046	8.196346	4.353615	0.000407	0.001022	-1.11235	9.178679	9.23662	9.252197	9.851167	9.807892	9.807459	9.814666	9.753792	9.867707	6.648832	6.765378	6.872848	6.86599	6.941801	6.841306	6.79435	6.787472	6.58695
LRRC37A3	ENSG00000176809	0.897506	1.390055	4.275547	0.000483	0.00119	-0.14513	1.959273	2.206444	2.351095	3.425084	3.012388	3.306732	2.576877	2.324112	2.616448	1.116489	1.228418	1.46518	1.597456	1.203912	1.355599	1.017342	1.16325	1.170016
VSIG10	ENSG00000176834	0.571351	3.342753	4.689978	0.000196	0.000536	0.408457	4.375799	4.204245	4.050156	4.971905	4.86605	4.884435	4.293266	4.307901	4.475104	2.30136	2.469748	2.355887	2.491955	2.671787	2.604018	2.719047	2.634012	2.687355
IRX5	ENSG00000176842	-0.13882	2.280026	-0.72688	0.476926	0.540574	-6.73355	2.080492	1.780637	2.018628	2.325974	2.737798	2.675323	1.867984	2.290412	1.445026	2.943032	3.250939	3.38694	2.694919	2.837366	2.846311	3.245848	3.182818	2.880366
METRNL	ENSG00000176845	0.852461	4.873326	8.146156	2.34E-07	1.60E-06	6.835796	4.42241	4.619648	4.691656	5.28169	5.162106	4.965334	4.772276	4.504423	5.052019	4.485065	4.45175	4.77868	5.669971	5.591562	5.495593	5.069967	4.981317	4.656368
FAM91A1	ENSG00000176853	-0.12169	7.507038	-3.34325	0.003736	0.00732	-3.34948	6.989904	6.917533	6.915329	6.910172	6.910452	6.934663	7.018237	6.952582	6.907654	8.221577	8.246247	8.163382	7.997793	8.025825	8.024112	8.037409	8.073906	8.038595
WSB2	ENSG00000176871	0.038132	6.513366	0.618447	0.544257	0.604606	-7.53931	7.490686	7.415182	7.448721	7.658245	7.603866	7.593816	7.390997	7.392547	7.347499	5.64954	5.54629	5.652722	5.514586	5.412836	5.538404	5.655626	5.64557	5.644707

GRIN1	ENSG00000176884	0.954462	0.052252	7.524283	6.99E-07	4.03E-06	5.980105	0.318509	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	3.437834	3.494263	3.625013	4.407437	4.588991	4.41524	4.083081	4.211138	3.95366
TYMS	ENSG00000176890	-1.44857	5.60883	-5.09922	8.19E-05	0.000248	0.863601	6.853042	6.874671	6.801098	6.250324	6.159196	6.315464	6.773805	6.83039	6.779187	5.74935	5.662504	5.584909	3.048706	3.065945	2.930541	5.338427	5.408227	5.470195
TCEANC	ENSG00000176896	0.329264	1.432077	1.438549	0.167945	0.217083	-5.59571	2.245129	2.448351	2.018628	1.978268	1.909591	2.429135	2.186178	2.568641	2.798137	1.239286	1.369793	1.439812	1.897591	1.681564	2.18129	1.419885	1.547811	1.370407
PNMA1	ENSG00000176903	0.708875	7.569059	8.704437	9.12E-08	7.31E-07	7.563067	8.296097	8.332836	8.309093	9.318188	9.28104	9.243777	8.648901	8.602657	8.646442	6.262665	6.205726	6.317603	6.671713	6.592845	6.624528	6.426311	6.352866	6.302841
TCIM	ENSG00000176907	-0.52466	5.123357	-4.56182	0.000259	0.000686	-0.39398	4.780982	4.653851	4.595711	4.845887	4.795153	4.735009	4.950956	4.955186	4.91817	5.873048	5.95112	5.84254	4.964332	5.13912	5.028559	5.59328	5.711094	5.680517
TYMSOS	ENSG00000176912	-1.36176	0.78846	-3.78672	0.001412	0.003067	-1.08762	2.19231	2.308123	2.600444	2.063099	1.718467	2.064596	2.058296	1.988058	1.674905	1.586365	1.228418	1.933468	0.701742	0.416769	0.335616	1.512637	1.118494	1.115245
ANKLE2	ENSG00000176915	-0.48973	7.084937	-7.70107	5.09E-07	3.08E-06	5.777	7.529131	7.440595	7.457367	6.706036	6.787998	6.744168	7.228432	7.2508	7.147867	7.155787	7.083486	7.170959	6.875848	6.819276	6.897697	7.176851	7.155346	7.101079
FUT2	ENSG00000176920	0.388652	-0.2936	3.209982	0.004997	0.009491	-2.83072	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	3.560679	3.486521	3.685623	4.046359	3.903166	3.843644	3.290193	3.347011	3.421736
TOB2P1	ENSG00000176933	0.215483	0.483334	1.172023	0.256916	0.31619	-5.75096	1.235614	1.420874	1.406977	1.74141	1.556428	1.526279	1.648695	1.491012	1.674905	0.781331	1.335727	1.188864	0.982856	1.203912	1.129895	1.177011	1.024588	0.93723
MUC20	ENSG00000176945	0.761169	1.414583	5.815409	1.85E-05	6.74E-05	2.44824	0.106501	0.215206	0.323815	0.258133	0.512209	0.746642	0.670238	0.106501	0.39151	5.063439	4.878812	5.107486	5.789524	5.653954	5.709941	4.77149	4.721863	4.950363
THAP4	ENSG00000176946	-0.30822	6.550743	-5.03992	9.29E-05	0.000277	0.464385	6.786668	6.754852	6.823565	6.204376	6.389218	6.261836	6.604805	6.472967	6.439449	6.683492	6.553856	6.736255	6.528294	6.563594	6.460172	6.679846	6.653693	6.603212
NFATC2IP	ENSG00000176953	0.161619	5.531508	2.745392	0.013554	0.023154	-4.36743	5.227386	5.211553	5.22134	5.640298	5.375591	5.688828	5.502797	5.557409	5.530627	5.651384	5.645223	5.624853	5.622454	5.690495	5.673739	5.829467	5.694037	5.758539
FAM89B	ENSG00000176973	0.392396	1.328488	1.931226	0.069838	0.100262	-5.07609	0.742531	1.002471	0.829201	1.688986	2.03796	1.880533	0.983587	1.001115	1.01237	2.47802	2.687979	2.510098	2.55467	2.533802	2.604018	2.878584	2.665466	2.48622
SHMT1	ENSG00000176974	-0.3512	5.568695	-2.94138	0.008929	0.015954	-3.98868	5.590951	5.634949	5.661287	4.674482	4.825118	4.72957	5.360933	5.439365	5.375831	6.140615	5.994071	6.079658	6.109746	6.02833	5.972286	5.753898	5.709209	5.745073
DPP7	ENSG00000176978	0.484879	7.185734	7.980734	3.11E-07	2.03E-06	6.278326	7.238905	7.270738	7.403949	7.698579	7.879202	7.711609	7.261476	7.133342	7.291214	6.634917	6.66349	6.824661	7.249694	7.221329	7.176165	6.938544	7.008238	6.926174
SEC24C	ENSG00000176986	0.260722	7.801799	4.74612	0.000174	0.000483	-0.27104	7.719059	7.740271	7.741403	8.189671	8.04752	8.152664	8.221379	8.161396	8.157312	7.516585	7.561314	7.531454	7.692592	7.609795	7.687512	7.621957	7.62761	7.575049
FMR1NB	ENSG00000176988	0.279244	1.268777	3.95118	0.000984	0.002232	-1.73822	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.256032	6.344741	6.403688	6.419263	6.67454	6.636576	6.634428	6.318033	6.358891	6.316562
SMCR8	ENSG00000176994	-0.37555	6.76154	-7.58126	6.31E-07	3.70E-06	5.592104	7.379909	7.327842	7.322684	6.847279	6.844685	6.856972	7.188262	7.130964	7.180976	6.595228	6.61105	6.581019	6.408614	6.251401	6.354146	6.426311	6.351658	6.304372
HCG4	ENSG00000176998	-0.37174	-0.26945	-2.55475	0.020209	0.033083	-4.0536	0.216396	0.215206	0.106501	0.106501	0.25478	0.106501	0.106501	0.253663	0.106501	3.047564	3.348126	3.373604	2.930712	2.950162	2.870883	3.307556	3.413359	3.455199
MTHFR	ENSG00000177000	0.309451	4.795808	2.420313	0.026654	0.042384	-4.94635	4.473109	4.342481	4.44736	4.290615	3.945887	4.315882	4.31208	4.184903	4.22597	5.481405	5.52755	5.342946	6.000221	5.958132	5.977952	4.829736	4.81246	4.898598
DEAF1	ENSG00000177030	0.783875	4.637583	13.55383	1.04E-10	3.37E-09	14.80416	4.569455	4.533044	4.537101	5.241304	5.510796	5.438487	5.125963	5.002785	4.951444	4.092963	4.087306	4.083875	4.742532	4.824228	4.663983	4.365992	4.395944	4.416967
MTX3	ENSG00000177034	-0.69872	6.321498	-9.46369	2.70E-08	2.66E-07	8.896971	6.797761	6.795907	6.796562	5.941353	5.77614	5.897242	6.546418	6.734965	6.617569	6.517479	6.506792	6.471053	5.952109	5.990731	6.063049	6.286638	6.210856	6.227376
TMEM80	ENSG00000177042	-0.18952	3.100675	-1.58879	0.130033	0.173821	-5.91734	3.476616	3.714268	3.576275	2.864145	3.053471	3.069023	2.832807	3.160038	2.937508	3.284659	3.439177	3.596598	3.593793	3.659519	3.335521	3.209363	2.985098	3.035906
SIX5	ENSG00000177045	0.175926	3.990593	1.735279	0.100288	0.138244	-5.87645	4.428132	4.34846	4.59048	4.510463	4.614773	4.407292	4.164604	3.833587	4.063004	3.730807	3.68898	3.964424	4.151547	4.089828	3.962731	3.848182	3.870083	3.254409
FBXO46	ENSG00000177051	0.012438	4.267342	0.121094	0.904998	0.921929	-7.47041	4.12413	4.115866	4.418131	3.851999	4.071202	3.75519	3.774765	3.535768	3.844255	4.5772	4.606195	4.813663	4.964332	4.763781	4.801349	4.877024	4.805418	4.536426
ZDHHC13	ENSG00000177054	0.319964	4.062041	4.634071	0.000222	0.000597	-0.05257	3.765853	3.7235	3.773804	4.031135	4.177232	4.186878	3.66196	3.711575	3.668646	4.30932	4.378346	4.260892	4.393779	4.722029	4.653399	4.426844	4.504286	4.370952
SLC38A9	ENSG00000177058	0.249035	4.280606	4.124822	0.000672	0.00159	-1.2586	3.65311	3.704977	3.668523	3.944346	3.574682	3.678224	3.690999	3.633086	3.543305	4.957113	4.956526	5.005268	5.280456	5.31559	5.239034	4.814634	4.833383	5.063177
ACER2	ENSG00000177076	-0.9201	2.009417	-6.78902	2.73E-06	1.30E-05	4.850965	3.071243	2.870177	3.133821	1.978268	2.264801	2.029614	2.957542	2.650616	2.440135	2.461296	2.388995	2.422156	1.818016	1.846087	1.947161	1.784732	2.078458	2.252429
WDR73	ENSG00000177082	-0.19109	5.982139	-4.04951	0.000793	0.001842	-1.66079	5.885257	5.848305	5.887131	5.514147	5.514478	5.477948	5.486326	5.546744	5.515873	6.491976	6.481699	6.437802	6.460307	6.344918	6.388589	6.304044	6.225439	6.304372
POLE	ENSG00000177084	-0.8235	5.672084	-4.99789	0.000102	0.0003	0.533093	6.206505	6.079778	6.135406	5.913065	5.865364	6.018168	6.09814	6.119389	6.054173	5.90895	5.818649	5.744936	4.493192	4.480488	4.394205	5.723497	5.807645	5.81333
PHETA2	ENSG00000177096	0.895801	1.913701	4.020994	0.000844	0.001948	-1.01065	0.587539	0.499412	0.421314	2.325974	2.117603	1.880533	1.389995	1.491012	1.674905	3.145032	3.15652	3.325935	3.757374	3.576046	3.629946	3.923315	3.705831	3.865145
RHOG	ENSG00000177105	0.261086	4.926423	3.51305	0.002576	0.005264	-2.62574	5.089762	4.835117	5.018167	5.299283	5.435093	5.276352	5.208612	4.960553	5.03142	4.626786	4.716207	4.745417	4.989521	4.894826	4.715769	4.925625	5.02441	4.762652
EPS8L2	ENSG00000177106	0.387077	5.816009	4.156683	0.000627	0.001494	-1.46176	4.212988	4.330447	4.345467	3.827958	4.249727	3.91707	3.705302	3.40015	3.655245	7.515573	7.580532	7.63323	8.215764	8.090489	8.066613	7.649879	7.647436	7.613843
ANO6	ENSG00000177119	0.257975	6.274873	6.216126	8.29E-06	3.37E-05	3.006677	6.697091	6.678585	6.740992	7.026967	6.986671	7.066704	6.88636	6.948536	6.88487	5.56792	5.56295	5.576204	5.755221	5.740146	5.753539	5.725113	5.866346	5.859884
ZBTB34	ENSG00000177125	-0.29832	4.389139	-3.82965	0.001285	0.002819	-1.85839	4.595114	4.522504	4.641955	3.955484	4.030628	4.170914	4.437325	4.357565	4.339245	4.822817	4.806033	4.637978	4.589193	4.634714	4.591911	4.37013	4.414575	4.353311
FAM210A	ENSG00000177150	-0.38254	4.923362	-8.37936	1.57E-07	1.14E-06	7.23268	4.71698	4.751848	4.822347	4.416862	4.392653	4.531264	4.772276	4.87219	4.745547	5.380501	5.430014	5.479925	5.136171	4.985845	4.952895	5.386197	5.394214	5.347846
TALDO1	ENSG00000177156	-0.21444	7.609709	-3.84654	0.001238	0.002728	-2.21454	8.480523	8.415261	8.447527	8.188491	8.265345	8.205535	8.456214	8.46405	8.526448	7.061844	6.917793	7.053569	6.808603	6.790949	6.838194	6.737834	6.784789	6.690101
ULK1	ENSG00000177169	0.709944	7.473518	6.248755	7.77E-06	3.19E-05	3.026471	9.032806	9.032873	9.183725	9.646465	9.721112	9.60959	9.468224	9.279283	9.394513	5.172773	5.415817	5.468994	6.35588	6.160546	6.257287	5.323569	5.26414	5.052285
RIMKLA	ENSG00000177181	0.739674	2.082253	1.442702	0.166787	0.215761	-5.71752	1.519087	1.81559	1.54317	3.863871	3.656958	3.828257	2.779728	2.728183	2.588518	1.840286	2.249583	2.286428	1.336984	1.622273	1.456457	3.123735	2.908298	3.050576
RPS6KA3	ENSG00000177189	0.963109	7.525176	9.429439	2.85E-08	2.77E-07	8.725867	6.673197	6.748083	6.765568	8.145977	8.067087	8.161274	7.260265	7.422025	7.327573	7.421443	7.487115	7.351425	8.02684	7.969323	8.014151	7.539857	7.573714	7.651621
PUS1	ENSG00000177192	-0.43282	6.371579	-6.97595	1.92E-06	9.59E-06	4.526825	7.481085	7.438494	7.532936	6.902998	6.951784	6.845703	7.463262	7.328612	7.362008	5.642139	5.579421	5.66235	5.47622	5.338797	5.380516	5.577264	5.611658	5.499895
CHD9	ENSG00000177200	0.700806	5.846383	8.515625	1.25E-07	9.45E-07	7.353902	5.285277	5.231103	5.190556	6.120268	6.168576	6.345999	6.108939	5.910652	5.803925	5.716254	5.792202	5.593562	6.168074	6.134259	6.185641	5.972399	5.908034	6.076062
GATD1	ENSG00000177225	0.363913	5.187994	6.408636	5.68E-06	2.43E-05	3.512615	5.487883	5.433112	5.483639	5.772136	5.879712	5.757249	5.082792	5.155666	5.160337	4.755823	4.997958	4.8741	5.297059	5.203748	5.255457	4.805497	4.867593	4.86164
MAN1B1	ENSG00000177239	0.601164	7.015395	18.05775	9.56E-13	1.08E-10	19.41558	6.893931	6.93552	6.792012	7.502737	7.517496	7.501891	7.049405	7.03502	7.07677	6.683492	6.621691	6.625295	7.224841	7.219454	7.174315	6.883887	6.876682	6.873516
FZD8	ENSG00000177283	-0.68701	1.478207	-2.14513	0.046265	0.06929	-4.23931	6.416805	6.548276	6.518068	5.821673	5.899563	5.850401	6.458379	6.333079	6.47992	0.190076	0.259702	0.230035	0.106501	0.190544	0.106501	0.457048	0.358227	0.214669
TOP3A	ENSG00000177302	-0.20784	6.029952	-3.40369	0.003274	0.006498	-3.05185	6.079556	6.007931	5.990033	6.044055	6.116215	5.832753	6.14086	5.948957	6.143263	6.237104	6.229112	6.126123	5.884137	5.759194	5.924669	6.188132	6.159313	6.137474
CASKIN2	ENSG00000177303	0.459567	4.701455	6.781279	2.77E-06	1.31E-05	4.279633	4.081197	3.920993	4.065319	4.647264	4.720591	4.549901	4.111894	4.050434	3.890739	4.992463	5.130539	5.180139	5.495531	5.481175	5.44535	5.329955	5.363378	5.268497
ZBTB38	ENSG00000177311	-0.16102	7.232576	-2.092	0.051324	0.076187	-5.71849	8.756882	8.747989	8.767044	8.499875	8.361516	8.466875	8.95788	8.960995	8.968695	5.751071	5.78433	5.677352	5.792129	5.809899	5.81972	5.772774	5.753789	5.819768
C8orf31	ENSG00000177335	0.128284	-0.49091	1.182133	0.252987	0.311757	-6.27426	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	3.123934	3.21391	3.180357	3.251622	3.203781	3.19663	3.439417	3.366281	3.387478
DLGAP1-A	ENSG00000177337	0.171864	3.714894	1.01277	0.324986	0.388405	-6.61543	4.600191	4.57954	4.676925	4.660937	4.600983	4.793524	5.167879	5.07384	5.07736	2.990428	2.804649	3.001185	3.205461	3.41941	3.053703	2.597261	2.552239	2.507643
CCDC71	ENSG00000177352	-0.03735	4.74074	-0.4818	0.635923	0.68878	-7.45191	4.650007	4.668265	4.626705	4.181007	4.318753	4.194794	4.384974	4.050434	4.33084	5.183009	5.212608	5.299534	5.425104	5.341097	5.389047	5.046891	5.030462	5.033946
TIMM22	ENSG00000177370	-0.36501	5.076654	-5.66351	2.53E-05	8.82E-05	2.074703	6.048317	6.013586	5.908307	5.654037	5.60362	5.599217	6.034424	5.865591	5.923331	4.674725	4.357275	4.623968	4.309002	4.10615	4.237689	4.533992	4.49118	4.292899
PPFIA3	ENSG00000177380	0.454735	3.648601	5.902318	1.55E-05	5.82E-05	2.626128	2.548084	2.534795	2.351095	3.123142	3.394558	3.247073	2.480375	2.420731	2.723053	4.619268	4.675929	4.765977	5.086097	5.051933	4.964358	4.891489	4.79123	4.708177
MAGEF1	ENSG00000177383	-0.28484	5.056183	-3.47569	0.002796	0.005655	-2.85001	4.351916	4.275018	4.314076	4.122913	4.120365	4.218286	3.423261	3.335526	3.437684	6.427788	6.511568	6.481191	6.161037	6.206689	6.144664	6.2921	6.208188	6.08143
NINJ2-AS1	ENSG00000177406	0.363559	1.382451	3.461198	0.002886	0.005817	-2.16265	1.18244	0.940485	1.146821	1.022291	1.006428	1.055701	0.782422	1.301009	1.01237	2.777267	2.727926	2.724859	3.013417	3.173121	3.253801	2.866919	2.784842	3.021085
SAMD9L	ENSG00000177409	0.127082	3.892478	1.280066	0.217251	0.272243	-6.70895	1.959273	1.978677	1.585853	2.887595	2.71237	2.675323	2.752438	2.596487	2.530983	5.389369	5.682972	5.513751	5.487516	5.589628	5.517157	6.064643	6.166201	6.220906
ZFAS1	ENSG00000177410	-0.2756	5.076193	-3.6063	0.002099	0.004391	-2.44564	5.370952	5.421814	5.303557	5.180897	5.166794	5.097889	5.233498	5.088621	5.363523	5.096306	5.186564	4.842989	4.682014	4.770624	4.76576	5.201172	5.248648	5.144062
PAWR	ENSG00000177425	0.184027	6.178539	1.364771	0.189638	0.241529	-6.83215	6.698275	6.699788	6.63065	6.386177	6.225857	6.302701	6.192541	6.145542	6.126365	5.927333	5.823267	5.865347	6.543836	6.588979	6.50991	5.680829	5.699745	5.547215
TGIF1	ENSG00000177426	0.112757	6.605374	0.824575	0.420724	0.485817	-7.41949	7.374733	7.439895	7.39947	7.144775	7.095172	7.093417	7.519993	7.444224	7.51729	5.754507	5.699809	5.742345	6.289208	6.276858	6.351966	5.737977	5.635678	5.694596
MIEF2	ENSG00000177427	-0.09243	3.90463	-0.80275	0.432902	0.497524	-7.08089	3.975752	3.99909	4.087767	3.290819	3.378481	3.349911	3.523527	3.102941	3.218306	4.382206	4.390842	4.554757	4.670733	4.612034	4.550681	4.315393	4.495561	4.242679
NAP1L5	ENSG00000177432	0.843663	3.018536	6.52122	4.56E-06	2.01E-05	4.119572	2.345296	2.09705	2.018628	3.674639	3.225109	3.306732	2.779728	3.122225	2.959482	3.385609	3.21391	3.393562	3.794228	3.852467	3.916269	3.617041	3.37582	3.669942
NR2C2	ENSG00000177463	-0.01222	5.305823	-0.15444	0.879035	0.90118	-7.61386	5.160214	5.137514	5.231457	5.307999	5.431202	5.556848	5.502797	5.327507	5.485906	5.395984	5.584869	5.39832	5.250459	5.243641	5.215244	5.394346	5.251241	5.302602
ACOT4	ENSG00000177465	-0.78035	2.381412	-6.34495	6.43E-06	2.71E-05	3.773889	2.109269	2.283367	2.109199	2.143217	1.909591	1.799787	1.160105	1.605065	1.727075	3.980092	3.896014	3.937488	2.902055	3.301515	3.225499	3.516101	3.562824	3.432977
CAVIN1	ENSG00000177469	-0.7062	7.380346	-2.27089	0.036058	0.055425	-5.41587	9.800598	9.782244	9.822852	8.076257	8.20452	8.086124	8.789371	8.727533	8.763476	5.42646	5.446069	5.629067	6.243301	6.181237	6.308779	6.011333	5.970753	5.843128
ARIH2	ENSG00000177479	-0.00808	6.848425	-0.22964	0.821035	0.851773	-7.81003	6.726412	6.67264	6.680735	6.699426	6.693695	6.766914	6.848198	6.778157	6.85441	6.94566	7.014503	6.986165	6.915218	6.944829	6.973399	6.922433	7.066833	7.014873
ZBTB33	ENSG00000177485	0.221536	5.820976	5.329112	5.05E-05	0.000163	1.159949	5.409064	5.447111	5.359981	5.626427	5.707014	5.759919	5.65424	5.698992	5.612649	6.048447	6.045033	6.024198	6.143802	6.237886	6.231428	6.064643	6.069581	6.116712
ZBED2	ENSG00000177494	-0.74874	0.766218	-5.26776	5.74E-05	0.000182	1.377292	0.106501	0.106501	0.106501	0.258133	0.25478	0.2349	0.106501	0.253663	0.256032	4.945135	4.959326	5.052059	4.238165	4.132949	4.088533	5.799099	5.751959	5.675793
IRX3	ENSG00000177508	0.152994	3.080236	1.076872	0.296177	0.357769	-6.73572	1.430644	1.277811	1.667608	2.425456	2.737798	2.652511	2.26554	2.220554	2.087859	4.295234	4.558991	4.503642	4.298046	4.450973	4.440084	4.956223	4.968764	4.753714
RPRM	ENSG00000177519	0.829943	0.293969	3.556555	0.002341	0.004837	-1.75859	0.587539	0.736739	0.421314	0.258133	0.730585	0.830331	0.670238	0.387194	0.833554	1.704765	2.155072	1.951531	2.579013	2.824271	2.858649	1.708352	1.581179	1.739782
SLC25A22	ENSG00000177542	1.600043	5.418124	12.75658	2.75E-10	6.83E-09	13.75111	3.919992	4.080378	4.301326	6.041444	6.354709	6.006972	5.764215	5.575011	5.709835	4.748949	4.623947	4.77868	5.988911	5.929373	5.937812	6.239922	6.18124	6.077854
RABEP2	ENSG00000177548	0.59768	4.24164	8.66921	9.67E-08	7.68E-07	7.85572	4.25866	3.952741	4.1812	4.487626	4.795153	4.622128	4.302704	4.080322	4.288067	3.956418	3.997554	4.108233	4.715338	4.608219	4.577054	4.203908	4.395944	4.223386
ATOX1	ENSG00000177556	0.552033	5.704468	6.38896	5.90E-06	2.51E-05	3.378318	5.585841	5.587707	5.434857	5.827747	5.896744	5.727543	5.56294	5.666521	5.650287	5.556156	5.56479	5.660978	6.327426	6.322974	6.34869	5.494399	5.460717	5.523749
TBL1XR1	ENSG00000177565	0.803322	5.991736	13.12883	1.74E-10	4.91E-09	14.12102	4.794334	4.925889	4.954444	5.772136	5.77614	5.892383	5.473848	5.81612	5.706591	6.20983	6.229112	6.146848	6.844188	6.946341	6.935317	6.594007	6.579266	6.721381
SAMD12	ENSG00000177570	0.929951	2.668616	8.848821	7.20E-08	6.00E-07	8.1049	1.475543	0.940485	0.964748	1.022291	0.92021	0.830331	1.317361	1.231675	0.833554	4.908591	5.135498	4.835713	5.917927	5.898468	6.011491	4.972643	5.066252	5.140638
C18orf32	ENSG00000177576	0.942398	1.333283	4.188647	0.000584	0.001407	-0.33865	1.861169	1.849715	1.853768	2.255624	2.490996	2.098749	2.412257	2.357042	2.471058	0.982259	1.265082	1.277453	1.858352	2.250257	2.058312	1.099384	1.368306	1.81044
PIDD1	ENSG00000177595	-0.13578	3.385153	-1.07678	0.296218	0.357788	-6.66224	3.86199	3.855322	3.922756	3.325575	3.112982	3.200652	3.178682	2.753138	3.044176	3.730807	3.626949	3.784665	3.956313	3.779712	3.933868	3.324713	3.579432	3.487904
RPLP2	ENSG00000177600	0.226087	8.484758	5.592198	2.92E-05	0.000101	1.505583	8.632297	8.605778	8.613053	8.732555	8.788487	8.64645	8.801072	8.832977	8.855703	8.031092	8.020931	8.057647	8.328635	8.393101	8.414861	8.367627	8.357323	8.322417
HASPIN	ENSG00000177602	-1.59141	2.65701	-6.28107	7.29E-06	3.03E-05	3.863944	3.662849	3.647938	3.819232	2.791417	3.207016	2.961768	4.090259	4.090149	3.968647	2.906434	2.946841	3.101662	1.186687	1.120667	0.910419	3.001034	3.046116	2.84714
JUN	ENSG00000177606	-0.66684	6.616173	-2.65944	0.016244	0.027215	-4.70511	7.119328	6.988172	7.182836	5.077635	5.208315	4.98829	5.736627	5.423907	5.709835	7.277807	7.332138	7.57106	7.534322	7.584777	7.536346	7.142189	7.0902	6.928161
CSTF2T	ENSG00000177613	-0.30355	6.122845	-4.8703	0.000133	0.000381	0.178262	6.54082	6.669061	6.640807	6.560435	6.362903	6.462058	6.704294	6.690439	6.59318	6.035795	5.796904	5.850985	5.338642	5.518239	5.495593	5.739577	5.764723	5.85153
GBA	ENSG00000177628	1.673954	6.608142	14.61767	3.09E-11	1.39E-09	15.89949	6.317027	6.311696	6.37633	8.433214	8.338847	8.3974	7.16128	7.193836	7.230386	5.33073	5.376563	5.341234	6.578205	6.491907	6.54755	5.943536	5.956519	5.954574
CASC2	ENSG00000177640	-0.05971	1.01145	-0.34574	0.733668	0.776982	-6.46348	2.165157	2.152784	2.138168	1.688986	1.909591	2.029614	1.762502	2.069791	1.918715	1.315703	1.265082	1.061592	1.121891	1.652223	1.390007	1.250674	1.206659	1.370407
ACAD9	ENSG00000177646	0.056834	5.303439	1.14382	0.268123	0.32811	-6.96478	5.173901	5.269425	5.309937	5.408686	5.326156	5.441817	5.319693	5.314991	5.321722	5.235589	5.374467	5.454817	5.343978	5.366162	5.341488	5.471474	5.276925	5.383047
IL17RA	ENSG00000177663	0.515231	4.353024	6.981402	1.90E-06	9.50E-06	4.828735	4.450796	4.599733	4.611291	4.88719	4.807214	4.819357	4.956946	4.819999	4.91817	3.681119	3.668598	3.809637	4.420966	4.372183	4.423569	4.180538	4.167865	4.101878
PNPLA2	ENSG00000177666	0.163687	5.985818	1.231762	0.234354	0.291189	-6.94944	6.683998	6.786028	6.828017	6.359172	6.68228	6.4069	6.29303	6.15961	6.338259	5.328427	5.265591	5.531872	5.963711	6.006758	6.069697	5.31071	5.211838	4.977487
AGTRAP	ENSG00000177674	0.489907	5.12082	3.861272	0.001198	0.002649	-1.87849	5.307177	5.306756	5.228093	5.346585	5.3917	5.324049	5.764215	5.767957	5.785592	4.545816	4.378346	4.441093	5.267409	5.341097	5.28547	4.811595	4.930438	4.749225
CD163L1	ENSG00000177675	-0.50067	4.189425	-2.60038	0.018379	0.030329	-4.44989	4.059241	4.256058	4.109872	2.48816	2.333126	2.429135	4.101117	3.946081	3.968647	5.22076	5.113047	5.191584	4.968945	5.117812	5.171406	4.996928	4.90431	4.910709
SRRM3	ENSG00000177679	0.954584	2.331143	4.446747	0.000333	0.000855	0.034919	2.589523	2.49222	2.423483	3.944346	3.747367	3.964146	2.545421	2.938616	2.869505	2.056133	2.032826	2.055402	2.225168	2.363215	2.141451	2.283004	2.447571	2.119598
THAP5	ENSG00000177683	-0.06536	4.560022	-1.04606	0.309784	0.372311	-6.85906	5.071598	5.081176	5.025938	4.971905	4.998178	4.960699	5.188389	5.368459	5.18386	4.146251	4.223947	4.16352	4.028794	4.24529	4.139984	4.083081	4.258317	4.122853
CRACR2B	ENSG00000177685	0.647461	3.057937	5.237078	6.12E-05	0.000192	1.425691	2.867343	2.748839	2.865896	2.864145	3.033076	2.629332	2.513265	2.451551	2.723053	3.17611	3.356645	3.663876	4.264669	4.122289	4.306856	3.52355	3.698248	3.509302
NAALADL2	ENSG00000177694	0.786279	2.073189	11.21982	2.05E-09	3.29E-08	11.87913	1.010037	1.226787	1.028027	1.578054	1.2379	1.714252	1.074544	0.915275	1.01237	3.744695	3.805572	3.608031	4.521727	4.398927	4.431851	3.567454	3.595851	3.734962
CD151	ENSG00000177697	0.622374	8.083826	10.51262	5.58E-09	7.41E-08	10.40854	8.433649	8.353795	8.457976	9.04986	9.175377	9.075513	8.874107	8.81346	8.91559	7.211227	7.110182	7.223007	7.812606	7.658567	7.706408	7.277206	7.261433	7.212088
POLR2L	ENSG00000177700	-0.04129	6.849021	-0.58018	0.5692	0.628303	-7.61206	7.794091	7.731147	7.841674	7.581237	7.695936	7.492287	7.803719	7.71183	7.881884	5.896563	5.864171	6.093958	6.114958	6.091177	6.11025	6.03498	5.9786	5.84102
FAM20C	ENSG00000177706	0.965725	2.947975	3.322211	0.003912	0.007636	-2.23224	5.772833	5.770277	5.945657	6.717532	6.973352	6.776177	5.643139	5.416115	5.463015	0.669294	0.799097	0.807652	1.121891	0.888753	0.910419	1.354562	1.513652	0.872651
NECTIN3	ENSG00000177707	0.379983	4.508937	4.150167	0.000636	0.001513	-1.19486	4.066597	3.944869	3.897563	4.525489	4.258538	4.537503	4.536652	4.373746	4.475104	4.839091	4.784095	4.847819	5.056064	5.098907	5.215244	4.657623	4.580516	4.656368
TMEM94	ENSG00000177728	0.670554	6.126147	12.01781	7.05E-10	1.43E-08	12.67038	5.897683	5.792378	5.906203	6.396431	6.385201	6.358386	6.040078	6.012346	6.054173	5.969338	5.911195	5.8878	6.778045	6.664398	6.64337	5.968311	5.994168	6.000631
FLII	ENSG00000177731	0.237112	7.881432	3.22351	0.004852	0.009255	-3.62789	7.745079	7.686409	7.837264	7.686095	7.77175	7.684456	7.459048	7.401454	7.444174	7.914605	7.931098	7.95114	8.446809	8.359739	8.396732	8.124792	8.070238	8.070885
SOX12	ENSG00000177732	1.184017	5.187566	6.962535	1.96E-06	9.81E-06	4.654753	5.509634	5.562207	5.676178	6.1997	6.348532	6.150238	5.937792	5.653324	5.748211	3.730807	4.024536	3.92383	5.612171	5.674166	5.678967	4.365992	4.298997	4.163911
HNRNPA0	ENSG00000177733	-0.50058	8.055489	-7.09167	1.54E-06	7.96E-06	4.556211	8.39217	8.414192	8.446803	7.628977	7.706439	7.616095	8.114242	8.036094	8.106519	8.111334	8.121832	8.269339	7.92992	7.900024	7.900896	8.204579	8.16062	8.040893
AC025171.	ENSG00000177738	2.035819	0.973999	8.56436	1.15E-07	8.83E-07	7.871562	1.384302	1.277811	1.453818	3.06262	3.394558	3.231764	2.696258	2.702788	2.892531	0.54782	0.583785	1.027938	1.27873	1.528499	1.209118	0.974502	0.871168	1.058313
AL162595.	ENSG00000177788	0.201189	1.262865	1.395086	0.180466	0.231191	-5.81141	1.286899	1.420874	0.898566	1.578054	1.556428	1.475193	1.240874	1.15884	1.171446	2.14259	2.575707	2.152295	2.466086	2.21055	2.294605	2.400938	2.295039	2.528753
TENM3-AS	ENSG00000177822	1.391381	1.037686	3.810741	0.001339	0.002927	-1.02771	2.245129	2.37994	2.812981	4.227693	4.091068	4.009735	3.238915	3.285084	3.124172	0.483018	0.799097	0.807652	0.656707	0.550009	0.404558	0.63264	0.759002	0.659518
CHID1	ENSG00000177830	0.261989	6.445685	5.112006	7.97E-05	0.000242	0.628493	6.191444	6.257117	6.229267	6.585745	6.677361	6.618851	6.462596	6.391864	6.435535	6.448088	6.410864	6.505084	6.69278	6.504276	6.588868	6.535341	6.429295	6.365783
PCDHB9	ENSG00000177839	1.227938	0.185122	7.876399	3.74E-07	2.37E-06	6.822917	0.318509	0.215206	0.219246	0.934951	0.730585	0.909432	0.415731	0.387194	0.39151	2.01088	2.011405	1.933468	2.812503	2.612083	2.870883	2.192442	2.124453	2.302316
ZNF620	ENSG00000177842	-0.2825	2.417502	-2.68648	0.015347	0.025862	-3.87271	2.296082	2.068355	2.138168	1.74141	1.612488	2.196611	2.376953	2.147141	2.440135	3.340597	3.447177	3.419749	3.228726	3.065945	3.253801	3.281432	3.104657	3.432977
ZNF518A	ENSG00000177853	-0.19152	4.615356	-2.81362	0.011729	0.020341	-4.06565	4.522086	4.673038	4.626705	4.472198	4.360275	4.639633	4.583863	4.734864	4.520155	4.945135	5.011508	4.803754	4.656506	4.872735	4.523816	4.714053	4.73304	4.762652
TMEM187	ENSG00000177854	0.168116	2.894593	1.376521	0.18604	0.237605	-6.08253	3.747663	3.347134	3.544167	3.376187	3.31232	3.59692	3.423261	3.178579	3.271973	2.749986	2.531245	2.786535	3.057395	3.272884	2.918805	2.509956	2.568968	2.442395
SVBP	ENSG00000177868	-0.24022	3.280673	-2.74882	0.013456	0.023003	-3.94732	3.603403	3.494617	3.419917	3.162124	2.970101	3.292047	2.667326	2.676938	2.869505	3.950439	3.830249	3.834184	3.60569	3.738425	3.837423	3.501087	3.659719	3.669942
ZNF619	ENSG00000177873	0.178976	2.757794	1.854825	0.08057	0.113743	-5.4236	2.589523	2.870177	2.794903	2.661411	2.398361	2.904994	2.545421	2.676938	2.892531	3.047564	3.175905	3.035461	3.360948	3.401888	3.326666	3.209363	3.138674	3.387478
AP3S1	ENSG00000177879	0.238404	6.845629	1.862599	0.079415	0.112325	-6.18849	6.295276	6.27135	6.18657	5.848808	5.800478	5.804577	6.192541	6.121786	6.145661	7.344304	7.328894	7.464632	7.976762	8.019376	8.06628	7.567596	7.53326	7.522742
GRB2	ENSG00000177885	0.040046	7.827546	1.200812	0.245846	0.303746	-7.19154	7.519113	7.557483	7.520613	7.609718	7.579461	7.508258	7.673374	7.698241	7.664177	8.052535	8.004423	8.103048	8.093042	8.114556	8.08904	8.092601	8.108647	8.027051
ZBTB41	ENSG00000177888	-0.50252	5.708478	-3.10171	0.00632	0.011744	-3.60426	6.764225	6.797001	6.865312	5.772136	5.847955	5.775839	6.579794	6.535438	6.369368	5.1881	5.179378	5.212332	5.240955	5.310903	5.330457	4.847651	4.780497	4.926702
UBE2N	ENSG00000177889	-0.12145	7.190927	-3.37865	0.003458	0.006823	-3.22967	7.193433	7.170515	7.105186	7.077547	6.940877	6.961592	7.271123	7.268217	7.318037	7.28198	7.275421	7.24743	7.16127	7.20121	7.186602	7.275001	7.324983	7.36002
ARL6IP6	ENSG00000177917	-0.52445	4.649246	-5.88927	1.59E-05	5.94E-05	2.554615	4.859306	4.852052	4.954444	4.009923	3.99943	4.045196	4.758625	4.771967	4.776822	4.886838	4.878812	4.959141	4.49639	4.837324	4.56581	4.914336	5.060349	5.140638
ZNF354C	ENSG00000177932	-0.49367	2.812339	-6.99384	1.85E-06	9.32E-06	4.918399	1.959273	2.09705	2.221741	1.578054	1.612488	1.367251	1.966276	2.147141	1.564539	4.630531	4.54415	4.518865	4.126992	4.122289	4.169997	4.394709	4.338561	4.483349
MAMDC4	ENSG00000177943	0.713609	1.376669	4.411101	0.000359	0.000916	0.087026	1.519087	1.374745	1.62731	2.325974	2.366112	2.5075	2.102195	1.760835	2.005764	1.732907	1.8028	1.839597	2.044674	2.06228	1.900186	1.542275	1.547811	1.665483
CENPBD1	ENSG00000177946	0.102951	4.742909	1.797412	0.08957	0.125048	-5.98385	4.532747	4.412648	4.43574	4.720913	4.416469	4.616245	4.520565	4.59002	4.444269	4.968993	4.981528	5.024594	5.071159	5.149657	5.023089	5.284643	5.182242	5.000336
BET1L	ENSG00000177951	0.385037	6.318164	5.179288	6.92E-05	0.000214	0.797652	6.315484	6.370174	6.309455	6.958031	6.987996	6.947605	6.44991	6.331009	6.383659	6.115449	5.992705	6.053763	6.238533	6.147463	6.220714	6.13076	6.115856	6.000631
RPS27	ENSG00000177954	0.229345	8.864385	5.136595	7.57E-05	0.000232	0.503129	8.824337	8.799094	8.735401	9.131925	9.118133	9.045457	9.034932	8.949233	9.061145	8.746254	8.738628	8.579002	8.737291	8.884204	8.895586	8.713303	8.775087	8.847885
RIC8A	ENSG00000177963	0.109686	6.738404	2.749535	0.013436	0.022976	-4.50245	6.81096	6.910477	6.912188	6.960797	7.027194	7.02513	7.012497	6.866575	6.88487	6.544525	6.415968	6.554672	6.653204	6.518574	6.619099	6.603703	6.616959	6.606939
IMP3	ENSG00000177971	0.232637	6.147671	2.52212	0.021622	0.035155	-4.89771	5.699026	5.738755	5.776322	6.261586	6.399213	6.315464	6.025902	5.996758	6.280514	6.126099	6.177154	6.402125	6.217367	6.173513	6.207511	6.49707	6.413172	6.331655
ASB8	ENSG00000177981	0.47423	4.577164	4.598266	0.000239	0.00064	-0.15709	4.363907	4.377991	4.547936	4.821743	4.84865	4.859751	5.147073	5.192623	5.325957	4.227618	4.361514	4.079775	4.580176	4.725555	4.76248	4.46216	4.38181	4.45606
ODF3B	ENSG00000177989	0.701553	2.046785	3.78864	0.001406	0.003055	-1.3415	2.165157	2.425906	2.446827	2.933382	3.188693	3.051692	2.144798	2.420731	2.892531	1.423238	1.922393	2.213454	2.300295	2.084417	2.497588	2.300453	2.354144	2.174206
LRRC75B	ENSG00000178026	1.629469	1.787676	14.86578	2.35E-11	1.14E-09	16.1839	1.069823	1.002471	1.406977	2.021307	2.460774	2.196611	1.648695	1.001115	1.244857	2.320032	2.303453	2.460504	3.819988	3.846002	3.693316	2.597261	2.755911	2.649309
DMAP1	ENSG00000178028	0.166707	4.32212	3.033744	0.00732	0.013378	-3.52099	4.516725	4.501192	4.574673	4.576883	4.573001	4.580436	4.681143	4.474723	4.563842	4.182415	4.127684	4.175097	4.414217	4.407733	4.394205	4.098126	4.128907	4.150354
CALHM5	ENSG00000178033	1.801338	-1.03051	3.079429	0.006632	0.012261	-2.38375	1.719036	1.670392	1.744977	3.647423	3.410458	3.828257	1.240874	1.549165	1.171446	0.269074	0.259702	0.106501	0.171976	0.190544	0.106501	0.183756	0.106501	0.214669
IMPDH2	ENSG00000178035	-0.14171	8.08649	-3.37097	0.003517	0.006925	-3.31833	8.148374	8.169764	8.143952	7.919429	7.924197	7.991018	7.836577	7.921056	7.929975	8.225606	8.175784	8.226171	8.139304	8.140542	8.106281	8.236375	8.165441	8.25593
ALS2CL	ENSG00000178038	0.51439	3.771267	2.991936	0.00801	0.014477	-3.71984	3.443098	3.461896	3.347346	2.791417	2.520598	2.346268	1.816207	2.108984	2.34318	4.992463	5.035583	4.737631	5.84578	5.548415	5.677227	4.723786	4.956102	5.059556
MLF1	ENSG00000178053	0.384929	4.165155	3.274304	0.004343	0.008385	-3.10621	3.719942	3.786518	3.726899	3.273122	3.410458	3.27721	3.238915	3.285084	3.289427	4.806358	4.866934	4.714017	5.284162	5.546423	5.430962	4.902958	5.106916	5.019105
NDUFAF3	ENSG00000178057	0.151464	5.8842	2.242852	0.038134	0.058353	-5.38504	5.675165	5.785783	5.769395	5.971842	6.184845	6.09843	6.114309	5.882654	5.94827	5.735507	5.901039	5.915671	5.835713	5.818179	5.889024	6.071011	5.962863	5.809023
C2orf69	ENSG00000178074	-0.54408	5.067417	-7.54381	6.75E-07	3.92E-06	5.722649	5.411954	5.477439	5.47515	5.190356	5.008661	5.033133	4.80585	4.944392	5.107194	5.402569	5.312323	5.386751	4.718081	4.679032	4.814076	5.170659	5.054421	5.022829
GRAMD1C	ENSG00000178075	0.524097	1.155421	1.590286	0.129695	0.173468	-5.53979	1.286899	1.061904	1.202741	0.841981	0.389229	0.657796	1.525136	2.029503	1.314712	1.91588	2.372288	2.409144	3.157774	2.950162	3.206318	2.135245	2.212266	2.252429
STAP2	ENSG00000178078	0.771918	2.362249	7.035729	1.71E-06	8.69E-06	4.904547	0.882475	0.940485	1.406977	0.742604	0.625525	1.055701	1.389995	0.726566	0.833554	4.417313	4.547875	4.703397	5.463201	5.393017	5.317108	4.996928	4.874338	4.874064
TSSK6	ENSG00000178093	0.406246	0.413745	1.523591	0.1455	0.191548	-5.30786	1.719036	1.374745	1.818408	1.457877	1.612488	1.310092	1.525136	1.549165	1.01237	0.54782	0.848253	1.061592	1.365252	1.393161	1.284217	1.017342	1.072305	0.999041
BOLA1	ENSG00000178096	-0.07178	3.463396	-0.78947	0.440418	0.504778	-6.9764	3.420312	3.248262	3.454879	3.290819	3.188693	3.086148	2.981245	3.083395	2.915195	3.87036	4.051023	4.231625	4.131114	3.946112	4.062102	4.151986	4.005291	3.660409

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PLD6	ENSG00000179598	-0.6411	3.347205	-3.44922	0.002963	0.005957	-2.35692	4.574623	4.372133	4.458888	3.342644	3.394558	3.27721	4.215456	3.946081	3.979442	3.165825	3.136872	3.339716	3.27416	3.088026	3.244428	2.843302	2.868308	2.464474
CDC42EP4	ENSG00000179604	-0.65319	4.892524	-4.05006	0.000792	0.00184	-1.4296	5.403266	5.466485	5.497679	5.185634	5.399687	5.401341	4.857993	4.928048	4.878354	5.035466	5.008809	5.241989	3.993008	4.028349	4.104162	4.805497	4.949728	4.82371
ZBTB42	ENSG00000179627	1.051363	3.684753	17.14534	2.26E-12	2.04E-10	18.65984	2.051128	2.403106	2.109199	3.487804	3.426184	3.168853	2.806512	2.753138	2.670735	4.399867	4.45175	4.469576	5.379059	5.408455	5.378375	4.947942	4.907602	4.874064
LACC1	ENSG00000179630	-0.6564	3.683577	-8.61402	1.06E-07	8.29E-07	7.881734	4.500523	4.691972	4.43574	3.815786	3.945887	3.584921	3.866715	3.988732	3.957772	3.805587	3.866492	3.829308	3.409264	3.338827	3.344321	3.383205	3.317614	3.31642
MAF1	ENSG00000179632	0.445438	6.81101	8.59134	1.10E-07	8.54E-07	7.365738	6.396519	6.253935	6.406409	6.565896	6.674071	6.581598	6.314182	6.219034	6.297866	6.981288	6.951927	7.048857	7.592273	7.562278	7.558733	7.212429	7.140733	7.089583
ARL14	ENSG00000179674	-0.77861	0.396671	-3.01295	0.007655	0.013903	-3.23181	1.12723	1.002471	1.256574	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	3.962373	3.748453	3.834184	3.388755	3.375198	3.326666	3.083983	3.127424	3.107809
PCED1B	ENSG00000179715	-0.20997	4.67675	-2.65915	0.016253	0.027229	-4.51856	3.623492	3.335139	3.39613	3.766043	3.747367	3.828257	3.050103	3.063581	3.181386	6.228481	6.268018	6.359638	5.974073	5.965605	5.934902	6.013979	5.989515	5.972018
FLJ37453	ENSG00000179743	-0.03186	0.849308	-0.18331	0.856662	0.881842	-6.6579	0.814199	1.002471	0.898566	0.742604	1.2379	0.909432	1.240874	1.15884	1.38134	2.163418	2.212518	2.30059	2.145912	2.269709	2.058312	2.034568	1.956613	1.665483
APOBEC3B	ENSG00000179750	-1.3935	3.366422	-12.4542	4.02E-10	9.06E-09	13.50351	3.236881	2.9974	3.24453	2.291228	1.953662	2.346268	3.115825	3.063581	2.82232	5.195703	5.014203	5.039448	3.703037	3.544454	3.793113	4.142342	4.011424	4.087723
PCBP1-AS1	ENSG00000179818	-0.7849	2.779271	-6.99396	1.85E-06	9.32E-06	5.160591	4.138162	4.115866	4.138828	3.425084	3.053471	3.335661	3.423261	3.646467	3.357206	2.635389	2.714733	2.638296	2.062048	2.344993	2.220059	2.075685	2.535313	2.277588
MYADM	ENSG00000179820	-0.36587	7.122585	-2.15957	0.044971	0.067565	-5.70057	7.33188	7.26995	7.193226	6.125209	6.130685	5.979739	6.278754	6.212301	6.319266	7.675917	7.583257	7.789515	7.977621	7.862885	7.839972	7.611073	7.67281	7.56933
MROH1	ENSG00000179832	0.246837	4.700803	3.559139	0.002328	0.004811	-2.63083	3.756787	3.768792	3.597291	3.359513	3.616407	3.405543	3.423261	3.063581	3.271973	5.995709	6.075026	6.035885	6.455384	6.317144	6.408658	5.818911	5.879817	5.838909
SERTAD2	ENSG00000179833	-0.38155	5.723045	-3.26956	0.004389	0.008458	-3.29198	5.926267	5.906205	5.980067	5.342348	5.33034	5.238557	6.062473	6.001973	6.150445	5.92581	5.88346	5.956492	5.757889	5.78983	5.661468	5.60386	5.564469	5.445432
AKAP5	ENSG00000179841	0.43044	0.123739	2.521684	0.021641	0.035182	-3.68335	0.947665	0.940485	0.598525	0.841981	1.307481	1.123626	0.670238	0.726566	1.01237	1.116489	1.300837	1.413989	1.473091	1.428204	1.550722	1.214313	1.118494	1.222783
GIPC3	ENSG00000179855	0.379141	-1.81451	1.581041	0.131795	0.175945	-4.97276	1.384302	1.327092	1.62731	1.791994	1.556428	1.956998	2.376953	2.568641	2.471058	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RNF227	ENSG00000179859	0.31626	2.486587	2.970788	0.008382	0.015071	-3.17532	2.392887	2.49222	2.681399	2.91067	3.170134	3.03415	3.158032	2.916694	3.00245	2.558849	2.590228	2.34226	2.566893	2.50126	2.589286	2.807136	2.741225	2.778299
CITED4	ENSG00000179862	-0.19597	4.6918	-1.17889	0.254242	0.313168	-6.66419	6.40089	6.46679	6.615279	5.974582	6.177895	5.825123	5.523124	5.484771	5.70008	3.186323	3.330936	3.669344	3.804587	3.940055	3.898452	3.39949	3.236163	3.291935
ABCA13	ENSG00000179869	0.044913	0.182025	0.159675	0.874968	0.897786	-6.72437	1.12723	1.226787	1.30847	0.395333	0.25478	0.3528	0.269385	0.253663	0.39151	2.163418	2.174476	2.07201	2.51737	2.517623	2.782986	1.784732	1.442809	1.504318
TIGD5	ENSG00000179886	0.274741	4.480081	3.023554	0.007482	0.01364	-3.54244	4.740165	4.809337	4.892035	4.892995	5.176125	4.937296	5.003988	4.790167	4.99996	3.751589	3.992097	4.083875	4.323482	4.335734	4.213876	4.519164	4.395944	4.014786
PDXDC1	ENSG00000179889	2.55E-05	7.645946	0.000857	0.999326	0.999466	-7.89745	7.790763	7.851291	7.859723	7.848756	7.856167	7.870785	7.849514	7.751072	7.801289	7.539173	7.475918	7.448426	7.471102	7.464384	7.456407	7.497458	7.4363	7.493513
R3HDM2	ENSG00000179912	-0.20012	4.449174	-2.36375	0.029906	0.046874	-4.83277	5.240453	5.24399	5.300357	4.97738	4.745876	4.793524	5.071794	5.023446	5.18386	3.920163	3.947677	3.942013	4.102013	4.028349	3.898452	3.989359	3.916575	4.058989
B3GNT3	ENSG00000179913	-0.49284	2.771979	-5.76877	2.04E-05	7.31E-05	2.255557	1.010037	1.226787	1.028027	1.256461	0.828511	0.746642	0.415731	1.001115	1.01237	5.866711	5.770051	5.929407	5.408221	5.368419	5.326021	6.133197	6.085656	6.123666
SEPHS2	ENSG00000179918	0.694825	5.776531	6.798252	2.68E-06	1.28E-05	4.190717	5.125418	5.063109	5.155563	6.1997	6.291721	6.267477	5.712047	5.686091	5.690258	5.642139	5.701482	5.872475	6.060892	6.135585	6.074994	5.989982	5.959694	5.85153
ZNF784	ENSG00000179922	0.192	2.97104	2.457701	0.02469	0.039592	-4.53971	2.109269	2.125186	2.37563	2.425456	2.686486	2.22781	2.186178	2.420731	2.239236	3.87036	4.097507	4.178935	4.245787	4.169652	4.21867	4.057652	3.822043	3.897964
C14orf119	ENSG00000179933	-0.05618	6.13724	-1.14097	0.269276	0.329295	-7.127	5.866415	5.877545	5.794633	5.622938	5.593209	5.59324	5.360933	5.319175	5.321722	6.760699	6.745244	6.819752	6.811816	6.848675	6.849829	6.557281	6.597726	6.539638
BBS10	ENSG00000179941	0.312871	4.367836	4.507112	0.000292	0.000762	-0.35903	4.186225	4.336476	4.208773	4.495279	4.301803	4.454215	4.520565	4.474723	4.45204	4.364327	4.447768	4.335006	4.720818	4.780828	4.759194	4.336692	4.353122	4.370952
FIZ1	ENSG00000179943	-0.11026	4.776432	-1.56801	0.134805	0.17939	-6.35355	4.500523	4.574447	4.504099	4.142539	4.258538	4.28655	4.376062	4.533523	4.606245	5.131086	5.281337	5.432483	5.26928	5.250999	5.290032	5.293385	5.214498	5.033946
PUF60	ENSG00000179950	-0.26405	8.225063	-8.04154	2.80E-07	1.87E-06	6.301275	7.952856	7.926166	7.968566	7.575834	7.663961	7.602769	7.908653	7.847647	7.850625	8.758925	8.680225	8.778748	8.588805	8.516791	8.492624	8.686387	8.682033	8.663049
DCTPP1	ENSG00000179958	-0.35579	6.318857	-3.31655	0.003961	0.00772	-3.28299	6.381852	6.390602	6.37481	6.290462	6.426835	6.370669	6.132946	5.910652	6.007476	6.65252	6.579556	6.706648	6.098213	6.058	5.98641	6.582463	6.536314	6.591974
ZNF771	ENSG00000179965	0.71068	2.107784	4.0533	0.000786	0.001829	-0.78944	1.826927	2.448351	2.621113	3.142765	3.053471	2.885561	2.545421	2.702788	2.440135	1.891119	1.827525	2.16783	2.25569	2.642244	2.365487	2.539649	2.500854	1.910335
PPP1R14B	ENSG00000179967	0.096536	0.005917	0.385638	0.704418	0.751819	-6.33678	0.587539	0.8079	1.028027	1.256461	1.006428	1.188496	0.670238	0.824004	1.01237	0.934589	1.529011	1.188864	0.907968	1.16289	1.046067	1.13872	1.442809	1.115245
NA	ENSG00000179979	-0.62365	4.112202	-5.936	1.45E-05	5.49E-05	2.777074	4.961483	5.059469	5.064177	4.052041	3.956756	4.233737	4.402637	4.166444	4.296723	4.207702	4.205202	4.046548	3.904282	3.964133	3.72061	3.818209	3.84969	3.679412
TSHZ1	ENSG00000179981	-0.32116	3.941392	-2.31226	0.033184	0.051531	-4.87638	4.165822	3.968357	4.102541	4.290615	4.284653	4.202668	3.928981	3.633086	3.957772	4.232554	4.23323	4.197974	3.640803	3.528394	3.658454	4.357681	4.111883	4.170642
PSTK	ENSG00000179988	-0.44555	2.174246	-3.15023	0.005689	0.010677	-2.64813	3.729242	3.686213	3.688245	3.162124	2.904251	3.200652	3.523527	3.535768	3.218306	1.586365	1.672391	1.800268	1.711947	1.591687	1.801384	1.542275	1.581179	1.739782
SOCS4	ENSG00000180008	-0.38575	5.794792	-10.0375	1.12E-08	1.30E-07	9.851736	6.088617	6.002253	6.036935	5.749917	5.525471	5.699996	5.817858	5.882654	5.800886	6.035795	6.007657	5.948645	5.606261	5.639075	5.616767	5.739577	5.798808	5.791663
ZADH2	ENSG00000180011	0.026614	4.58568	0.44391	0.662555	0.712585	-7.41614	4.302931	4.256058	4.262385	4.416862	4.462952	4.580436	4.264577	4.389749	4.243986	5.043915	4.881766	4.904554	4.818614	4.916583	4.873042	5.026064	4.971913	5.044977
ZNF48	ENSG00000180035	0.085858	4.038525	1.153437	0.264261	0.323997	-6.7101	3.836399	3.888531	3.698006	4.112999	4.081169	3.878271	4.079318	4.050434	3.990155	4.417313	4.369954	4.264509	4.427684	4.230476	4.368551	4.332457	4.195062	4.073428
C3orf80	ENSG00000180044	-2.24552	-0.04827	-8.98197	5.80E-08	5.02E-07	8.423776	1.681202	1.118985	1.406977	0.395333	0.512209	0.746642	1.074544	0.622068	0.735084	1.964162	1.725977	1.60868	0.562188	0.550009	0.533283	1.599785	1.478665	1.322858
LINC02870	ENSG00000180066	-1.74573	0.474775	-5.95276	1.40E-05	5.34E-05	3.335294	3.710582	3.557914	3.489013	1.688986	2.078331	2.064596	2.957542	2.871824	2.530983	0.415169	0.462741	0.807652	0.407676	0.345231	0.263213	0.576451	0.433238	0.805046
ANKRD18A	ENSG00000180071	-1.14285	1.885094	-8.75084	8.45E-08	6.87E-07	8.270425	2.568952	2.513665	2.720234	1.791994	1.718467	1.880533	2.513265	2.451551	2.34318	2.650221	2.753956	2.855308	1.755315	1.766169	1.900186	1.903678	2.37332	2.14716
TMEM86B	ENSG00000180089	-0.04483	0.127435	-0.19971	0.844011	0.870853	-6.43614	0.667115	1.002471	1.202741	1.326771	1.2379	1.188496	0.670238	0.622068	1.01237	1.239286	1.369793	1.514616	1.088368	1.2438	1.046067	1.13872	1.118494	1.273688
SEPTIN1	ENSG00000180096	0.767412	0.494158	3.430259	0.003089	0.006178	-1.82023	1.336422	1.420874	1.744977	1.888135	2.078331	2.098749	1.917967	1.901414	1.873138	0.88529	0.848253	0.807652	0.982856	1.320413	1.355599	0.837776	0.504542	0.734116
TRNAU1AP	ENSG00000180098	0.678398	4.019122	5.057665	8.94E-05	0.000268	0.895079	3.810347	3.888531	3.745844	3.955484	4.020303	3.907468	4.023335	4.238905	3.90213	3.818776	4.082178	3.977706	4.886014	4.843827	4.90611	3.934535	3.890192	4.163911
EXOC3	ENSG00000180104	0.624433	6.221771	11.12781	2.33E-09	3.65E-08	11.42245	5.868521	5.973524	5.861303	6.54945	6.438513	6.347775	6.103549	6.136086	6.176476	6.118119	6.037105	6.112139	6.847322	6.724662	6.710426	6.078617	6.138449	6.134035
LYNX1	ENSG00000180155	0.849233	4.007022	13.38288	1.28E-10	3.93E-09	14.59368	3.19722	3.027527	3.217639	3.503067	4.040879	3.689474	3.178682	3.102941	3.199964	4.517783	4.51019	4.500578	5.477839	5.322591	5.345877	4.77149	4.73304	4.684858
FAR2P1	ENSG00000180178	-0.17289	-0.35198	-1.4594	0.162195	0.21053	-6.05525	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.003384	4.166964	3.513924	3.675081	3.637228	3.693316	3.341669	3.449945	3.591857
MED14	ENSG00000180182	0.476872	6.465404	6.139255	9.66E-06	3.85E-05	2.801753	6.141817	6.215193	6.146141	6.94132	6.903447	6.971994	6.800697	6.793275	6.678454	6.244453	6.244112	6.168245	6.475784	6.395597	6.384329	6.378845	6.37444	6.427498
FAHD1	ENSG00000180185	0.230405	5.386798	4.022089	0.000842	0.001944	-1.62244	5.067938	5.303682	5.281005	5.59472	5.514478	5.646163	5.218618	5.255104	5.247756	5.466817	5.421918	5.627664	5.607741	5.672341	5.609485	5.394346	5.405901	5.265357
TDRP	ENSG00000180190	8.54E-05	4.030719	0.000727	0.999428	0.999473	-7.2575	5.015692	4.99613	5.11242	4.765896	4.789085	4.772519	4.950956	4.784126	4.889843	3.265521	3.423044	3.133657	3.513977	3.793216	3.658454	3.298901	3.046116	3.202807
RCC1	ENSG00000180198	-0.19036	7.135414	-1.60903	0.125522	0.16859	-6.60824	6.4453	6.450203	6.440242	5.935739	5.949389	5.743822	6.587536	6.67583	6.515583	8.140516	8.000012	8.082192	8.140582	8.089463	8.089367	7.7823	7.810193	7.786451
PRKRA	ENSG00000180228	0.248715	5.21538	4.366833	0.000396	0.000997	-0.81358	5.086148	5.181722	5.137743	5.591153	5.557954	5.461637	5.282018	5.323347	5.342774	5.109782	5.087685	5.037335	5.237136	5.213825	5.13383	5.340537	5.176796	5.29338
HERC2P3	ENSG00000180229	0.012324	0.698051	0.048502	0.961866	0.96853	-6.33823	3.142584	2.853456	3.384088	3.142765	3.033076	3.419122	3.388228	3.196885	2.959482	0.34397	0.640699	0.594297	0.294634	0.484926	0.533283	0.457048	0.504542	0.409347
ZNRF2	ENSG00000180233	-0.21779	2.777774	-2.307	0.033538	0.052029	-4.6094	3.142584	2.836538	2.966237	2.887595	2.881616	2.865864	2.724622	2.676938	2.892531	3.145032	3.023743	3.254982	2.902055	2.850343	2.98783	3.307556	3.277464	3.050576
ZNF816	ENSG00000180257	0.40778	2.631824	4.367032	0.000396	0.000997	-0.42507	1.927307	2.068355	2.018628	2.021307	2.03796	1.799787	1.762502	2.420731	1.962896	3.479955	3.682218	3.636224	4.151547	4.045377	4.024267	3.737235	3.651889	3.840032
FGD6	ENSG00000180263	-0.45574	5.388151	-5.32616	5.08E-05	0.000164	1.174231	5.288426	5.275715	5.267957	4.400654	4.376555	4.702062	4.402637	4.256466	4.122646	6.453384	6.428144	6.344338	6.15801	6.112879	6.078955	5.923967	6.059258	6.079643
OAZ2	ENSG00000180304	-0.26438	5.979989	-3.98385	0.000915	0.002096	-1.77152	6.239421	6.258705	6.234306	5.845818	5.72937	5.735705	6.143489	6.32478	6.208941	5.966378	5.939825	6.001619	5.798622	5.962621	5.898018	5.911246	5.917862	5.948712
ALX1	ENSG00000180318	0.983426	-1.69528	3.806172	0.001353	0.002953	-0.91024	1.519087	1.327092	1.585853	2.21912	2.193078	2.402038	1.867984	2.069791	2.202855	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
CCDC43	ENSG00000180329	-0.46553	5.598324	-8.31039	1.76E-07	1.26E-06	7.038219	5.954295	5.871329	5.783216	5.591153	5.454395	5.525804	5.824425	5.862728	5.819027	5.8117	5.721408	5.831609	5.318904	5.226323	5.168932	5.537346	5.405901	5.617869
MEIOC	ENSG00000180336	-0.94866	0.106345	-3.63062	0.00199	0.004187	-1.59438	0.814199	0.410755	0.219246	0.841981	0.625525	0.3528	0.548589	0.387194	0.256032	2.589954	2.741	2.558044	1.838325	1.393161	1.722572	2.300453	2.101639	2.252429
FZD2	ENSG00000180340	0.730535	2.363041	2.429269	0.02617	0.041703	-4.19119	3.026682	3.370829	3.500214	3.21869	3.47236	2.904994	3.094248	3.214961	3.124172	1.586365	1.55885	1.562415	2.892375	3.183414	3.064395	2.055273	1.707432	1.58715
TIGD2	ENSG00000180346	-0.08104	4.230024	-0.70672	0.489056	0.552082	-7.22746	3.895419	4.101775	4.065319	3.342644	3.242978	3.27721	3.941119	3.84524	3.641718	4.977839	4.939615	4.925267	5.090337	5.115127	5.131289	4.667743	4.81246	4.675424
HCLS1	ENSG00000180353	-0.40342	0.540957	-2.02216	0.05874	0.085949	-4.58564	1.519087	1.591918	1.358564	0.934951	1.006428	0.984419	1.317361	1.491012	1.50602	1.158593	1.403073	1.514616	1.548989	1.203912	1.247156	1.571317	1.072305	1.461048
MTURN	ENSG00000180354	0.768054	3.226604	4.723556	0.000183	0.000504	0.235722	3.300651	3.209365	3.408073	2.840308	3.033076	3.086148	2.340763	2.069791	2.309357	3.528929	3.554746	3.712353	4.673561	4.657043	4.76576	3.530961	3.537548	3.621636
ZNF609	ENSG00000180357	1.017255	6.632829	17.36705	1.83E-12	1.78E-10	18.78271	6.140075	6.210276	6.122779	7.243498	7.316996	7.372638	7.192076	7.121412	7.143075	5.907408	6.011708	5.773141	6.840417	6.723781	6.706165	6.624635	6.699045	6.529201
PAK2	ENSG00000180370	-0.25103	7.173115	-7.40049	8.74E-07	4.89E-06	5.211181	7.389472	7.400148	7.407672	7.152056	7.204085	7.253576	7.443134	7.361441	7.343327	7.179626	7.164563	7.181042	6.867843	6.888538	6.8713	7.077871	6.992047	7.125535
CCDC66	ENSG00000180376	0.094281	3.279133	0.905307	0.377614	0.442262	-6.72265	3.58303	3.260998	3.384088	3.605613	3.47236	3.485165	3.80164	3.633086	3.306673	3.367773	3.494263	3.093551	3.165832	3.503965	3.470269	3.218571	3.385297	3.444131
EMC3-AS1	ENSG00000180385	-2.02514	1.761774	-12.6136	3.29E-10	7.81E-09	13.59953	1.861169	1.849715	2.049454	1.022291	0.92021	1.526279	1.917967	1.658879	1.826075	3.520882	3.654848	3.573456	1.797417	1.793303	1.488568	3.152846	3.081525	3.291935
MCFD2	ENSG00000180398	0.208917	8.338521	3.294564	0.004156	0.008055	-3.49151	8.135753	8.131698	8.105506	8.620245	8.535172	8.591291	8.457271	8.507323	8.502326	8.270696	8.197286	8.244601	8.204562	8.201314	8.246679	8.427171	8.3525	8.445464
HARBI1	ENSG00000180423	0.118137	2.653344	1.31091	0.206852	0.26061	-6.12834	3.223781	2.982098	2.94999	3.255206	3.225109	3.335661	2.724622	2.777669	2.748518	2.736149	2.66072	2.806521	2.749557	2.756951	2.756856	2.719047	2.649824	2.706008
C11orf71	ENSG00000180425	0.537449	1.911085	5.484779	3.65E-05	0.000122	2.049857	1.475543	1.744817	1.585853	1.978268	1.666451	1.526279	0.886508	1.430416	1.0941	3.255856	3.195032	3.360144	3.809739	3.940055	3.767168	2.417026	2.568968	2.59029
GAS1	ENSG00000180447	1.835896	-0.95775	4.792366	0.000158	0.000442	1.070587	1.959273	1.744817	1.954926	3.605613	3.820593	3.711713	4.367093	4.397684	4.396744	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ARHGAP45	ENSG00000180448	0.01101	3.311022	0.131957	0.896526	0.915684	-7.44478	2.051128	2.039077	2.018628	2.063099	2.333126	2.455733	1.867984	1.901414	1.777424	4.769473	4.981528	5.170532	4.948071	5.000472	4.923833	5.134631	5.240838	5.06679
ZNF571	ENSG00000180479	0.572991	2.028793	2.658653	0.01627	0.027247	-3.80594	2.245129	2.206444	1.888281	1.393812	1.612488	2.132113	2.01302	2.220554	2.309357	2.574485	2.405511	2.25768	3.303673	3.162755	3.353069	2.568742	2.410923	2.724423
MIGA1	ENSG00000180488	0.077614	5.306722	0.847594	0.408122	0.473234	-7.23614	5.531062	5.291319	5.49208	5.547654	5.484749	5.59324	5.875913	5.730749	5.79784	5.183009	5.14044	5.172459	5.14231	5.246098	5.224807	4.882828	4.907602	4.96205
NRIP1	ENSG00000180530	0.051967	6.249015	0.838086	0.413297	0.478351	-7.42875	6.099415	6.041536	6.165618	5.960829	5.902377	5.921298	5.824425	5.640007	5.673738	6.59331	6.570429	6.522559	6.71148	6.771466	6.825679	6.504618	6.504055	6.611893
TSPYL5	ENSG00000180543	0.029965	2.611968	0.345344	0.733957	0.777231	-7.33804	1.519087	1.226787	1.406977	1.256461	1.164793	1.757653	0.782422	1.231675	1.244857	4.64911	4.771408	4.64632	4.731716	4.736081	4.688381	5.039116	5.036489	4.930673
H2AC6	ENSG00000180573	1.126995	4.904522	19.14036	3.62E-13	5.16E-11	20.47124	3.313074	3.439663	3.309643	4.456603	4.177232	4.315882	3.916741	3.809996	3.586306	5.591166	5.774826	5.742345	6.847949	6.840569	6.840528	5.856262	5.869726	5.826176
EIF2S3B	ENSG00000180574	0.198946	0.136232	0.695576	0.495839	0.558412	-6.51617	0.41387	0.499412	0.421314	0.395333	0.92021	0.106501	0.415731	0.106501	0.833554	2.543041	2.193623	2.136592	2.479079	2.642244	2.449456	2.652661	2.552239	2.760563
SKIDA1	ENSG00000180592	-0.04147	1.086992	-0.22742	0.822739	0.853044	-6.50405	2.798329	2.596389	2.641489	2.840308	2.762786	2.825643	1.70672	1.710758	2.127218	1.239286	1.152172	1.277453	0.869014	1.16289	1.08859	0.930351	0.816175	1.058313
H2BC4	ENSG00000180596	1.288161	1.224784	10.63061	4.70E-09	6.48E-08	11.05591	0.882475	0.940485	0.679585	1.688986	1.437317	1.840725	1.160105	1.367163	1.171446	2.100009	1.875739	1.839597	2.940139	2.784257	2.942182	2.417026	2.649824	2.277588
MB21D2	ENSG00000180611	-0.21144	4.188712	-2.6807	0.015535	0.026138	-4.13112	5.297832	5.161486	5.159101	4.944216	4.758354	4.854763	4.986526	4.87219	4.895553	3.560679	3.463043	3.579277	3.581798	3.576046	3.494191	3.552967	3.636099	3.650813
ZNF594	ENSG00000180626	1.021336	2.901273	14.18239	5.04E-11	1.95E-09	15.57214	2.021155	2.039077	1.921989	2.955742	3.073582	2.961768	2.545421	2.540248	2.501332	3.294134	3.356645	3.195594	4.135224	4.303069	4.01878	3.768919	3.698248	3.734962
PCGF5	ENSG00000180628	0.328694	4.827818	1.877577	0.077231	0.109649	-5.6069	6.244294	6.12924	6.259244	6.859189	6.703408	6.915629	6.675525	6.753634	6.694921	3.446357	3.517242	3.513924	3.031169	2.756951	2.99902	3.39949	3.485627	3.189613
YOD1	ENSG00000180667	-0.29901	5.281377	-5.01988	9.69E-05	0.000288	0.600007	5.653347	5.444322	5.332045	5.241304	5.059965	5.118843	5.490461	5.481041	5.424038	5.493793	5.35759	5.409798	5.083973	5.173088	5.229565	5.255863	5.193075	5.308717
TMEM64	ENSG00000180694	0.225179	6.257946	1.676902	0.111355	0.151497	-6.3688	6.365544	6.455753	6.434415	7.217131	7.092711	7.16064	6.689981	6.70969	6.619295	5.967858	6.019777	5.925985	5.623918	5.686883	5.654408	5.78677	5.780968	5.824043
SMG1P3	ENSG00000180747	0.36282	1.766127	2.961648	0.008549	0.015333	-3.08714	2.051128	1.883052	2.018628	2.359902	2.520598	2.346268	1.70672	2.069791	2.087859	2.263275	2.011405	2.152295	2.491955	2.084417	2.382676	2.247458	2.146913	1.942153
GPR157	ENSG00000180758	0.482284	5.490294	5.825369	1.82E-05	6.63E-05	2.2506	3.572735	3.505362	3.544167	4.392481	4.58706	4.651187	5.183289	5.155666	5.304656	6.145857	6.208082	6.081709	6.431353	6.446693	6.45307	7.376184	7.290724	7.357073
WDFY3-AS	ENSG00000180769	0.746165	0.42434	3.291557	0.004183	0.008103	-2.16945	0.587539	1.061904	0.598525	1.182548	0.828511	1.055701	1.317361	1.367163	1.244857	1.278001	1.435603	1.277453	1.711947	1.871771	1.876113	1.734264	1.16325	1.626848
SLC36A4	ENSG00000180773	-0.12484	4.12024	-0.97101	0.344791	0.408965	-6.8716	3.944154	3.888531	3.783005	4.190466	4.293254	4.420855	4.520565	4.38177	4.542164	4.35077	4.399113	4.324649	3.778549	3.933972	3.886451	4.23146	4.432969	4.38838
ZDHHC20	ENSG00000180776	0.585078	6.193959	10.41639	6.41E-09	8.23E-08	10.37745	5.266237	5.398948	5.261389	6.07247	6.091772	6.068583	6.051319	6.126568	5.926124	6.413731	6.281503	6.303608	6.788521	6.732569	6.828818	6.740233	6.7384	6.788555
ZFP3	ENSG00000180787	0.210784	0.514652	1.856962	0.080251	0.11335	-5.6146	0.216396	0.316291	0.323815	0.258133	0.25478	0.106501	0.106501	0.106501	0.256032	4.098381	4.237848	3.986493	4.470601	4.269646	4.265755	3.940112	4.11758	3.969186
ARSJ	ENSG00000180801	0.206943	5.087651	1.716754	0.103692	0.142358	-6.22782	4.688657	4.614695	4.531653	4.299384	4.061165	3.897801	4.174919	4.040332	3.946814	5.728536	5.843106	5.730625	6.27624	6.256285	6.196617	6.135629	6.062215	6.036078
MAP3K15	ENSG00000180815	0.46453	-0.84382	1.135898	0.271335	0.331518	-5.52439	1.642349	1.883052	1.62731	2.48816	1.909591	2.22781	1.317361	2.029503	1.918715	0.106501	0.259702	0.288049	0.171976	0.190544	0.186984	0.257084	0.358227	0.315289
PPA1	ENSG00000180817	0.119265	7.589068	2.307751	0.033487	0.051956	-5.43766	7.836122	7.835945	7.763069	8.138666	8.106662	8.083994	7.748676	7.774115	7.738339	7.366928	7.365233	7.35355	7.308199	7.312069	7.301776	7.222762	7.236779	7.253096
PSMG4	ENSG00000180822	0.018446	3.989639	0.244942	0.809354	0.841679	-7.40843	3.895419	3.741788	3.638424	3.376187	3.656958	3.510758	3.219115	3.26787	3.586306	4.537862	4.609763	4.665597	4.763924	4.615839	4.804542	4.598895	4.613145	4.477932
MAP6D1	ENSG00000180834	-0.33139	1.886969	-2.65106	0.016531	0.027616	-3.74454	2.080492	1.744817	1.888281	1.634586	2.078331	1.956998	2.186178	2.108984	2.005764	2.444376	2.646894	2.682227	2.129525	2.23054	2.294605	3.011667	2.854728	2.610232
ZNF443	ENSG00000180855	-0.00127	1.462783	-0.00922	0.992748	0.993655	-6.75279	1.561356	1.508929	1.54317	1.634586	1.718467	1.993763	1.867984	1.430416	1.50602	2.224158	2.469748	2.088428	2.009285	2.250257	2.10048	2.192442	2.254246	2.507643
PDIA3P1	ENSG00000180867	0.240089	1.919647	1.603758	0.126684	0.169918	-5.6989	1.791852	1.327092	1.78216	2.21912	1.437317	1.880533	2.01302	1.367163	1.50602	2.817246	2.935512	2.86487	3.066031	3.098942	3.021143	3.190769	2.429363	2.84714
GREM2	ENSG00000180875	1.748274	1.31564	5.854972	1.71E-05	6.32E-05	3.152735	5.616234	5.697188	5.68602	7.4701	7.368776	7.430773	7.022527	6.979267	7.102918	0.190076	0.106501	0.106501	0.234608	0.190544	0.106501	0.183756	0.19538	0.106501
SSR4	ENSG00000180879	0.550829	7.439838	9.570169	2.29E-08	2.32E-07	8.984444	7.730681	7.648745	7.665081	8.380471	8.480676	8.402108	8.06864	8.015614	8.055149	6.673544	6.637508	6.701987	7.039377	6.972543	7.024944	6.916787	6.850408	6.823142
CAPS2	ENSG00000180881	0.720642	1.215583	2.543359	0.020692	0.033758	-3.71233	1.990546	2.258179	2.018628	2.143217	1.953662	2.429135	2.340763	2.676938	2.588518	1.073118	0.986408	1.061592	2.009285	1.766169	2.07955	0.974502	1.072305	1.115245
ZNF792	ENSG00000180884	0.969872	1.295351	4.955081	0.000111	0.000325	1.198901	1.010037	0.661886	0.756332	1.933905	2.078331	1.475193	1.648695	1.760835	1.38134	2.078238	2.174476	2.021603	2.749557	2.50126	2.449456	2.509956	2.124453	2.326628
CUEDC1	ENSG00000180891	0.458763	5.904877	5.011851	9.86E-05	0.000292	0.450525	5.476884	5.460976	5.508813	5.598277	5.800478	5.671913	5.082792	5.028565	5.274297	6.059601	6.113234	6.09599	6.73062	6.694395	6.644261	6.541774	6.512728	6.469044
SCRIB	ENSG00000180900	-0.02119	7.372127	-0.23572	0.816389	0.84788	-7.86421	7.13865	7.172201	7.336029	6.844286	6.984017	6.804908	7.067511	6.869431	6.91751	7.481767	7.615115	7.741983	7.895807	7.801983	7.82551	7.934994	7.811511	7.62246
KCTD2	ENSG00000180901	0.855997	5.672695	10.43728	6.22E-09	8.07E-08	10.46808	4.375799	4.342481	4.424025	5.660858	5.589722	5.556848	5.527156	5.546744	5.577558	5.865123	5.870134	5.696222	6.500686	6.382256	6.429485	6.508377	6.409694	6.438695
D2HGDH	ENSG00000180902	0.096309	4.318533	0.829008	0.418278	0.483409	-7.08133	4.69816	4.706012	4.970641	4.517996	4.551652	4.226032	4.154215	4.316298	4.252911	4.098381	4.157244	4.231625	4.589193	4.612034	4.613913	4.103106	4.11758	4.150354
OXTR	ENSG00000180914	1.095091	3.262722	4.761376	0.000168	0.000469	0.131926	3.011517	2.784561	2.916938	1.256461	1.556428	1.367251	1.317361	1.710758	1.0941	4.641707	4.599033	4.830842	6.051137	6.099354	6.12437	5.018176	4.826442	4.934632
CMTR2	ENSG00000180917	-0.03987	5.097668	-0.85451	0.404382	0.469635	-7.24001	4.825019	4.937835	4.758481	4.938614	4.854473	4.874612	4.688362	4.866483	4.782996	5.501993	5.463921	5.435695	5.351063	5.443133	5.350253	5.473398	5.482955	5.518482
FAM83H	ENSG00000180921	0.010514	7.06559	0.085101	0.933148	0.945294	-7.88115	6.226345	6.35837	6.47472	5.746715	6.051781	5.894815	5.687041	5.711779	5.863407	7.833266	7.963877	8.044295	8.221332	8.223927	8.231935	8.466349	8.31177	8.129494
ZNF572	ENSG00000180938	0.09433	-0.2992	0.810382	0.428617	0.493636	-6.72685	0.216396	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	3.403229	3.524821	3.532043	3.449427	3.568213	3.665494	3.218571	3.449945	3.228839
ST20	ENSG00000180953	0.073129	0.537514	0.260409	0.797592	0.831632	-6.54908	0.318509	0.940485	0.964748	1.326771	1.164793	1.055701	1.389995	0.915275	0.735084	2.121457	2.011405	1.67541	1.597456	1.560439	1.801384	1.759719	1.613793	2.003758
PITPNB	ENSG00000180957	-0.20703	7.122094	-5.65296	2.58E-05	8.99E-05	1.722463	7.121978	7.144976	7.133336	6.907307	6.906253	7.011748	7.152173	7.260623	7.258353	7.265217	7.234986	7.265592	7.030579	7.020694	7.054071	7.170934	7.166381	7.285238
TCEAL8	ENSG00000180964	-0.02554	5.251251	-0.3828	0.706483	0.753741	-7.43125	6.431123	6.465415	6.392951	6.354972	6.387211	6.250487	6.138227	6.276108	6.385689	4.146251	4.077032	4.352105	4.294375	4.293598	4.315833	4.298124	4.211138	4.347382
LRRC57	ENSG00000180979	-0.21735	4.93996	-2.4045	0.027528	0.04356	-4.91087	5.32262	5.372784	5.274496	4.821743	4.745876	4.656929	5.233498	5.210752	5.220718	4.86157	4.784095	4.830842	4.92689	4.830791	4.952895	4.917167	4.907602	4.918728
MRPL14	ENSG00000180992	-0.54121	5.664224	-10.7343	4.06E-09	5.71E-08	10.90915	5.870624	5.82919	5.769395	5.1029	5.128856	5.106307	5.360933	5.525174	5.455304	6.100676	6.091707	6.162441	5.714599	5.704857	5.704825	5.985944	5.975466	5.904981
GPR137C	ENSG00000180998	1.457292	-0.07355	5.033448	9.42E-05	0.000281	1.414536	0.318509	0.106501	0.106501	0.841981	0.512209	0.563119	0.415731	0.509405	0.515351	1.865926	2.212518	1.951531	2.781373	3.032175	2.833866	2.26534	1.67689	1.81044
BBS12	ENSG00000181004	1.463588	1.693394	11.01246	2.74E-09	4.16E-08	11.54597	1.959273	1.631689	1.888281	3.162124	2.835252	2.980206	2.186178	1.945386	2.440135	1.555182	1.616737	1.387696	2.661114	2.533802	2.528806	1.599785	1.478665	1.877799
ZFP82	ENSG00000181007	0.060532	2.467722	0.570448	0.575635	0.633991	-6.87307	2.392887	1.883052	2.248556	1.978268	2.193078	1.993763	2.607661	2.147141	2.274723	3.102524	3.136872	3.305013	3.157774	3.338827	3.445943	3.501087	3.204393	3.340497
NQO1	ENSG00000181019	0.255669	9.992409	1.341506	0.196928	0.249475	-7.12409	10.22516	10.24448	10.19698	11.23586	11.24681	11.17076	10.91842	10.91518	10.8715	9.44857	9.372791	9.441641	8.800925	8.910968	8.872006	9.347678	9.306521	9.368364
AEN	ENSG00000181026	-0.86329	6.901169	-17.3047	1.94E-12	1.84E-10	18.71189	7.716138	7.730575	7.705562	6.773673	6.880799	6.750895	7.540081	7.446138	7.446121	6.829918	6.678008	6.801195	6.095052	5.854058	5.975122	6.749792	6.726333	6.764286
FKRP	ENSG00000181027	-0.17921	4.676982	-2.87843	0.010217	0.017991	-3.9312	4.730936	4.658672	4.874926	4.532944	4.831037	4.668345	4.695544	4.637703	4.801363	4.835851	4.784095	4.781207	4.518584	4.588991	4.599282	4.96719	4.884398	4.827974
RPH3AL	ENSG00000181031	-0.25206	4.905529	-3.41546	0.00319	0.006356	-2.79864	5.356021	5.355074	5.27123	5.12773	5.089893	5.167927	5.535185	5.506949	5.693539	4.652797	4.732663	4.806238	4.441025	4.450973	4.419411	4.598895	4.521577	4.494122
SLC25A42	ENSG00000181035	1.596485	0.788961	11.15968	2.23E-09	3.52E-08	11.63313	1.12723	0.8079	0.679585	1.688986	1.768674	1.475193	0.886508	1.367163	1.0941	1.199504	1.403073	1.248523	2.439743	2.433888	2.497588	1.759719	1.851139	1.665483
METTL23	ENSG00000181038	0.47502	4.217257	5.516244	3.42E-05	0.000115	1.835534	3.87042	4.210824	3.906009	4.612502	4.701332	4.460795	4.174919	3.913244	4.207726	4.098381	4.292151	4.382382	4.595172	4.642195	4.649854	4.46216	4.017531	4.143528
SLC26A11	ENSG00000181045	0.196757	4.469479	1.714628	0.104089	0.142763	-6.03741	4.2778	4.268725	4.042515	4.87551	4.854473	4.645422	4.666597	4.474723	4.680887	4.645413	4.702905	4.721931	4.704315	4.600559	4.464508	4.398766	4.357943	4.268007
HIGD1A	ENSG00000181061	-0.35703	5.173084	-6.35	6.37E-06	2.69E-05	3.386597	5.153322	5.030008	5.097747	4.910272	4.933626	4.946703	5.248226	5.048863	5.041756	5.610256	5.575777	5.607869	5.056064	5.231292	5.115953	5.371825	5.435851	5.442654
MAPK15	ENSG00000181085	1.632798	2.404982	20.71417	9.62E-14	2.01E-11	21.754	0.587539	0.940485	0.756332	1.457877	1.373859	1.714252	0.548589	1.001115	0.735084	4.332495	4.467566	4.246333	6.04896	5.819829	5.923201	4.515433	4.680124	4.806527
EHMT1	ENSG00000181090	0.102204	6.491834	1.921169	0.071174	0.101913	-6.04775	6.206505	6.255527	6.267462	6.125209	6.243717	6.168443	6.116986	5.999368	5.970082	6.725241	6.776532	6.770999	7.041568	6.92733	6.959146	6.914664	6.856383	6.833783
F2R	ENSG00000181104	0.824446	4.496407	4.200652	0.000569	0.001375	-1.00628	3.710582	3.912946	3.854572	4.40878	4.416469	4.454215	5.374422	5.348128	5.455304	4.048869	4.278766	4.108233	5.012045	5.043483	5.025827	4.473742	4.621188	4.632189
HLA-V	ENSG00000181126	-0.12828	-0.18928	-0.90486	0.377843	0.442459	-6.61541	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.39151	3.560679	3.761343	3.353367	3.429485	3.393046	3.470269	3.711377	3.728346	3.761956
ZNF707	ENSG00000181135	0.379507	4.146916	6.161656	9.24E-06	3.70E-05	3.077354	3.249862	3.286138	3.408073	3.392671	3.410458	3.432575	3.19904	2.848856	3.044176	5.099011	5.038233	5.141322	5.603298	5.487419	5.495593	5.180117	5.206502	4.977487
MUC16	ENSG00000181143	1.085792	3.74958	7.149577	1.39E-06	7.25E-06	5.027922	2.051128	2.283367	2.37563	2.661411	2.737798	3.27721	2.186178	2.568641	2.501332	5.198228	5.610027	4.598401	6.248053	6.108835	6.292956	4.507942	4.576385	4.749225
NPM1	ENSG00000181163	-0.43658	10.18794	-13.495	1.12E-10	3.53E-09	14.35269	10.87622	10.86937	10.82805	10.40948	10.33576	10.33416	10.63308	10.69963	10.66542	9.933456	9.852381	9.895506	9.483485	9.551266	9.530057	9.797594	9.827219	9.885085
PJA1	ENSG00000181191	0.836976	0.887621	2.371112	0.029462	0.046266	-3.82144	4.416666	4.12982	4.222364	5.176143	5.059965	5.050687	4.702691	4.771967	4.7071	0.269074	0.185134	0.230035	0.407676	0.484926	0.106501	0.393424	0.19538	0.214669
DHTKD1	ENSG00000181192	-0.09901	5.19346	-0.86729	0.397534	0.46274	-7.13447	5.946343	6.000355	6.153254	5.714295	5.690831	5.770552	6.281144	6.349536	6.284872	4.455814	4.47541	4.362268	4.604095	4.573423	4.628397	4.410866	4.288934	4.335451

H2AW	ENSG00000181218	0.560997	4.085842	2.155635	0.04532	0.068018	-5.31327	4.387594	4.522504	4.37619	3.20008	3.734793	3.18484	3.094248	3.285084	3.628063	4.299944	4.278766	4.392334	5.545796	5.564254	5.578118	4.213151	4.145732	3.856822
ZNF746	ENSG00000181220	-0.87883	5.154137	-9.65752	2.00E-08	2.08E-07	9.383842	6.176225	6.111769	6.200371	5.015132	5.171467	4.908703	5.856819	5.592401	5.646906	4.930021	4.987026	5.024594	4.390344	4.442428	4.431851	4.928434	4.965609	4.797858
POLR2A	ENSG00000181222	-0.46221	8.345481	-10.8529	3.43E-09	5.04E-08	10.88446	8.846139	8.858176	8.91666	8.379954	8.302031	8.511532	8.517276	8.421387	8.588133	8.372594	8.322426	8.299181	7.960062	7.818586	7.870375	8.064791	8.138725	8.115173
TLCD5	ENSG00000181264	-0.25442	1.551653	-0.87132	0.39539	0.46047	-6.17666	3.887134	3.732673	3.668523	3.020814	3.34578	3.168853	3.352323	2.848856	2.981126	0.609835	0.986408	0.884879	1.088368	1.591687	1.355599	0.837776	0.69947	1.222783
FRAT2	ENSG00000181274	0.419101	2.841248	4.151422	0.000634	0.001509	-0.83634	2.369288	2.49222	2.326135	2.864145	3.053471	3.216292	2.446718	2.981485	2.670735	3.303547	3.348126	3.406715	3.629193	3.487446	3.629946	3.094024	3.215061	3.267027
TMEM102	ENSG00000181284	0.810235	2.577547	8.573768	1.13E-07	8.73E-07	7.90235	2.505419	2.403106	2.469799	3.020814	2.835252	2.675323	2.186178	2.069791	2.239236	2.722179	2.829342	2.86487	3.60569	3.759216	3.6725	3.043104	3.022017	2.84714
ZNF322	ENSG00000181315	0.539545	3.780384	6.02609	1.21E-05	4.69E-05	3.006254	3.58303	3.39414	3.533304	4.236852	3.855857	4.186878	4.045989	3.90213	3.979442	3.864012	3.675424	3.712353	4.249584	4.089828	4.189664	3.906321	3.612085	3.945834
LRRC75A	ENSG00000181350	0.711079	0.100158	2.380366	0.028914	0.04553	-3.91715	1.010037	1.002471	0.421314	0.934951	1.087782	1.250575	1.389995	0.509405	0.925731	1.158593	0.695454	1.360915	1.667235	1.393161	1.247156	1.214313	1.513652	1.322858
DDX60L	ENSG00000181381	0.019576	5.905286	0.189586	0.851818	0.877509	-7.69762	6.318568	6.457138	6.311046	6.248061	6.081878	6.242871	5.850398	5.910652	5.735532	5.556156	5.698134	5.496937	5.74987	5.839488	5.750232	5.77121	5.814676	5.915037
SYNE4	ENSG00000181392	-0.25755	1.146032	-1.5253	0.145075	0.191077	-6.05715	1.12723	0.875715	0.756332	0.106501	0.25478	0.2349	0.269385	0.387194	0.39151	4.313985	4.296585	4.197974	4.25337	4.210485	4.109334	3.967679	4.111883	3.930053
OGFOD3	ENSG00000181396	0.055898	5.776513	1.357902	0.191768	0.243805	-6.79857	5.517707	5.538865	5.480815	5.514147	5.657909	5.628736	5.56294	5.443204	5.548858	5.946988	6.042395	6.160501	6.117038	6.069144	6.069697	6.087439	6.060737	6.02312
WASHC1	ENSG00000181404	-0.19802	3.124227	-1.79735	0.089579	0.125049	-5.61568	3.397161	3.472886	3.500214	2.688367	2.835252	2.865864	3.050103	2.702788	3.104585	3.629659	3.501964	3.513924	3.593793	3.544454	3.707028	3.43152	3.317614	3.364179
DDN	ENSG00000181418	-0.2807	0.10583	-0.92287	0.368639	0.433569	-5.95427	0.587539	0.736739	0.829201	0.52061	1.164793	1.250575	1.70672	0.915275	1.50602	1.352446	1.029669	1.49011	0.945898	0.888753	0.760679	1.512637	1.406038	1.58715
ZNF467	ENSG00000181444	1.663113	1.854359	5.968349	1.36E-05	5.20E-05	3.332804	3.210562	3.155816	3.231147	4.359318	4.500575	4.34463	3.879385	3.711575	3.968647	0.34397	0.462741	0.726056	2.044674	2.127698	1.970087	1.017342	0.975239	0.93723
SOX2	ENSG00000181449	0.901807	3.887821	3.107494	0.006241	0.01161	-3.25205	2.833249	2.636038	2.933559	5.147291	4.836932	4.983728	4.264577	4.138304	4.313883	4.048869	4.092415	4.096105	3.974777	3.970091	3.974116	4.005409	3.929587	3.770842
ZNF678	ENSG00000181450	-0.49556	3.968678	-5.95926	1.38E-05	5.28E-05	2.843571	4.186225	4.036608	4.065319	4.052041	3.912781	3.888069	4.068294	4.166444	4.063004	4.341661	4.314187	4.282459	3.629193	3.710228	3.608189	4.199264	4.2788	4.317368
TMEM45A	ENSG00000181458	1.808691	2.75639	10.53286	5.41E-09	7.28E-08	10.94708	0.947665	1.118985	1.088647	3.162124	3.093416	3.335661	2.144798	2.290412	2.440135	2.856146	3.373534	2.87437	4.427684	4.455227	4.377153	4.406844	4.473517	4.311289
RAP2B	ENSG00000181467	-0.27677	5.504778	-3.14946	0.005699	0.010692	-3.53517	5.768329	5.685425	5.852589	5.26388	4.922581	5.219282	5.30568	5.228657	5.304656	5.647693	5.732906	5.808257	5.707717	5.711984	5.715039	5.643712	5.653435	5.507891
ZBTB2	ENSG00000181472	-0.12413	4.59462	-1.52769	0.144485	0.190388	-6.34569	4.179456	4.204245	4.262385	4.333937	4.416469	4.512384	4.454362	4.533523	4.782996	4.896201	4.910981	5.056239	4.755939	4.529722	4.677975	5.062316	5.089629	5.157678
RNF135	ENSG00000181481	1.49504	4.732808	20.51878	1.13E-13	2.33E-11	21.59036	4.559062	4.490417	4.59048	5.839819	5.876854	5.911724	5.771031	5.730749	5.785592	3.358771	3.330936	3.353367	4.878679	4.882244	4.897167	4.466031	4.298997	4.370952
ACBD4	ENSG00000181513	0.009854	3.246561	0.04811	0.962174	0.968772	-6.99262	4.988842	4.937835	4.962565	4.569652	4.688349	4.543715	4.31208	4.421231	4.279358	2.100009	1.8028	1.969371	2.921223	2.686334	2.795875	2.115663	2.146913	2.033602
SGSH	ENSG00000181523	0.495486	5.489083	8.785871	7.98E-08	6.56E-07	7.821838	4.516725	4.47956	4.44736	4.701197	5.094821	5.033133	4.812472	4.630987	5.005251	5.986972	6.068559	6.144887	6.624255	6.48776	6.569296	6.29319	6.318652	6.275002
FANCB	ENSG00000181544	-2.03401	1.505746	-5.28362	5.55E-05	0.000177	1.955447	2.137484	2.152784	2.049454	1.74141	1.953662	1.840725	2.226405	2.389238	2.239236	2.856146	3.065914	2.592986	0.656707	0.938214	0.533283	2.539649	2.410923	2.570068
SETD2	ENSG00000181555	-0.08913	6.548726	-1.49207	0.15351	0.200905	-6.69553	6.62668	6.653448	6.681965	6.529092	6.415061	6.677936	6.662755	6.728687	6.688357	6.597143	6.675457	6.372265	6.421291	6.548742	6.45307	6.465512	6.344388	6.62175
C6orf223	ENSG00000181577	-0.09941	1.308604	-0.29571	0.770937	0.809827	-6.87782	0.318509	0.582935	0.323815	1.688986	1.556428	1.526279	0.548589	1.082132	0.629397	2.749986	3.278101	2.974933	2.55467	2.533802	2.604018	4.276243	4.486784	4.274271
MEX3D	ENSG00000181588	0.913876	3.965299	9.950932	1.28E-08	1.46E-07	9.908141	2.917019	3.07157	2.933559	3.503067	4.020303	3.655458	3.158032	3.214961	3.199964	4.266643	4.251617	4.536922	5.26928	5.263181	5.260115	5.215041	4.917433	4.694231
MRPS23	ENSG00000181610	-0.43825	6.825952	-7.39841	8.78E-07	4.90E-06	5.228898	7.239718	7.224344	7.111591	6.500859	6.561094	6.60109	6.714937	6.803764	6.655081	7.07083	6.956138	6.971302	6.736719	6.743045	6.729026	6.831585	6.866568	6.787461
GPR135	ENSG00000181619	-0.88694	0.405052	-3.83207	0.001278	0.002808	-0.94962	2.296082	2.179863	2.274882	1.256461	1.666451	1.840725	1.917967	1.988058	2.127218	0.934589	0.89579	0.921995	0.5125	0.484926	0.862212	1.099384	0.69947	0.497646
TNFSF15	ENSG00000181634	0.336622	0.255113	1.744331	0.098661	0.136218	-5.43946	0.318509	0.215206	0.219246	0.635873	0.730585	0.2349	0.106501	0.622068	0.39151	2.906434	3.146729	2.920951	3.221013	3.183414	3.126936	2.317694	2.410923	2.528753
ZFP41	ENSG00000181638	0.281033	3.978172	4.098108	0.000712	0.001674	-1.32147	3.142584	2.870177	3.162305	3.083078	3.033076	3.168853	2.908934	2.420731	2.846105	5.035466	5.087685	5.097381	5.413307	5.361637	5.418515	5.280253	5.292118	5.21089
PHLDA2	ENSG00000181649	-0.83742	4.95469	-5.97596	1.34E-05	5.13E-05	2.637365	4.645102	4.83937	4.98267	3.472378	3.560502	3.523386	4.293266	4.050434	4.459769	5.759646	5.818649	6.118149	5.311659	5.201218	5.352435	6.51119	6.291189	6.048921
ATG9B	ENSG00000181652	-0.3642	0.089636	-1.3495	0.194399	0.246798	-6.04021	0.587539	0.8079	0.964748	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.265521	3.278101	3.109727	3.031169	3.301515	3.244428	2.679583	2.99751	3.149291
ZNF875	ENSG00000181666	0.777169	4.662632	7.803193	4.25E-07	2.64E-06	6.213392	3.156438	3.370829	3.190238	4.227693	4.051057	4.162865	4.185161	4.405576	4.404775	5.213289	5.288033	5.247482	5.957922	5.984858	5.884506	5.457931	5.507029	5.513196
PLAG1	ENSG00000181690	0.8562	0.003691	4.797406	0.000156	0.000437	0.66025	0.106501	0.106501	0.106501	0.106501	0.25478	0.3528	0.415731	0.106501	0.256032	3.331423	3.455132	2.902498	3.757374	4.028349	3.933868	3.462853	3.440885	3.487904
YIPF6	ENSG00000181704	0.204097	6.97748	2.376801	0.029124	0.04582	-5.24273	7.056066	6.964035	6.997657	7.434719	7.253404	7.316604	7.73915	7.724504	7.715923	6.602872	6.554781	6.574477	6.667463	6.658876	6.616376	6.647826	6.610913	6.680701
DIPK2A	ENSG00000181744	0.75684	3.766369	3.21913	0.004898	0.009334	-2.89954	3.465529	3.114308	3.204003	4.827817	4.795153	4.76722	4.673889	4.771967	4.694053	3.091698	3.373534	3.269454	3.02232	3.263212	3.106389	4.203908	4.184245	4.115895
MACIR	ENSG00000181751	-0.44162	5.403073	-6.6217	3.76E-06	1.71E-05	3.937501	5.987614	6.07618	6.015627	5.456512	5.554381	5.584228	6.130298	6.025209	5.895106	5.276793	5.235883	5.243822	4.878679	4.875912	4.87608	4.919992	4.946531	4.938581
AMIGO1	ENSG00000181754	0.164631	1.519412	0.808161	0.429861	0.494868	-6.25906	2.369288	2.068355	2.049454	2.325974	2.333126	2.258349	3.072345	2.981485	3.084728	1.490718	1.699433	1.277453	1.524131	1.393161	1.695314	1.734264	1.368306	1.370407
GPR3	ENSG00000181773	-2.31933	1.712546	-14.1125	5.46E-11	2.08E-09	15.21125	2.780548	2.802095	2.514675	1.688986	0.92021	1.310092	1.70672	1.430416	1.50602	3.629659	3.398501	3.373604	1.473091	1.357245	1.639204	2.494877	2.568968	2.59029
SIAH2	ENSG00000181788	0.025468	5.037795	0.402579	0.692139	0.739878	-7.51218	4.855064	4.885335	4.822347	4.674482	4.776871	4.580436	4.914487	4.981823	5.021009	5.264796	5.217293	5.332646	5.413307	5.489494	5.345877	5.344748	5.307153	5.271631
COPG1	ENSG00000181789	0.265744	7.720133	6.842638	2.46E-06	1.19E-05	4.099906	7.846842	7.892799	7.872709	8.221162	8.189624	8.235585	7.85674	7.852707	7.895484	7.461938	7.330517	7.380467	7.574979	7.608841	7.552101	7.403188	7.438578	7.477996
LINC00471	ENSG00000181798	-1.29828	-0.14229	-4.37309	0.00039	0.000985	0.17732	1.642349	1.226787	1.499186	0.635873	0.730585	0.461789	1.074544	0.726566	0.515351	1.158593	1.300837	1.027938	0.656707	0.837535	0.707101	1.387593	1.478665	0.999041
LSM10	ENSG00000181817	0.452062	5.212013	7.996545	3.03E-07	1.99E-06	6.552112	5.139438	5.05216	5.090354	5.654037	5.654575	5.671913	5.69064	5.656635	5.757647	4.806358	4.699561	4.847819	5.160571	5.051933	5.108223	5.19652	5.279468	5.033946
RELL1	ENSG00000181826	0.2176	1.119704	0.905865	0.377326	0.441962	-6.15341	1.475543	1.508929	1.706811	2.021307	2.333126	2.429135	1.762502	2.184314	1.962896	1.555182	1.55885	1.969371	1.308151	1.320413	1.488568	1.482378	1.406038	1.170016
RFX7	ENSG00000181827	0.255407	4.940734	4.353183	0.000408	0.001022	-0.76239	5.269428	5.237561	5.319453	5.536571	5.518152	5.617001	5.469665	5.439365	5.296047	4.501517	4.616873	4.268117	4.662213	4.722029	4.599282	4.519164	4.588743	4.656368
SLC35C1	ENSG00000181830	0.397037	4.980985	4.664811	0.000207	0.000563	-0.13024	4.992709	5.026283	5.090354	5.580401	5.60362	5.458352	4.812472	4.765849	4.795267	4.772865	4.68948	4.87173	5.172618	5.020703	5.023089	4.925625	4.884398	5.022829
RNF41	ENSG00000181852	-0.10133	6.036246	-1.75987	0.09592	0.132924	-6.23096	6.387736	6.380424	6.403429	6.102842	6.135476	6.044692	6.190001	6.265306	6.174129	5.927333	5.92128	5.878389	6.004721	5.971557	5.960886	5.769645	5.825159	5.720055
IBA57	ENSG00000181873	-0.41708	4.435172	-3.42097	0.003152	0.006286	-2.67971	5.237197	5.161486	5.152017	4.272916	4.384626	4.454215	5.032629	5.013152	5.229787	4.146251	4.127684	4.159641	4.167687	4.034047	4.213876	4.036981	4.211138	4.073428
CLDN7	ENSG00000181885	-0.24868	5.64324	-1.72815	0.101587	0.13977	-6.30088	4.574623	4.468622	4.621585	2.91067	3.073582	2.94309	4.111894	4.166444	4.288067	7.471365	7.407869	7.455959	7.458447	7.505983	7.489511	7.608886	7.601422	7.541039
ZNF329	ENSG00000181894	0.350137	4.094298	4.775042	0.000164	0.000457	0.257588	3.701161	3.505362	3.65856	3.647423	3.616407	3.991672	3.988671	4.138304	3.935772	4.377757	4.278766	4.358889	4.795429	4.736081	4.719156	4.700972	4.563921	4.577525
ZNF101	ENSG00000181896	-0.42201	2.799923	-4.30368	0.000454	0.001125	-0.44377	3.128595	2.982098	3.204003	2.864145	2.835252	2.825643	2.607661	2.871824	2.798137	3.284659	3.232543	3.218152	2.83289	2.913535	2.716753	3.094024	3.171908	3.455199
OR4C6	ENSG00000181903	-0.14053	-1.48148	-0.91415	0.373078	0.437851	-6.15533	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.18395	1.989662	2.055402	1.838325	1.897007	1.900186	1.627702	1.513652	1.322858
C5orf24	ENSG00000181904	-0.14766	6.936197	-1.92534	0.070616	0.101207	-6.05252	7.279035	7.207172	7.208672	7.185552	7.141159	7.182701	7.551012	7.541439	7.48167	6.770066	6.757358	6.754375	6.51495	6.547747	6.512841	6.423327	6.539501	6.479923
ADO	ENSG00000181915	-0.43235	5.724477	-9.31276	3.42E-08	3.23E-07	8.741564	6.585029	6.571467	6.566826	6.183212	6.18946	6.070736	6.259498	6.145542	6.19974	5.409124	5.366053	5.445288	4.917376	5.063124	5.006551	5.212738	5.269267	5.12686
COA4	ENSG00000181924	-0.16633	6.474507	-4.63281	0.000222	0.000599	-0.43327	6.201502	6.252341	6.176132	6.030952	6.152121	6.079314	5.843949	5.907876	5.961941	7.068071	7.026565	7.047283	6.854195	6.836498	6.878891	6.829332	6.875001	6.832722
PRKAG1	ENSG00000181929	0.408702	6.544553	6.431604	5.43E-06	2.34E-05	3.382486	6.647676	6.599315	6.58929	6.931482	6.740045	6.859464	6.827098	6.73653	6.835226	6.171788	6.134444	6.147827	6.713543	6.663479	6.754009	6.219429	6.24509	6.278122
GINS3	ENSG00000181938	-1.45796	4.020764	-6.17646	8.97E-06	3.61E-05	3.381153	4.693417	4.733688	4.715879	4.132759	4.258538	4.202668	4.723921	4.831761	4.694053	4.493314	4.390842	4.569452	2.452975	2.363215	2.200805	4.386563	4.304002	4.261717
CCDC149	ENSG00000181982	0.24603	4.296818	2.772659	0.012794	0.021993	-4.12366	4.29042	4.275018	4.222364	4.272916	4.240862	4.30129	3.66196	3.868266	3.572114	4.525848	4.490971	4.466439	4.818614	4.925808	4.817241	4.67445	4.672404	4.622403
MRPS11	ENSG00000181991	-0.1443	5.229144	-2.552	0.020324	0.033239	-4.70077	5.379837	5.343146	5.41428	5.020445	5.166794	5.093661	5.37889	5.169636	5.211591	5.404758	5.301333	5.348069	5.397996	5.31559	5.215244	5.235596	5.292118	5.144062
SNRPE	ENSG00000182004	-0.55626	6.873406	-8.58288	1.12E-07	8.62E-07	7.366896	7.460293	7.47448	7.384436	6.607092	6.660839	6.676523	6.968703	7.013235	6.899152	6.988601	6.926403	6.898099	6.518888	6.67811	6.609092	6.720114	6.744856	6.724815
RTKN2	ENSG00000182010	-0.8364	2.839119	-6.43199	5.43E-06	2.34E-05	3.975551	2.526909	2.61635	2.720234	2.063099	1.768674	2.098749	2.724622	3.160038	3.064594	3.901688	4.056262	3.843887	3.125084	3.120528	3.21594	3.462853	3.620134	3.945834
CHST15	ENSG00000182022	0.628347	6.023764	14.0146	6.10E-11	2.28E-09	15.20172	5.278958	5.234335	5.281005	6.007062	6.066908	6.049065	5.827697	5.874148	5.716303	6.054035	6.101878	6.0621	6.594714	6.603423	6.561769	6.552737	6.506228	6.485333
IDH2	ENSG00000182054	0.088079	5.002526	0.809769	0.42896	0.493951	-7.27324	4.158957	4.383825	4.394314	4.190466	4.455308	4.379778	4.730929	4.9659	4.90124	5.645844	5.54815	5.708223	5.692458	5.760913	5.746917	5.420516	5.408227	5.448204
OGFRP1	ENSG00000182057	-0.72732	0.030224	-3.02094	0.007525	0.013705	-2.72934	1.235614	1.002471	1.028027	0.52061	0.730585	0.461789	0.269385	0.726566	0.629397	1.732907	1.55885	1.562415	1.27873	1.203912	1.423614	1.880661	1.329561	1.626848
TMEM259	ENSG00000182087	0.135705	7.081148	2.413217	0.027043	0.042887	-5.19863	7.021473	7.084463	7.212082	7.180814	7.276361	7.155579	7.366457	7.143995	7.365098	6.74524	6.886514	6.996533	7.034435	7.019976	7.083935	7.081661	7.129499	6.875578
GET1	ENSG00000182093	0.042995	4.53349	0.687911	0.500537	0.562813	-7.21951	4.532747	4.424018	4.509652	4.797189	4.739596	4.543715	4.702691	4.753535	4.726452	4.549776	4.5846	4.560653	4.543538	4.433832	4.488525	4.67445	4.473517	4.703543
TNRC18	ENSG00000182095	-0.15177	7.64872	-1.98534	0.063026	0.091572	-6.01094	8.095419	8.150643	8.285819	7.711776	7.926272	7.745015	8.129569	8.048747	8.153146	7.059068	7.214627	7.302125	7.303641	7.24793	7.269797	7.481292	7.438009	7.253096
TMEM30B	ENSG00000182107	0.086211	1.279567	1.12654	0.275167	0.335606	-6.96809	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.39151	6.405012	6.473889	6.472617	6.457847	6.59381	6.53895	6.768721	6.825388	6.600722
DEXI	ENSG00000182108	0.329893	4.862839	3.83173	0.001279	0.002809	-1.9277	5.114814	4.992316	4.921495	5.363409	5.507103	5.338414	4.651903	4.877874	4.91817	4.68196	4.555295	4.606974	4.888451	4.78759	4.958638	4.969919	4.747809	4.572451
NA	ENSG00000182109	0.027963	0.409379	0.14415	0.887031	0.907549	-6.66229	0.41387	0.736739	0.756332	1.104644	0.625525	0.657796	0.886508	0.622068	0.515351	2.204194	2.42184	2.038602	2.25569	1.921808	2.200805	1.512637	1.737342	2.091498
NOP10	ENSG00000182117	-0.07803	7.112554	-1.98221	0.063403	0.092036	-5.9831	7.365071	7.417317	7.3329	7.272735	7.213179	7.218088	7.314921	7.183546	7.23377	6.968031	6.924255	6.950683	6.882587	6.953124	6.947642	6.997238	7.063147	6.982725
FAM89A	ENSG00000182118	-0.27104	4.009771	-3.32372	0.003899	0.007616	-2.74912	4.945613	5.026283	4.954444	4.660937	4.688349	4.894191	4.980658	4.657666	4.967798	3.659289	3.562131	3.507833	3.388755	3.183414	3.19663	3.245848	3.160915	3.364179
TDRKH	ENSG00000182134	0.126261	4.028335	1.57147	0.134	0.178404	-6.22449	3.58303	3.370829	3.162305	3.456785	3.225109	3.405543	3.571163	3.956862	3.543305	4.806358	4.729387	4.615496	4.876225	4.827513	4.90611	4.677792	4.744131	4.827974
ZNF708	ENSG00000182141	0.176335	2.441522	1.735703	0.100212	0.138172	-5.55974	2.483604	2.283367	2.492412	2.103714	2.520598	2.22781	2.480375	2.357042	2.087859	3.013555	3.065914	2.796562	3.296351	3.131201	3.244428	3.073871	2.985098	3.006111
IST1	ENSG00000182149	0.145874	7.130485	3.672532	0.001815	0.003859	-2.5906	7.032784	6.941466	7.057645	7.085173	7.029769	7.144381	7.17676	7.099686	7.023006	7.124262	7.136392	7.148135	7.380092	7.312069	7.318063	7.155435	7.148406	7.226695
ERCC6L2	ENSG00000182150	-0.01022	4.573059	-0.18522	0.855185	0.880405	-7.50024	4.410898	4.484999	4.476008	4.245952	4.416469	4.473866	4.122591	4.45204	4.420702	4.960093	4.919631	4.857431	4.982695	4.866361	4.947129	4.902958	4.725598	4.771534
MRPL41	ENSG00000182154	0.245918	5.264826	3.025968	0.007444	0.013573	-3.73605	5.403266	5.533626	5.503257	5.517909	5.791399	5.538302	5.365443	5.21525	5.265504	4.883704	4.872886	5.236474	5.333285	5.347976	5.339289	5.28245	5.138081	4.898598
CREB3L2	ENSG00000182158	1.019924	6.820049	7.930604	3.40E-07	2.19E-06	6.248031	6.191444	6.290111	6.122779	7.724041	7.710458	7.675998	7.677914	7.66493	7.741513	6.077544	6.157786	5.894818	6.530636	6.555692	6.567418	6.763226	6.804349	6.872485
TP53TG1	ENSG00000182165	0.735366	3.090325	5.781748	1.98E-05	7.15E-05	2.700019	3.562366	3.58855	3.454879	4.43289	4.231942	4.279122	3.523527	3.335526	3.254305	2.494552	2.372288	2.604447	3.091636	2.925848	3.075009	2.935534	2.784842	2.912845
TSEN54	ENSG00000182173	-0.2325	4.943016	-2.97739	0.008264	0.014881	-3.84726	4.416666	4.457599	4.492928	4.299384	4.544465	4.218286	3.879385	4.147745	4.103038	5.745902	5.770051	5.819366	5.533393	5.546423	5.469685	5.914083	5.761087	5.826176
RGMA	ENSG00000182175	1.011366	-1.55963	4.267793	0.000491	0.001208	0.023531	1.894617	1.631689	1.818408	2.548252	2.57804	2.455733	1.459147	1.901414	1.727075	0.106501	0.106501	0.106501	0.171976	0.190544	0.106501	0.106501	0.106501	0.106501
UBA7	ENSG00000182179	0.227777	2.652228	1.738354	0.099733	0.137577	-5.84062	2.19231	1.978677	2.248556	1.74141	1.768674	1.123626	2.01302	1.082132	1.620777	4.252132	4.23323	4.09204	4.607058	4.529722	4.539229	3.775173	3.84969	3.930053
MRPS16	ENSG00000182180	-0.42233	6.782623	-6.90549	2.19E-06	1.07E-05	4.312787	7.672213	7.69582	7.698894	7.107814	7.047672	7.066704	7.254198	7.24091	7.316974	6.448088	6.31358	6.488169	6.209593	6.167044	6.24559	6.179906	6.121538	6.076062
RAD51B	ENSG00000182185	-0.51435	2.245208	-5.40447	4.31E-05	0.000142	1.982867	2.725848	2.470453	2.514675	1.840866	1.953662	1.956998	1.867984	2.255906	2.202855	3.091698	2.958081	3.157196	2.770846	2.714997	2.756856	2.901634	2.770449	2.863849
LDOC1	ENSG00000182195	0.382784	6.294405	4.319787	0.000439	0.001091	-1.10139	6.239421	6.224976	6.285377	6.254839	6.265735	6.248587	5.719113	5.75257	5.875015	6.237104	6.24984	6.418451	6.998791	6.94936	6.931672	6.370608	6.402712	6.224144
EXT1	ENSG00000182197	0.488148	7.76294	10.34032	7.17E-09	9.02E-08	10.13933	7.168867	7.219459	7.158299	7.646265	7.63465	7.68305	7.640257	7.557466	7.596552	7.819389	7.797078	7.915638	8.341142	8.327908	8.350523	8.069251	7.966335	7.967903
SHMT2	ENSG00000182199	-0.74017	7.986105	-16.1961	5.78E-12	4.20E-10	17.53468	8.589216	8.548817	8.61402	7.897217	7.948903	7.999517	8.807302	8.770181	8.786707	7.900329	7.752585	7.864718	7.018949	6.968829	7.004963	7.769043	7.779526	7.844428
MOB2	ENSG00000182208	0.248112	4.101554	3.021204	0.00752	0.013699	-3.54483	3.999005	3.96057	3.987862	3.898911	3.832443	4.121933	4.079318	3.868266	4.021828	4.438829	4.147458	4.205521	4.630539	4.711399	4.554478	4.450484	4.237539	4.223386
ATP6AP2	ENSG00000182220	0.618039	7.53273	14.16418	5.14E-11	1.97E-09	15.29244	7.626907	7.630457	7.570615	8.4187	8.241655	8.329361	7.923258	7.93884	7.973143	6.92141	6.900419	6.901587	7.408385	7.439373	7.394729	7.008562	7.108911	7.006433
CYB5D1	ENSG00000182224	0.496569	1.810833	4.280534	0.000478	0.001177	-0.31752	2.109269	1.670392	1.706811	1.978268	2.117603	2.374422	1.648695	1.945386	2.087859	2.282443	2.115463	2.369387	2.55467	2.756951	2.743612	2.432936	2.392244	2.200755
BACE2	ENSG00000182240	1.105794	1.428562	5.137755	7.55E-05	0.000231	1.748622	6.865747	6.985297	6.907989	8.010358	8.032187	8.0533	7.672464	7.687762	7.610506	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.183756	0.106501	0.106501
UBE2E2	ENSG00000182247	-0.01314	4.068278	-0.15552	0.878196	0.900385	-7.33311	4.600191	4.609725	4.547936	4.359318	4.284653	4.241401	4.235306	4.373746	4.380548	3.812196	3.924944	3.946523	4.097807	4.127629	4.150058	3.730814	3.735773	3.660409
SYNM	ENSG00000182253	-0.26605	6.610743	-1.95999	0.066139	0.095501	-5.92699	7.412746	7.439194	7.462387	7.605305	7.63803	7.671041	7.421639	7.413245	7.359944	6.151081	6.210434	6.167279	5.389419	5.381888	5.255457	5.805224	5.68063	5.861964
FIGN	ENSG00000182263	0.188047	3.942137	1.528334	0.144325	0.190207	-6.21711	4.029438	3.968357	3.845818	3.921807	3.670226	3.733615	4.045989	3.82184	4.132351	4.217694	4.147458	4.167389	4.583188	4.537767	4.519937	3.70484	3.896833	3.734962
B4GALNT4	ENSG00000182272	1.077276	3.972688	6.651661	3.55E-06	1.62E-05	4.185711	3.498536	3.260998	3.668523	4.254996	4.675247	4.480358	3.277716	3.302095	3.289427	3.528929	3.860515	3.872611	4.813494	4.840579	4.722535	4.897235	4.73304	4.341429
AP1S2	ENSG00000182287	-0.22719	3.761019	-1.9623	0.065849	0.09515	-5.51903	3.498536	3.494617	3.25779	3.827958	3.225109	3.405543	3.277716	3.335526	3.271973	4.443094	4.274276	4.257266	4.055062	4.095289	3.87435	4.661004	4.725598	4.753714
C8orf33	ENSG00000182307	-0.61092	7.203305	-12.0297	6.94E-10	1.41E-08	12.60562	7.413467	7.383501	7.406184	6.608857	6.77884	6.655165	7.012497	7.096033	6.994023	7.574107	7.55485	7.57689	7.053561	7.067984	7.0534	7.5371	7.51287	7.566143
SPACA6	ENSG00000182310	0.826049	1.759168	4.13088	0.000663	0.001572	-0.6369	1.642349	2.332462	2.166567	1.888135	2.078331	2.258349	1.459147	1.988058	2.165532	2.078238	2.095243	1.896649	3.039964	3.152313	2.870883	1.880661	1.82352	2.091498
ZSCAN22	ENSG00000182318	-0.21275	3.221201	-3.16522	0.005507	0.010375	-3.06566	2.90065	3.128277	2.966237	2.661411	2.660129	2.741673	3.027514	3.002451	2.869505	4.043261	3.767745	3.91004	3.663745	3.813238	3.81227	3.994729	3.967936	3.961444
KCNJ14	ENSG00000182324	-0.58285	1.226177	-3.1964	0.005146	0.009754	-2.45982	2.165157	1.708084	2.049454	1.978268	1.718467	1.669505	1.917967	1.945386	1.445026	2.224158	1.875739	1.896649	1.667235	1.282615	1.284217	1.85727	1.645686	1.461048
FBXL6	ENSG00000182325	0.41832	4.410188	6.354876	6.31E-06	2.66E-05	3.460322	3.476616	3.516026	3.698006	4.031135	4.204846	4.121933	3.523527	3.431409	3.759121	5.068969	5.179378	4.979091	5.485908	5.338797	5.424752	5.293385	5.176796	5.091828
C1S	ENSG00000182326	1.814731	2.512392	5.260869	5.82E-05	0.000184	1.987905	6.355069	6.492668	6.317392	8.207833	8.226579	8.307623	7.14956	7.146352	7.246114	0.34397	0.185134	0.54756	0.352262	0.26996	0.263213	0.393424	0.358227	0.409347
KBTBD3	ENSG00000182359	0.781911	1.547261	8.513216	1.25E-07	9.48E-07	7.879552	1.475543	1.327092	1.30847	1.933905	1.996426	1.840725	1.317361	1.549165	1.445026	2.263275	2.174476	2.120715	2.694919	2.784257	2.942182	2.300453	2.48331	2.326628
YBEY	ENSG00000182362	0.313029	3.634427	3.661302	0.00186	0.003947	-2.0856	3.385444	3.57841	3.55495	3.487804	3.734793	3.678224	3.238915	3.431409	3.498982	3.666603	3.884278	4.15575	4.275881	4.279275	4.320301	3.848182	3.667508	3.856822
CLN8	ENSG00000182372	1.087058	6.125907	3.612153	0.002072	0.004342	-2.45364	6.262023	6.39205	6.309455	7.933579	7.901172	7.947169	8.665455	8.635742	8.608701	4.75239	4.722812	4.681918	4.650776	4.476309	4.772296	4.871197	4.744131	4.562249
NXPH4	ENSG00000182379	0.214777	2.198127	0.989524	0.335909	0.399762	-6.20561	2.548084	2.870177	3.029452	3.083078	3.560502	3.216292	3.904396	4.184903	4.17992	1.676063	1.875739	1.73919	1.573426	1.495836	1.320349	1.948641	2.054898	1.81044
CACNB4	ENSG00000182389	0.261096	-0.15207	1.103204	0.284897	0.346021	-5.93115	0.503316	0.410755	0.323815	0.841981	0.92021	0.909432	0.269385	0.509405	0.515351	1.814181	1.851833	1.60868	1.498836	1.528499	1.923865	1.542275	1.329561	1.058313
TRAPPC6B	ENSG00000182400	-0.121	5.181727	-1.7031	0.106265	0.145421	-6.21033	5.282121	5.134056	5.11242	4.720913	4.752128	4.834637	5.032629	5.117737	5.015776	5.432908	5.448064	5.507659	5.490727	5.510085	5.563117	5.371825	5.401238	5.284099
PGBD4	ENSG00000182405	0.029489	2.909161	0.31282	0.758119	0.798838	-6.96796	3.551922	3.370829	3.204003	3.441022	3.225109	3.335661	3.405851	3.250449	3.528681	2.930935	2.646894	2.902498	2.986372	2.770668	2.95373	2.679583	2.799093	2.81313
NPLOC4	ENSG00000182446	0.630153	8.042392	9.132345	4.55E-08	4.12E-07	8.221556	7.6979	7.636579	7.687303	8.284363	8.396364	8.359606	8.727211	8.678301	8.663275	7.486941	7.508775	7.485703	8.07149	8.077096	8.074237	8.036759	8.015603	7.981365
TEX19	ENSG00000182459	-0.92028	1.657934	-4.48546	0.000306	0.000795	0.081309	1.235614	1.002471	0.829201	1.688986	1.307481	1.055701	1.317361	1.760835	1.620777	3.45483	3.204502	3.312021	2.24051	2.039797	2.416453	3.637781	3.413359	3.571657
CAPN12	ENSG00000182472	-0.49621	0.364148	-1.38793	0.1826	0.233609	-5.59952	1.602421	1.173893	1.406977	0.258133	0.512209	0.3528	0.983587	0.824004	1.171446	1.52331	1.875739	1.631268	1.973006	1.921808	1.851631	1.734264	1.878239	1.170016
EXOC7	ENSG00000182473	0.58647	7.540894	13.62574	9.60E-11	3.17E-09	14.62945	6.822954	6.78272	6.813498	7.48555	7.496235	7.437461	7.445266	7.318197	7.327573	7.629423	7.642371	7.590282	8.1634	8.112875	8.130968	7.893556	7.887669	7.906226
KPNA2	ENSG00000182481	-0.48138	8.15224	-4.24051	0.000521	0.001274	-1.40579	7.989597	7.978673	7.948774	8.008354	7.980534	7.96926	8.432767	8.456948	8.513045	8.502665	8.422435	8.437779	7.577247	7.542424	7.489511	8.556932	8.482911	8.547891
XKRX	ENSG00000182489	-0.47238	1.809833	-2.66629	0.016012	0.026849	-3.65924	2.109269	2.232543	2.248556	1.457877	1.909591	1.956998	1.917967	2.069791	2.530983	2.056133	2.193623	2.615819	2.145912	1.652223	2.161508	2.782512	2.799093	2.687355
CEP97	ENSG00000182504	0.138955	3.479941	1.321234	0.20346	0.256767	-6.30752	3.349713	3.273623	3.489013	3.944346	3.89028	3.689474	4.000319	3.698786	3.746538	3.528929	3.562131	3.380287	3.449427	3.410675	3.244428	3.836267	3.735773	3.744016
FES	ENSG00000182511	1.043446	0.768702	4.111463	0.000692	0.001633	-0.45626	1.069823	0.875715	0.756332	1.933905	2.229385	2.064596	1.588238	1.988058	1.314712	1.315703	1.498542	1.277453	1.644349	1.357245	1.695314	1.45147	1.478665	1.222783
GLRX5	ENSG00000182512	-0.24972	5.672683	-4.18034	0.000595	0.001428	-1.32878	5.454629	5.477439	5.584434	4.927344	5.190008	5.085168	5.233498	5.255104	5.269907	6.128749	6.077605	6.300088	6.036929	6.046769	6.038856	6.253425	6.138449	6.156248
FAM104B	ENSG00000182518	0.074858	3.846016	0.889116	0.386015	0.450804	-6.84265	4.179456	4.014214	3.96379	4.254996	4.204846	3.954853	4.487843	4.389749	4.633836	3.681119	3.5985	3.543997	3.581798	3.637228	3.760608	3.658228	3.822043	3.716682
MXRA7	ENSG00000182534	0.54913	5.404793	10.75931	3.91E-09	5.58E-08	10.95095	4.42241	4.55906	4.520694	5.20443	5.044764	5.230878	4.716879	4.917048	4.813478	5.949988	5.868645	5.884278	6.376858	6.398913	6.347596	5.909826	5.946952	5.868189
LIMK2	ENSG00000182541	0.921045	4.759066	2.793457	0.012243	0.021159	-4.06028	4.29042	4.115866	4.307715	6.42876	6.252564	6.34244	5.383345	5.276779	5.400136	4.592639	4.570022	4.415294	4.011012	4.062207	4.083285	4.477583	4.328771	4.433851
MFSD5	ENSG00000182544	0.306417	5.460272	4.030687	0.000826	0.001912	-1.59	5.310279	5.430295	5.303557	5.845818	5.943937	5.949645	5.55111	5.673074	5.713073	5.305186	5.179378	5.432483	5.409919	5.368419	5.36978	5.440329	5.307153	5.362617
ADI1	ENSG00000182551	0.227153	6.563579	3.361941	0.003587	0.007051	-3.18503	6.72176	6.790427	6.748056	6.787763	6.863577	6.807492	7.183162	7.173181	7.224726	6.017322	5.976214	6.080684	6.425492	6.385602	6.390715	6.34456	6.278531	6.23863
RWDD4	ENSG00000182552	-0.37195	5.235245	-5.22614	6.27E-05	0.000196	1.093747	5.727148	5.587707	5.651273	5.067404	5.244245	5.191857	5.97958	6.027768	6.0206	4.977839	4.948095	5.035219	4.718081	4.784213	4.715769	5.115041	5.051448	5.12686
SATB1	ENSG00000182568	2.058826	0.232838	10.16438	9.29E-09	1.12E-07	10.43127	0.318509	0.106501	0.421314	0.395333	0.512209	0.657796	0.106501	0.387194	0.106501	2.100009	2.546219	2.152295	4.171694	4.250194	3.974116	3.123735	3.034117	3.006111
EPHB3	ENSG00000182580	-0.44964	0.673052	-3.41293	0.003208	0.006384	-2.57272	0.216396	0.410755	0.323815	0.106501	0.389229	0.2349	0.106501	0.106501	0.39151	4.443094	4.219284	4.338442	3.960951	3.952144	3.81227	4.574001	4.40994	4.494122
ACTL10	ENSG00000182584	0.528973	-1.05072	5.120157	7.83E-05	0.000239	1.528596	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.263275	2.303453	2.314614	2.812503	2.770668	2.633039	2.539649	2.33471	2.174206
EPGN	ENSG00000182585	-0.71714	2.30942	-4.37397	0.00039	0.000983	0.067632	5.190829	5.488312	5.344527	4.626508	4.56592	4.610338	5.628203	5.58547	5.566863	0.669294	0.941811	0.884879	0.701742	0.837535	0.651457	0.974502	0.816175	0.805046
SNORC	ENSG00000182600	0.709155	0.65904	3.794765	0.001387	0.003021	-1.12526	1.235614	1.277811	1.256574	1.578054	1.718467	1.956998	1.525136	1.231675	1.314712	1.278001	1.335727	1.126631	1.667235	1.591687	1.610309	1.354562	1.478665	0.734116
TRAK1	ENSG00000182606	0.28619	6.047232	5.099422	8.19E-05	0.000248	0.627721	5.665509	5.520446	5.552509	5.558653	5.710229	5.651925	5.661594	5.650007	5.537947	6.333298	6.410864	6.343484	6.795679	6.790107	6.752357	6.482811	6.46325	6.393378
PLCB1	ENSG00000182621	0.401154	6.271544	1.643141	0.118221	0.159877	-6.42032	5.991484	5.822762	6.027288	7.331627	7.277445	7.371766	6.723746	6.761343	6.86609	6.179477	6.206905	6.108119	5.601813	5.591562	5.501506	5.947695	5.966024	5.985442
SKA2	ENSG00000182628	-0.20105	5.837744	-1.83607	0.083418	0.117352	-6.10577	4.842264	4.901694	4.840087	5.28169	5.208315	4.992837	5.628203	5.740142	5.706591	6.695161	6.558479	6.669617	6.179064	6.244045	6.12437	6.622035	6.655652	6.711029
LINC01006	ENSG00000182648	-0.05498	2.594896	-0.52963	0.603034	0.659628	-7.0986	1.990546	2.125186	2.194417	2.063099	2.333126	2.132113	1.160105	1.367163	1.826075	3.864012	4.024536	3.999574	3.918659	4.022628	3.734067	3.717885	3.835933	3.753014
TTC3	ENSG00000182670	0.567023	7.29262	9.03841	5.29E-08	4.64E-07	8.09847	6.976299	6.982416	6.974754	7.791635	7.685356	7.812811	7.172906	7.209698	7.243878	7.232942	7.233252	7.171923	7.560917	7.576014	7.594214	7.079767	7.001321	7.14104
BRICD5	ENSG00000182685	-0.30983	0.717615	-1.04498	0.310269	0.37283	-5.9311	1.519087	1.327092	1.706811	2.021307	2.078331	1.669505	1.70672	1.658879	1.244857	1.388276	1.467416	1.60868	0.745413	0.938214	0.957066	1.482378	1.024588	1.626848

IGIP	ENSG00000182700	0.329994	2.382484	2.257364	0.037046	0.056827	-4.51199	2.996191	3.450822	3.148134	3.791129	3.378481	3.700636	2.908934	2.938616	3.199964	2.100009	2.303453	1.896649	2.044674	2.344993	2.18129	1.681967	1.90484	2.174206
TSKU	ENSG00000182704	-0.16531	8.272545	-2.08103	0.05243	0.077666	-5.88115	8.725569	8.690599	8.787188	8.739821	8.949502	8.740038	9.141332	9.020982	9.119033	7.844192	7.788446	7.933924	7.479612	7.423722	7.40423	7.768651	7.72132	7.723188
ANXA2	ENSG00000182718	0.347172	10.90955	4.788165	0.000159	0.000445	-0.36836	11.28336	11.27341	11.24014	11.59953	11.58426	11.53407	11.05853	11.07495	11.06839	10.29351	10.29695	10.23604	10.60826	10.70537	10.68562	10.59816	10.61003	10.63591
PAQR7	ENSG00000182749	-0.14754	4.461599	-1.81597	0.086568	0.121333	-5.84079	4.917414	4.961437	4.917323	4.525489	4.614773	4.440963	4.902122	4.759705	4.795267	4.299944	4.247042	4.335006	4.373047	4.307781	4.452348	4.319678	4.189664	4.163911
PAPPA	ENSG00000182752	-0.46487	4.779491	-1.37422	0.18674	0.238293	-6.03689	8.267259	8.243411	8.349135	8.058933	7.93866	8.116134	8.433304	8.305963	8.382912	2.868884	3.055486	2.93917	0.869014	0.986036	1.002253	1.85727	1.956613	1.877799
NGRN	ENSG00000182768	0.560935	4.935119	7.082743	1.57E-06	8.07E-06	4.833381	4.138162	4.230384	4.042515	4.694564	4.883243	4.76722	4.235306	4.405576	4.322386	5.088159	5.251956	5.36838	5.703571	5.724373	5.80226	5.909826	5.68063	5.531613
RPS17	ENSG00000182774	-0.11629	7.716204	-2.83713	0.011157	0.019453	-4.41618	7.830732	7.752724	7.701929	7.574932	7.582973	7.558973	7.664251	7.582918	7.665849	7.8454	7.831864	7.724691	7.656589	7.781803	7.812091	7.79197	7.784011	7.875658
HCAR2	ENSG00000182782	-1.1698	0.984847	-5.58235	2.98E-05	0.000102	2.360307	1.235614	1.374745	1.146821	0.106501	0.389229	0.3528	0.269385	0.622068	0.735084	3.938405	3.626949	3.774554	2.892375	2.962168	3.010124	3.227721	3.127424	3.176297
CCDC87	ENSG00000182791	0.489825	0.312882	2.557233	0.020105	0.032937	-3.65042	1.12723	1.002471	1.358564	1.326771	1.307481	1.669505	0.670238	0.824004	0.629397	1.158593	1.112482	1.46518	1.621093	1.282615	1.749324	1.250674	1.118494	1.170016
C1orf116	ENSG00000182795	0.600261	3.858633	5.075684	8.61E-05	0.000259	0.595146	1.336422	1.420874	1.54317	2.063099	1.817192	1.840725	0.415731	0.824004	0.256032	7.261599	7.140098	7.221147	7.799394	7.806568	7.791323	7.458642	7.560704	7.49954
TMEM198I	ENSG00000182796	-0.02876	4.183705	-0.30469	0.764198	0.803934	-7.366	4.574623	4.372133	4.59048	4.3081	4.392653	4.531264	4.31208	3.856799	4.313883	4.501517	4.374156	4.264509	4.373047	4.335734	4.456413	3.595997	3.595851	4.029672
CRIP2	ENSG00000182809	0.922435	6.06899	4.296384	0.000462	0.00114	-1.20065	3.487617	3.439663	3.638424	5.583994	5.741991	5.445139	2.412257	2.540248	2.588518	8.077441	8.121832	8.253501	8.785646	8.799754	8.761567	8.360886	8.423784	8.171625
DDX28	ENSG00000182810	-0.80221	5.042903	-6.70628	3.19E-06	1.48E-05	4.187773	6.245915	6.26346	6.267462	4.999073	5.235346	5.050687	5.83422	5.564476	5.732345	4.604112	4.716207	4.698057	4.400624	4.259953	4.372859	4.55958	4.551348	4.311289
ACBD3	ENSG00000182827	-0.00246	6.577305	-0.06168	0.95152	0.959907	-7.80938	6.573458	6.60557	6.584036	6.672679	6.667471	6.666596	6.426359	6.467323	6.48939	6.627441	6.680555	6.640685	6.52203	6.616776	6.60452	6.595775	6.623981	6.606939
C16orf72	ENSG00000182831	-0.129	6.133491	-3.29467	0.004155	0.008055	-3.28762	6.40089	6.378964	6.419743	6.367536	6.228101	6.27683	6.34876	6.431054	6.425703	5.946988	5.959533	6.055851	5.780368	5.884342	5.882997	6.044073	5.914593	6.041596
RRP7BP	ENSG00000182841	-0.03133	2.631195	-0.2586	0.798962	0.83239	-6.99528	2.609804	2.576149	2.221741	2.688367	2.490996	2.481849	2.513265	2.938616	2.643847	3.294134	3.065914	3.125724	3.228726	3.173121	2.795875	2.946659	3.2466	3.444131
ALG12	ENSG00000182858	0.82088	4.451464	9.296271	3.51E-08	3.30E-07	8.90871	4.399293	4.389636	4.351665	5.404628	5.4273	5.291197	5.157514	4.949799	5.021009	3.637124	3.958911	3.7997	4.47385	4.398927	4.199397	4.340914	4.184245	4.029672
GALNT9	ENSG00000182870	-0.05481	-1.57326	-0.2167	0.830954	0.859934	-6.37696	0.216396	0.215206	0.219246	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.199504	1.152172	0.993481	1.392977	1.120667	1.046067	1.419885	1.442809	1.504318
COL18A1	ENSG00000182871	0.899178	6.211186	5.231429	6.20E-05	0.000195	0.893542	5.924244	5.996553	6.170885	6.007062	6.364945	6.104746	5.643139	5.543171	5.725949	5.685984	5.963722	6.143905	7.392592	7.342239	7.363684	6.475148	6.351658	5.985442
RBM10	ENSG00000182872	-0.26301	6.54028	-4.16258	0.000618	0.001478	-1.45192	6.574748	6.470907	6.637006	6.115311	6.170911	6.044692	6.741204	6.637811	6.691642	6.665354	6.654881	6.722514	6.579714	6.567528	6.553254	6.798962	6.743936	6.644896
ADGRG3	ENSG00000182885	-0.69115	0.538691	-1.88802	0.07574	0.107747	-4.62859	3.87042	3.829904	3.726899	2.933382	3.132285	3.03415	5.243334	4.922558	5.107194	0.269074	0.106501	0.288049	0.234608	0.345231	0.186984	0.257084	0.358227	0.497646
GLUD2	ENSG00000182890	0.471372	-0.15028	2.124781	0.048146	0.071881	-4.4271	0.587539	0.582935	0.323815	0.635873	0.828511	0.830331	0.782422	0.387194	0.39151	1.586365	1.403073	1.305813	1.446877	1.681564	1.775589	1.058946	1.67689	1.626848
RPL35A	ENSG00000182899	-0.16936	8.266705	-4.5824	0.000248	0.000659	-0.66711	8.530251	8.514992	8.439912	8.260986	8.223769	8.224993	8.328055	8.386922	8.39556	8.286803	8.221391	8.173998	8.091986	8.156629	8.174799	8.140622	8.123941	8.21256
SLC25A18	ENSG00000182902	-0.58464	-0.98379	-1.83933	0.082916	0.116721	-4.67526	3.952119	3.936954	3.931056	3.083078	3.588725	3.364021	2.186178	2.540248	2.588518	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZNF721	ENSG00000182903	-0.18224	5.242835	-2.79322	0.012249	0.021167	-4.18213	5.738706	5.734195	5.530827	5.290513	5.313527	5.503669	5.78793	5.737018	5.519576	4.893087	4.987026	4.950186	4.831335	4.962129	4.845411	5.077578	5.190374	5.19777
TSPEAR-AS	ENSG00000182912	0.459906	-0.37446	3.265407	0.004428	0.008526	-2.6427	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	3.349712	3.241771	2.966075	3.658044	3.591587	3.644271	3.113899	3.149837	3.121769
C11orf54	ENSG00000182919	0.098096	4.73642	0.884924	0.38821	0.453182	-7.15189	4.478633	4.517206	4.647003	4.375995	4.258538	4.162865	4.568297	4.703199	4.66091	5.133727	5.082559	5.081065	5.399705	5.357098	5.403856	4.755763	4.843731	4.844905
CEP63	ENSG00000182923	-0.33574	4.384976	-4.10045	0.000709	0.001668	-1.21894	5.214199	5.127117	5.067946	4.827817	4.621619	4.997371	4.56045	4.307901	4.633836	4.19764	4.305413	4.421787	3.884887	4.022628	4.098971	3.97856	3.923096	4.051715
SRPRA	ENSG00000182934	-0.0301	8.327254	-0.53883	0.596801	0.653914	-7.81137	7.787429	7.747643	7.746703	7.939902	7.954336	7.977888	7.902459	7.849094	7.911776	8.8708	8.813251	8.867044	8.64465	8.604139	8.675482	8.901943	8.86927	8.91456
EWSR1	ENSG00000182944	-0.36765	8.600085	-6.22056	8.22E-06	3.35E-05	2.797479	8.725278	8.635425	8.731842	8.125782	8.21361	8.219183	8.878453	8.776281	8.878228	8.792531	8.652385	8.686548	8.490574	8.441339	8.476953	8.670538	8.737658	8.738886
HMGN4	ENSG00000182952	-0.0566	5.657407	-0.65309	0.522196	0.583893	-7.50231	5.45743	5.444322	5.393406	5.004446	4.911451	4.854763	5.055139	5.043815	5.102264	6.083021	6.191511	6.279679	6.335486	6.377781	6.424306	6.185787	6.138449	6.118454
SPATA13	ENSG00000182957	-0.16848	3.849655	-0.84443	0.409839	0.474859	-7.03096	3.443098	3.695626	3.618004	4.190466	4.167908	4.358792	3.004565	2.871824	2.937508	4.421642	4.648439	4.45065	3.865227	4.15926	3.985412	4.619897	4.432969	4.376785
GJC1	ENSG00000182963	-0.62161	0.690973	-1.69271	0.108258	0.147863	-4.94161	4.973272	4.99613	4.950366	4.510463	4.258538	4.386706	4.402637	4.459641	4.549426	0.106501	0.330605	0.288049	0.171976	0.106501	0.263213	0.326864	0.358227	0.214669
CNOT10	ENSG00000182973	-0.1736	5.562049	-2.67692	0.015658	0.026331	-4.53104	5.621238	5.51514	5.431935	5.245847	5.166794	5.127141	5.147073	5.112925	5.057123	5.973766	5.892276	5.943013	5.814086	5.943067	5.889024	5.923967	5.847615	6.043431
MTA1	ENSG00000182979	-0.05163	6.187326	-0.50714	0.618395	0.673534	-7.65173	6.084999	6.072572	6.205512	5.55133	5.634408	5.575159	5.631951	5.499594	5.660384	6.496087	6.493335	6.629508	6.822051	6.803515	6.785046	6.641849	6.634946	6.535733
CADM1	ENSG00000182985	1.14932	-0.50931	4.38071	0.000384	0.000971	0.230025	3.262728	3.057038	2.966237	4.122913	4.149079	4.271657	3.405851	3.178579	3.406029	0.106501	0.106501	0.16959	0.234608	0.190544	0.106501	0.106501	0.106501	0.106501
ZNF320	ENSG00000182986	0.364376	3.847457	5.487804	3.63E-05	0.000122	1.759595	3.026682	3.128277	2.776595	2.97776	3.295295	3.152687	3.219115	2.960209	3.373665	4.641707	4.761819	4.598401	5.073302	5.029288	5.068941	4.777733	4.714363	4.832225
C12orf60	ENSG00000182993	-0.47544	1.042988	-2.46342	0.024402	0.039183	-3.90924	1.959273	2.179863	2.018628	1.457877	1.006428	1.422231	1.648695	1.430416	1.244857	1.52331	1.725977	1.759838	1.597456	1.652223	1.722572	1.708352	1.766644	1.739782
PYCR1	ENSG00000183010	-0.35047	7.853487	-5.947	1.42E-05	5.39E-05	2.283408	7.968647	7.922663	7.98311	7.711776	7.81196	7.707465	7.966948	7.832359	7.871781	7.987227	7.93181	8.018823	7.568915	7.485334	7.48703	8.12571	8.065088	8.033066
NAA38	ENSG00000183011	0.262042	5.242981	3.351236	0.003672	0.007205	-3.01183	5.343965	5.343146	5.363051	5.824713	5.976344	5.812316	5.683433	5.737018	5.663734	4.803043	4.848932	5.013889	4.914988	4.901075	4.85468	4.996928	5.042491	4.977487
SPNS2	ENSG00000183018	-2.58524	0.647634	-3.96983	0.000944	0.002153	-0.64721	5.034569	5.007511	4.857612	2.325974	1.909591	1.919272	2.724622	2.389238	2.697131	0.269074	0.398185	0.288049	0.352262	0.784432	0.470356	0.457048	0.572487	0.659518
AP2A2	ENSG00000183020	-0.09381	5.770035	-1.499	0.15172	0.198836	-6.53891	6.652572	6.710274	6.73033	6.55861	6.622106	6.560309	6.197609	6.273954	6.340354	5.093595	5.125563	5.166672	5.105079	5.071461	5.042146	5.15875	5.098298	4.906683
SLC8A1	ENSG00000183023	2.094604	3.024641	12.44033	4.09E-10	9.17E-09	13.48851	2.021155	1.915637	2.248556	4.333937	4.327153	4.271657	3.853933	4.119235	3.641718	2.243849	2.469748	2.243088	3.663745	3.68147	3.916269	3.011667	3.022017	3.189613
SLC25A21	ENSG00000183032	-0.61721	1.090096	-3.72519	0.001616	0.003471	-1.38963	1.12723	1.277811	1.585853	0.742604	1.2379	1.123626	1.160105	1.809233	1.564539	2.392392	2.23117	2.435052	1.878105	1.738515	1.970087	2.135245	2.254246	2.003758
SLC25A10	ENSG00000183048	0.211714	2.589772	1.871979	0.078041	0.110678	-5.36735	2.589523	2.258179	2.776595	2.48816	2.520598	2.098749	2.412257	2.389238	2.616448	3.002038	3.002186	2.920951	3.449427	3.301515	3.186878	3.272618	3.256961	3.364179
CAMK1D	ENSG00000183049	1.636816	3.866991	24.56291	5.38E-15	4.19E-12	24.60002	2.165157	2.009193	2.37563	3.425084	3.457132	3.419122	1.917967	2.481727	1.826075	4.880563	4.815334	4.806238	6.508628	6.405522	6.442863	5.291204	5.187669	5.308717
LYSMD4	ENSG00000183060	-0.32897	2.012342	-3.65968	0.001867	0.003958	-1.77973	2.021155	1.744817	2.018628	1.888135	1.612488	1.526279	1.70672	1.549165	1.674905	3.145032	3.065914	3.225594	2.852992	2.925848	2.846311	3.032701	2.813204	3.162857
WBP2NL	ENSG00000183066	0.685762	-0.11333	3.466784	0.002851	0.005755	-1.84082	0.318509	0.410755	0.323815	0.52061	0.389229	1.055701	0.548589	0.726566	0.39151	1.586365	1.672391	1.73919	2.044674	2.10622	2.036756	1.571317	1.368306	1.546329
AFMID	ENSG00000183077	-0.36635	5.234266	-8.31105	1.76E-07	1.26E-06	7.048311	5.319544	5.247194	5.22134	4.881362	4.911451	4.809079	4.723921	4.670823	4.770621	5.887203	5.763659	5.876026	5.539608	5.503938	5.487671	5.384153	5.389513	5.557523
GAS6	ENSG00000183087	0.501105	2.482071	2.293224	0.034479	0.053315	-4.22894	5.310279	5.291319	5.264677	5.667647	5.859584	5.708315	5.015513	4.987092	5.102264	0.54782	0.640699	0.726056	0.828978	0.888753	1.355599	1.177011	0.759002	1.170016
NEB	ENSG00000183091	0.763627	1.504303	4.191051	0.000581	0.001401	-0.63934	0.41387	0.940485	0.898566	1.457877	1.612488	1.956998	0.782422	0.726566	1.171446	3.091698	3.287042	2.627101	3.501296	3.401888	3.517722	3.209363	2.841019	2.960231
BEGAIN	ENSG00000183092	0.473335	1.163033	1.049902	0.308064	0.370527	-5.77377	5.515021	5.575013	5.727119	6.062202	6.254768	6.202215	5.907184	5.743259	5.967373	0.269074	0.398185	0.34382	0.106501	0.106501	0.186984	0.183756	0.106501	0.214669
GPC6	ENSG00000183098	1.018233	3.825293	14.24469	4.69E-11	1.87E-09	15.65002	4.351916	4.435299	4.400306	5.350809	5.309293	5.445139	4.330652	4.147745	4.170531	2.868884	3.002186	2.957162	4.01993	3.717329	3.849837	2.744769	3.009816	2.928814
ARHGEF37	ENSG00000183111	0.744727	2.478669	4.61156	0.000233	0.000624	0.272624	2.780548	2.674627	2.469799	2.633943	2.904251	2.94309	2.576877	2.357042	1.873138	2.320032	2.590228	2.30059	3.18974	3.401888	3.290693	2.990321	2.934355	2.975687
CSMD1	ENSG00000183117	0.52941	-0.58062	6.19443	8.66E-06	3.51E-05	3.581739	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.196464	2.969234	3.00983	3.593793	3.38415	3.615478	3.209363	3.307681	3.065099
CEP57L1	ENSG00000183137	-0.04504	1.915696	-0.33366	0.742606	0.784639	-6.68058	2.320899	2.332462	2.446827	2.518519	2.078331	2.455733	2.752438	2.938616	2.643847	2.100009	2.155072	1.896649	1.935792	2.084417	1.923865	1.880661	2.169028	2.302316
RABIF	ENSG00000183155	0.425153	4.588973	7.707616	5.03E-07	3.04E-06	6.137461	4.543331	4.548709	4.531653	4.988267	4.894593	4.979151	5.203583	5.150979	5.092354	4.167027	4.247042	4.12026	4.565023	4.585115	4.554478	4.55958	4.525868	4.467038
FANCF	ENSG00000183161	0.288908	4.287084	3.794486	0.001388	0.003022	-1.88452	4.559062	4.604738	4.553323	4.869634	4.544465	4.506036	4.367093	4.332946	4.475104	3.962373	4.056262	4.012537	4.467344	4.501207	4.411058	4.127753	4.156841	4.022248
CALN1	ENSG00000183166	0.406472	-0.2629	3.660214	0.001865	0.003954	-1.86804	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.479955	3.633975	3.464463	3.974777	3.921728	3.773698	3.637781	3.554448	3.641153
SMDT1	ENSG00000183172	0.188015	4.539655	3.261116	0.00447	0.008604	-3.09402	4.669462	4.495815	4.626705	4.99368	4.960875	4.78306	4.666597	4.637703	4.770621	4.505601	4.411431	4.447471	4.489986	4.577331	4.531543	4.496632	4.423801	4.365096
RUVBL2	ENSG00000183207	-0.45806	7.464046	-7.67203	5.36E-07	3.22E-06	5.676249	7.297127	7.317211	7.353118	6.530955	6.775775	6.617379	6.987844	6.932239	6.938406	8.116016	8.0399	8.198549	7.872917	7.793609	7.823151	7.9945	8.015985	7.910756
GDPGP1	ENSG00000183208	0.238995	1.676142	1.396775	0.179966	0.230612	-5.78472	2.392887	2.403106	2.138168	2.103714	1.768674	2.164723	1.762502	2.108984	2.309357	1.787595	1.945166	1.877881	2.343563	2.433888	2.399663	2.013561	1.878239	1.739782
PRR36	ENSG00000183248	1.671431	1.573802	12.95355	2.15E-10	5.69E-09	14.08637	1.12723	0.736739	0.598525	1.578054	1.612488	2.029614	1.389995	1.301009	0.735084	2.444376	2.575707	2.328504	3.95166	3.839509	3.880413	2.957699	2.784842	2.79582
LINC01547	ENSG00000183250	0.027182	1.894353	0.268998	0.791081	0.826236	-6.82867	1.642349	1.915637	1.818408	1.457877	1.817192	1.993763	2.144798	2.029503	1.777424	2.620402	2.485369	2.649405	2.626498	2.596763	2.675503	2.807136	2.95995	2.81313
OR51B4	ENSG00000183251	0.139532	-1.49815	0.734264	0.472525	0.535969	-6.24519	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.676063	1.725977	1.413989	1.597456	1.591687	2.058312	1.784732	1.442809	1.703111
PTTG1IP	ENSG00000183255	0.85951	7.836173	22.38888	2.59E-14	9.97E-12	23.06438	6.671992	6.635221	6.654657	7.467184	7.557316	7.506669	7.450582	7.442307	7.436361	7.97954	8.049784	7.999962	8.865277	8.853112	8.872766	8.583012	8.571449	8.587412
DDX41	ENSG00000183258	-0.0567	6.760098	-1.39121	0.18162	0.23246	-6.8653	6.802174	6.814386	6.812375	6.652287	6.700177	6.640749	6.522384	6.526419	6.534004	6.932828	6.825684	6.919478	6.912826	6.863953	6.956996	6.852438	6.856383	6.803789
DAZAP2	ENSG00000183283	1.483243	7.591599	22.21255	2.96E-14	1.03E-11	22.94402	6.827291	6.903387	6.765568	8.363846	8.297229	8.379278	8.067257	8.068765	8.046834	6.71734	6.746055	6.710631	8.158865	8.142521	8.175416	7.479857	7.488895	7.46368
SELENOF	ENSG00000183291	0.206217	7.124593	3.094954	0.006413	0.0119	-3.82646	6.946707	7.012854	6.923673	7.414682	7.395984	7.467996	7.238302	7.336889	7.201865	7.067381	7.026565	7.015975	6.993141	6.998278	7.030408	7.140373	7.092371	7.132446
ZNF623	ENSG00000183309	-0.05657	6.280895	-0.79527	0.437126	0.501757	-7.46745	6.095825	6.092304	6.117333	5.720837	5.690831	5.762585	5.853613	5.910652	5.806958	6.697841	6.746865	6.693963	6.89597	6.809341	6.890204	6.563618	6.513809	6.55129
EPHA10	ENSG00000183317	0.681423	1.22959	4.231409	0.000532	0.001297	-0.53081	1.12723	1.002471	1.028027	1.182548	1.307481	1.310092	0.415731	0.509405	0.735084	2.955028	2.320972	2.522234	3.205461	3.253475	3.21594	2.968656	2.868308	2.830235
CCDC125	ENSG00000183323	-0.01794	4.014457	-0.26024	0.797718	0.831703	-7.31326	4.014302	4.164126	4.208773	4.009923	3.988879	4.088331	4.19533	4.203129	4.296723	4.156676	4.122698	4.059098	4.203356	4.073319	4.12984	3.928936	3.916575	4.115895
BCOR	ENSG00000183337	-0.2873	5.498259	-5.00548	9.99E-05	0.000296	0.545979	5.70139	5.668796	5.780922	5.396478	5.677752	5.513197	5.804633	5.913422	5.851705	5.501993	5.535075	5.560106	5.123815	5.13912	5.248442	5.420516	5.370553	5.356727
JRKL	ENSG00000183340	-0.2135	4.568708	-3.52133	0.00253	0.005179	-2.61975	4.152058	4.468622	4.275483	4.171485	4.222966	4.130213	3.828023	3.761625	3.867685	5.36934	5.240494	5.386751	5.066862	5.18338	5.050237	5.036515	5.140881	5.077574
GBP6	ENSG00000183347	0.352704	-0.13505	5.424127	4.14E-05	0.000137	1.836763	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.838337	3.896014	3.937488	4.249584	4.321825	4.093761	4.103106	4.011424	4.236277
KIAA2026	ENSG00000183354	0.142224	4.735801	1.891979	0.075181	0.107027	-5.81521	4.450796	4.360345	4.55869	4.532944	4.310303	4.72411	4.87074	4.759705	4.764393	4.835851	5.095341	4.773612	5.020957	5.10974	5.068941	4.969919	4.975054	5.06679
FHL3	ENSG00000183386	0.09651	2.378634	0.948061	0.356023	0.420468	-6.61692	1.791852	1.978677	2.138168	1.840866	1.909591	2.029614	2.376953	1.658879	1.674905	3.236329	3.250939	3.332842	3.353912	3.329589	3.525482	3.651445	3.659719	3.530388
CCDC159	ENSG00000183401	0.97802	3.050578	9.390459	3.02E-08	2.91E-07	9.23521	3.114469	2.950996	3.24453	3.966538	4.081169	4.088331	3.632324	3.550079	3.557782	2.574485	2.66072	2.693003	3.422776	3.495729	3.378997	2.417026	2.601856	2.760563
RIPK4	ENSG00000183421	-0.14616	3.436924	-1.37605	0.186184	0.237703	-6.51123	2.548084	2.693541	2.776595	1.978268	2.155834	2.346268	2.26554	1.988058	1.674905	4.848768	4.997958	5.107486	4.984974	4.847068	4.929692	5.31071	5.143675	4.918728
NPIPA1	ENSG00000183426	-0.03882	1.621868	-0.27461	0.786834	0.822825	-6.64834	2.392887	2.152784	2.681399	2.143217	2.03796	2.258349	2.607661	2.184314	2.087859	1.814181	1.725977	1.800268	1.954519	1.993753	1.851631	1.759719	1.707432	1.739782
SF3A3	ENSG00000183431	-0.71052	7.071133	-7.68752	5.22E-07	3.14E-06	5.743078	7.435651	7.451053	7.384436	6.477868	6.325656	6.274964	6.691778	6.821569	6.686711	7.531182	7.443295	7.524306	7.039377	7.108382	7.097013	7.417252	7.374596	7.402811
TRIM61	ENSG00000183439	0.010871	-1.08704	0.119977	0.90587	0.922582	-6.7148	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.282443	2.405511	2.382761	2.28558	2.250257	2.416453	2.494877	2.568968	2.507643
OR7E38P	ENSG00000183444	0.043697	2.872991	0.376951	0.710748	0.757434	-6.97455	3.420312	3.260998	3.384088	3.487804	3.260629	3.535905	3.115825	2.650616	2.869505	2.966925	2.792142	2.983737	2.862939	2.797719	3.157218	2.890155	3.009816	2.760563
PKD1P3	ENSG00000183458	0.373762	2.117191	2.001904	0.061064	0.089021	-4.94082	2.461454	2.674627	2.982302	2.577385	2.811499	2.557474	2.858632	2.255906	2.530983	1.676063	1.989662	2.198406	2.55467	2.565626	2.559363	2.479639	2.354144	1.775544
GTF2H2C	ENSG00000183474	-0.33952	4.169704	-4.12638	0.00067	0.001586	-1.09762	4.909255	4.804995	4.781616	4.375995	4.149079	4.256608	4.709802	4.547856	4.549426	4.087524	3.970058	3.986493	3.974777	3.946112	3.824901	3.934535	3.863317	3.881648
ASB7	ENSG00000183475	-0.09127	4.429121	-1.55653	0.137505	0.18239	-6.30592	4.138162	4.073175	4.16017	4.052041	4.040879	3.97338	4.185161	4.238905	3.935772	4.957113	4.950911	5.007428	4.769223	4.938017	4.981384	4.969919	4.721863	4.898598
MX2	ENSG00000183486	-0.01386	2.878867	-0.12541	0.901632	0.919186	-7.61662	0.587539	0.410755	0.106501	0.635873	0.625525	0.746642	1.074544	1.082132	0.925731	6.661699	6.736295	6.74599	6.619129	6.679929	6.668116	7.146417	7.280604	7.134169
EP400	ENSG00000183495	-0.12541	6.937016	-1.9174	0.07168	0.102565	-6.07283	7.266314	7.345888	7.513721	7.269391	7.306413	7.513015	7.135105	7.038831	7.204168	6.740049	6.907683	6.638596	6.490296	6.495009	6.589794	6.606336	6.48545	6.546123
MEX3B	ENSG00000183496	1.623249	-0.10197	4.290307	0.000468	0.001154	0.049107	2.051128	1.744817	1.921989	3.041869	3.260629	3.168853	2.667326	2.623806	2.471058	0.190076	0.106501	0.54756	0.610222	0.671977	0.404558	0.183756	0.358227	0.214669
PI4KAP2	ENSG00000183506	0.413811	3.028536	4.383689	0.000382	0.000966	-0.38127	2.345296	2.125186	2.621113	2.887595	2.787348	2.885561	2.724622	3.002451	2.937508	3.681119	3.517242	3.507833	4.011012	3.652127	3.939687	3.762638	3.713375	3.770842
TENT5C	ENSG00000183508	0.29318	3.656791	0.672317	0.510173	0.572112	-6.99959	2.416107	2.308123	2.049454	4.733909	4.745876	4.814227	3.953155	4.230044	3.82044	4.232554	4.309807	4.32118	3.181815	3.393046	3.147195	4.180538	4.25315	4.242679
COA5	ENSG00000183513	0.054351	4.821078	0.496581	0.625672	0.679796	-7.40509	5.096964	5.03743	5.029808	4.803367	4.662026	4.844735	4.968851	5.058905	5.216162	4.769473	4.777766	4.711369	5.03202	5.076992	5.050237	4.552316	4.432969	4.602629
UTP11	ENSG00000183520	-0.38915	5.879366	-9.746	1.74E-08	1.88E-07	9.371138	5.706108	5.567343	5.494882	5.142425	5.20376	5.324049	5.616898	5.58894	5.616111	6.516467	6.399572	6.510425	6.107656	6.056601	6.076316	6.442119	6.44524	6.489376
PSMG1	ENSG00000183527	-0.62404	5.164247	-10.2212	8.54E-09	1.04E-07	10.22741	5.643543	5.499103	5.681107	4.784753	4.825118	4.874612	5.409787	5.435516	5.420081	5.358091	5.24967	5.408164	4.774502	4.976997	4.851597	5.153958	5.219805	5.144062
PRR14L	ENSG00000183530	-0.29979	6.336286	-5.83129	1.79E-05	6.56E-05	2.150591	6.204839	6.300944	6.377849	6.036208	5.87399	6.055601	5.83747	5.865591	5.653661	6.88582	6.988016	6.78869	6.614721	6.595738	6.584232	6.59754	6.526712	6.606939
SERHL2	ENSG00000183569	0.661354	-0.14011	1.695383	0.107743	0.147287	-4.86355	1.642349	1.670392	1.888281	2.255624	2.366112	1.880533	3.238915	3.063581	3.084728	0.269074	0.330605	0.288049	0.407676	0.416769	0.651457	0.257084	0.2791	0.214669
PCBP3	ENSG00000183570	0.815939	0.458118	3.634812	0.001972	0.004155	-1.33625	5.100552	5.03743	5.244837	5.980046	5.853781	5.90932	5.672555	5.871301	5.895106	0.106501	0.106501	0.106501	0.171976	0.106501	0.186984	0.106501	0.106501	0.106501
SETD3	ENSG00000183576	-0.27489	6.164576	-5.5056	3.50E-05	0.000118	1.500292	6.145295	6.056225	6.172636	5.927278	6.008039	6.075031	6.042896	5.983638	6.06688	6.477494	6.458142	6.506612	6.04022	6.123609	6.137087	6.342456	6.324822	6.44842
ZNRF3	ENSG00000183579	0.238184	5.029757	2.968198	0.008429	0.015145	-3.84221	4.516725	4.440906	4.48167	5.025739	5.039662	4.889321	4.832157	4.62424	4.578115	5.312197	5.258789	5.263838	5.409919	5.324918	5.361134	5.680829	5.657352	5.680517
TANGO2	ENSG00000183597	0.472955	4.128682	6.807243	2.63E-06	1.26E-05	4.499956	4.271448	4.406929	4.326715	4.562385	4.854473	4.751204	4.31208	4.282412	4.189248	3.950439	3.836353	3.809637	4.36607	4.210485	4.484549	3.737235	3.612085	3.889829
SMG1P5	ENSG00000183604	0.117197	0.996315	0.701627	0.49215	0.554871	-6.30244	1.791852	1.780637	1.62731	1.791994	1.437317	1.799787	1.648695	1.760835	1.777424	1.352446	1.467416	1.360915	1.644349	1.591687	1.456457	1.880661	1.16325	1.58715
SFXN4	ENSG00000183605	-0.17565	5.048089	-2.7462	0.013531	0.023123	-4.23981	5.493352	5.523092	5.486458	5.510375	5.469652	5.566032	5.54317	5.477302	5.470686	4.971948	4.827642	4.859824	4.527992	4.480488	4.56581	4.733454	4.609106	4.587619
MRPL54	ENSG00000183617	-0.07798	4.741172	-1.29027	0.213767	0.268397	-6.68576	4.846543	4.706012	4.725456	4.790984	4.813207	4.586466	4.83866	4.860754	4.770621	4.902409	4.790397	5.011739	4.848959	4.697103	4.842308	4.865346	4.751478	4.680149
ZNF438	ENSG00000183621	-0.04919	1.505673	-0.28258	0.780818	0.817708	-6.58622	2.762544	2.37994	2.600444	2.425456	2.03796	2.481849	2.102195	2.481727	2.440135	1.423238	1.403073	1.585733	1.473091	1.622273	1.923865	1.419885	1.368306	1.775544
HMCES	ENSG00000183624	-0.50361	5.871785	-10.7498	3.97E-09	5.62E-08	10.91696	5.876913	6.094084	6.017577	5.547654	5.644527	5.547605	5.801308	5.848324	5.819027	6.212331	6.133205	6.268915	5.651439	5.694099	5.631222	6.103682	6.137047	6.123666
CCR3	ENSG00000183625	-1.13343	-0.31188	-3.42756	0.003107	0.006208	-1.95617	0.742531	0.875715	0.898566	0.106501	0.389229	0.461789	0.106501	0.253663	0.256032	1.940223	2.193623	2.120715	1.818016	1.462417	1.046067	2.055273	2.212266	1.844513
DGCR6	ENSG00000183628	1.08926	3.695256	8.819902	7.55E-08	6.27E-07	8.098078	2.90065	2.90305	2.966237	3.273122	3.207016	2.998412	2.724622	3.122225	2.723053	4.13047	4.301006	4.303708	5.60478	5.560311	5.3633	4.311095	4.400624	4.129778
ZNF530	ENSG00000183647	-1.04664	3.092064	-12.7945	2.62E-10	6.59E-09	13.94447	2.850396	2.784561	2.514675	2.181668	2.117603	1.880533	2.933443	2.596487	2.77354	4.480922	4.369954	4.37236	3.213258	3.560336	3.404467	4.454386	4.372311	4.365096
NDUFB1	ENSG00000183648	0.43293	5.337718	6.423334	5.52E-06	2.37E-05	3.519747	5.114814	5.077581	5.045184	5.749917	5.607073	5.519514	5.478019	5.663233	5.515873	5.198228	5.27461	5.164737	5.522452	5.57015	5.507395	5.20581	5.256415	5.271631
KLHL25	ENSG00000183655	-0.3024	3.638541	-2.98973	0.008048	0.014537	-3.61377	2.461454	2.693541	2.621113	2.791417	3.132285	2.885561	2.908934	2.848856	2.560038	4.883704	4.830703	4.916098	4.595172	4.385617	4.338034	5.107626	5.132464	5.048636
TRMT12	ENSG00000183665	0.108962	4.740916	2.352755	0.030579	0.04783	-5.08335	3.738482	3.82133	3.638424	3.999198	3.967543	3.786958	3.690999	3.749274	3.924645	5.759646	5.803151	5.82305	5.969477	5.83786	5.81972	5.791406	5.703538	5.742817
GUSBP1	ENSG00000183666	-0.23656	3.17079	-2.50538	0.022382	0.03623	-4.3407	3.041689	3.526613	3.217639	3.06262	2.811499	3.069023	3.277716	2.916694	3.421943	3.659289	3.509623	3.573456	3.388755	3.320292	3.494191	3.678389	3.595851	3.375875
GPR1	ENSG00000183671	1.309512	0.743455	3.192295	0.005192	0.009835	-2.29491	2.438959	2.37994	2.514675	3.921807	4.139571	4.096805	2.01302	2.650616	2.376228	0.609835	0.583785	0.921995	0.352262	0.550009	0.651457	0.393424	0.504542	0.659518
ALYREF	ENSG00000183684	-0.77934	6.79452	-19.7056	2.22E-13	3.48E-11	20.91044	6.6403	6.577844	6.628099	5.749917	5.87112	5.702775	6.43282	6.467323	6.377552	7.629891	7.546497	7.711833	6.945958	6.916573	6.850601	7.538938	7.517187	7.460937
RFLNB	ENSG00000183688	0.161463	3.311312	0.406952	0.688983	0.737003	-6.5868	6.637833	6.604321	6.593219	6.946912	6.932643	6.958108	6.693573	6.683964	6.706336	1.457372	1.529011	1.538714	0.407676	0.26996	0.760679	1.250674	1.513652	1.170016
EFHC2	ENSG00000183690	1.286211	-1.15519	7.751813	4.65E-07	2.85E-06	6.609995	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.940223	2.053933	1.538714	2.949505	2.875953	2.76998	1.681967	2.030948	1.775544
UPP1	ENSG00000183696	-1.74563	5.982069	-15.236	1.57E-11	8.65E-10	16.6481	7.5258	7.437092	7.448721	5.612421	5.694082	5.569081	6.532447	6.50821	6.517435	6.081653	5.916967	6.220389	4.595172	4.442428	4.488525	5.968311	5.869726	5.762999
TRIM52	ENSG00000183718	0.480193	3.826882	2.65317	0.016458	0.02752	-4.1765	3.84498	3.872022	3.83701	3.966538	3.734793	3.907468	4.428731	4.373746	4.388669	3.64455	3.70241	3.507833	4.38345	4.425185	4.265755	3.350072	3.494411	3.641153
LHFPL6	ENSG00000183722	-1.08279	1.661148	-3.92407	0.001044	0.002348	-0.84204	4.707601	4.729112	4.822347	3.605613	3.588725	3.643939	3.841036	4.019913	4.021828	0.609835	0.748206	0.726056	0.610222	0.345231	1.046067	0.789161	0.975239	1.058313
CMTM4	ENSG00000183723	-0.45373	7.295612	-12.7065	2.93E-10	7.16E-09	13.5066	7.804026	7.761154	7.799794	7.236666	7.285011	7.322939	7.644902	7.659991	7.660828	7.17258	7.204045	7.123451	6.721765	6.770613	6.817801	7.216456	7.104615	7.189897
TMEM50A	ENSG00000183726	0.334341	6.454297	5.382904	4.51E-05	0.000148	1.205918	6.188076	6.183767	6.084222	6.35076	6.371051	6.410303	6.398022	6.506377	6.483715	6.483718	6.470949	6.444992	6.878915	6.895598	6.845961	6.514932	6.449764	6.523954
TBK1	ENSG00000183735	0.118478	5.865466	1.850895	0.08116	0.114486	-6.02632	6.218111	6.250746	6.174385	6.279424	6.276619	6.35309	6.623754	6.620963	6.579055	5.302841	5.370266	5.366698	5.464835	5.455925	5.536486	5.459873	5.297147	5.434288
CBX6	ENSG00000183741	0.033303	7.171498	0.72149	0.480149	0.543449	-7.61767	6.612929	6.596806	6.681965	6.500859	6.604936	6.455483	6.419869	6.432985	6.385689	7.851029	7.823822	7.929944	8.075505	7.938132	7.980322	7.690979	7.697744	7.613225
MACC1	ENSG00000183742	0.14922	5.971807	1.068905	0.299653	0.361508	-7.19815	5.086148	5.048491	5.064177	4.3081	4.222966	4.218286	4.695544	5.023446	4.849226	7.106222	7.182044	6.992722	7.605294	7.586717	7.555421	7.13552	7.188879	7.241155
TBL3	ENSG00000183751	-0.45216	6.208258	-4.16238	0.000619	0.001478	-1.42256	6.583748	6.643756	6.746881	5.737065	5.976344	5.796796	6.020192	5.789227	6.02321	6.307799	6.293754	6.508139	6.272513	6.20795	6.188087	6.411331	6.393349	6.216033
ACP7	ENSG00000183760	-0.53173	-0.97917	-2.28437	0.035097	0.054171	-4.20718	0.318509	0.215206	0.421314	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	1.676063	1.922393	1.969371	1.733794	1.681564	1.695314	2.211015	2.101639	1.81044
KREMEN1	ENSG00000183762	1.863121	3.025754	7.400818	8.74E-07	4.89E-06	5.853552	1.861169	1.849715	2.109199	4.350907	4.614773	4.293939	2.752438	3.141256	2.798137	2.494552	2.804649	2.592986	3.669424	4.028349	3.68641	3.637781	3.786722	3.716682
TRAIP	ENSG00000183763	-1.74439	2.804908	-11.5886	1.24E-09	2.23E-08	12.4097	3.300651	2.836538	3.133821	2.393052	2.117603	2.098749	2.858632	2.871824	2.501332	4.13575	4.002991	3.973292	2.193986	2.288901	2.294605	3.871719	3.815048	3.856822
CHEK2	ENSG00000183765	-1.13926	4.308786	-6.65895	3.50E-06	1.60E-05	4.27044	5.504227	5.372784	5.251481	4.821743	4.58706	4.803913	4.889651	4.960553	5.046897	4.290508	4.357275	4.45065	2.706013	2.913535	2.756856	4.103106	4.100421	4.261717
AIFM3	ENSG00000183773	-0.07317	0.121663	-0.2806	0.782312	0.818877	-6.35985	1.681202	1.508929	1.585853	1.457877	1.2379	0.984419	1.240874	1.15884	1.171446	0.7264	1.07167	1.094478	1.308151	1.203912	1.08859	0.576451	0.433238	0.805046
KCTD16	ENSG00000183775	-1.25531	-1.23481	-2.62541	0.017443	0.02899	-3.25066	2.996191	2.802095	2.966237	1.519216	1.373859	1.919272	1.70672	1.430416	1.777424	0.106501	0.106501	0.230035	0.171976	0.106501	0.186984	0.106501	0.19538	0.214669
B3GALT5	ENSG00000183778	-1.57908	-0.10371	-4.52445	0.000281	0.000736	0.286436	0.41387	0.661886	0.421314	0.395333	0.625525	0.830331	0.106501	0.253663	0.106501	2.620402	2.753956	2.883807	1.308151	1.320413	1.320349	2.666185	2.601856	2.549558
ZNF703	ENSG00000183779	1.30219	-0.59455	3.036451	0.007277	0.01331	-2.47595	1.959273	1.81559	1.921989	2.97776	3.225109	3.136338	2.545421	2.568641	2.670735	0.190076	0.106501	0.16959	0.106501	0.190544	0.335616	0.517985	0.19538	0.214669
SLC35F3	ENSG00000183780	1.059819	2.514064	6.577136	4.09E-06	1.84E-05	4.459782	3.27548	3.209365	3.090013	4.350907	4.177232	4.202668	4.737903	4.357565	4.420702	1.028404	1.369793	1.126631	1.733794	1.738515	1.580823	2.494877	2.410923	2.302316
KCTD8	ENSG00000183783	-0.02102	-0.68451	-0.10693	0.916066	0.931567	-6.73416	0.106501	0.215206	0.219246	0.106501	0.389229	0.106501	0.106501	0.253663	0.106501	2.461296	2.285719	2.328504	2.371704	2.288901	2.294605	2.509956	2.601856	2.59029

NPIPA5	ENSG00000183793	-0.31868	0.713071	-1.38594	0.183196	0.234327	-5.4829	2.245129	2.308123	2.812981	2.21912	2.193078	1.919272	2.303642	2.184314	1.777424	0.834246	0.640699	1.126631	0.982856	0.837535	0.651457	0.884806	0.759002	0.93723
RBM12B	ENSG00000183808	-0.36805	5.511254	-7.54139	6.78E-07	3.94E-06	5.645007	5.528401	5.569905	5.56856	5.077635	5.003429	5.195807	5.527156	5.499594	5.500968	5.821561	5.899582	5.794563	5.503501	5.558335	5.565001	5.669122	5.674845	5.834677
LIN9	ENSG00000183814	-1.45898	3.572218	-12.0832	6.47E-10	1.34E-08	13.05352	3.928091	4.150501	4.011539	3.290819	2.660129	3.231764	4.225415	4.397684	4.17992	4.19764	4.127684	4.224215	2.614772	2.700737	2.559363	4.142342	4.140146	3.95366
BTBD9	ENSG00000183826	0.158265	4.540061	2.554703	0.020211	0.033083	-4.58758	4.309146	4.354415	4.255791	4.54774	4.470555	4.379778	4.454362	4.256466	4.428601	4.755823	4.989766	4.706059	4.907798	5.060335	4.917949	4.700972	4.617172	4.753714
NUDT14	ENSG00000183828	0.078655	4.087914	1.148923	0.266068	0.32584	-6.80428	3.765853	3.812706	3.755225	3.753334	3.855857	3.776446	3.158032	3.302095	3.389938	4.671093	4.758608	4.878827	4.883573	5.009177	4.739314	4.714053	4.576385	4.45054
GPR39	ENSG00000183840	0.122425	3.290178	0.57888	0.570056	0.629111	-7.15219	3.071243	3.273623	3.28395	2.103714	1.2379	1.956998	2.667326	2.511284	2.643847	4.13575	4.061483	4.260892	4.693208	4.736081	4.573316	4.61293	4.530146	4.467038
KIRREL1	ENSG00000183853	-0.63007	5.92264	-4.047	0.000797	0.001851	-1.3957	8.194426	8.241002	8.230987	7.283824	7.304287	7.33194	8.310035	8.307543	8.324848	3.544892	3.735447	3.707046	3.928165	3.766081	3.928025	4.54867	4.469068	4.411295
IQGAP3	ENSG00000183856	-1.99809	4.656871	-9.06738	5.05E-08	4.47E-07	8.549038	5.546927	5.404699	5.46661	4.375995	4.529983	4.512384	5.131269	4.997573	5.117003	5.640283	5.5776	5.506132	3.031169	2.863205	2.821313	4.790139	4.92395	4.930673
TOB2	ENSG00000183864	-0.37433	6.259348	-8.72991	8.75E-08	7.07E-07	7.679739	6.652572	6.582925	6.577441	6.097824	6.191762	6.19434	6.337326	6.403733	6.373466	6.265076	6.282621	6.290363	5.999094	5.995119	5.930525	6.236527	6.283608	6.325637
ARSI	ENSG00000183876	0.55664	0.002128	3.29643	0.004139	0.008028	-2.29501	0.503316	0.316291	0.679585	0.395333	0.389229	0.3528	0.415731	0.253663	0.39151	1.840286	1.851833	1.759838	2.479079	2.23054	2.382676	2.400938	2.410923	2.119598
UTY	ENSG00000183878	0.332255	3.609048	3.867622	0.001182	0.002615	-1.52694	4.029438	3.896716	3.801232	4.236852	4.158524	4.434292	4.057185	4.050434	4.270596	3.284659	3.339557	3.297971	3.482063	3.436722	3.707028	3.094024	3.32748	3.267027
TTC32	ENSG00000183891	0.093077	3.289243	0.55557	0.585547	0.643117	-6.8881	4.051848	3.777682	3.906009	4.052041	3.99943	3.9455	4.479546	4.61746	4.578115	2.906434	2.804649	2.845681	2.911671	2.850343	2.930541	2.417026	2.618024	2.507643
DNAH2	ENSG00000183914	-1.11011	0.545598	-7.3349	9.86E-07	5.42E-06	5.571331	0.216396	0.316291	0.106501	0.106501	0.389229	0.2349	0.106501	0.253663	0.106501	4.759247	5.038233	4.640764	3.599754	3.652127	3.805912	4.684453	4.695442	4.546811
HTR7P1	ENSG00000183935	-0.06024	1.254562	-0.48601	0.632996	0.686184	-6.54903	1.959273	1.978677	2.079636	1.688986	2.03796	1.799787	1.389995	1.710758	1.38134	1.964162	1.699433	1.858866	1.954519	1.766169	1.900186	1.734264	1.513652	1.626848
PRKX	ENSG00000183943	-0.21618	5.369557	-2.37904	0.028992	0.045637	-5.00172	6.408146	6.496712	6.444597	6.122741	6.056841	6.051247	5.719113	5.862728	5.754509	4.660143	4.818421	4.703397	4.656506	4.693507	4.823548	4.746244	4.664642	4.694231
KMT5A	ENSG00000183955	-0.17344	5.866686	-2.88165	0.010146	0.017883	-4.10927	5.948335	5.873404	5.945657	5.980046	5.921921	5.840343	6.44139	6.363784	6.308606	5.81005	5.714797	5.829169	5.525587	5.40626	5.479705	5.902702	5.864653	5.909012
SMTN	ENSG00000183963	-0.33903	5.05086	-3.55333	0.002358	0.004865	-2.57705	5.493352	5.482886	5.597531	5.112883	5.296516	4.956049	5.015513	4.630987	4.940438	5.136363	5.048786	5.221665	4.968945	4.824228	4.842308	5.180117	4.949728	5.026544
COA3	ENSG00000183978	0.063848	5.538357	1.295109	0.212129	0.266504	-6.80656	5.885257	5.871329	5.897758	5.830775	5.891089	5.837817	5.679816	5.774066	5.906462	5.305186	5.152722	5.337805	5.468097	5.419382	5.354615	5.231053	5.243446	5.187851
PTP4A2	ENSG00000184007	0.082918	7.922911	2.080976	0.052435	0.077666	-5.84061	8.714198	8.717704	8.73303	8.941296	8.889081	8.906249	9.0257	9.027709	8.998186	6.926749	6.918513	6.925202	6.888686	6.825039	6.921416	7.170341	7.106764	7.113359
ACTG1	ENSG00000184009	-0.0666	11.46959	-1.67542	0.111649	0.151856	-6.76736	11.25139	11.21631	11.21901	11.02504	11.1111	11.00239	11.29056	11.23568	11.32596	11.77248	11.70587	11.65573	11.70895	11.76152	11.76753	11.74985	11.79702	11.86588
TMPRSS2	ENSG00000184012	1.488311	-0.82068	8.440859	1.42E-07	1.05E-06	7.740796	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.693825	2.590228	2.522234	4.122859	4.034047	3.837423	1.970607	1.981819	2.14716
DENND5A	ENSG00000184014	0.598351	5.472186	7.041629	1.69E-06	8.61E-06	4.761966	5.699026	5.656799	5.552509	6.527227	6.461589	6.479985	6.202659	6.241253	6.091965	4.641707	4.726103	4.81613	5.060393	4.931925	5.014844	5.015537	4.978189	5.063177
DSCR4	ENSG00000184029	-0.06797	-1.84795	-0.45397	0.655438	0.70605	-6.31512	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.555182	1.529011	1.305813	1.308151	1.282615	1.355599	1.320757	1.2488	1.115245
DIABLO	ENSG00000184047	0.076006	2.063721	0.599697	0.556404	0.616097	-6.65084	2.245129	2.356396	2.514675	2.181668	1.953662	2.605775	2.607661	2.290412	2.471058	2.243849	2.42184	2.30059	2.579013	2.581279	2.312654	2.583072	2.33471	2.350536
VPS33B	ENSG00000184056	-0.14195	4.582106	-1.27024	0.22065	0.276089	-6.71726	4.937612	4.945746	4.904734	4.487626	4.327153	4.170914	4.330652	3.956862	3.968647	4.826087	4.869913	4.87173	4.968945	5.006281	5.039439	4.76522	4.504286	4.726565
TBX1	ENSG00000184058	0.904475	0.164041	2.337299	0.03155	0.04923	-3.87146	2.526909	2.403106	2.469799	3.142765	3.188693	2.825643	2.376953	1.988058	2.408535	0.190076	0.259702	0.449284	0.5125	0.7293	1.002253	0.457048	0.433238	0.106501
ADAP2	ENSG00000184060	0.227666	1.160588	1.010863	0.325872	0.389216	-6.07422	2.27083	2.039077	1.744977	1.791994	1.612488	1.919272	1.648695	1.945386	1.50602	1.158593	1.300837	1.413989	1.473091	1.793303	2.014873	1.759719	1.613793	2.003758
UQCR10	ENSG00000184076	0.671204	5.792554	11.08704	2.47E-09	3.81E-08	11.43115	5.331806	5.469231	5.22472	6.23212	6.125878	6.044692	6.217704	6.187341	6.240692	5.378276	5.353339	5.440499	5.941587	5.90936	5.963744	5.905556	5.916229	5.878503
FAM120C	ENSG00000184083	0.802086	3.896614	4.273108	0.000486	0.001195	-0.69703	3.361722	3.472886	3.565652	4.839889	4.819175	4.884435	4.528631	4.637703	4.700591	3.730807	3.612795	3.636224	3.60569	3.858903	3.933868	3.711377	3.494411	3.611778
EIF3C	ENSG00000184110	-0.29821	4.805982	-2.83367	0.01124	0.019575	-4.04166	5.078891	4.99613	5.173166	4.359318	4.558804	4.241401	5.043928	4.894793	4.994649	4.908591	4.682721	4.92069	4.996315	4.697103	4.772296	4.953468	5.112633	5.081151
NIPSNAP1	ENSG00000184117	-0.09325	7.030194	-1.28575	0.215304	0.270063	-7.03248	7.082612	7.130301	7.088585	6.69611	6.727407	6.669439	6.636872	6.560395	6.564792	7.335154	7.238447	7.282191	7.414739	7.46965	7.434423	7.13187	7.169127	7.120329
LRTOMT	ENSG00000184154	0.606416	2.321556	6.253049	7.71E-06	3.17E-05	3.695874	1.894617	2.009193	2.194417	2.688367	2.193078	2.675323	1.917967	2.220554	2.239236	2.635389	2.817048	2.693003	3.228726	3.263212	3.21594	3.043104	3.127424	2.880366
KCNQ3	ENSG00000184156	-0.52594	-1.19158	-2.45249	0.024955	0.039977	-3.85807	0.216396	0.316291	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	1.704765	2.032826	1.67541	1.711947	1.591687	1.51998	1.354562	1.67689	1.739782
ADRA2C	ENSG00000184160	0.347255	3.188084	1.813253	0.087003	0.121834	-5.34736	4.615318	4.765319	4.817878	4.63346	5.07001	4.761901	4.730929	4.696781	4.860948	1.616888	1.369793	1.653508	2.343563	2.433888	2.589286	2.334732	2.169028	2.326628
NR2C2AP	ENSG00000184162	-0.65377	4.866637	-8.17308	2.23E-07	1.53E-06	6.883176	5.266237	5.237561	5.293935	4.540361	4.621619	4.518705	4.479546	4.562048	4.527529	5.339908	5.19846	5.353173	4.769223	4.668079	4.742646	5.151556	5.146465	5.109451
CRELD2	ENSG00000184164	0.731523	4.900999	7.395034	8.83E-07	4.93E-06	5.533835	5.067938	5.144404	5.025938	6.020383	6.031362	5.949645	5.486326	5.431657	5.636714	4.14101	3.919204	4.016833	4.486773	4.484656	4.484549	4.743057	4.584635	4.546811
SCFD2	ENSG00000184178	-0.57926	4.102301	-8.35467	1.64E-07	1.18E-06	7.323025	3.999005	3.983805	4.145977	3.605613	3.394558	3.584921	4.122591	4.060466	3.990155	4.769473	4.77459	4.845406	4.359059	4.143531	4.155068	4.555953	4.563921	4.365096
UBE2F	ENSG00000184182	0.328284	3.781603	4.945862	0.000113	0.000331	0.765	3.801557	3.99909	3.755225	4.072648	4.13	4.009735	4.154215	4.138304	4.112876	3.536933	3.455132	3.543997	3.988472	3.731427	3.910354	3.967679	3.863317	3.805852
KCNJ12	ENSG00000184185	-0.87075	2.128537	-5.92504	1.48E-05	5.59E-05	3.227042	4.102823	4.136747	3.922756	3.123142	3.410458	3.103073	4.454362	4.040332	3.957772	1.52331	1.467416	1.387696	1.018891	1.16289	1.002253	1.599785	1.406038	1.58715
GPR173	ENSG00000184194	1.396874	-0.62663	10.35667	7.00E-09	8.83E-08	10.70923	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.605258	2.889287	2.7037	4.002038	4.067774	4.12984	2.524879	2.95995	2.863849
PPP1R2	ENSG00000184203	0.064368	5.505612	0.854642	0.404312	0.469593	-7.29037	5.570401	5.649552	5.620809	5.444703	5.351085	5.327654	5.482179	5.506949	5.534291	5.406943	5.444072	5.537862	5.761881	5.755749	5.74193	5.414519	5.524288	5.612936
TSPYL2	ENSG00000184205	0.100277	4.288458	0.687041	0.501072	0.563281	-7.20701	3.836399	3.759847	3.93931	4.667726	4.65537	4.639633	4.101117	4.030158	3.783962	4.660143	4.648439	4.737631	4.467344	4.372183	4.315833	4.577584	4.747809	4.632189
PGP	ENSG00000184207	-0.16134	4.844886	-0.98231	0.339352	0.40332	-7.0059	4.816318	4.953612	4.95851	5.350809	5.473441	5.276352	5.282018	5.07384	5.136423	4.772865	4.735932	4.918395	4.093589	4.169652	4.165038	5.127316	5.009167	4.853297
C22orf46	ENSG00000184208	-0.47439	4.535873	-8.39962	1.52E-07	1.11E-06	7.319295	4.610293	4.644161	4.515184	4.132759	4.293254	4.293939	4.154215	4.175703	4.207726	5.09088	5.123069	5.145251	4.63635	4.718494	4.484549	4.859472	4.847164	4.874064
SNRNP35	ENSG00000184209	0.051546	4.282948	0.557168	0.584478	0.642139	-7.23781	4.252223	4.446492	4.515184	4.576883	4.842803	4.713128	4.4712	4.753535	4.482711	4.359822	4.247042	4.34187	4.106206	4.132949	4.199397	3.967679	4.029668	4.022248
IRAK1	ENSG00000184216	0.009892	8.879124	0.234566	0.817271	0.848611	-7.9421	9.1147	9.106168	9.172173	9.14171	9.244641	9.149677	9.385984	9.304035	9.379311	8.375107	8.41888	8.477278	8.448874	8.379737	8.36546	8.859898	8.77981	8.779906
CMSS1	ENSG00000184220	-0.62006	5.154067	-4.63632	0.000221	0.000595	-0.21236	5.45743	5.447111	5.571218	5.432797	5.270617	5.481188	5.038289	4.997573	5.026224	5.598832	5.434044	5.605019	4.583188	4.501207	4.580783	5.153958	5.089629	5.271631
PCDH9	ENSG00000184226	-0.09101	2.675091	-0.66536	0.514505	0.576652	-6.59263	4.179456	4.043996	4.229112	4.072648	4.177232	4.210498	4.185161	4.316298	3.990155	1.787595	2.011405	2.120715	1.524131	1.993753	1.667532	1.734264	1.878239	1.504318
ACOT1	ENSG00000184227	0.56528	2.488189	5.753427	2.10E-05	7.52E-05	2.656781	2.051128	2.009193	1.853768	2.393052	2.835252	2.845893	2.412257	2.420731	2.165532	2.943032	2.980302	2.974933	3.436163	3.213858	3.353069	3.200096	3.104657	3.279535
OAF	ENSG00000184232	-0.25098	0.490153	-0.55308	0.587216	0.644652	-6.13307	4.640181	4.463121	4.429894	3.999198	4.293254	4.027574	4.393833	4.090149	4.404775	0.106501	0.106501	0.288049	0.352262	0.345231	0.335616	0.183756	0.358227	0.106501
ALDH1A3	ENSG00000184254	0.400099	4.935761	2.509006	0.022215	0.035993	-4.96551	3.223781	2.9974	2.99819	1.104644	1.373859	1.055701	1.459147	1.658879	1.38134	8.328032	8.306574	8.402102	8.931909	8.889125	8.936538	8.382553	8.285123	8.300721
POU6F1	ENSG00000184271	1.085261	0.211318	2.496739	0.022785	0.036815	-3.57959	1.519087	2.332462	2.166567	2.425456	2.490996	2.402038	1.867984	2.184314	2.309357	0.106501	0.462741	0.397516	0.701742	1.077171	0.760679	0.686723	0.572487	0.734116
TM2D3	ENSG00000184277	0.281941	5.409632	4.074131	0.000751	0.001755	-1.5064	5.000411	4.980813	4.808898	5.316663	4.982309	5.227023	5.392213	5.388507	5.609178	5.548259	5.53695	5.527363	5.829386	5.885918	5.760131	5.72995	5.724222	5.765225
TSSC4	ENSG00000184281	-0.36398	5.527277	-4.4705	0.000316	0.000819	-0.64852	5.525735	5.690142	5.780922	5.087795	5.157403	5.063714	5.418495	5.528791	5.591697	5.667877	5.708155	6.012415	5.625379	5.501884	5.629423	5.884016	5.643597	5.557523
TACSTD2	ENSG00000184292	0.679803	2.725831	13.75479	8.25E-11	2.87E-09	14.82275	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	9.316925	9.39803	9.555263	10.04589	10.13517	10.14927	9.671043	9.615681	9.476718
PRKD1	ENSG00000184304	0.748609	2.97731	4.961923	0.00011	0.000321	1.037392	3.520128	3.628412	3.62825	4.640378	4.439897	4.499659	3.571163	3.809996	3.453254	2.320032	2.193623	2.25768	2.638129	2.50126	2.497588	2.568742	2.518186	2.629903
CCSER1	ENSG00000184305	0.339814	1.711118	2.914575	0.009457	0.016782	-3.36618	1.18244	1.780637	1.406977	1.326771	1.373859	1.367251	1.160105	1.001115	1.564539	2.763691	3.126946	2.983737	3.395624	3.292034	3.378997	2.782512	2.726388	2.81313
ZDHHC23	ENSG00000184307	0.438678	3.38118	2.820422	0.011561	0.020081	-3.88489	3.487617	3.39414	3.544167	2.955742	3.188693	2.697781	2.303642	2.511284	2.82232	3.798946	3.878373	3.834184	4.607058	4.627193	4.573316	3.7814	3.757829	3.840032
RPL23AP82	ENSG00000184319	-0.6347	3.259657	-3.17495	0.005392	0.010178	-2.9089	4.610293	4.584615	4.579961	3.661095	3.242978	3.321269	3.965091	3.736817	3.946814	3.047564	2.804649	2.893183	3.066031	2.875953	3.177059	2.878584	2.500854	2.724423
EFNA5	ENSG00000184349	0.117453	5.882923	0.509735	0.616613	0.671747	-7.57974	6.244294	6.228223	6.219134	5.5623	5.458224	5.528939	6.415526	6.328935	6.258527	5.477252	5.601093	5.66372	6.380325	6.344918	6.440813	5.329955	5.435851	5.445432
PKP3	ENSG00000184363	0.05598	6.004827	0.432514	0.670657	0.720212	-7.67329	5.626225	5.55188	5.727119	5.392386	5.637789	5.458352	5.026946	4.955186	5.107194	6.297236	6.514426	6.586086	6.639526	6.686276	6.610916	7.058772	6.936726	6.736203
MAP7D2	ENSG00000184368	-0.55588	2.741913	-7.72082	4.92E-07	2.98E-06	6.030648	1.235614	1.002471	1.028027	0.934951	0.92021	0.657796	0.269385	0.915275	0.515351	6.379648	6.351367	6.383119	5.839496	5.832965	5.80226	5.928183	5.879817	5.878503
CSF1	ENSG00000184371	-1.57003	5.073465	-4.72036	0.000184	0.000506	0.067229	7.4941	7.52221	7.63491	5.199754	4.955466	4.960699	5.609312	5.535999	5.602211	4.717605	4.107636	4.389024	4.359059	4.284065	4.389961	3.737235	3.815048	4.037057
ACTRT3	ENSG00000184378	-0.26027	1.55204	-1.96777	0.06517	0.094302	-4.92171	1.755904	1.708084	1.818408	1.578054	1.556428	1.993763	1.917967	1.605065	1.918715	2.356666	2.155072	2.286428	1.838325	1.970168	2.200805	2.384669	2.274787	2.649309
PLA2G6	ENSG00000184381	0.301436	1.830377	2.454664	0.024844	0.039817	-4.24445	1.791852	1.978677	1.78216	2.063099	2.193078	1.526279	1.317361	1.15884	1.727075	2.856146	2.561038	2.902498	3.048706	3.263212	3.021143	2.35157	2.429363	2.277588
MAML2	ENSG00000184384	1.359896	4.133192	15.79522	8.73E-12	5.73E-10	17.27682	2.668993	2.886707	3.104764	3.237064	3.6964	3.689474	2.637802	2.511284	2.408535	5.066207	5.176975	5.095351	6.628635	6.533737	6.546597	4.826728	5.036489	4.886383
SS18L1	ENSG00000184402	-0.05582	5.521446	-1.00421	0.328978	0.392268	-7.13332	5.541658	5.612764	5.581801	5.525403	5.561519	5.572123	5.856819	5.851216	5.79784	5.456306	5.518087	5.442097	5.306202	5.460164	5.40806	5.396376	5.665153	5.414576
TOP1MT	ENSG00000184428	0.018583	5.552685	0.164158	0.87149	0.894604	-7.69134	5.443372	5.393175	5.472309	4.797189	4.939117	4.879531	5.060712	5.146277	5.067277	5.967858	5.768456	6.0621	6.371642	6.234178	6.227866	5.9601	5.896482	5.859884
COPB2	ENSG00000184432	0.7808	7.513948	13.59619	9.94E-11	3.26E-09	14.60359	7.015784	7.067345	6.924712	8.014358	7.922812	8.019155	7.569699	7.673943	7.573583	7.134188	7.201682	7.178648	7.735184	7.794448	7.765346	7.631468	7.544935	7.634682
THAP7	ENSG00000184436	0.033094	4.719321	0.530787	0.602246	0.659019	-7.34554	4.846543	4.856254	4.887776	4.955356	5.114368	5.006395	4.944941	5.002785	5.097318	4.447347	4.588222	4.760864	4.558917	4.573423	4.456413	4.616418	4.680124	4.567359
AP001062.	ENSG00000184441	0.438106	0.646071	2.027958	0.058089	0.08511	-4.5169	1.384302	1.708084	1.667608	1.840866	1.996426	2.22781	2.102195	1.901414	1.777424	0.834246	0.695454	0.921995	0.828978	0.784432	1.129895	1.354562	1.442809	1.273688
KNTC1	ENSG00000184445	-1.17122	4.701476	-6.60525	3.88E-06	1.75E-05	4.038158	5.030813	4.822285	5.105102	4.584077	4.507984	4.713128	4.825625	5.068879	4.945952	5.230663	5.419887	5.123508	3.5452	3.552417	3.760608	5.139487	5.143675	5.217405
NCMAP	ENSG00000184454	-0.49218	0.446655	-2.0383	0.056944	0.083666	-4.98012	0.216396	0.215206	0.106501	0.395333	0.625525	0.461789	0.269385	0.726566	0.515351	3.695491	3.486521	3.636224	2.995443	2.714997	2.976553	3.011667	2.99751	3.121769
WDR27	ENSG00000184465	-0.41973	3.90916	-3.72392	0.001621	0.00348	-2.03431	4.10996	4.065935	4.003689	3.162124	3.151334	3.086148	3.277716	3.633086	3.4839	4.637991	4.854958	4.569452	4.63635	4.358622	4.500385	4.083081	4.205799	4.411295
TXNRD2	ENSG00000184470	0.302611	5.188204	2.937968	0.008994	0.016047	-3.8877	5.45743	5.358041	5.440682	5.325276	5.4273	5.223158	5.668911	5.499594	5.591697	4.7455	4.672521	4.681918	5.326113	5.322591	5.343684	5.046891	5.042491	4.958165
FOXO4	ENSG00000184481	0.867859	2.551182	4.065023	0.000766	0.001787	-0.85727	3.288121	3.128277	3.231147	3.54791	3.31232	3.231764	3.33403	2.894433	2.798137	2.033684	1.945166	1.759838	3.27416	3.243672	3.206318	2.247458	2.054898	2.06284
PTP4A3	ENSG00000184489	0.091751	2.63329	0.467335	0.646034	0.697874	-6.92802	3.056542	3.260998	3.075109	2.48816	2.71237	2.164723	2.752438	2.220554	2.165532	2.736149	2.877496	2.756026	3.339736	3.38415	3.106389	3.254827	3.116085	3.093712
TMEM255I	ENSG00000184497	-0.28637	-0.12352	-1.31727	0.204757	0.258257	-5.91894	0.318509	0.410755	0.219246	0.106501	0.625525	0.2349	0.106501	0.387194	0.256032	2.589954	2.516115	2.485514	2.300295	2.50126	2.07955	2.935534	2.985098	2.84714
PROS1	ENSG00000184500	1.600511	5.071739	9.09845	4.81E-08	4.31E-07	8.515928	4.846543	5.022548	4.970641	6.900119	6.880799	6.986888	6.042896	6.119389	5.951015	4.076585	4.107636	4.079775	4.98725	4.968095	4.95577	3.749992	3.948889	3.707454
HDDC3	ENSG00000184508	0.397698	3.951813	4.328935	0.00043	0.001072	-0.65343	3.562366	3.750846	3.443319	4.325376	4.368438	4.130213	4.045989	3.924273	3.957772	3.831846	3.981119	4.224215	4.241981	4.164465	4.223448	4.194605	4.247965	4.223386
ZFP1	ENSG00000184517	-0.05736	3.547967	-0.65287	0.522336	0.584005	-6.97542	3.701161	3.855322	3.698006	4.092964	3.759832	3.9455	3.747379	3.924273	3.90213	3.60703	3.562131	3.507833	3.259174	3.38415	3.335521	3.574643	3.511821	3.725851
DUSP8	ENSG00000184545	-0.1343	3.823558	-0.59884	0.556959	0.616665	-7.06066	5.114814	4.933864	5.180147	4.40878	4.158524	4.264152	4.245129	4.444399	4.372382	3.226465	3.116952	3.225594	3.928165	4.022628	3.8186	2.878584	2.841019	2.760563
SOCS3	ENSG00000184557	-0.08127	6.806656	-1.01322	0.324777	0.388233	-7.16045	8.653212	8.537412	8.619487	8.657809	8.755021	8.600259	8.746358	8.63028	8.803509	5.107097	5.130539	5.327468	4.881128	4.856747	4.76576	5.015537	5.063304	4.836464
SLITRK6	ENSG00000184564	0.458562	2.196924	2.284021	0.035122	0.054197	-4.79963	2.080492	2.09705	2.138168	0.934951	1.164793	1.310092	1.240874	1.15884	0.833554	3.312899	3.562131	3.439082	4.241981	4.154036	3.996621	4.010719	3.910024	3.814473
XPOT	ENSG00000184575	-0.58669	8.237848	-16.4546	4.46E-12	3.49E-10	17.78668	8.700374	8.690893	8.655626	8.187901	8.120623	8.23078	8.765254	8.75559	8.732306	8.166219	8.147527	8.151467	7.460086	7.517216	7.49693	8.21698	8.128886	8.249586
STING1	ENSG00000184584	-0.0773	3.188211	-0.90274	0.378938	0.443522	-7.11994	1.010037	1.551021	0.829201	1.326771	1.996426	1.475193	1.389995	1.710758	1.445026	5.757935	5.83093	5.840118	5.675625	5.652103	5.692815	5.769645	5.716735	5.656743
PDE4B	ENSG00000184588	0.19076	1.840853	0.479604	0.637456	0.689979	-6.21399	7.043074	7.183116	7.230694	7.418712	7.292538	7.33194	7.707525	7.631674	7.627762	0.106501	0.185134	0.106501	0.171976	0.106501	0.106501	0.326864	0.433238	0.409347
SNN	ENSG00000184602	0.823194	4.679975	6.099052	1.05E-05	4.12E-05	2.935772	3.085796	3.450822	3.522358	4.96641	4.752128	5.006395	4.143751	4.09991	4.216877	5.024124	5.048786	5.016036	5.495531	5.481175	5.526854	5.528118	5.513525	5.572848
NELL2	ENSG00000184613	1.019962	0.58971	7.045864	1.68E-06	8.55E-06	5.046248	0.106501	0.215206	0.106501	0.258133	0.25478	0.2349	0.269385	0.253663	0.256032	4.295234	4.305413	4.289577	5.206215	5.246098	5.253122	3.290193	3.356678	3.387478
MED12	ENSG00000184634	0.20281	5.555012	2.763779	0.013037	0.022372	-4.32482	5.603648	5.610278	5.724733	5.647184	5.644527	5.735705	5.897874	5.575011	5.673738	5.41565	5.531317	5.185873	5.730985	5.655804	5.716735	5.375946	5.353756	5.481066
ZNF93	ENSG00000184635	-1.21423	-0.73546	-7.87548	3.74E-07	2.37E-06	6.786122	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.45483	3.26005	3.495574	2.24051	2.326537	2.058312	3.281432	3.404065	3.540816
SEPTIN9	ENSG00000184640	0.901689	9.030045	10.40657	6.50E-09	8.31E-08	10.17159	8.366698	8.418462	8.457258	9.542966	9.715324	9.581182	8.86179	8.784626	8.783246	8.717053	8.780583	8.786315	9.434924	9.383414	9.373755	9.214511	9.219464	9.172705
CDCA2	ENSG00000184661	-1.94376	3.623882	-7.09276	1.54E-06	7.95E-06	5.231873	3.887134	3.759847	3.828148	3.237064	3.410458	3.391835	4.101117	4.273815	4.00079	4.796392	4.547875	4.657367	2.145912	2.23054	1.992654	4.574001	4.568087	4.45054
OR7E14P	ENSG00000184669	0.031234	-0.7407	0.107216	0.915838	0.931535	-6.64499	0.106501	0.499412	0.106501	0.258133	0.512209	0.3528	0.269385	0.106501	0.106501	2.14259	2.355385	2.021603	1.954519	1.793303	2.121111	1.880661	1.766644	1.58715
AMER1	ENSG00000184675	-0.26131	4.163045	-2.92378	0.009272	0.016493	-3.66573	5.030813	5.033724	5.014266	4.525489	4.500575	4.645422	4.528631	4.68386	4.592248	3.844798	3.7289	3.712353	3.850304	3.606961	3.780199	3.799922	3.728346	3.881648
ZBTB40	ENSG00000184677	0.318483	5.282193	3.69802	0.001716	0.003664	-2.30981	4.925527	4.724521	4.921495	5.540275	5.589722	5.481188	5.257962	5.188055	5.252213	5.402569	5.448064	5.38509	5.477839	5.397445	5.51326	5.494399	5.31709	5.453733
H2BC21	ENSG00000184678	0.578001	4.807828	7.319789	1.01E-06	5.55E-06	5.190622	2.218961	2.179863	2.326135	3.619685	3.295295	3.655458	2.637802	2.728183	2.643847	6.920645	6.990071	6.948998	7.418116	7.432918	7.386764	6.790496	6.859786	6.818864
SEPTIN5	ENSG00000184702	0.670266	2.56376	5.953492	1.40E-05	5.33E-05	3.195286	3.643304	3.638208	3.443319	4.171485	4.13	3.9455	3.690999	3.749274	3.832397	1.616888	1.55885	1.653508	2.357702	2.127698	2.416453	1.734264	1.981819	1.81044
EIF4ENIF1	ENSG00000184708	-0.28761	5.539863	-6.01455	1.24E-05	4.78E-05	2.671419	6.035255	5.78137	5.774017	5.619441	5.661235	5.559916	5.869576	5.824975	5.773239	5.495847	5.4757	5.568909	5.239047	5.162721	5.217641	5.363548	5.451724	5.423057
RNLS	ENSG00000184719	0.475384	-0.83486	1.733744	0.100567	0.138581	-5.08343	0.318509	0.215206	0.219246	0.395333	0.625525	0.2349	0.106501	0.387194	0.106501	1.52331	1.403073	1.333627	1.776519	1.793303	1.390007	1.85727	1.368306	1.665483
FAM110C	ENSG00000184731	0.474832	1.223607	2.793108	0.012252	0.021167	-3.25264	1.894617	2.332462	2.079636	2.457149	2.193078	2.5075	1.816207	2.147141	1.918715	1.116489	1.672391	1.188864	1.878105	1.462417	1.667532	1.177011	1.2488	1.370407
ATL3	ENSG00000184743	-0.1802	6.677165	-1.97032	0.064854	0.093883	-5.97437	6.387736	6.422128	6.337827	6.605325	6.541374	6.609997	6.415526	6.563926	6.321389	7.064615	7.122098	7.047283	6.579714	6.647769	6.617284	7.042013	7.035578	7.09313
NDUFA12	ENSG00000184752	-0.3161	5.850917	-6.83042	2.52E-06	1.21E-05	4.253852	6.191444	6.115281	6.073013	5.938549	5.859584	5.783733	5.958837	6.001973	6.036192	6.007276	5.99816	5.884278	5.509846	5.631577	5.706532	5.677494	5.663206	5.745073
SMIM10	ENSG00000184785	-0.17934	2.591383	-1.05584	0.305417	0.367807	-6.3112	3.19722	3.286138	3.511328	3.54791	3.531716	3.510758	3.137083	3.578282	3.323715	2.444376	2.355385	2.604447	1.954519	2.169719	1.695314	2.368215	2.500854	2.48622
DYNLT2	ENSG00000184786	-0.02509	0.028717	-0.1282	0.899455	0.917758	-6.54703	0.742531	0.582935	0.829201	0.635873	0.730585	0.461789	0.782422	0.726566	0.256032	1.676063	1.672391	1.820066	1.954519	1.681564	1.667532	1.320757	1.329561	1.665483
UBE2G2	ENSG00000184787	-0.14635	6.929846	-3.23438	0.004738	0.009062	-3.53503	6.526223	6.479106	6.565494	6.35076	6.397219	6.370669	6.452032	6.429119	6.460789	7.635026	7.619104	7.511045	7.43655	7.450069	7.438539	7.191539	7.293873	7.362227
OSBP2	ENSG00000184792	0.769165	1.331203	3.71815	0.001642	0.00352	-1.32845	2.080492	2.258179	1.853768	2.933382	2.948483	2.741673	2.26554	2.108984	1.962896	1.199504	1.112482	1.158083	1.248697	1.462417	1.639204	1.599785	1.368306	1.81044
APOO	ENSG00000184831	-0.71134	4.941242	-9.80389	1.60E-08	1.75E-07	9.674687	6.249151	6.229843	6.24766	5.510375	5.647884	5.605169	5.69064	5.810187	5.741885	4.451587	4.382523	4.478947	3.741287	3.688714	3.68641	4.315393	4.156841	4.359215
TMED9	ENSG00000184840	0.39901	7.831207	8.389154	1.54E-07	1.12E-06	6.956753	7.531791	7.538647	7.52884	8.018347	8.110925	8.021382	8.003578	8.01819	8.049398	7.654007	7.622199	7.685431	7.9644	7.936611	7.924196	7.865254	7.81546	7.791918
TMEM186	ENSG00000184857	-0.0451	4.487906	-0.49086	0.62963	0.683158	-7.37125	4.245758	4.342481	4.320409	3.863871	3.988879	4.096805	4.393833	4.332946	4.626988	4.998272	4.755391	4.895252	4.957386	5.01783	4.932613	4.717304	4.725598	4.775955
SDR42E1	ENSG00000184860	-0.42664	-0.79169	-2.24277	0.03814	0.058356	-4.43081	0.216396	0.215206	0.219246	0.395333	0.106501	0.106501	0.106501	0.106501	0.106501	2.736149	2.212518	2.369387	1.99126	2.127698	2.161508	2.317694	2.190809	2.119598
RBM33	ENSG00000184863	-0.30764	5.53325	-4.00378	0.000876	0.002017	-1.65587	5.924244	5.983164	5.980067	5.408686	5.321958	5.408166	5.888503	5.833775	5.770134	5.428613	5.518087	5.417941	5.345753	5.345687	5.473701	5.348947	5.365774	5.417409
ARMCX2	ENSG00000184867	1.556102	1.801667	8.373241	1.59E-07	1.15E-06	7.653139	1.519087	1.780637	1.921989	3.376187	3.132285	2.763128	3.258446	3.141256	2.915195	1.490718	1.300837	1.188864	2.25569	2.23054	2.312654	1.880661	1.956613	1.665483
BTBD6	ENSG00000184887	0.275111	5.498013	5.230376	6.21E-05	0.000195	0.999184	5.060589	4.969219	4.954444	5.236746	5.458224	5.421721	5.461262	5.246342	5.37174	5.656903	5.56479	5.708223	5.899924	5.824769	5.807042	6.06974	5.946952	5.909012
H1-10	ENSG00000184897	-0.25441	6.030322	-3.09351	0.006433	0.011935	-3.72206	6.101207	6.224976	6.309455	5.815573	5.984333	5.671913	5.860019	5.79224	5.983548	6.103374	6.076316	6.387272	6.019248	6.163149	5.985004	6.349808	6.168947	5.960412
RBM43	ENSG00000184898	0.721654	2.615627	5.541484	3.25E-05	0.00011	2.225645	2.744313	2.37994	2.865896	3.325575	3.073582	2.629332	2.446718	2.777669	2.501332	2.444376	2.646894	2.714318	3.281595	3.528394	3.445943	2.731965	2.827179	2.880366
SUMO3	ENSG00000184900	-0.0818	6.565731	-2.21549	0.040267	0.061189	-5.53421	5.832299	5.854621	5.801441	5.674404	5.754503	5.827671	6.195078	6.196467	6.289216	7.124262	7.056287	7.208528	7.075114	7.048409	7.013954	7.58639	7.485044	7.472559
IMMP2L	ENSG00000184903	-0.78039	3.870756	-4.92928	0.000118	0.000341	0.683223	4.95357	4.905754	4.908943	3.727576	3.441741	3.472196	3.523527	3.856799	3.867685	4.01489	4.157244	4.079775	3.899458	3.799921	3.773698	3.724364	3.743163	3.679412
JAG2	ENSG00000184916	0.70936	4.582029	4.635576	0.000221	0.000595	-0.13151	4.516725	4.619648	4.857612	4.640378	4.668652	4.633822	4.445869	4.397684	4.216877	4.026306	4.247042	4.310722	5.365129	5.329559	5.323798	4.826728	4.721863	4.461559
FMNL1	ENSG00000184922	0.297658	4.921288	1.51005	0.148897	0.195659	-6.00812	7.640526	7.626772	7.714005	7.838263	7.864127	7.82816	7.546053	7.412266	7.490186	1.704765	1.922393	1.933468	2.872818	2.743101	2.661487	3.063688	2.841019	2.81313
PTRHD1	ENSG00000184924	0.292973	4.597647	3.206856	0.005031	0.00955	-3.16862	5.089762	5.003727	5.11242	5.218368	5.33034	5.227023	5.296262	5.219733	5.420081	3.87036	3.890158	4.171248	4.352013	4.326476	4.423569	4.047354	4.227036	3.716682
ZFP90	ENSG00000184939	0.37061	5.436366	3.951767	0.000982	0.002229	-1.82138	4.511345	4.366251	4.37619	4.97738	4.939117	5.00189	4.504297	4.332946	4.420702	6.115449	6.071149	6.000535	6.347934	6.374416	6.323319	6.631545	6.642869	6.655731
FAM227A	ENSG00000184949	1.201046	0.384528	4.68139	0.0002	0.000545	0.658322	0.503316	0.499412	1.146821	1.791994	0.625525	1.475193	0.415731	0.622068	0.39151	1.586365	2.032826	1.413989	2.529911	2.700737	2.416453	1.214313	1.442809	1.942153
NOC4L	ENSG00000184967	-0.17777	5.109331	-2.30397	0.033743	0.052301	-5.16386	5.156772	5.185067	5.332045	5.046722	5.133653	5.080903	4.758625	4.728586	5.036597	5.250266	5.27236	5.448471	5.178604	5.15751	5.079521	5.332078	5.428995	5.133766
USP18	ENSG00000184979	-0.93038	4.248723	-9.65485	2.01E-08	2.09E-07	9.400157	3.498536	3.557914	3.544167	3.21869	3.188693	3.200652	3.315502	3.26787	3.373665	5.687782	5.561109	5.673276	4.549709	4.653345	4.660464	5.6708	5.784554	5.81333
NDUFA6	ENSG00000184983	0.078204	5.755314	1.498049	0.151963	0.199137	-6.56465	5.950324	6.002253	5.86564	6.164136	6.168576	6.152273	6.048517	6.212301	6.099406	5.475171	5.469823	5.554208	5.389419	5.487419	5.455539	5.503845	5.513525	5.588012
TMEM121	ENSG00000184986	0.6196	0.050951	1.7372	0.099941	0.137825	-5.02091	0.667115	0.875715	0.756332	1.519216	1.437317	1.526279	0.782422	0.253663	0.833554	0.834246	1.112482	1.413989	1.27873	1.357245	1.002253	1.542275	1.478665	1.273688
TMEM106/	ENSG00000184988	1.235487	1.290426	5.683536	2.42E-05	8.51E-05	2.776694	1.286899	1.780637	1.78216	2.548252	2.229385	2.557474	2.513265	2.481727	2.471058	0.982259	1.435603	1.027938	2.027088	1.970168	1.900186	1.708352	1.478665	1.058313
SIVA1	ENSG00000184990	-0.36272	5.349001	-4.54109	0.000271	0.000713	-0.48186	5.156772	5.218099	5.27123	4.605448	4.801196	4.55606	5.104539	4.960553	4.951444	5.726788	5.818649	6.005947	5.631211	5.620257	5.607658	6.119744	6.076911	5.736026
BRI3BP	ENSG00000184992	-1.06302	6.467484	-5.16939	7.06E-05	0.000218	0.814027	7.249446	7.323296	7.359283	6.955259	6.998553	6.931113	7.133784	7.226503	7.062881	6.459712	6.547358	6.556149	4.656506	4.722029	4.705559	6.351901	6.286139	6.27031
DGAT1	ENSG00000185000	0.248042	5.232413	5.805522	1.89E-05	6.85E-05	2.241182	4.707601	4.696667	4.647003	4.851861	5.019069	4.889321	4.914487	4.87219	5.03142	5.554185	5.570294	5.605019	5.83192	5.743628	5.882997	5.685817	5.722354	5.694596
AP3M1	ENSG00000185009	0.073365	6.532715	1.485682	0.155178	0.202863	-6.65775	7.174835	7.251721	7.225642	7.340151	7.194934	7.347115	7.404209	7.429785	7.318037	5.666054	5.856683	5.701568	5.893872	5.710205	5.807042	5.898412	5.740928	5.958469
F8	ENSG00000185010	-0.28098	3.181819	-2.54745	0.020517	0.033525	-4.27425	3.100204	3.128277	2.933559	3.041869	3.151334	3.364021	3.050103	3.002451	2.981126	3.77884	3.605665	3.759253	3.266686	3.348006	3.21594	3.951202	3.728346	3.734962
CA13	ENSG00000185015	1.183448	3.249914	8.114504	2.47E-07	1.67E-06	7.082603	3.361722	3.027527	3.06005	4.092964	4.177232	3.926609	3.80164	3.605944	3.572114	2.83033	2.841532	2.893183	4.097807	3.981932	4.067427	2.625227	2.711397	2.724423
UBOX5	ENSG00000185019	-0.07326	3.767085	-0.77413	0.449199	0.513272	-7.06802	3.792713	3.657602	3.828148	3.342644	3.170134	3.643939	3.115825	3.122225	3.528681	4.434552	4.157244	4.47583	4.460809	4.480488	4.315833	4.151986	3.93605	4.197255

MAFF	ENSG00000185022	-1.24474	3.764281	-6.36487	6.19E-06	2.62E-05	3.749793	4.467563	4.440906	4.48167	2.48816	2.904251	2.629332	4.437325	4.405576	4.585199	4.391063	4.137605	4.389024	3.587808	3.462307	3.608189	3.883346	3.980496	3.621636
BRF1	ENSG00000185024	0.00608	5.263848	0.104646	0.917848	0.932847	-7.64171	5.015692	5.030008	5.018167	4.915985	4.987618	4.793524	4.986526	4.866483	4.91817	5.600742	5.504735	5.640247	5.786914	5.568187	5.634814	5.820423	5.753789	5.617869
SEMA4B	ENSG00000185033	0.302852	6.239922	3.354419	0.003646	0.00716	-3.21671	5.282121	5.355074	5.47515	5.122798	5.253089	5.377194	5.605504	5.197177	5.216162	6.794472	6.91995	6.854366	7.409658	7.360496	7.301776	7.459127	7.402282	7.36443
CIB1	ENSG00000185043	0.325101	6.613697	2.959954	0.00858	0.015379	-4.06098	6.568285	6.631548	6.626822	6.400512	6.56997	6.458774	6.849809	6.775114	6.860262	6.245675	6.242964	6.282357	6.990875	6.980681	6.901429	6.658015	6.698095	6.58191
NELFA	ENSG00000185049	-0.42157	5.690648	-4.17719	0.000599	0.001436	-1.32128	5.724825	5.902145	6.013674	4.99368	5.124043	4.997371	5.628203	5.557409	5.653661	5.896563	5.946895	6.148806	5.961398	5.76263	5.876944	5.979187	5.961279	5.832557
FLRT2	ENSG00000185070	1.756233	5.330922	9.502039	2.54E-08	2.54E-07	9.227462	5.834455	5.801125	5.776322	7.905855	7.836441	7.979034	7.336905	7.370541	7.29013	3.403229	3.232543	3.218152	3.904282	3.903166	4.002193	4.185243	4.134537	4.037057
INTS5	ENSG00000185085	0.081624	5.621139	1.553545	0.138213	0.183241	-6.51369	5.250176	5.191734	5.303557	5.342348	5.239802	5.175948	5.356409	5.38452	5.300358	6.120784	5.887875	5.964298	6.167071	6.064975	6.102489	6.02189	5.983288	5.880558
RPS27L	ENSG00000185088	-0.23511	6.235957	-2.77416	0.012754	0.021936	-4.31357	7.864358	7.864913	7.785559	7.49703	7.371825	7.391704	7.272324	7.39948	7.390594	5.071726	5.167323	5.113515	5.246665	4.985845	5.28547	4.76522	4.559742	4.726565
MANEAL	ENSG00000185090	0.766483	4.595833	8.066976	2.68E-07	1.79E-06	6.764264	4.165822	4.136747	4.441562	5.363409	5.194607	5.155812	4.552561	4.709588	4.694053	4.167027	4.36574	4.197974	4.856446	4.78759	4.722535	4.856526	4.699246	4.780362
ADSS1	ENSG00000185100	0.636358	3.216482	3.24255	0.004655	0.008918	-2.77724	3.337603	3.286138	3.443319	3.308302	3.31232	3.292047	4.143751	3.90213	3.879258	2.749986	2.865607	2.53427	3.746669	3.759216	3.740748	3.143207	3.256961	3.065099
ANO9	ENSG00000185101	0.930879	0.155954	4.748893	0.000173	0.00048	0.447285	0.318509	0.215206	0.219246	0.106501	0.106501	0.106501	0.548589	0.106501	0.106501	3.45483	3.569479	3.164958	4.417596	4.288839	4.500385	3.493521	3.520448	3.477085
FAF1	ENSG00000185104	-0.70377	5.58791	-14.771	2.61E-11	1.22E-09	16.11134	5.784032	5.869251	5.792357	5.117849	5.084948	5.046319	5.213624	5.155666	5.238799	6.243231	6.163866	6.187425	5.55042	5.512128	5.566882	5.892671	5.856159	5.878503
FAM43A	ENSG00000185112	-0.06877	1.827663	-0.32928	0.745854	0.787545	-6.9808	2.320899	2.49222	2.109199	1.326771	1.437317	1.575618	0.983587	1.367163	0.515351	2.918737	3.034402	3.141546	3.296351	3.120528	3.263113	3.063688	2.601856	2.760563
NSMCE3	ENSG00000185115	-0.0312	4.275067	-0.34749	0.732369	0.776068	-7.16172	5.585841	5.501788	5.525355	5.44865	5.514478	5.487647	5.907184	5.859858	5.845819	3.17611	2.841532	3.254982	3.197622	3.272884	2.870883	3.171932	3.104657	3.31642
HSF1	ENSG00000185122	-0.00783	7.327797	-0.17172	0.865634	0.88949	-7.875	6.894964	6.876741	7.036644	6.751478	6.966647	6.824175	6.955301	6.869431	6.949428	7.687647	7.657964	7.831574	7.823153	7.745795	7.770252	7.846815	7.846666	7.73969
C6orf120	ENSG00000185127	0.246828	5.800469	5.607476	2.83E-05	9.77E-05	1.74036	5.506933	5.433112	5.56323	5.768983	5.782263	5.730269	5.319693	5.241941	5.238799	6.008715	6.094257	6.150762	6.313893	6.38002	6.270045	6.071011	6.020253	6.006286
PURA	ENSG00000185129	-0.16812	5.64857	-3.41508	0.003193	0.00636	-2.94573	6.027737	5.956007	6.001902	5.90734	5.856685	5.958972	6.164346	6.092752	6.167064	5.447841	5.493191	5.465856	5.246665	5.263181	5.163969	5.317154	5.334317	5.356727
INPP5J	ENSG00000185133	2.100884	1.119372	8.91697	6.44E-08	5.49E-07	8.530611	0.503316	0.661886	0.679585	2.633943	2.398361	2.825643	0.782422	0.726566	1.244857	1.616888	1.752042	1.933468	3.048706	3.077028	3.032078	1.926335	2.124453	1.877799
LRRC37B	ENSG00000185158	0.825442	1.357351	6.4058	5.71E-06	2.44E-05	4.172453	1.602421	1.883052	1.818408	2.548252	2.229385	2.374422	2.144798	2.029503	2.047395	1.278001	1.699433	1.248523	1.897591	2.016959	1.923865	1.681967	1.547811	1.58715
DDX51	ENSG00000185163	-0.54405	5.768891	-11.6972	1.08E-09	2.01E-08	12.29887	6.582466	6.535229	6.558814	5.890028	5.979012	5.986596	6.195078	6.082943	6.178819	5.625347	5.518087	5.71749	5.215949	5.13912	5.128745	5.412514	5.31709	5.29338
NOMO2	ENSG00000185164	0.03219	6.183528	0.603901	0.553668	0.613401	-7.52988	6.564394	6.620472	6.629375	6.827712	6.644126	6.836877	6.777194	6.855094	6.911887	5.673333	5.688044	5.634668	5.576346	5.54043	5.532641	5.803695	5.735381	5.847335
LINC00482	ENSG00000185168	0.688663	0.424586	3.018739	0.00756	0.01376	-2.79959	0.947665	1.118985	0.598525	0.635873	1.006428	1.188496	0.415731	0.915275	0.925731	1.388276	1.588084	1.333627	2.193986	1.946191	1.970087	1.627702	2.078458	2.003758
SIGIRR	ENSG00000185187	0.203905	4.724482	1.628063	0.121403	0.163806	-6.18074	5.1077	5.175008	5.022058	4.753186	4.922581	4.809079	5.141824	5.174263	5.261087	4.109157	4.147458	4.303708	4.863895	4.834061	4.705559	4.62683	4.695442	4.416967
NRBP2	ENSG00000185189	1.21675	4.55161	17.87485	1.13E-12	1.24E-10	19.34461	3.919992	3.855322	4.011539	5.132645	4.939117	4.78306	3.853933	4.080322	3.979442	4.464232	4.672521	4.335006	5.739109	5.757473	5.715039	4.552316	4.725598	4.632189
IFITM2	ENSG00000185201	0.495065	5.526439	7.080679	1.58E-06	8.09E-06	4.871981	6.110133	6.180419	6.275633	6.660819	6.859239	6.861952	6.778885	6.717636	6.857339	4.472601	4.287703	4.335006	4.673561	4.630959	4.62479	4.598895	4.65292	4.637057
TNFAIP2	ENSG00000185215	-0.81296	8.696392	-2.87609	0.010268	0.018068	-4.40551	9.722133	9.746747	9.843612	7.631584	7.837177	7.663929	8.442405	8.330006	8.382912	8.738467	8.64175	8.707958	9.001521	8.951429	9.020268	8.625384	8.648485	8.669895
ZNF445	ENSG00000185219	-0.29749	4.48723	-4.65812	0.00021	0.00057	-0.07164	4.2778	4.136747	4.235828	4.122913	3.967543	4.162865	4.393833	4.504423	4.270596	5.141621	5.046155	5.005268	4.673561	4.749998	4.653399	4.9115	4.822959	4.898598
PGBD2	ENSG00000185220	0.021327	3.683472	0.330926	0.744634	0.786432	-7.17077	4.10996	3.944869	4.109872	3.999198	4.030628	4.009735	4.034706	4.090149	4.032233	3.496465	3.619889	3.419749	3.5452	3.637228	3.556108	3.630901	3.413359	3.669942
TCEAL9	ENSG00000185222	-0.07316	2.13007	-0.2187	0.829419	0.858783	-6.30932	7.813894	7.842315	7.764812	7.756245	7.66479	7.747708	7.552001	7.588995	7.603546	0.106501	0.330605	0.16959	0.171976	0.190544	0.263213	0.106501	0.358227	0.214669
RAB11B	ENSG00000185236	0.425268	5.791205	3.027424	0.00742	0.013537	-3.78992	6.349049	6.394941	6.478973	6.301416	6.424879	6.278694	6.309508	6.18505	6.315012	4.809665	4.899366	5.074898	5.927438	5.862089	5.849389	5.177758	5.1548	4.977487
PRMT3	ENSG00000185238	-0.348	4.759139	-5.18891	6.78E-05	0.00021	1.078504	5.194191	5.17164	5.344527	5.015132	5.054916	5.147678	5.003988	5.053893	5.067277	4.809665	4.739193	4.737631	4.187612	4.230476	4.398437	4.588279	4.469068	4.45606
PRPF39	ENSG00000185246	-0.53376	5.558502	-9.72994	1.79E-08	1.91E-07	9.412338	5.993415	5.975457	5.947704	5.176143	5.321958	5.291197	5.821145	5.836697	5.738712	5.632834	5.691415	5.586355	5.271149	5.253444	5.260115	5.55199	5.603561	5.673426
ZNF74	ENSG00000185252	0.286012	4.233339	3.934523	0.00102	0.002303	-1.60368	4.12413	4.268725	3.971859	4.132759	4.222966	4.400463	4.154215	4.070428	4.00079	4.256985	4.390842	4.362268	4.790225	4.638459	4.62479	4.522885	4.189664	4.483349
KIAA0825	ENSG00000185261	0.215035	2.634365	0.861891	0.400418	0.465754	-6.43714	3.747663	3.8803	3.565652	3.988393	3.722109	3.838399	4.591583	4.290959	4.640652	1.940223	1.699433	1.933468	2.25569	1.946191	2.220059	1.354562	1.442809	1.844513
UBALD2	ENSG00000185262	-0.94822	4.005588	-7.844	3.95E-07	2.48E-06	6.396148	4.081197	3.99909	4.080323	2.291228	2.460774	2.455733	3.602068	3.214961	3.306673	5.238045	5.231258	5.324005	4.679202	4.573423	4.504317	5.062316	5.190374	4.914724
RBM11	ENSG00000185272	-0.24651	1.081489	-1.21829	0.239303	0.296485	-5.90939	2.296082	2.152784	2.049454	1.888135	1.612488	1.422231	1.074544	1.549165	1.01237	1.91588	1.644832	1.631268	1.644349	2.016959	1.749324	1.286141	1.442809	1.775544
ZBTB37	ENSG00000185278	-0.32607	4.241385	-3.96619	0.000952	0.002168	-1.43923	4.625314	4.729112	4.95851	4.290615	4.447623	4.777799	4.902122	4.917048	4.956916	4.048869	4.107636	3.986493	3.599754	3.738425	3.707028	3.989359	3.955266	4.066226
CCDC137	ENSG00000185298	-0.09675	6.734629	-2.55901	0.020031	0.032827	-4.89467	6.514168	6.558629	6.61141	6.487492	6.566426	6.558776	6.682771	6.586665	6.537661	7.026043	6.909856	7.019725	6.861035	6.83405	6.802715	6.975676	7.012066	6.931137
ARL15	ENSG00000185305	1.194529	1.552403	7.181553	1.31E-06	6.90E-06	5.613077	2.438959	2.55562	2.221741	3.605613	3.31232	3.459109	3.19904	3.26787	3.323715	0.834246	1.07167	0.846782	1.644349	1.462417	1.423614	1.419885	0.924142	1.115245
CDK10	ENSG00000185324	0.175136	5.62359	1.740873	0.09928	0.137019	-6.2142	5.724825	5.610278	5.64119	5.753112	5.488499	5.584228	5.93476	5.528791	5.735532	5.656903	5.662504	5.536367	6.006965	5.885918	5.963744	5.255863	5.396559	5.403191
TMEM105	ENSG00000185332	-0.11191	-0.85599	-0.45772	0.65279	0.703756	-6.49864	0.318509	0.410755	0.323815	0.106501	0.25478	0.106501	0.269385	0.106501	0.106501	1.646779	1.8028	2.055402	1.99126	2.06228	1.947161	1.759719	1.707432	1.739782
SOCS1	ENSG00000185338	-0.69369	0.514361	-2.84945	0.010868	0.019005	-3.18817	1.519087	1.173893	1.585853	0.742604	0.512209	0.830331	0.415731	0.387194	1.0941	2.033684	1.967585	2.104662	1.711947	1.871771	1.639204	2.115663	1.930959	1.665483
TCN2	ENSG00000185339	-0.39524	3.416409	-2.15458	0.045414	0.068145	-5.13729	2.589523	2.448351	2.326135	3.273122	3.31232	3.364021	2.752438	2.981485	3.181386	4.592639	4.627471	4.37236	3.691919	3.78648	3.760608	4.40281	4.30899	4.477932
GAS2L1	ENSG00000185340	0.052613	5.282135	0.585351	0.565793	0.625068	-7.42822	5.720169	5.711177	5.783216	5.608898	5.60362	5.45506	5.486326	5.360361	5.470686	4.782995	4.931084	5.037335	5.280456	5.201218	5.087406	5.278052	5.075063	4.902646
ATP6V0A2	ENSG00000185344	0.211172	5.223798	2.627686	0.01736	0.028862	-4.54626	5.060589	5.116644	5.1197	5.619441	5.687572	5.581211	5.360933	5.323347	5.136423	5.233128	5.247382	5.272845	5.152484	5.206274	5.248442	5.146741	5.106916	5.123395
PRKN	ENSG00000185345	0.513817	-0.43257	1.923031	0.070925	0.101587	-4.56845	3.454357	3.370829	3.668523	4.122913	3.6964	4.210498	4.576101	4.753535	4.855099	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
TEDC1	ENSG00000185347	-0.37005	2.951502	-2.1779	0.043376	0.065446	-4.96421	2.369288	2.71221	3.029452	2.933382	3.31232	2.652511	2.513265	2.220554	2.440135	3.496465	3.786782	4.021115	3.266686	3.223865	3.19663	3.806044	3.955266	3.707454
HGS	ENSG00000185359	-0.07165	7.645361	-0.79326	0.438264	0.502795	-7.58033	7.714969	7.71446	7.79639	7.342274	7.414827	7.224869	7.619638	7.533358	7.691514	7.625206	7.680618	7.737761	7.980194	7.879597	7.854291	7.67727	7.695365	7.568693
TNFAIP8L1	ENSG00000185361	0.294162	1.154121	2.231086	0.039038	0.059531	-4.36495	1.384302	1.670392	1.30847	1.840866	1.498102	1.623325	1.816207	1.367163	1.727075	1.555182	1.827525	1.759838	1.897591	1.921808	1.923865	1.833493	1.795362	2.06284
RAD51D	ENSG00000185379	-0.45937	4.062616	-4.87574	0.000132	0.000378	0.614272	5.128936	5.106095	5.037516	4.863733	4.688349	4.803913	4.857993	4.61746	4.713579	3.614613	3.695711	3.769472	3.236398	3.088026	2.976553	3.545669	3.636099	3.540816
MAPK11	ENSG00000185386	0.138768	2.839816	0.518219	0.610804	0.667	-6.78227	4.339825	4.150501	4.288462	3.605613	4.061165	3.700636	3.904396	3.833587	3.746538	1.76051	1.699433	1.820066	2.872818	2.938056	2.782986	1.85727	2.124453	2.091498
SP140L	ENSG00000185404	0.136388	5.712638	2.657654	0.016304	0.027301	-4.56175	5.675165	5.71581	5.688471	5.772136	5.63102	5.767901	5.791286	5.986272	5.909288	5.536332	5.679581	5.579111	5.861989	5.771185	5.791038	5.697389	5.726088	5.756303
MRPL30	ENSG00000185414	-0.55243	5.883948	-7.52678	6.96E-07	4.02E-06	5.601519	6.760828	6.737869	6.736263	5.996317	5.997551	5.894815	6.415526	6.349536	6.319266	5.687782	5.615362	5.644417	5.258017	5.363901	5.443303	5.494399	5.322033	5.353773
TARS3	ENSG00000185418	-0.02585	3.487292	-0.22225	0.826693	0.856521	-7.15009	4.12413	4.360345	4.02711	4.009923	4.009905	3.666886	3.774765	3.856799	3.628063	3.340597	3.1855	3.077191	3.501296	3.445301	3.281558	3.171932	3.366281	3.31642
SMYD3	ENSG00000185420	0.537654	5.078655	4.973209	0.000107	0.000314	0.766063	6.72176	6.65827	6.577441	7.315508	7.333769	7.306593	7.135105	7.232061	7.101684	3.349712	3.295928	3.297971	3.46257	3.193633	3.396027	3.227721	3.277464	3.107809
METTL7A	ENSG00000185432	2.99303	0.421604	6.745498	2.96E-06	1.39E-05	4.816135	0.106501	0.106501	0.106501	2.255624	1.996426	2.196611	0.415731	0.726566	0.735084	1.91588	2.115463	1.951531	3.617489	3.591587	3.533199	1.627702	1.981819	1.775544
IFNLR1	ENSG00000185436	-0.02103	2.736506	-0.11077	0.913059	0.929106	-7.09476	2.798329	2.802095	2.661582	2.740812	2.71237	2.998412	2.226405	1.945386	2.127218	2.990428	3.126946	3.360144	2.995443	3.162755	3.281558	3.854102	3.757829	3.725851
SH3BGR	ENSG00000185437	-0.20056	1.181818	-0.97991	0.340499	0.404616	-6.10939	2.369288	2.232543	1.954926	1.933905	1.718467	1.919272	2.102195	1.301009	1.620777	1.315703	1.672391	1.514616	1.597456	1.320413	1.610309	1.681967	1.707432	1.703111
FAM174B	ENSG00000185442	-0.26146	0.983262	-0.93087	0.364601	0.429458	-6.00925	3.313074	3.196163	3.162305	3.162124	2.787348	2.481849	2.376953	2.420731	2.34318	0.669294	0.583785	0.683459	1.054048	0.7293	0.651457	0.837776	1.118494	0.734116
ZSWIM9	ENSG00000185453	-0.0462	3.03358	-0.31285	0.7581	0.798838	-7.08134	2.589523	3.209365	3.029452	3.308302	3.207016	3.136338	2.607661	2.960209	2.798137	3.165825	3.584062	3.432666	3.197622	3.263212	3.167173	3.70484	3.876817	3.540816
KPNA7	ENSG00000185467	-0.62176	1.150486	-2.80264	0.012006	0.020768	-3.49826	1.602421	1.780637	1.256574	1.256461	0.828511	1.880533	1.074544	0.387194	0.39151	2.817246	2.924094	2.86487	2.193986	2.612083	2.161508	2.384669	2.295039	2.397196
TMEM179I	ENSG00000185475	0.521373	5.657846	6.988105	1.87E-06	9.40E-06	4.552923	4.785446	4.95753	4.840087	5.691159	5.735694	5.596232	5.383345	5.192623	5.229787	6.021606	6.050294	5.99945	6.39411	6.318312	6.346501	6.064643	5.901444	5.892821
GPRIN3	ENSG00000185477	1.099631	1.470518	5.228564	6.23E-05	0.000195	1.929802	7.267113	7.400868	7.382167	8.475902	8.384338	8.544819	8.122925	8.074345	8.078555	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PARPBP	ENSG00000185480	-1.08498	3.297235	-10.5374	5.38E-09	7.24E-08	10.95797	4.051848	3.944869	3.906009	3.020814	3.260629	3.419122	3.916741	4.09991	4.05282	3.64455	3.554746	3.561745	2.479079	2.326537	2.433049	3.470581	3.394711	3.650813
STAC3	ENSG00000185482	0.426013	0.316074	2.201872	0.041369	0.062696	-4.29526	1.12723	0.736739	0.598525	1.182548	1.006428	0.909432	0.886508	1.082132	1.0941	1.388276	1.672391	1.188864	1.597456	1.495836	1.801384	1.286141	1.289746	1.58715
ROR1	ENSG00000185483	-0.09614	3.843535	-0.70109	0.492475	0.555151	-7.18346	3.288121	3.526613	3.322321	3.533117	3.89028	3.964146	3.027514	2.623806	2.616448	4.68196	4.748933	4.681918	4.362569	4.488812	4.492489	4.723786	4.637141	4.646745
SDHAP1	ENSG00000185485	0.154644	2.4289	1.221631	0.238069	0.295162	-6.24225	2.438959	2.09705	2.446827	2.81607	2.078331	2.763128	2.667326	2.357042	2.127218	3.058725	2.912585	2.845681	2.986372	3.04352	3.010124	2.679583	2.947209	3.149291
SEPTIN7P1	ENSG00000185495	-0.23733	0.775133	-0.81579	0.425599	0.490715	-6.21089	1.755904	1.81559	1.499186	1.104644	0.828511	1.055701	1.525136	1.549165	1.873138	1.457372	1.588084	1.60868	1.689764	1.846087	1.970087	0.930351	1.16325	1.416439
MUC1	ENSG00000185499	2.082017	4.744127	27.1611	9.68E-16	1.49E-12	26.29213	3.114469	3.085957	3.39613	4.88719	4.998178	4.874612	3.440463	3.550079	3.143496	5.024124	5.176975	5.043664	7.213709	7.110406	7.297817	4.972643	5.287071	5.191165
FAAP100	ENSG00000185504	0.370427	5.599393	5.97009	1.35E-05	5.18E-05	2.515061	4.867751	4.804995	4.870617	5.025739	5.529116	5.283793	5.104539	4.784126	5.057123	6.055429	6.103144	6.164378	6.52046	6.377781	6.40235	6.204445	6.197469	6.036078
IRF7	ENSG00000185507	-0.14559	3.407695	-1.09193	0.289687	0.351001	-6.79092	1.826927	2.152784	2.326135	2.933382	2.737798	2.719893	2.226405	2.290412	2.408535	4.604112	4.716207	4.895252	4.483553	4.349511	4.496442	5.299906	5.243446	5.037632
L3MBTL1	ENSG00000185513	0.419827	2.075666	2.185453	0.042734	0.064614	-4.63857	2.438959	2.853456	2.794903	2.255624	2.490996	2.998412	2.303642	2.451551	2.530983	2.163418	2.249583	1.820066	2.770846	2.700737	2.756856	1.681967	2.078458	1.942153
BRCC3	ENSG00000185515	0.035748	5.775324	0.623642	0.540917	0.601756	-7.50492	5.876913	5.83559	5.693359	5.966346	5.981675	5.961294	5.63569	5.862728	5.588176	5.795112	5.823267	5.818136	5.717343	5.799899	5.723497	5.780566	5.770158	5.81333
FAM131C	ENSG00000185519	0.607303	1.543745	2.320345	0.032648	0.05076	-4.26845	2.245129	2.332462	2.423483	2.021307	2.299368	1.840725	1.867984	1.760835	1.50602	1.278001	1.335727	1.60868	2.28558	2.288901	2.544166	2.115663	2.078458	2.174206
LMNTD2	ENSG00000185522	0.37915	0.795448	1.503272	0.150623	0.197567	-5.38239	2.505419	2.534795	2.621113	2.255624	2.686486	2.481849	1.966276	1.605065	1.777424	0.834246	0.748206	0.726056	1.597456	1.282615	1.284217	0.457048	0.924142	0.580851
PRKG1	ENSG00000185532	0.131315	-1.15442	0.545855	0.592065	0.649275	-6.44892	0.106501	0.410755	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.814181	1.777644	1.538714	1.797417	2.016959	2.161508	2.013561	2.169028	2.06284
NR2F2	ENSG00000185551	0.132197	6.138735	1.66766	0.1132	0.15364	-6.41468	6.448119	6.437637	6.478973	6.222931	6.334017	6.278694	5.646849	5.599299	5.809985	6.131394	6.136919	6.217593	6.539966	6.510421	6.582373	5.876764	5.883166	5.749576
TLCD2	ENSG00000185561	1.612326	0.659374	7.15446	1.37E-06	7.20E-06	5.55642	1.18244	1.327092	1.028027	2.393052	2.193078	2.22781	1.317361	2.029503	1.826075	0.781331	0.89579	0.921995	1.776519	1.871771	1.610309	0.63264	1.206659	0.93723
LSAMP	ENSG00000185565	2.253744	0.242427	4.905496	0.000124	0.000357	1.28607	3.928091	4.021717	4.07284	6.420746	6.156841	6.410303	4.96291	5.002785	5.165072	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.257084	0.106501	0.106501
AHNAK2	ENSG00000185567	-0.33645	6.872471	-1.42072	0.172992	0.222698	-6.86146	7.458197	7.368867	7.531572	6.067345	6.293865	6.349549	5.56294	5.481041	5.351109	7.332857	7.542769	7.083568	7.6415	7.583806	7.647629	7.225048	7.207028	7.243552
OLFML2A	ENSG00000185585	4.161424	5.967256	18.57619	5.97E-13	7.73E-11	19.97821	6.101207	6.220093	6.052236	10.55697	10.51581	10.49307	8.618049	8.582348	8.689396	2.708071	2.741	2.796562	5.26928	5.133823	5.241392	3.123735	2.985098	3.093712
SP1	ENSG00000185591	0.230137	6.407973	2.850856	0.010836	0.01896	-4.27061	6.097621	6.072572	6.172636	6.645426	6.688814	6.687786	6.288287	6.347489	6.35286	6.464965	6.532397	6.403766	6.462761	6.386716	6.42845	6.510253	6.574096	6.543533
WASH3P	ENSG00000185596	-0.34425	3.350658	-3.01346	0.007647	0.013892	-3.32338	3.756787	3.846899	3.726899	3.123142	3.260629	3.086148	3.774765	3.736817	3.746538	3.637124	3.494263	3.501717	3.416036	3.560336	3.344321	3.143207	3.422593	3.279535
MRPL40	ENSG00000185608	-0.15222	5.32968	-2.94244	0.008908	0.015928	-3.91007	5.667929	5.759098	5.643717	5.529135	5.454395	5.384134	5.661594	5.606164	5.416114	5.233128	5.157605	5.249309	5.140267	5.065909	5.220033	5.203493	5.101177	5.109451
PCGF3	ENSG00000185619	0.573916	6.803259	9.419082	2.89E-08	2.81E-07	8.764767	6.273193	6.291664	6.202087	6.761032	6.751013	6.780129	6.914333	6.788756	6.830763	6.742647	6.755749	6.66757	7.34548	7.28902	7.366387	6.968189	6.994371	6.981768
LMLN	ENSG00000185621	0.04242	4.115246	0.506058	0.619139	0.674087	-7.27487	4.25866	4.446492	4.424025	4.619522	4.368438	4.549901	3.761137	3.749274	3.733845	4.337085	4.14254	4.300188	4.211164	4.274468	4.25179	4.093128	3.980496	4.101878
P4HB	ENSG00000185624	0.711314	10.39529	7.411291	8.57E-07	4.80E-06	5.035595	9.94066	9.964467	9.979624	11.05496	11.09005	11.03542	10.73059	10.77362	10.80289	9.872009	9.877666	9.905386	10.21688	10.24135	10.21911	10.48008	10.4755	10.47571
PSMD13	ENSG00000185627	-0.03601	6.853137	-0.71382	0.48476	0.548145	-7.572	6.996658	6.933532	6.926789	6.751478	6.784952	6.798429	6.883218	6.934968	6.85441	6.783583	6.84549	6.962979	6.930079	6.962866	6.947642	6.806614	6.767681	6.716789
PBX1	ENSG00000185630	1.257943	3.280339	6.052599	1.15E-05	4.48E-05	3.505694	6.697091	6.733307	6.70393	7.988835	7.913079	7.958257	7.689652	7.64006	7.596552	0.669294	0.330605	0.639567	1.121891	0.837535	1.17005	0.457048	0.504542	0.734116
NDUFA4L2	ENSG00000185633	-1.06169	0.88354	-3.44529	0.002989	0.006002	-1.83621	1.010037	1.327092	1.499186	1.326771	1.666451	0.830331	2.186178	2.290412	2.34318	1.91588	1.875739	2.004401	0.982856	0.837535	0.760679	1.759719	1.956613	1.942153
SHC4	ENSG00000185634	-0.19211	1.790103	-0.63523	0.533507	0.59472	-6.3481	3.952119	4.036608	4.065319	4.290615	3.978251	4.154771	4.045989	3.879643	3.759121	1.352446	1.498542	1.248523	0.407676	0.612281	0.707101	0.686723	0.816175	1.058313
AC034236.	ENSG00000185641	0.043868	1.302851	0.242837	0.810959	0.842978	-6.58974	2.137484	1.947501	1.853768	2.359902	2.155834	1.956998	2.058296	1.85606	2.087859	2.056133	1.922393	1.305813	1.733794	1.622273	1.488568	1.482378	1.329561	1.461048
ZFP36L1	ENSG00000185650	0.396749	7.266266	2.436187	0.025803	0.041182	-5.18014	7.258307	7.221903	7.310805	6.951091	7.006421	6.99144	7.029648	6.93633	7.032107	6.874022	6.84549	6.864531	7.855585	7.767764	7.804537	7.717202	7.764172	7.740821
UBE2L3	ENSG00000185651	-0.2156	7.085965	-4.7445	0.000175	0.000484	-0.21472	7.406963	7.43358	7.427609	7.226357	7.207502	7.260193	7.547046	7.45377	7.573583	6.982754	6.833334	6.970195	6.661064	6.717598	6.695027	6.797426	6.77581	6.779777
BRWD1	ENSG00000185658	0.05676	5.839448	0.835169	0.414894	0.479965	-7.36721	5.754732	5.783578	5.705507	5.958063	5.8095	6.087841	5.523124	5.80423	5.577558	6.041432	6.217467	5.867727	6.009206	5.929373	5.997611	5.823444	5.766537	5.921037
PMEL	ENSG00000185664	-0.49512	1.617611	-2.70534	0.01475	0.024974	-3.53873	2.744313	3.07157	2.446827	1.933905	1.909591	1.956998	2.340763	1.760835	2.087859	2.033684	1.945166	1.986992	1.897591	2.23054	1.801384	1.599785	1.645686	1.546329
ZBTB3	ENSG00000185670	0.032716	1.752447	0.239121	0.813793	0.845739	-6.74811	2.021155	2.258179	2.300736	2.103714	1.864131	2.317553	2.186178	2.029503	1.777424	2.444376	2.053933	1.986992	2.209661	2.06228	2.465679	2.211015	2.169028	2.091498
EP400P1	ENSG00000185684	0.023678	3.415513	0.221746	0.827082	0.856799	-7.18349	3.236881	3.085957	3.359697	3.425084	3.31232	3.364021	3.507292	3.749274	3.721038	3.77884	3.901847	3.567612	3.611602	3.724396	3.713835	3.581796	3.835933	3.432977
PRAME	ENSG00000185686	-0.12437	0.942152	-0.54143	0.595045	0.652241	-6.17972	6.843439	6.873635	6.845688	6.694449	6.70502	6.778813	6.625636	6.627726	6.709581	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
MYBL1	ENSG00000185697	-1.0117	4.002129	-12.5626	3.50E-10	8.21E-09	13.6073	3.983545	4.073175	4.153091	3.441022	3.426184	3.620621	3.632324	3.659726	3.681923	5.012691	4.919631	5.016036	3.850304	3.952144	3.773698	4.526597	4.464605	4.572451
MOSMO	ENSG00000185716	0.185727	4.9925	1.996225	0.061731	0.089873	-5.63084	5.400358	5.164879	5.277754	5.232173	5.3917	5.227023	5.708501	5.708593	5.770134	4.505601	4.51019	4.447471	4.853955	4.827513	4.810905	4.588279	4.621188	4.689552
DRG1	ENSG00000185721	-0.47515	6.635389	-12.205	5.53E-10	1.17E-08	12.8904	7.046798	7.09961	6.977762	6.540232	6.491794	6.505669	6.799031	6.840614	6.76989	6.685294	6.696582	6.679811	6.255623	6.288824	6.26889	6.640137	6.483245	6.640054
ANKFY1	ENSG00000185722	0.113215	6.433664	1.258203	0.224868	0.280651	-6.97723	6.593965	6.671448	6.629375	7.078821	7.015546	7.06886	6.621871	6.603916	6.746384	6.22477	6.262362	6.091924	6.009206	5.941552	6.057707	6.158536	6.174423	6.17478
YTHDF3	ENSG00000185728	0.394034	7.218737	7.12404	1.45E-06	7.55E-06	4.681404	6.936707	6.845372	6.907989	7.366469	7.302158	7.340886	7.538085	7.541439	7.513582	6.975411	7.030564	6.994901	7.323587	7.305605	7.407907	7.217031	7.251104	7.320468
ZNF696	ENSG00000185730	0.332465	3.979782	4.505378	0.000293	0.000764	-0.37759	3.288121	3.347134	3.190238	3.290819	3.574682	3.377995	3.539581	3.214961	3.124172	4.58494	4.745694	4.876465	5.105079	5.060335	5.178806	4.841704	4.605057	4.582581
IFIT1	ENSG00000185745	-1.24249	3.822164	-8.67784	9.53E-08	7.59E-07	7.706985	1.681202	1.508929	1.256574	1.933905	2.155834	2.288255	1.648695	1.549165	1.826075	6.77515	6.834859	6.863338	5.35987	5.562284	5.457569	6.959291	7.070509	7.105477
CXorf38	ENSG00000185753	-0.01908	5.27787	-0.33465	0.741875	0.784206	-7.59125	5.067938	4.913842	4.900514	4.938614	4.720591	4.772519	4.980658	5.146277	5.052019	5.671517	5.718106	5.667823	5.658595	5.771185	5.789427	5.655626	5.633692	5.649533
KCNQ5	ENSG00000185760	-0.72245	1.860509	-5.00405	0.0001	0.000297	1.019642	1.12723	1.849715	1.499186	0.395333	0.828511	0.830331	0.670238	1.430416	1.171446	3.889238	3.924944	4.025385	3.36795	3.401888	3.421201	4.083081	4.047684	4.242679
ADAMTSL!	ENSG00000185761	0.45405	1.956823	2.74575	0.013544	0.023139	-3.53411	2.438959	2.49222	2.469799	2.425456	2.686486	2.429135	2.144798	2.568641	2.501332	1.732907	2.249583	1.896649	2.649667	2.714997	2.312654	1.948641	2.169028	1.703111
MORF4L1	ENSG00000185787	0.07525	8.676839	1.485048	0.155344	0.203062	-6.87608	8.709507	8.724329	8.637987	9.001645	8.89333	8.957459	8.688587	8.706125	8.69268	8.67529	8.662512	8.66396	8.542364	8.60342	8.566409	8.513872	8.462631	8.546921
WDR53	ENSG00000185798	-0.7253	3.774888	-10.5873	5.01E-09	6.84E-08	10.93984	4.051848	4.036608	3.987862	3.376187	3.207016	3.459109	3.632324	3.605944	3.543305	4.341661	4.435757	4.463295	3.686328	3.745389	3.81227	4.332457	4.205799	3.976887
DMWD	ENSG00000185800	0.257443	4.89173	4.645968	0.000216	0.000584	-0.1763	4.381709	4.57954	4.498524	4.815644	4.764552	4.639633	4.666597	4.511753	4.764393	5.009819	5.130539	5.168603	5.436806	5.213825	5.405959	5.367692	5.344069	5.265357
SLC52A2	ENSG00000185803	0.166645	7.300012	2.549998	0.020409	0.033366	-4.97605	6.714755	6.646185	6.8191	6.833761	7.024613	6.84696	6.713169	6.565688	6.594935	7.654007	7.739209	7.889817	7.95484	7.906251	7.912408	8.073381	7.953253	7.740821
PIGP	ENSG00000185808	-0.39831	4.351151	-7.24902	1.15E-06	6.21E-06	5.349021	5.197545	5.204977	5.126945	4.827817	4.770725	4.71863	5.003988	4.992342	4.831463	4.103779	4.205202	4.075663	3.830164	3.695921	3.78667	3.762638	3.815048	3.761956
PCYT2	ENSG00000185813	-0.00254	5.10821	-0.04234	0.966704	0.97237	-7.65467	4.543331	4.574447	4.657046	4.525489	4.607895	4.407292	4.462805	4.080322	4.270596	5.813348	5.8294	5.892483	5.936886	5.868482	5.836971	5.9546	5.731671	5.815479
NAT8L	ENSG00000185818	-0.23699	4.364573	-2.08785	0.05174	0.076756	-5.32384	5.300954	5.398948	5.469462	4.765896	5.07001	4.889321	4.709802	4.790167	4.73921	3.695491	3.854512	3.896118	3.95166	3.940055	3.8186	3.889124	3.942484	3.831562
BCAP31	ENSG00000185825	-0.13705	8.318178	-4.4516	0.000329	0.000848	-0.95415	8.483617	8.552383	8.543023	8.39435	8.475489	8.416566	8.562171	8.560866	8.562339	8.240997	8.140452	8.270464	8.050698	8.032958	8.047878	8.174434	8.14954	8.153901
ARL17A	ENSG00000185829	0.445494	0.283552	2.418349	0.026761	0.042487	-3.87191	0.742531	0.940485	0.679585	1.104644	1.164793	0.909432	1.160105	0.824004	1.445026	1.388276	1.228418	1.219002	1.621093	1.2438	1.550722	1.320757	1.406038	1.546329
GNB1L	ENSG00000185838	-0.13042	3.981319	-1.3786	0.185408	0.236903	-6.2727	4.630287	4.804995	4.777019	4.555081	4.551652	4.386706	5.167879	5.013152	5.087374	3.113269	3.373534	3.400153	3.409264	3.338827	3.263113	3.743628	3.603991	3.31642
DNAH14	ENSG00000185842	-0.87379	3.858956	-7.6041	6.05E-07	3.56E-06	6.070563	4.798758	4.778666	4.739702	3.472378	3.48743	3.510758	3.965091	4.203129	3.90213	4.177304	4.097507	4.063257	3.646572	3.599295	3.679472	3.637781	3.793856	3.770842
NPIPB4	ENSG00000185864	0.072057	2.952249	0.762286	0.456054	0.519772	-6.74289	3.509372	3.273623	3.28395	3.441022	3.616407	3.632327	3.258446	3.178579	3.357206	3.058725	3.086546	2.735323	2.852992	2.837366	2.95373	2.679583	2.841019	2.880366
ZNF829	ENSG00000185869	-0.59076	2.440134	-4.97392	0.000107	0.000313	0.902415	1.755904	2.332462	2.049454	1.578054	1.437317	0.909432	1.648695	1.430416	1.777424	4.071084	3.942027	4.008229	3.575762	3.462307	3.600863	4.203908	4.156841	4.376785
THNSL1	ENSG00000185875	-0.71249	3.840436	-5.66321	2.53E-05	8.83E-05	2.286656	5.125418	5.198371	4.970641	4.325376	3.99943	4.241401	3.953155	4.070428	3.913431	3.688323	3.668598	3.853525	3.360948	3.599295	3.085545	3.415594	3.287607	3.340497
TRIM69	ENSG00000185880	0.237074	3.461931	1.392891	0.181118	0.231906	-6.22344	3.551922	3.273623	3.309643	4.112999	3.988879	4.138446	3.277716	3.40015	3.783962	3.196464	3.524821	3.549937	3.288992	3.348006	3.353069	3.678389	3.986735	3.937965
IFITM1	ENSG00000185885	-0.4853	3.50213	-3.66065	0.001863	0.003952	-2.288	1.681202	1.744817	1.202741	2.063099	1.953662	2.697781	1.525136	2.029503	1.962896	5.813348	5.638252	5.69756	5.007568	5.14703	5.193492	6.093708	6.291189	6.099179
LAMP1	ENSG00000185896	0.482208	7.740296	13.71444	8.65E-11	2.96E-09	14.74469	7.988629	8.027474	8.042257	8.605736	8.540148	8.552155	8.195648	8.14558	8.238183	7.045809	7.011134	7.13387	7.493285	7.41556	7.516043	7.179801	7.160874	7.1682
POMK	ENSG00000185900	-1.37662	2.015831	-12.8525	2.44E-10	6.22E-09	13.90935	2.416107	2.232543	2.274882	1.256461	1.498102	1.669505	2.226405	2.255906	2.34318	3.358771	3.26005	3.149392	2.112949	2.039797	1.923865	3.063688	2.854728	2.830235
LINC00839	ENSG00000185904	0.360919	-0.72713	3.789771	0.001402	0.003049	-1.43834	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.736149	2.779525	3.035461	3.259174	3.032175	3.206318	2.843302	2.99751	3.135595
KLHDC8B	ENSG00000185909	1.49505	2.311989	5.03383	9.41E-05	0.00028	1.16922	2.021155	2.068355	2.300736	2.143217	1.718467	2.064596	2.412257	2.451551	2.239236	2.204194	2.437987	2.522234	4.359059	4.284065	4.213876	2.432936	2.535313	2.706008
SETD4	ENSG00000185917	-0.34257	4.245397	-5.10499	8.09E-05	0.000245	0.952159	4.495082	4.268725	4.43574	3.753334	3.820593	4.10523	4.205428	4.230044	4.08316	4.699893	4.672521	4.64632	4.437701	4.438137	4.440084	4.410866	4.362748	4.311289
PTCH1	ENSG00000185920	-0.41224	3.556967	-1.55402	0.1381	0.183143	-6.14062	4.339825	4.065935	4.351665	1.688986	2.333126	2.481849	2.779728	3.023117	3.00245	4.217694	4.34876	4.268117	4.549709	4.412116	4.546874	4.21775	4.123255	4.014786
RNPC3	ENSG00000185946	0.194813	3.136364	1.696675	0.107494	0.146975	-5.7563	3.476616	3.450822	3.384088	3.123142	3.012388	3.349911	3.19904	3.160038	2.981126	3.294134	3.30476	3.172678	3.768	3.614588	3.700188	3.133504	2.99751	3.254409
ZNF267	ENSG00000185947	0.126453	3.976305	1.140475	0.269476	0.329511	-6.6417	4.029438	4.12982	3.987862	3.647423	3.722109	3.776446	4.622059	4.511753	4.436456	3.637124	3.675424	3.789694	4.114557	4.210485	4.051393	4.285035	4.2788	4.359215
IRS2	ENSG00000185950	0.918224	6.047591	6.426181	5.49E-06	2.36E-05	3.617164	7.178234	7.311865	7.38368	8.469117	8.504482	8.495198	8.252149	8.21963	8.264347	3.857636	4.181422	4.012537	4.191564	4.122289	4.165038	4.414877	4.348284	4.317368
BICD2	ENSG00000185963	-0.22832	6.417531	-5.18309	6.86E-05	0.000212	0.78712	6.4453	6.51809	6.562826	6.33592	6.350594	6.229446	6.373601	6.32478	6.361138	6.570099	6.532397	6.569369	6.330118	6.303053	6.322206	6.672327	6.528851	6.498767

TMLHE	ENSG00000185973	-0.89916	-0.29985	-4.23132	0.000532	0.001297	-0.08834	4.888652	4.969219	4.874926	3.910405	3.832443	4.194794	4.637058	4.61746	4.512744	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SDHAP3	ENSG00000185986	0.508661	-0.08004	2.081524	0.052379	0.077607	-4.31016	1.791852	1.173893	1.499186	1.840866	1.666451	1.956998	1.648695	1.85606	1.674905	0.483018	0.640699	0.449284	0.787801	0.416769	0.812339	0.457048	0.504542	0.497646
RASA3	ENSG00000185989	0.728301	4.4175	6.616689	3.79E-06	1.72E-05	4.213404	5.706108	5.544085	5.440682	6.05186	6.173243	6.240961	5.719113	5.801241	5.725949	2.679436	2.829342	2.638296	3.663745	3.745389	3.540876	3.39137	2.95995	3.530388
LRCH3	ENSG00000186001	-0.00601	4.766844	-0.07773	0.938928	0.949798	-7.53192	4.785446	4.949684	4.892035	4.845887	4.56592	4.604407	4.857993	4.630987	4.973208	4.92393	4.851948	4.830842	4.989521	4.997558	4.99542	4.602417	4.747809	4.731125
LEMD1	ENSG00000186007	0.776812	-1.65603	5.810085	1.87E-05	6.80E-05	3.056762	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.239286	1.265082	1.094478	1.621093	1.946191	1.722572	1.759719	1.851139	1.775544
ZNF566	ENSG00000186017	0.312385	3.662429	3.693188	0.001734	0.003701	-1.9739	3.420312	3.516026	3.176339	3.503067	3.630051	3.485165	3.853933	4.050434	3.832397	3.651939	3.793073	3.789694	4.068019	4.116929	4.109334	3.945668	4.088867	3.969186
AC021092.	ENSG00000186019	0.479659	0.862832	2.461097	0.024518	0.039357	-4.37491	0.216396	0.106501	0.421314	0.258133	0.106501	0.3528	0.670238	0.726566	0.735084	3.622156	3.811781	3.853525	4.207266	4.307781	4.174939	4.245042	4.071361	3.999746
ZNF529	ENSG00000186020	0.217352	3.705878	2.692915	0.015141	0.025548	-4.2072	3.17016	3.248262	3.231147	3.20008	2.926537	2.924168	2.981245	3.122225	3.271973	4.368817	4.562677	4.431472	4.823716	4.753456	4.785281	4.357681	4.460128	4.323421
ZNF284	ENSG00000186026	0.852833	1.315833	5.527502	3.34E-05	0.000113	2.278266	0.587539	0.940485	0.756332	0.934951	1.307481	1.367251	0.782422	1.082132	1.445026	2.777267	2.575707	2.627101	3.310958	3.357127	3.437743	2.35157	2.985098	2.742606
MATN1-AS	ENSG00000186056	0.06898	0.363157	0.283997	0.779749	0.816916	-6.36889	1.791852	1.591918	1.78216	1.688986	1.2379	1.799787	1.074544	1.491012	1.171446	0.781331	1.029669	0.726056	1.088368	0.888753	1.046067	1.177011	1.16325	0.93723
AIDA	ENSG00000186063	1.700882	4.958925	24.33736	6.29E-15	4.27E-12	24.38823	4.029438	4.087546	4.145977	5.707722	5.763816	5.877705	5.827697	6.020078	5.754509	3.765279	3.901847	3.658388	5.286012	5.366162	5.348066	5.271431	5.297147	5.161062
CDIN1	ENSG00000186073	0.344632	3.63541	3.445719	0.002986	0.005997	-2.42993	3.810347	3.82133	3.466347	4.181007	4.335505	4.138446	4.302704	4.157125	4.420702	3.294134	3.373534	3.210672	3.416036	3.233802	3.593499	3.6717	3.503143	3.669942
GSAP	ENSG00000186088	-0.98762	3.871085	-4.64839	0.000215	0.000581	0.236857	5.86008	5.910253	5.83942	4.59836	4.352066	4.493254	5.333571	5.388507	5.202407	2.693825	2.766797	2.714318	2.842976	2.797719	2.883013	2.692858	2.813204	3.006111
CYP2R1	ENSG00000186104	-0.06166	2.701001	-0.42554	0.675635	0.724738	-6.79508	3.249862	3.439663	3.359697	3.456785	3.643567	3.643939	3.761137	3.82184	3.681923	2.589954	2.469748	2.355887	1.897591	2.169719	2.121111	2.706012	2.274787	2.277588
ANKRD46	ENSG00000186106	-0.4941	4.714554	-7.58576	6.26E-07	3.67E-06	5.861051	4.892796	4.988492	4.974661	4.272916	4.327153	4.241401	4.799197	5.033666	4.66091	5.024124	4.997958	5.026725	4.656506	4.653345	4.681452	4.853574	4.943327	4.853297
PIP5K1C	ENSG00000186111	0.349386	6.378694	5.682094	2.43E-05	8.53E-05	1.912772	7.274278	7.280153	7.439295	7.608836	7.658979	7.630758	7.326533	7.023528	7.260567	5.183009	5.279098	5.299534	5.760552	5.534411	5.675484	5.404468	5.304658	5.277879
ZBTB6	ENSG00000186130	-0.39185	5.247418	-6.35755	6.28E-06	2.65E-05	3.377517	5.340935	5.178369	5.241504	4.654117	4.662026	4.57438	4.920629	5.098392	5.052019	5.80177	5.785907	5.708223	5.514586	5.514168	5.522983	5.541021	5.556102	5.507891
C2orf76	ENSG00000186132	0.028322	3.053675	0.276929	0.785083	0.821416	-7.01443	3.498536	3.657602	3.443319	3.359513	3.630051	3.419122	3.647218	3.633086	3.614278	2.868884	3.013005	3.001185	3.18974	2.938056	3.032078	2.625227	2.841019	2.706008
POLR3C	ENSG00000186141	0.00277	6.05977	0.056722	0.95541	0.962999	-7.76693	5.930304	5.801125	5.743707	6.05704	5.921921	5.889947	5.719113	5.646681	5.690258	6.530564	6.448212	6.536837	6.443833	6.396703	6.410754	6.102439	6.113007	6.100942
WWOX	ENSG00000186153	-0.1903	1.340176	-0.9598	0.350247	0.414574	-6.14751	2.165157	2.179863	2.221741	2.325974	2.660129	2.346268	1.816207	1.945386	1.962896	1.586365	1.922393	1.780195	1.088368	1.528499	1.355599	1.627702	1.581179	1.370407
CIDECP1	ENSG00000186162	-0.22152	3.125473	-2.82755	0.011387	0.019817	-3.68862	3.454357	3.39414	3.408073	2.887595	2.948483	3.200652	3.137083	3.232814	3.104585	3.60703	3.470912	3.373604	3.456014	3.338827	3.370406	3.298901	3.225651	3.279535
CENATAC	ENSG00000186166	-0.04838	3.392097	-0.3485	0.73163	0.7754	-7.17848	2.996191	3.347134	3.296854	2.999448	2.398361	2.961768	3.352323	3.521314	3.614278	3.997596	3.953305	3.789694	3.993008	4.028349	4.046009	3.637781	3.967936	3.734962
BCL9L	ENSG00000186174	-0.80833	8.324812	-8.01666	2.92E-07	1.93E-06	6.26744	9.105355	8.999775	9.144108	7.883432	8.037956	7.905569	8.493779	8.299095	8.409596	8.333211	8.321882	8.396962	7.915953	7.840702	7.826295	8.376138	8.383272	8.260275
POLR1D	ENSG00000186184	-0.28827	6.618352	-3.47313	0.002812	0.005682	-2.98063	6.964535	6.957203	6.984757	6.386177	6.296007	6.347775	6.335028	6.331009	6.453066	6.736579	6.694063	6.834428	6.736719	6.728182	6.785046	6.635848	6.611923	6.58695
KIF18B	ENSG00000186185	-1.92595	4.149752	-7.25633	1.14E-06	6.15E-06	5.511882	5.096964	4.99613	4.990634	3.933121	4.081169	4.30129	5.465469	5.285358	5.466856	4.7455	4.648439	4.643544	1.954519	1.921808	1.970087	4.507942	4.486784	4.467038
ZNRF1	ENSG00000186187	-0.22989	4.650508	-3.89208	0.00112	0.002498	-1.82393	4.226185	4.256058	4.332993	4.487626	4.231942	4.079806	4.057185	3.967564	4.063004	5.526317	5.421918	5.567446	5.20426	5.201218	5.161481	5.018176	5.006099	5.022829
SAPCD2	ENSG00000186193	-0.72248	5.5738	-4.68902	0.000197	0.000537	-0.17947	4.981078	4.917869	5.126945	4.944216	5.244245	4.98829	5.356409	5.141559	5.220718	6.297236	6.299289	6.495882	5.377325	5.301484	5.198354	6.820288	6.696192	6.533124
SLC51B	ENSG00000186198	-1.73678	1.160002	-2.03579	0.05722	0.084037	-4.4983	3.17016	3.439663	3.347346	3.020814	3.410458	3.364021	3.158032	3.415864	3.289427	2.620402	2.453955	2.497858	0.106501	0.106501	0.186984	1.13872	1.118494	0.734116
MTARC1	ENSG00000186205	0.427586	2.891409	1.135862	0.27135	0.331518	-6.23276	3.738482	3.608619	3.688245	4.898777	4.813207	4.849758	3.953155	4.109604	4.132351	2.409929	2.646894	2.497858	1.336984	1.528499	1.423614	2.417026	2.212266	2.549558
SOWAHB	ENSG00000186212	1.23134	-1.05335	5.194952	6.69E-05	0.000208	1.760695	0.106501	0.106501	0.106501	0.258133	0.25478	0.106501	0.269385	0.106501	0.106501	1.704765	1.529011	1.969371	2.491955	2.714997	2.703134	1.948641	2.169028	1.370407
BLOC1S4	ENSG00000186222	0.189613	4.904587	2.497926	0.022729	0.036737	-4.8009	4.393455	4.538284	4.531653	4.778495	4.789085	4.71863	4.068294	4.119235	4.141991	5.283944	5.413777	5.503074	5.547339	5.568187	5.54032	5.595049	5.358575	5.33891
ZNF749	ENSG00000186230	-0.11003	2.776096	-1.27068	0.220496	0.275942	-6.28399	2.90065	2.76681	2.812981	2.359902	2.490996	2.581827	2.752438	2.451551	2.697131	3.446357	3.250939	3.339716	3.409264	3.223865	3.437743	3.281432	3.37582	3.162857
MRTFB	ENSG00000186260	0.392913	5.602896	5.538349	3.27E-05	0.000111	1.651465	5.598583	5.720428	5.750758	5.90734	5.703792	5.965928	5.566862	5.733887	5.653661	5.316853	5.43203	5.202938	5.84578	5.878019	5.901004	5.329955	5.401238	5.497221
ZNF17	ENSG00000186272	0.302017	2.324537	3.139132	0.005828	0.010915	-2.99188	1.430644	1.670392	1.62731	1.933905	1.768674	1.799787	2.144798	1.658879	2.087859	3.651939	3.232543	3.312021	3.691919	3.583837	3.637126	3.530961	3.449945	3.530388
KDM4D	ENSG00000186280	-0.66224	0.620591	-2.98675	0.008099	0.014623	-2.98529	1.235614	1.226787	1.146821	0.258133	0.625525	0.830331	0.269385	0.726566	0.925731	2.494552	2.303453	2.592986	2.225168	2.190279	1.970087	2.173627	2.295039	2.14716
TOR3A	ENSG00000186283	0.750001	7.189562	4.08026	0.000741	0.001734	-1.64768	7.252675	7.43358	7.379895	8.74143	8.697055	8.819948	8.199442	8.331042	8.273147	6.29959	6.189128	6.325416	6.174079	6.253845	6.220714	6.331888	6.351658	6.365783
GABRA5	ENSG00000186297	0.952955	-1.08772	3.895606	0.001111	0.002481	-0.75493	2.526909	2.403106	2.351095	3.06262	3.48743	3.584921	3.19904	3.318907	3.528681	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PPP1CC	ENSG00000186298	0.102122	7.539741	1.768568	0.094415	0.131067	-6.37154	7.319619	7.326328	7.29642	7.649698	7.60473	7.610927	7.727809	7.840387	7.702956	7.528174	7.509731	7.524306	7.414739	7.437762	7.462988	7.670156	7.593267	7.640148
ZNF555	ENSG00000186300	0.152248	1.910695	1.349773	0.194312	0.24671	-5.93368	1.959273	2.125186	1.954926	2.48816	2.117603	2.029614	2.102195	1.85606	2.165532	2.37464	2.388995	2.422156	2.399306	2.307842	2.743612	2.568742	2.410923	2.374055
MST1P2	ENSG00000186301	-0.50719	0.558143	-1.6152	0.124173	0.167101	-5.17186	2.688195	2.655462	3.029452	2.181668	2.229385	1.919272	1.389995	2.029503	1.445026	1.028404	0.848253	0.639567	1.121891	0.7293	0.812339	0.738851	0.2791	0.93723
NAP1L3	ENSG00000186310	0.305372	-0.23156	0.808484	0.42968	0.4947	-5.88426	2.780548	2.784561	2.641489	2.791417	3.033076	2.719893	2.545421	2.568641	2.165532	0.106501	0.185134	0.288049	0.294634	0.416769	0.186984	0.457048	0.2791	0.214669
CA5BP1	ENSG00000186312	-0.62587	3.81359	-8.91852	6.42E-08	5.48E-07	8.391145	4.369865	4.330447	4.553323	3.753334	3.808643	3.907468	4.528631	4.389749	4.288067	3.93235	3.695711	3.919248	3.236398	3.282491	3.326666	3.793775	3.772348	3.679412
PRELID2	ENSG00000186314	0.605605	3.345283	4.187546	0.000586	0.001409	-0.80557	2.526909	2.55562	2.514675	3.633621	3.820593	3.818042	3.586698	3.659726	3.655245	3.544892	3.532361	3.439082	3.60569	3.68147	3.707028	3.793775	3.916575	3.897964
BACE1	ENSG00000186318	1.205564	4.459557	6.227934	8.10E-06	3.31E-05	3.313283	2.996191	3.07157	3.270929	5.299283	5.208315	5.191857	4.832157	4.670823	4.825493	4.252132	4.439772	4.235316	4.871306	4.925808	4.775553	4.879929	4.884398	5.022829
RXRA	ENSG00000186350	-0.19834	7.333864	-1.76396	0.09521	0.132055	-6.37026	7.363579	7.371806	7.456648	6.655706	6.85634	6.745516	7.390997	7.357378	7.344371	7.449803	7.406844	7.524306	7.669399	7.64047	7.570032	7.516249	7.440852	7.418447
ANKRD37	ENSG00000186352	0.141051	1.528352	0.769993	0.451586	0.515794	-6.39534	1.286899	1.883052	1.406977	1.840866	2.264801	1.956998	1.966276	2.220554	2.127218	1.840286	2.115463	2.30059	2.096181	1.793303	1.876113	2.35157	2.169028	2.174206
NUDT17	ENSG00000186364	-0.04722	1.541034	-0.17359	0.864182	0.888191	-6.61018	2.483604	2.674627	2.865896	2.021307	1.909591	1.993763	2.303642	2.801791	2.723053	1.352446	1.152172	1.49011	2.079215	1.921808	1.801384	1.45147	1.82352	1.416439
ZNF75D	ENSG00000186376	0.573531	3.303727	4.179072	0.000597	0.001431	-0.89375	2.27083	2.258179	2.37563	3.487804	3.602632	3.608819	2.724622	2.981485	3.271973	3.882973	3.848485	3.905414	4.089359	4.034047	4.189664	3.917673	3.929587	3.992166
CYP4X1	ENSG00000186377	1.970591	2.298344	19.80818	2.04E-13	3.32E-11	20.89085	0.667115	0.661886	1.088647	1.74141	1.612488	1.623325	1.317361	1.710758	1.0941	3.512789	3.431133	3.445469	5.377325	5.388576	5.310386	4.01601	4.071361	4.051715
KRT10	ENSG00000186395	0.364065	5.298518	4.977058	0.000106	0.000312	0.507178	5.217507	5.102561	5.11242	5.790912	5.791399	5.674746	5.422829	5.339915	5.493457	5.154683	5.05665	5.121514	5.210117	5.241179	5.343684	5.384153	5.292118	5.305663
NKRF	ENSG00000186416	-0.47688	5.894995	-9.77291	1.67E-08	1.81E-07	9.437618	6.292142	6.192103	6.200371	5.901593	5.845033	5.716587	6.182352	5.994144	6.074452	6.027299	5.915526	6.001619	5.466467	5.5324	5.405959	5.933785	5.924377	5.958469
GLDN	ENSG00000186417	0.268532	2.009728	2.585037	0.018976	0.031234	-3.92681	1.791852	1.780637	2.018628	1.840866	2.155834	2.098749	2.102195	2.420731	2.047395	2.47802	2.701418	2.522234	2.738794	2.875953	2.782986	2.554269	2.755911	2.649309
KPNA4	ENSG00000186432	-0.24735	7.104573	-4.15861	0.000624	0.001489	-1.52145	7.194272	7.216192	7.117967	6.714257	6.690443	6.655165	6.983449	6.989804	6.959003	7.305009	7.297713	7.316135	7.238754	7.235618	7.302341	7.2449	7.31572	7.302195
ZNF501	ENSG00000186446	0.028648	1.040516	0.253634	0.802738	0.835958	-7.02212	0.587539	0.316291	0.829201	0.52061	0.512209	0.3528	0.782422	0.622068	0.39151	3.512789	3.463043	3.567612	3.587808	3.599295	3.517722	3.333216	3.413359	3.519884
ZNF197	ENSG00000186448	0.243674	4.309172	2.92897	0.009169	0.016331	-3.81311	4.199669	3.750846	4.095173	3.791129	3.934936	3.936085	3.705302	3.913244	3.968647	4.717605	4.692848	4.643544	5.047367	5.107039	5.066284	4.905811	4.65292	4.832225
SPATA12	ENSG00000186451	-0.90261	-0.56798	-2.03186	0.057654	0.08457	-4.45635	1.384302	1.508929	1.146821	0.395333	0.106501	0.563119	0.415731	0.622068	0.39151	1.028404	0.89579	0.993481	0.982856	1.16289	1.08859	0.789161	1.024588	1.058313
NAP1L2	ENSG00000186462	0.807234	-1.76443	3.390968	0.003366	0.006662	-1.75018	1.561356	1.670392	1.358564	2.103714	2.229385	2.532704	2.186178	1.85606	2.127218	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RPS23	ENSG00000186468	-0.15519	9.570654	-4.94378	0.000114	0.000332	0.048957	9.96288	9.940298	9.919231	9.767532	9.752248	9.722563	9.900304	9.955746	9.913981	9.383208	9.313312	9.269522	9.149557	9.227401	9.236163	9.255208	9.266056	9.372748
BTN3A2	ENSG00000186470	0.534953	4.948841	3.496052	0.002674	0.005439	-2.65967	4.785446	4.668265	4.647003	4.88719	4.681813	4.819357	5.657922	5.481041	5.474506	4.513734	4.644965	4.621149	5.377325	5.503938	5.337086	4.9115	4.930438	5.019105
PCLO	ENSG00000186472	0.046824	3.336654	0.509939	0.616473	0.671646	-7.19338	3.114469	3.114308	3.176339	3.083078	2.835252	3.086148	2.637802	2.389238	2.408535	4.256985	4.283241	3.977706	4.268416	4.132949	4.398437	4.113016	3.728346	3.881648
INSIG1	ENSG00000186480	-0.45011	4.487469	-2.02623	0.058282	0.085332	-5.45228	4.620325	4.715296	4.734969	5.132645	5.109506	5.028711	5.141824	5.228657	5.062209	4.707004	4.755391	4.684621	3.456014	3.599295	3.299771	4.271827	4.140146	4.376785
ANKRD20A	ENSG00000186481	-0.05224	0.779531	-0.15841	0.875952	0.898542	-6.44124	2.080492	2.179863	2.079636	1.519216	1.373859	1.623325	2.446718	2.451551	2.274723	0.834246	0.986408	0.921995	1.446877	1.495836	1.390007	0.789161	0.871168	0.805046
C5orf38	ENSG00000186493	0.248794	-0.69715	1.273873	0.219388	0.274679	-5.47654	3.551922	3.657602	3.922756	3.999198	4.020303	3.878271	3.507292	3.506713	3.655245	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZNF396	ENSG00000186496	0.923052	0.704222	4.084608	0.000734	0.001721	-0.53092	1.336422	1.780637	1.54317	2.021307	1.498102	1.757653	1.588238	0.824004	1.0941	1.028404	1.190799	1.027938	2.009285	1.946191	1.900186	1.177011	1.368306	0.93723
TMEM222	ENSG00000186501	0.293746	5.882312	5.372545	4.61E-05	0.00015	1.248044	5.646	5.637393	5.676178	5.809447	6.023629	5.852905	5.726144	5.755661	5.906462	5.98989	5.833984	5.995103	6.333699	6.224242	6.220714	5.961472	5.911317	5.832557
ARHGAP3C	ENSG00000186517	-0.02663	-1.01065	-0.10512	0.917479	0.932605	-6.41485	0.318509	0.215206	0.219246	0.258133	0.25478	0.3528	0.269385	0.387194	0.106501	1.388276	1.190799	1.387696	1.248697	1.077171	1.355599	1.13872	1.737342	1.665483
SEPTIN10	ENSG00000186522	-0.2696	5.609899	-5.15616	7.26E-05	0.000223	1.001629	7.411302	7.483339	7.358513	7.137458	7.11107	7.092358	7.243211	7.34717	7.185644	4.187508	4.132653	4.209279	3.988472	3.940055	4.093761	3.994729	3.961615	4.029672
FAM86B1	ENSG00000186523	0.324905	2.257113	3.241451	0.004666	0.008938	-2.60204	2.917019	2.576149	2.794903	2.999448	2.762786	3.03415	2.26554	2.540248	2.501332	2.392392	2.249583	2.409144	2.770846	2.549802	2.756856	2.034568	2.254246	2.033602
SMYD4	ENSG00000186532	-0.99487	4.013289	-11.4465	1.51E-09	2.59E-08	12.17286	5.089762	4.992316	4.870617	3.875646	3.99943	4.000731	4.358069	4.474723	4.305329	4.13047	4.077032	4.071539	3.173846	3.320292	3.299771	3.956715	3.961615	4.007286
FOXD2	ENSG00000186564	0.598233	0.489547	3.477221	0.002787	0.005639	-1.86431	0.503316	0.582935	0.756332	1.104644	0.92021	0.746642	0.886508	0.726566	1.01237	1.646779	1.875739	1.631268	1.838325	2.190279	2.294605	2.135245	1.737342	2.277588
GPATCH8	ENSG00000186566	0.013308	6.426132	0.28939	0.775688	0.813558	-7.74804	6.431123	6.341981	6.328432	6.508442	6.51404	6.526206	6.426359	6.377892	6.354934	6.494033	6.500079	6.456896	6.369027	6.384488	6.408658	6.527026	6.468832	6.562849
CEACAM1S	ENSG00000186567	-0.64718	3.562405	-10.5307	5.43E-09	7.28E-08	10.78494	2.649532	2.71221	2.579475	2.143217	2.520598	2.317553	2.513265	2.220554	2.530983	5.312197	5.188951	5.265644	4.627624	4.577331	4.569568	5.212738	5.198461	5.11295
NF2	ENSG00000186575	-0.88618	6.490105	-5.67519	2.47E-05	8.64E-05	1.829319	7.303366	7.220274	7.248239	5.587578	5.785315	5.643273	6.259498	6.379897	6.315012	6.832359	6.69742	6.742752	6.466028	6.424086	6.422229	6.59754	6.618969	6.591974
SMIM29	ENSG00000186577	0.116995	3.770793	1.671181	0.112494	0.152791	-5.94371	3.643304	3.944869	3.819232	3.70135	4.020303	3.786958	3.719464	3.619579	3.90213	3.798946	3.872445	3.955502	4.033205	4.067774	4.013272	4.01601	3.842828	4.022248
UBE2H	ENSG00000186591	-0.51703	7.792049	-2.94744	0.008813	0.01577	-4.1806	9.249062	9.279696	9.225239	8.084524	8.070218	8.095668	7.861537	7.880578	7.808117	7.201189	7.287724	7.277277	7.421485	7.437225	7.446735	6.922433	6.922151	6.922191
MIR22HG	ENSG00000186594	0.855145	4.180225	10.00635	1.18E-08	1.36E-07	10.06554	4.232739	4.080378	4.080323	4.759555	4.7142	4.679672	4.737903	4.883536	4.795267	3.275122	3.562131	3.380287	4.38345	4.385617	4.444184	4.01601	4.189664	4.177341
HPDL	ENSG00000186603	-0.32029	2.915805	-3.00808	0.007736	0.014033	-3.47076	1.894617	1.978677	1.987129	2.181668	2.117603	2.258349	1.648695	2.108984	2.127218	4.382206	4.331577	4.662859	4.015478	3.987816	4.194539	4.54135	4.432969	4.129778
KTN1-AS1	ENSG00000186615	-0.4149	2.007782	-1.95975	0.06617	0.095535	-5.0257	3.026682	3.260998	2.900124	2.359902	2.229385	1.840725	1.762502	2.451551	2.202855	2.392392	2.372288	2.183199	2.439743	2.48471	2.294605	2.448672	1.795362	1.877799
KATNA1	ENSG00000186625	-0.09578	3.703727	-1.16734	0.258754	0.318286	-6.61195	4.117062	3.888531	4.034833	3.605613	3.867423	3.510758	3.523527	3.736817	3.557782	3.950439	3.901847	3.951019	4.011012	3.999514	4.024267	3.711377	3.735773	3.540816
ARAP1	ENSG00000186635	0.29655	5.900389	4.084656	0.000734	0.001721	-1.58595	5.394524	5.318988	5.353819	5.236746	5.395699	5.195807	5.203583	5.146277	5.07736	6.391835	6.397509	6.397191	6.959349	6.882234	6.81938	6.530728	6.510565	6.490722
KIF24	ENSG00000186638	-0.85708	2.099953	-3.88025	0.001149	0.002554	-1.15575	2.296082	2.308123	2.138168	2.518519	2.366112	2.258349	2.806512	2.623806	2.408535	2.664903	2.946841	2.893183	1.621093	1.622273	1.722572	2.990321	2.854728	2.687355
PDE2A	ENSG00000186642	-3.16702	0.232011	-5.95968	1.38E-05	5.28E-05	3.349728	2.965042	2.534795	2.758051	0.52061	0.512209	0.2349	1.389995	1.430416	1.0941	1.158593	1.335727	1.305813	0.610222	0.26996	0.470356	1.948641	1.981819	1.775544
PRR5	ENSG00000186654	-0.43652	2.133813	-2.69756	0.014993	0.025329	-3.66085	2.996191	2.76681	2.812981	2.548252	2.686486	2.429135	1.966276	2.290412	2.643847	2.263275	2.405511	2.510098	2.145912	1.921808	2.014873	2.479639	2.585506	2.570068
ZFP91	ENSG00000186660	-0.34842	6.684085	-6.72383	3.09E-06	1.44E-05	3.944512	6.54214	6.582925	6.505617	6.318771	6.163893	6.322707	6.815607	6.765948	6.754262	7.059068	6.99758	7.042551	6.602156	6.629065	6.654912	6.960663	6.875001	6.984636
C17orf58	ENSG00000186665	-0.03879	4.68827	-0.50218	0.621805	0.676421	-7.41577	4.605251	4.527784	4.652033	4.778495	4.84865	4.72957	4.174919	4.203129	4.270596	5.063439	5.014203	5.119519	4.818614	4.882244	5.020346	4.820694	4.965609	4.934632
BCDIN3D	ENSG00000186666	0.107746	3.66182	1.462104	0.161461	0.209768	-6.17844	3.719942	3.872022	3.83701	3.999198	3.978251	3.954853	3.953155	3.868266	4.08316	3.599408	3.562131	3.712353	3.719554	3.779712	3.517722	3.603046	3.449945	3.761956
CYP27C1	ENSG00000186684	0.331294	0.2193	1.978189	0.063891	0.092677	-5.01608	0.216396	0.499412	0.219246	0.52061	0.730585	0.2349	0.269385	0.253663	0.256032	2.664903	2.546219	2.497858	2.812503	2.925848	2.633039	3.171932	3.009816	3.135595
LYRM7	ENSG00000186687	-0.31105	4.884827	-3.83235	0.001277	0.002807	-1.96686	4.650007	4.852052	4.66702	4.350907	4.529983	4.447604	4.737903	4.68386	4.751857	5.62347	5.53695	5.44688	5.119672	5.280064	5.227188	5.018176	4.930438	4.99276
DTX2P1	ENSG00000186704	0.146066	-0.03323	0.628775	0.537628	0.598752	-6.18503	1.010037	1.118985	1.256574	0.841981	0.828511	0.909432	1.240874	0.915275	0.735084	0.7264	1.112482	0.846782	1.154653	1.320413	1.129895	1.099384	1.2488	0.872651
BCR	ENSG00000186716	0.466161	6.797711	12.61994	3.26E-10	7.77E-09	13.40435	6.196482	6.127503	6.17962	6.624643	6.635697	6.473492	6.314182	6.331009	6.273953	7.050009	7.017864	7.102385	7.628439	7.534907	7.504802	7.251083	7.178696	7.188239
SPIN4	ENSG00000186767	-0.26838	4.427025	-1.83373	0.08378	0.117809	-5.80917	4.179456	4.210824	3.979882	4.472198	4.42432	4.460795	4.99237	4.819999	4.819498	4.874259	4.784095	4.711369	4.122859	4.034047	4.21867	4.598895	4.721863	4.510131
SPIN2B	ENSG00000186787	0.333253	2.252465	1.882852	0.076474	0.108694	-5.1984	2.815895	2.403106	2.621113	2.393052	2.686486	2.196611	2.186178	2.596487	3.124172	2.14259	2.388995	2.286428	2.911671	2.837366	2.833866	2.417026	2.33471	2.570068
HYAL3	ENSG00000186792	-0.50166	2.341605	-4.66951	0.000205	0.000558	0.50915	3.487617	3.461896	3.408073	2.766336	3.033076	3.119801	2.832807	2.702788	3.104585	2.543041	2.193623	2.435052	2.009285	1.970168	2.121111	2.075685	1.956613	2.119598
VSIG10L	ENSG00000186806	0.182699	2.302784	1.203147	0.244964	0.302814	-6.11823	2.568952	2.448351	2.794903	3.181227	3.225109	2.998412	2.806512	2.801791	2.748518	2.243849	2.267764	2.369387	2.162115	2.169719	2.07955	2.719047	2.500854	2.464474
ZNF397	ENSG00000186812	0.335052	4.305389	4.490965	0.000302	0.000786	-0.38396	4.605251	4.412648	4.48167	4.707799	4.515354	4.651187	4.225415	4.175703	4.235006	4.103779	4.327249	4.108233	4.580176	4.53375	4.807727	4.072963	4.11758	4.177341
ZSCAN30	ENSG00000186814	0.407194	3.230107	4.333354	0.000426	0.001063	-0.48505	2.933205	3.100202	2.794903	3.441022	3.329147	3.405543	3.315502	3.431409	3.468658	3.394446	3.524821	3.380287	3.652319	3.695921	3.886451	3.341669	3.317614	3.487904
TPCN1	ENSG00000186815	0.156185	6.462235	3.416094	0.003186	0.006349	-3.08161	6.645222	6.631548	6.570816	6.622897	6.77884	6.778813	6.366869	6.371863	6.391763	6.328695	6.328814	6.274307	6.486279	6.493976	6.531263	6.340349	6.354073	6.328649
KRT16	ENSG00000186832	-0.16205	0.06844	-1.13314	0.272459	0.33273	-6.51605	0.41387	0.316291	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.895476	3.722323	3.891447	3.918659	3.622174	3.68641	4.156784	4.313961	4.115895
HEXIM1	ENSG00000186834	-0.24539	7.393152	-2.87593	0.010271	0.018068	-4.27137	8.719165	8.659072	8.726189	8.311166	8.276232	8.244669	8.084458	8.039267	8.142981	6.467061	6.377765	6.516505	6.389816	6.477341	6.427415	6.538102	6.420104	6.456705
KRT14	ENSG00000186847	-0.36658	-1.55793	-1.67459	0.111814	0.152063	-5.15774	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.278001	2.032826	1.986992	1.498836	1.591687	1.08859	2.055273	1.981819	1.973284
TRABD2A	ENSG00000186854	0.546747	0.797293	1.931499	0.069802	0.10022	-4.86722	0.318509	0.8079	1.028027	1.182548	1.164793	1.123626	0.782422	1.549165	1.38134	2.056133	1.725977	1.514616	1.573426	2.190279	2.257813	2.692858	2.212266	2.760563
PDZD7	ENSG00000186862	0.301982	0.144209	2.026371	0.058266	0.085322	-4.5807	0.667115	0.875715	0.898566	1.104644	1.006428	0.909432	0.983587	0.824004	0.629397	1.352446	1.335727	1.360915	1.420179	1.462417	1.580823	1.286141	1.442809	1.058313
POFUT2	ENSG00000186866	0.396579	5.609023	5.127229	7.72E-05	0.000236	0.782716	5.319544	5.499103	5.552509	5.743505	5.732536	5.882614	6.031589	5.80423	5.983548	5.387157	5.438064	5.299534	5.899924	5.77289	5.715039	5.498185	5.500503	5.453733
MAPT	ENSG00000186868	0.479844	-0.83859	1.006547	0.327885	0.391292	-5.68816	1.959273	2.09705	2.194417	2.661411	2.03796	2.455733	2.724622	2.511284	2.501332	0.106501	0.185134	0.16959	0.106501	0.345231	0.335616	0.393424	0.106501	0.106501
ERCC6L	ENSG00000186871	-1.93878	3.136443	-5.48955	3.62E-05	0.000121	2.175358	3.792713	3.7953	3.83701	3.21869	3.602632	3.216292	3.761137	4.060466	3.957772	4.098381	3.942027	3.92383	1.420179	1.282615	1.209118	3.900611	3.743163	3.814473
TMEM17	ENSG00000186889	-0.65227	2.805945	-4.18961	0.000583	0.001404	-0.61559	3.952119	4.197635	3.783005	3.661095	3.410458	3.59692	2.933443	3.102941	3.513908	2.817246	2.889287	2.766268	1.897591	2.21055	2.257813	2.448672	2.447571	2.610232
TNFRSF18	ENSG00000186891	0.759248	0.199451	4.881119	0.00013	0.000374	0.711367	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.253663	0.256032	3.629659	3.633975	4.112253	4.515435	4.577331	4.535391	4.581158	4.247965	4.066226
RTN4RL2	ENSG00000186907	-0.87051	-0.08806	-2.21224	0.040527	0.061551	-4.03759	3.313074	3.085957	3.489013	2.518519	2.686486	2.532704	2.607661	2.451551	2.560038	0.34397	0.259702	0.230035	0.171976	0.416769	0.106501	0.257084	0.433238	0.409347
ZDHHC17	ENSG00000186908	0.637228	4.572724	5.678636	2.45E-05	8.59E-05	2.196195	4.516725	4.55906	4.464617	5.26388	5.226392	5.411567	5.461262	5.646681	5.526952	3.991785	4.071868	3.754117	4.207266	4.344933	4.406863	4.127753	4.2788	4.249053
ZNF395	ENSG00000186918	-0.11093	4.361341	-1.54552	0.140135	0.185393	-6.42485	3.236881	3.405656	3.190238	3.020814	3.073582	3.26222	2.779728	2.916694	2.670735	5.776643	5.952525	5.866538	5.816647	5.743628	5.758486	6.062088	5.966024	5.960412
PPARA	ENSG00000186951	1.42978	3.673223	10.54705	5.31E-09	7.17E-08	10.92229	3.128595	3.085957	3.148134	4.263984	4.020303	4.113606	4.225415	4.194045	3.968647	3.091698	3.241771	2.957162	4.580176	4.604394	4.613913	3.691675	3.757829	3.621636
KANK3	ENSG00000186994	-0.62621	-0.28577	-2.18271	0.042966	0.064917	-4.11746	1.475543	2.152784	2.194417	1.791994	1.373859	1.714252	1.389995	1.231675	1.445026	0.609835	0.695454	0.726056	0.562188	0.416769	0.263213	0.326864	0.2791	0.497646
PTRH1	ENSG00000187024	1.288522	3.038418	8.641701	1.01E-07	7.97E-07	7.940036	2.780548	2.655462	2.720234	3.21869	3.394558	2.998412	2.696258	1.760835	2.530983	2.930935	3.023743	3.305013	4.499582	4.585115	4.584502	3.530961	3.571152	3.387478
GPR141	ENSG00000187037	-0.06054	-1.30975	-0.22302	0.826109	0.855978	-6.17475	2.438959	2.534795	2.739267	2.887595	2.490996	2.455733	2.412257	2.511284	2.165532	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TMEM216	ENSG00000187049	-0.20108	3.947399	-2.96584	0.008472	0.015209	-3.83373	2.744313	2.91921	2.661582	2.181668	2.078331	2.605775	2.144798	2.357042	2.005764	5.976711	5.861181	6.028458	5.817926	5.809899	5.797461	5.797564	5.782762	5.582975
RPS19BP1	ENSG00000187051	0.08576	5.830165	1.612491	0.124765	0.167754	-6.4176	5.834455	5.854621	5.837213	5.941353	6.091772	5.857899	6.073542	6.128954	6.185827	5.571821	5.544427	5.759107	5.753885	5.699488	5.594809	6.007353	5.898138	5.780706
TEAD1	ENSG00000187079	-0.436	7.317311	-5.57522	3.03E-05	0.000104	1.581095	8.35473	8.348956	8.409417	7.75146	7.739857	7.814738	8.402363	8.419927	8.371178	6.613318	6.714919	6.538332	6.386372	6.384488	6.378985	6.397209	6.448634	6.4373
PLCD1	ENSG00000187091	0.593475	1.84668	2.714603	0.014465	0.024547	-3.66016	2.109269	2.125186	2.221741	1.791994	1.864131	1.526279	2.01302	1.760835	2.005764	2.163418	2.249583	2.272125	3.310958	3.065945	3.137101	2.013561	2.410923	2.091498
CCK	ENSG00000187094	0.391375	-1.26893	1.836138	0.083408	0.117352	-4.9762	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.269385	0.106501	0.106501	1.787595	1.851833	1.951531	1.897591	2.250257	2.036756	1.759719	1.707432	1.504318
ENTPD5	ENSG00000187097	-0.1968	4.647651	-2.57108	0.019535	0.032102	-4.50266	5.506933	5.455446	5.347631	5.277258	4.950037	5.050687	4.986526	5.03875	5.092354	4.337085	4.331577	4.216766	4.268416	4.230476	4.315833	4.036981	4.005291	4.329449
MITF	ENSG00000187098	-1.01959	4.61856	-6.68726	3.31E-06	1.53E-05	4.159963	5.999192	5.889898	5.848213	5.041505	4.982309	4.997371	3.941119	4.090149	3.82044	4.971948	5.051412	5.035219	3.899458	4.067774	4.029733	4.189932	4.211138	4.261717
NAP1L1	ENSG00000187109	-0.26886	9.001311	-8.17915	2.21E-07	1.52E-06	6.534272	9.903276	9.898881	9.842924	9.734572	9.578205	9.651898	9.71746	9.80876	9.751884	8.396433	8.378143	8.402512	8.044702	8.102743	8.091655	8.261929	8.216106	8.301871
CMC1	ENSG00000187118	-0.34807	4.25828	-3.79413	0.001389	0.003024	-1.88377	4.726299	4.83937	4.720675	4.342447	4.293254	3.964146	4.011872	4.474723	4.296723	4.327889	4.322908	4.389024	4.272153	4.195307	4.114488	4.311095	4.293974	4.136669
LYPD6	ENSG00000187123	-0.5934	1.486112	-2.22491	0.03952	0.060202	-4.42044	2.392887	2.332462	2.326135	1.104644	1.556428	1.123626	2.637802	2.029503	2.087859	2.100009	1.875739	2.136592	1.858352	2.127698	2.34809	1.627702	1.766644	1.910335
AKR1C1	ENSG00000187134	-0.01498	4.834013	-0.05315	0.958218	0.965539	-6.62904	10.23376	10.25894	10.20053	10.23892	10.32519	10.22533	10.03928	10.03053	9.993674	1.239286	1.112482	0.76743	0.407676	0.612281	0.404558	1.214313	0.924142	1.115245
RNF220	ENSG00000187147	-0.3419	6.279457	-7.95687	3.24E-07	2.11E-06	6.303326	6.133086	6.213556	6.131809	5.781554	5.647884	5.735705	6.087259	6.161941	6.007476	6.755564	6.748484	6.747283	6.470914	6.48256	6.481271	6.568127	6.62698	6.601968
SHTN1	ENSG00000187164	0.475453	5.337723	10.75852	3.92E-09	5.58E-08	11.09406	6.657452	6.737869	6.669617	7.17487	7.108636	7.204429	6.600985	6.546187	6.584368	3.889238	3.913441	3.804677	4.334248	4.335734	4.237689	3.749992	3.713375	3.840032
BAGE2	ENSG00000187172	0.085957	-0.43541	1.086218	0.292137	0.353638	-6.47255	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.637124	3.647924	3.608031	3.663745	3.637228	3.754018	3.333216	3.267249	3.149291
AC092118.	ENSG00000187185	0.740227	1.234261	2.902477	0.009705	0.017192	-2.89233	3.983545	4.043996	3.783005	4.687901	4.758354	4.473866	3.916741	3.924273	4.141991	0.54782	0.398185	0.499259	0.745413	0.550009	0.862212	0.257084	0.19538	0.409347
ZNF546	ENSG00000187187	0.346208	-1.26352	0.689907	0.499311	0.561923	-5.90294	1.519087	1.508929	1.499186	1.326771	1.817192	2.098749	2.226405	1.901414	2.087859	0.106501	0.106501	0.230035	0.106501	0.190544	0.186984	0.106501	0.2791	0.580851
TSPYL4	ENSG00000187189	0.538619	4.842346	9.393976	3.01E-08	2.90E-07	8.879678	3.420312	3.557914	3.565652	4.359318	4.301803	4.351728	3.555458	3.82184	3.498982	5.855556	5.804708	5.892483	6.317514	6.272043	6.261939	5.839946	5.861261	5.849434
MT1X	ENSG00000187193	-1.45924	4.425362	-13.6259	9.60E-11	3.17E-09	14.89962	4.309146	4.197635	4.406272	2.887595	2.71237	2.605775	4.591583	4.497055	4.647437	5.761354	5.719758	5.574748	4.241981	4.398927	4.385705	5.351042	5.489561	5.448204
GCNT1	ENSG00000187210	0.752307	3.792657	13.62534	9.60E-11	3.17E-09	14.75178	1.286899	1.465573	0.829201	1.256461	1.718467	1.250575	1.160105	0.726566	0.925731	7.229243	7.263579	7.206649	7.977049	7.977109	8.037062	6.75692	6.737476	6.787461
SESTD1	ENSG00000187231	-0.3193	5.74861	-2.25157	0.037477	0.05744	-5.26407	6.865747	6.76941	6.863145	6.460381	6.310908	6.462058	7.077167	7.093593	7.110303	5.015558	5.038233	5.01818	4.841432	4.856747	4.885155	4.500412	4.460128	4.477932
FNBP1	ENSG00000187239	-0.12183	6.080317	-1.64314	0.118221	0.159877	-6.44956	5.799565	5.85672	5.776322	5.827747	5.800478	5.958972	5.374422	5.380521	5.493457	6.682591	6.557555	6.594732	6.417077	6.392273	6.347596	6.514932	6.48545	6.596979

DYNC2H1	ENSG00000187240	0.414721	4.413621	3.092952	0.006441	0.011945	-3.45505	3.952119	3.936954	3.726899	4.681208	4.43213	4.969954	4.437325	4.474723	4.388669	4.755823	4.922503	4.428251	4.821167	4.760348	4.851597	4.319678	4.343431	4.510131
BCAM	ENSG00000187244	2.179626	5.605408	7.438253	8.16E-07	4.61E-06	5.392973	3.114469	3.169391	3.309643	3.57705	3.912781	3.689474	5.115291	4.765849	4.934903	6.208578	6.289311	6.393892	8.918111	8.797033	8.833652	7.037467	7.088025	6.860046
RSBN1L	ENSG00000187257	0.60349	4.58724	5.811657	1.87E-05	6.78E-05	2.398067	3.819083	3.846899	3.947516	5.020445	4.764552	4.735009	4.673889	4.889176	4.73921	4.630531	4.588222	4.671058	4.994054	4.968095	4.94134	4.84468	4.710599	4.922721
EPOR	ENSG00000187266	1.168042	1.710266	8.134299	2.39E-07	1.62E-06	7.251278	1.286899	1.465573	1.54317	2.548252	2.904251	2.374422	2.058296	1.901414	1.727075	2.100009	2.032826	2.021603	2.930712	2.581279	2.795875	2.115663	2.054898	1.910335
TAF9B	ENSG00000187325	0.155299	5.202552	2.602096	0.018313	0.030235	-4.57511	5.603648	5.661609	5.522611	5.839819	5.751385	5.832753	5.478019	5.599299	5.427983	4.945135	4.922503	5.022459	4.96664	5.10974	5.087406	4.537676	4.495561	4.597643
PCDHB13	ENSG00000187372	0.819671	2.886449	8.213246	2.08E-07	1.45E-06	7.150091	1.336422	1.551021	1.453818	2.633943	2.904251	2.374422	2.01302	1.710758	1.674905	3.991785	4.029873	4.059098	4.621778	4.689902	4.752597	4.434767	4.446612	4.329449
MAGI2	ENSG00000187391	1.046284	0.416828	4.990378	0.000103	0.000304	1.408709	1.010037	1.226787	1.406977	1.256461	1.612488	1.367251	0.886508	1.082132	1.244857	0.88529	0.799097	0.884879	1.711947	1.738515	1.722572	1.286141	1.2488	1.461048
CHP1	ENSG00000187446	0.306525	6.505843	5.575208	3.03E-05	0.000104	1.625629	6.845578	6.671448	6.726758	6.944119	6.85198	7.02513	6.853024	6.846424	6.766778	6.02018	6.140623	6.056895	6.490296	6.467899	6.477276	6.104924	5.9786	6.140906
COL4A1	ENSG00000187498	-0.14606	0.832763	-0.36225	0.721507	0.766726	-6.24377	5.485141	5.441528	5.429007	5.371747	5.387689	5.428451	5.547145	5.492201	5.451432	0.415169	0.106501	0.16959	0.106501	0.106501	0.106501	0.326864	0.2791	0.214669
PTMA	ENSG00000187514	0.027168	10.00151	0.532535	0.601061	0.657924	-7.90052	9.916439	9.943758	9.921185	10.1182	10.15455	10.15086	10.22757	10.3086	10.26511	9.88774	9.840663	9.913112	9.681867	9.776287	9.743963	10.0097	10.07306	10.12099
HSPA14	ENSG00000187522	-0.71725	5.375602	-14.7026	2.81E-11	1.29E-09	16.08142	6.042734	6.05805	5.910407	5.408686	5.3593	5.428451	5.872748	5.862728	5.785592	5.335326	5.452044	5.413061	4.592186	4.660731	4.599282	5.255863	5.1548	5.243178
SIRT7	ENSG00000187531	-0.03171	5.468915	-0.47067	0.643694	0.695556	-7.59003	5.160214	5.204977	5.16263	4.790984	4.971631	4.859751	4.681143	4.657666	4.66091	6.170502	5.992705	6.112139	6.270646	6.127612	6.201469	6.008681	6.059258	6.002519
IFT140	ENSG00000187535	1.009036	3.964014	9.81166	1.58E-08	1.73E-07	9.761081	3.928091	3.7235	3.931056	4.54774	4.416469	4.549901	4.330652	3.978187	3.82044	3.471629	3.576789	3.495574	4.805779	4.529722	4.688381	3.842237	3.713375	3.744016
AGMO	ENSG00000187546	0.231501	-1.02339	0.797743	0.435724	0.500244	-6.21482	0.106501	0.410755	0.219246	0.395333	0.389229	0.461789	0.106501	0.106501	0.106501	1.616888	1.851833	1.333627	1.621093	1.393161	1.610309	1.482378	1.406038	1.546329
TLR5	ENSG00000187554	1.270399	-0.2787	5.638539	2.66E-05	9.23E-05	2.676524	0.41387	0.410755	0.323815	0.742604	0.389229	0.461789	0.415731	0.106501	0.515351	1.490718	1.403073	1.387696	2.439743	2.596763	2.34809	1.482378	1.795362	1.546329
USP7	ENSG00000187555	-0.01658	7.454639	-0.47303	0.642047	0.694019	-7.75083	7.776817	7.802577	7.778101	7.757836	7.738284	7.827524	8.079662	8.01819	8.05897	7.003839	7.082845	6.938282	6.926526	6.99609	7.03177	7.199699	7.137231	7.189068
NHLRC1	ENSG00000187566	0.504018	1.201566	3.151912	0.005668	0.010641	-2.69558	1.519087	0.875715	1.406977	1.182548	1.087782	1.367251	1.389995	1.082132	0.833554	1.98771	2.249583	2.120715	2.626498	2.714997	2.661487	2.334732	2.665466	2.374055
PLEKHN1	ENSG00000187583	0.510273	2.844319	3.615467	0.002057	0.004314	-2.28768	2.19231	2.308123	2.248556	1.791994	1.666451	1.714252	1.459147	1.001115	0.833554	4.299944	4.369954	4.500578	4.984974	5.037822	5.060955	4.581158	4.729324	4.541628
MAGEH1	ENSG00000187601	0.130883	1.875659	1.006747	0.327791	0.391246	-6.27102	2.109269	2.206444	1.921989	2.021307	2.398361	2.605775	2.26554	2.511284	2.202855	2.121457	2.155072	2.435052	2.096181	2.326537	2.294605	2.229352	2.212266	2.14716
TET3	ENSG00000187605	-0.75138	5.881777	-8.55667	1.17E-07	8.93E-07	7.40403	6.004946	5.977387	6.104547	4.660937	4.905853	5.127141	5.469665	5.481041	5.519576	6.642355	6.701606	6.581744	6.052224	6.144832	6.178277	6.367507	6.155164	6.287442
ZNF286A	ENSG00000187607	1.464102	3.529291	18.02781	9.83E-13	1.09E-10	19.38597	2.725848	2.470453	2.621113	3.921807	3.901574	4.071231	3.866715	3.946081	3.856018	3.113269	3.086546	3.125724	4.397206	4.425185	4.41524	3.917673	4.011424	4.129778
ISG15	ENSG00000187608	-1.07101	5.177093	-10.7408	4.02E-09	5.66E-08	10.85841	2.438959	2.596389	2.446827	2.325974	2.366112	2.258349	2.186178	2.255906	2.309357	8.420695	8.507855	8.703968	7.377926	7.487412	7.428228	9.109996	9.040607	8.886726
EXD3	ENSG00000187609	-0.20825	4.01769	-1.68867	0.109044	0.148708	-5.9726	4.416666	4.372133	4.476008	3.77864	3.844198	3.523386	3.976929	4.060466	4.093134	3.997596	4.066685	4.317702	4.410831	4.154036	4.213876	4.036981	4.156841	4.051715
C17orf97	ENSG00000187624	0.689272	2.464733	4.164397	0.000616	0.001473	-0.55786	3.487617	3.732673	3.65856	4.009923	4.158524	3.838399	3.507292	3.302095	3.528681	1.457372	1.403073	1.60868	2.591031	2.344993	2.382676	1.512637	1.645686	1.942153
ZKSCAN4	ENSG00000187626	0.301045	2.892162	4.590193	0.000244	0.00065	0.12589	2.589523	2.71221	2.621113	2.740812	2.85862	2.904994	2.724622	2.848856	2.798137	3.216534	3.295928	3.109727	3.46257	3.591587	3.454098	3.516101	3.562824	3.540816
DHRS4L2	ENSG00000187630	0.162584	3.855526	2.087395	0.051786	0.076808	-5.27184	4.036946	3.896716	4.003689	3.933121	4.177232	3.982555	3.80164	3.856799	3.746538	3.702624	3.890158	3.848714	4.068019	4.084346	3.968435	4.175819	3.974229	4.051715
SAMD11	ENSG00000187634	2.481377	2.299054	12.74302	2.80E-10	6.90E-09	13.84982	1.959273	1.915637	2.194417	3.955484	4.081169	3.888069	2.01302	2.069791	2.127218	1.940223	2.303453	2.228347	4.441025	4.438137	4.527685	1.320757	1.581179	0.999041
VMAC	ENSG00000187650	0.619758	0.478036	3.059527	0.006924	0.012736	-2.72538	1.235614	1.374745	1.028027	1.393812	0.828511	1.367251	0.548589	0.622068	1.01237	1.52331	1.403073	1.413989	2.044674	1.970168	2.276326	1.177011	1.513652	1.170016
TMSB4XP8	ENSG00000187653	0.99706	1.349542	6.487971	4.87E-06	2.13E-05	4.326185	1.384302	1.465573	1.706811	2.605941	2.549605	2.402038	2.102195	1.809233	2.047395	1.704765	1.498542	1.333627	1.897591	1.897007	2.10048	1.627702	1.513652	1.844513
B3GLCT	ENSG00000187676	-0.29705	3.311946	-1.68898	0.108982	0.148653	-5.66275	4.088441	4.080378	4.011539	4.272916	4.1957	4.088331	4.011872	4.230044	4.073118	2.990428	3.013005	3.125724	2.529911	2.451029	1.947161	3.227721	3.058015	3.189613
SPRY4	ENSG00000187678	-2.08263	5.549657	-22.0354	3.39E-14	1.07E-11	22.81899	7.227465	7.118103	7.140513	4.759555	4.966263	5.055043	6.195078	6.175851	6.195117	5.868298	5.886405	5.751395	4.097807	4.039723	3.916269	5.404468	5.363378	5.450971
TRPV2	ENSG00000187688	-0.07294	1.514589	-0.12628	0.900954	0.918626	-6.36941	5.011887	5.018804	5.141325	5.209091	5.514478	5.199746	5.365443	5.206241	5.036597	0.7264	0.799097	0.846782	0.171976	0.106501	0.106501	0.457048	0.504542	0.734116
AMTN	ENSG00000187689	1.44101	-1.45618	6.985672	1.88E-06	9.44E-06	5.259105	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.646779	1.498542	1.46518	2.694919	2.700737	2.918805	1.214313	1.406038	1.461048
TMEM203	ENSG00000187713	-0.00647	5.502785	-0.10335	0.918859	0.933608	-7.67858	5.468578	5.471972	5.460888	5.629907	5.554381	5.464914	5.213624	5.053893	5.036597	5.719774	5.718106	5.793312	5.662871	5.65765	5.738596	5.745959	5.599495	5.65194
THSD4	ENSG00000187720	-0.23643	5.988271	-1.49561	0.152593	0.199924	-6.49678	7.311129	7.310335	7.30443	6.677732	6.589306	6.675109	7.774342	7.697438	7.74468	4.485065	4.439772	4.402219	4.890883	5.009177	4.851597	5.069967	5.021374	5.130317
TCEA1	ENSG00000187735	-0.31798	7.378168	-6.52551	4.52E-06	2.00E-05	3.486788	7.127264	7.195609	7.166231	7.074996	7.006421	7.033983	7.186989	7.206314	7.215625	7.820209	7.799033	7.829744	7.317723	7.380204	7.349548	7.730539	7.749112	7.781513
FANCA	ENSG00000187741	-1.41877	5.293069	-4.89467	0.000127	0.000364	0.418701	6.018285	5.979315	6.111867	5.650615	5.74826	5.722075	5.83747	5.836697	5.788664	5.808398	5.867156	5.689511	3.353912	3.272884	3.308792	5.342644	5.326959	5.518482
SECISBP2	ENSG00000187742	-0.02803	6.423423	-0.56484	0.579364	0.637407	-7.628	6.229625	6.182094	6.044605	6.261586	6.19406	6.295356	6.434968	6.377892	6.417788	6.676264	6.677158	6.623183	6.470914	6.543758	6.58516	6.663925	6.616959	6.640054
SEMA4D	ENSG00000187764	-0.11714	3.227177	-0.90087	0.379905	0.44458	-6.85437	3.041689	2.836538	2.966237	3.020814	3.093416	3.103073	2.144798	2.511284	2.560038	3.991785	4.071868	3.829308	3.799417	3.799921	3.734067	4.293774	4.189664	4.115895
DNAH17	ENSG00000187775	-0.70261	2.543993	-4.64038	0.000219	0.00059	0.32024	2.609804	2.513665	2.469799	2.425456	2.605925	2.374422	2.186178	2.420731	2.440135	3.403229	3.509623	3.195594	2.614772	2.533802	2.416453	3.485915	3.579432	3.466183
MCRS1	ENSG00000187778	0.009822	6.439729	0.169683	0.867208	0.89085	-7.77037	6.652572	6.522063	6.560152	6.508442	6.546779	6.611477	6.691778	6.687205	6.779187	6.308968	6.279264	6.415201	6.362907	6.332254	6.411801	6.12465	6.190729	6.240231
FANCM	ENSG00000187790	-0.66674	2.975932	-3.54543	0.002399	0.004937	-2.13897	2.392887	2.470453	2.248556	2.864145	2.686486	2.784269	3.178682	3.178579	3.271973	3.914031	3.907656	3.973292	3.048706	2.729118	2.870883	3.793775	3.93605	3.788453
ZNF70	ENSG00000187792	0.568013	1.944193	3.751581	0.001525	0.003293	-1.47262	1.791852	1.849715	1.667608	2.577385	2.57804	2.763128	1.966276	1.809233	1.962896	2.37464	2.453955	2.136592	2.591031	2.581279	2.416453	2.539649	2.649824	2.687355
PEAR1	ENSG00000187800	-3.62001	-0.30844	-6.6466	3.58E-06	1.64E-05	4.588047	5.849458	5.822762	6.027288	2.359902	2.03796	2.317553	4.393833	4.194045	4.122646	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.2791	0.106501
ZFP69B	ENSG00000187801	-0.31339	2.509028	-2.14342	0.04642	0.069486	-4.74114	3.476616	3.323044	3.359697	2.688367	2.71237	2.719893	3.370387	3.3682	3.254305	2.204194	2.469748	2.136592	2.452975	2.363215	2.365487	2.464239	2.354144	2.649309
SOWAHD	ENSG00000187808	0.157011	-1.28649	0.769784	0.451707	0.515849	-6.24859	0.106501	0.215206	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.52331	1.616737	1.67541	1.689764	1.710321	1.639204	2.432936	2.146913	2.14716
ZFP69	ENSG00000187815	0.327496	2.115694	2.719689	0.01431	0.024311	-3.65997	1.642349	1.670392	2.079636	2.359902	2.078331	2.132113	2.513265	2.389238	2.501332	2.527059	2.546219	2.649405	2.749557	2.863205	2.675503	2.639009	2.908298	2.944608
H1-2	ENSG00000187837	0.548218	6.532848	2.820606	0.011556	0.020078	-4.34821	6.966502	6.814386	6.885741	6.730558	6.732159	6.598108	6.536452	6.609051	6.666815	6.044242	5.95112	6.084781	7.27785	7.237472	7.234136	5.833967	5.861261	5.832557
EIF4EBP1	ENSG00000187840	-1.04832	6.500888	-20.0897	1.61E-13	2.86E-11	21.25435	6.605374	6.627865	6.677038	5.59472	5.707014	5.535187	6.273964	6.293224	6.242934	7.290881	7.148095	7.295069	6.203734	6.279259	6.157205	7.185682	7.148406	7.068114
CCDC157	ENSG00000187860	0.531727	1.986613	4.970017	0.000108	0.000316	1.085182	1.959273	1.591918	1.744977	2.425456	2.193078	2.317553	1.70672	1.945386	1.826075	2.894025	2.604605	2.682227	3.149671	3.054776	3.075009	2.448672	2.146913	2.374055
FAM122A	ENSG00000187866	0.197282	4.695121	1.993126	0.062097	0.09037	-5.55176	5.042051	4.885335	4.933939	5.218368	5.305047	5.394483	5.431459	5.659938	5.696813	4.232554	4.214605	4.257266	4.245787	4.210485	4.20424	4.293774	4.247965	4.136669
AC091057.	ENSG00000187951	-1.23431	2.558466	-5.71769	2.26E-05	8.02E-05	2.703267	3.100204	3.222448	3.044832	2.81607	2.549605	2.924168	3.238915	3.26787	3.340558	3.216534	3.023743	2.992487	1.689764	1.560439	1.390007	3.053433	3.127424	3.279535
PMS2CL	ENSG00000187953	0.185193	3.050931	2.217723	0.040089	0.060938	-4.82479	3.100204	2.950996	3.162305	3.020814	3.132285	3.459109	3.258446	3.384264	3.181386	3.246125	3.034402	3.164958	3.251622	3.348006	3.378997	3.181381	3.287607	3.444131
CYHR1	ENSG00000187954	0.69573	5.64578	16.01372	6.97E-12	4.85E-10	17.44992	5.197545	5.137514	5.248163	5.836811	5.856685	5.783733	5.203583	5.132077	5.229787	5.569872	5.787484	5.759107	6.497497	6.412102	6.361751	5.753898	5.707321	5.701584
DNER	ENSG00000187957	0.046672	5.550826	0.168991	0.867744	0.891273	-7.01519	9.544374	9.524962	9.550231	9.781682	9.726084	9.71845	9.262655	9.196699	9.270085	2.693825	2.531245	2.7037	1.308151	1.282615	1.355599	2.300453	2.274787	2.14716
KLHL17	ENSG00000187961	0.083068	3.440446	0.836069	0.414401	0.479512	-6.90794	3.19722	2.982098	3.133821	3.392671	3.734793	3.445903	3.238915	2.938616	3.289427	3.914031	3.958911	3.999574	3.965575	3.890658	3.754018	4.010719	3.910024	3.611778
RINL	ENSG00000187994	-0.58302	3.163411	-4.57619	0.000251	0.000667	0.143838	4.610293	4.765319	4.579961	3.921807	3.901574	3.786958	3.676552	3.633086	3.357206	2.817246	2.912585	2.766268	2.614772	2.686334	2.675503	2.479639	2.518186	2.48622
TPRG1	ENSG00000188001	-0.06146	1.020497	-0.42294	0.677494	0.726319	-6.57202	1.755904	1.591918	1.146821	1.688986	1.307481	1.367251	1.240874	1.231675	1.01237	1.964162	1.851833	1.915176	1.897591	1.897007	1.801384	1.833493	2.006592	1.877799
AC026412.	ENSG00000188002	0.156068	2.469653	1.226116	0.236419	0.293396	-5.9953	4.036946	3.912946	3.863273	4.132759	4.061165	4.071231	4.19533	4.119235	4.243986	1.646779	1.616737	1.277453	1.524131	1.462417	1.775589	1.419885	1.930959	1.626848
MORN2	ENSG00000188010	0.844173	3.897805	9.777167	1.66E-08	1.80E-07	9.716681	3.756787	3.846899	3.419917	4.199863	4.327153	4.372816	4.068294	4.019913	4.073118	3.666603	3.576789	3.567612	4.43437	4.442428	4.617548	3.724364	3.870083	3.969186
MEIS3P2	ENSG00000188013	0.281988	0.594729	1.624802	0.1221	0.164638	-5.2435	1.384302	1.118985	1.028027	1.256461	1.437317	1.526279	0.983587	1.301009	1.244857	1.199504	1.403073	1.387696	1.548989	1.560439	1.247156	1.354562	1.737342	1.703111
S100A3	ENSG00000188015	-3.0024	0.858804	-5.45725	3.87E-05	0.000129	2.367582	4.615318	4.644161	4.772407	1.578054	1.953662	1.250575	1.389995	2.357042	1.50602	1.315703	1.07167	0.76743	0.610222	0.612281	0.335616	0.974502	0.975239	0.872651
UBQLN2	ENSG00000188021	0.327608	6.337178	5.267044	5.75E-05	0.000182	1.001763	6.435391	6.422128	6.486032	6.966314	6.982688	6.94526	6.931165	6.739655	6.868995	5.93946	5.862677	5.814439	6.043504	5.90936	6.033424	5.984595	6.060737	5.989254
RILPL1	ENSG00000188026	0.607278	3.072274	4.857998	0.000137	0.00039	0.743488	3.056542	3.298545	3.162305	3.827958	3.878897	3.954853	3.507292	3.043491	3.406029	2.650221	2.741	2.796562	3.288992	3.04352	3.042931	3.307556	3.2466	3.162857
ARL4C	ENSG00000188042	-1.16373	5.681373	-5.02063	9.67E-05	0.000288	0.461056	5.575566	5.678322	5.615668	4.062381	3.945887	3.828257	3.238915	3.196885	3.143496	7.458256	7.500631	7.575798	6.59546	6.612021	6.589794	7.585945	7.523638	7.533226
RAB42	ENSG00000188060	1.851425	-0.58724	6.657668	3.51E-06	1.61E-05	4.640319	0.216396	0.106501	0.106501	0.258133	0.389229	0.106501	0.415731	0.387194	0.106501	1.616888	1.55885	1.800268	3.27416	3.131201	3.177059	1.903678	2.33471	2.226823
WNT7B	ENSG00000188064	0.803097	5.29884	6.486287	4.88E-06	2.13E-05	3.589505	4.610293	4.729112	4.753809	4.803367	4.933626	4.777799	4.302704	4.09991	4.141991	5.518254	5.538823	5.659606	6.72654	6.594774	6.598096	6.142902	6.167575	6.070675
C11orf95	ENSG00000188070	0.382019	4.451889	3.941552	0.001005	0.002273	-1.59053	4.327631	4.354415	4.320409	4.910272	4.917027	4.72411	4.723921	4.883536	4.940438	4.337085	4.314187	4.348702	4.604095	4.600559	4.496442	4.374256	4.106163	4.073428
GPR89B	ENSG00000188092	-0.08273	2.649368	-0.72155	0.480111	0.543449	-6.71189	2.629805	2.886707	2.641489	3.103249	2.970101	2.865864	2.832807	3.178579	2.892531	2.906434	3.055486	2.957162	2.717023	2.743101	2.574402	2.77004	2.921385	3.035906
C6orf132	ENSG00000188112	0.650436	1.977993	6.299599	7.03E-06	2.93E-05	3.276238	0.216396	0.215206	0.756332	0.52061	1.006428	0.746642	0.106501	0.253663	0.106501	5.940969	5.903948	6.020994	6.59023	6.510421	6.62272	5.747551	5.744615	5.754064
MAPK12	ENSG00000188130	-0.22684	3.949246	-2.54457	0.02064	0.033704	-4.3905	4.91334	4.706012	4.874926	4.517996	4.764552	4.543715	4.101117	4.203129	4.151567	3.673879	3.68898	3.696374	3.46257	3.470735	3.563664	3.447271	3.467897	3.641153
COL4A5	ENSG00000188153	1.223207	1.950727	5.309962	5.26E-05	0.000169	2.09129	8.429376	8.401307	8.48923	9.692752	9.622817	9.735001	8.694873	8.611639	8.670787	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AGRN	ENSG00000188157	0.534089	8.793981	3.596033	0.002147	0.004481	-2.89208	8.174139	8.178602	8.386209	8.366978	8.618383	8.347673	7.878992	7.79304	7.923701	8.680267	8.929162	9.066043	9.724089	9.665236	9.68456	9.844165	9.696173	9.401465
NHS	ENSG00000188158	0.628769	5.864904	5.041289	9.26E-05	0.000277	0.595944	5.823643	6.017344	6.130008	6.456466	6.321458	6.633486	6.823824	6.76748	6.751116	5.071726	5.160041	4.95243	5.776427	5.760913	5.875427	5.251384	5.203826	5.29338
TMPPE	ENSG00000188167	-0.13705	1.471112	-0.80664	0.430715	0.495584	-6.40125	1.755904	1.947501	1.744977	1.457877	1.556428	1.799787	1.648695	1.901414	1.918715	2.263275	1.899254	2.485514	2.385571	1.871771	2.257813	1.992244	1.737342	2.252429
ZNF626	ENSG00000188171	0.501934	0.06064	6.638333	3.64E-06	1.66E-05	4.221532	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.468423	4.331577	4.275306	4.841432	4.739573	4.923833	3.98397	4.232297	4.229846
ZC3H6	ENSG00000188177	0.247343	1.975445	1.744778	0.098581	0.136134	-5.31043	2.833249	2.76681	2.848472	2.887595	2.71237	2.652511	2.340763	2.389238	2.560038	1.91588	1.644832	1.820066	2.145912	2.381211	2.200805	2.173627	1.82352	1.81044
LINC00265	ENSG00000188185	-0.0527	2.406318	-0.46456	0.64798	0.699551	-6.89782	2.629805	2.982098	2.558197	2.255624	2.460774	2.5075	2.186178	2.324112	2.047395	3.047564	2.865607	3.077191	3.18974	2.850343	3.21594	2.464239	2.634012	2.778299
LAMTOR4	ENSG00000188186	0.311836	5.662334	7.258503	1.13E-06	6.12E-06	5.091981	5.677569	5.651972	5.56323	5.818626	5.946666	5.930809	5.722633	5.643348	5.500968	5.565966	5.508563	5.593562	5.90595	5.813217	5.953715	5.57368	5.556102	5.523749
PRKAR1B	ENSG00000188191	-0.44524	5.137217	-4.42086	0.000352	0.000899	-0.71656	5.434871	5.435922	5.41428	4.584077	4.782991	4.668345	4.622059	4.540708	4.626988	5.571821	5.4835	5.660978	5.414998	5.296751	5.301375	5.619586	5.467424	5.323893
NA	ENSG00000188206	0.344595	2.745743	1.787662	0.091182	0.127138	-5.44196	2.884092	2.935191	3.06005	3.898911	3.362223	3.765857	3.050103	3.196885	3.406029	2.868884	3.15652	2.382761	2.738794	2.50126	2.756856	2.135245	2.392244	2.863849
NCR3LG1	ENSG00000188211	-0.21308	2.922203	-1.62548	0.121955	0.164505	-5.64551	3.682132	3.786518	3.565652	3.562554	3.630051	3.75519	4.122591	4.273815	4.093134	2.558849	2.687979	2.592986	2.270712	2.084417	2.220059	2.509956	2.274787	2.742606
DCUN1D3	ENSG00000188215	-0.49204	3.427863	-5.42123	4.17E-05	0.000138	1.831733	4.014302	3.888531	3.914407	3.503067	3.47236	3.349911	3.474265	3.232814	3.453254	3.60703	3.66174	3.81458	3.429485	3.162755	3.272365	3.595997	3.628139	3.641153
ZNF793	ENSG00000188227	0.132745	-0.33722	1.606141	0.126158	0.169324	-5.83247	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.666603	3.793073	3.36689	3.746669	3.614588	3.713835	3.7814	3.750515	3.87342
TUBB4B	ENSG00000188229	-0.41577	9.019432	-3.61788	0.002046	0.004293	-2.83412	9.008904	8.96371	8.990252	8.943045	9.043626	8.927189	9.041288	9.044548	9.057648	9.266526	9.151992	9.304421	8.513843	8.456006	8.4433	9.477517	9.392445	9.376392
AGAP4	ENSG00000188234	-0.30083	1.904105	-2.65209	0.016496	0.02757	-3.67518	2.668993	2.76681	2.579475	2.359902	2.398361	2.455733	2.667326	2.777669	2.309357	2.243849	2.193623	2.021603	1.858352	1.897007	2.036756	1.784732	1.981819	1.81044
PP7080	ENSG00000188242	0.072026	5.060167	0.574104	0.573212	0.632056	-7.43737	4.199669	4.366251	4.288462	4.949796	4.917027	4.923071	5.066264	4.814082	5.046897	5.658737	5.592102	5.677352	5.423425	5.404061	5.352435	5.486798	5.460717	5.290293
COMMD6	ENSG00000188243	0.201004	5.093084	2.63563	0.017074	0.028436	-4.51853	5.285277	5.355074	5.274496	5.329563	5.270617	5.063714	5.043928	5.018308	4.878354	5.043915	4.96212	4.938912	5.366878	5.421557	5.393294	4.978075	4.867593	4.965925
HYKK	ENSG00000188266	0.1375	1.85991	0.979456	0.340718	0.404809	-6.25035	2.589523	2.49222	2.423483	2.91067	2.85862	2.652511	2.376953	2.568641	2.127218	1.840286	1.875739	2.004401	1.711947	1.871771	2.014873	2.034568	1.82352	2.06284
C15orf62	ENSG00000188277	-0.28485	0.525932	-1.65736	0.115286	0.15616	-5.28526	0.814199	0.875715	0.756332	0.841981	1.006428	0.746642	1.240874	1.15884	0.515351	2.121457	1.922393	2.120715	1.711947	1.738515	1.775589	1.809319	1.82352	1.81044
ZNF383	ENSG00000188283	0.333316	2.92683	3.216331	0.004928	0.009376	-2.81679	2.744313	3.042358	2.982302	2.887595	3.112982	3.26222	3.158032	3.3682	2.892531	3.002038	2.889287	3.133657	3.475595	3.193633	3.445943	3.022222	3.171908	3.241681
HES4	ENSG00000188290	-0.24728	2.956698	-2.02035	0.058943	0.086212	-5.27926	2.629805	2.470453	2.621113	2.21912	2.460774	1.757653	2.513265	2.420731	2.697131	3.681119	3.907656	4.205521	3.680716	3.799921	3.933868	4.194605	4.07722	3.725851
ZNF669	ENSG00000188295	-0.1645	3.161643	-1.81802	0.086242	0.120948	-5.55022	3.729242	3.58855	3.443319	3.237064	3.093416	3.216292	3.094248	3.40015	3.124172	3.420635	3.232543	3.393562	3.429485	3.38415	3.290693	3.26375	3.277464	3.149291
CENPP	ENSG00000188312	-1.34145	2.094073	-6.04838	1.16E-05	4.51E-05	3.371821	2.609804	2.283367	2.166567	2.063099	2.193078	2.22781	1.917967	2.451551	2.087859	3.42926	3.232543	3.164958	1.597456	1.738515	1.851631	2.866919	2.947209	2.912845
PLSCR1	ENSG00000188313	-0.56111	5.088219	-8.01259	2.94E-07	1.95E-06	6.486409	4.172655	4.223893	3.971859	3.80351	3.574682	3.733615	3.474265	3.535768	3.641718	6.794472	6.656607	6.725141	6.128422	6.16834	6.175814	6.62723	6.682805	6.661715
C3orf62	ENSG00000188315	0.608939	3.220396	6.501834	4.74E-06	2.08E-05	4.042146	3.071243	2.576149	2.848472	3.255206	3.31232	2.998412	2.981245	3.335526	3.254305	3.376719	3.322263	3.445469	3.90909	4.089828	4.104162	3.678389	3.579432	3.669942
ZNF559	ENSG00000188321	0.146437	3.012174	1.755834	0.096625	0.133778	-5.65219	2.744313	2.49222	2.492412	2.633943	2.605925	2.532704	2.957542	3.196885	3.143496	3.622156	3.406729	3.45816	3.617489	3.68147	3.700188	3.7814	3.713375	3.761956
SBK1	ENSG00000188322	0.688104	1.624103	7.237837	1.18E-06	6.30E-06	5.491434	0.814199	0.940485	1.088647	0.934951	0.92021	0.830331	0.782422	0.726566	0.735084	3.284659	3.356645	3.38694	4.015478	4.215509	3.968435	3.66498	3.636099	3.87342
GTF2F2	ENSG00000188342	-0.48213	5.6572	-4.26733	0.000492	0.001208	-1.11072	6.1677	6.228223	6.210636	5.199754	5.212855	5.294884	5.531176	5.686091	5.515873	5.705643	5.681277	5.865347	5.655736	5.666849	5.650865	5.72834	5.647541	5.717759
CIBAR1	ENSG00000188343	-0.29285	4.82682	-5.14445	7.44E-05	0.000228	0.956765	5.093368	5.137514	5.267957	4.96641	4.960875	5.046319	4.938902	4.928048	5.046897	4.963066	4.796672	4.883539	4.543538	4.557684	4.431851	4.780845	4.740443	4.740203
FOCAD	ENSG00000188352	-0.20463	5.265673	-1.13996	0.269685	0.32971	-6.93747	6.066775	6.070765	5.978065	5.112883	5.162106	5.033133	5.791286	5.517911	5.459165	4.883704	4.818421	4.781207	5.326113	5.218837	5.339289	4.917167	4.981317	5.041309
PRR19	ENSG00000188368	0.1608	0.977637	0.711562	0.486125	0.54934	-6.3989	1.010037	1.226787	1.088647	1.104644	1.996426	1.880533	1.160105	0.824004	1.38134	2.033684	1.752042	1.986992	1.973006	1.710321	1.695314	2.055273	2.146913	2.200755
ZP3	ENSG00000188372	-0.0948	3.477417	-1.19863	0.246672	0.304714	-6.41384	3.682132	3.628412	3.792147	3.392671	3.772191	3.620621	4.13321	4.247712	4.112876	3.284659	3.076267	3.406715	3.281595	3.173121	3.106389	3.793775	3.705831	3.761956
JAKMIP3	ENSG00000188385	0.415558	-0.57052	1.263103	0.223143	0.278743	-5.46675	2.850396	2.71221	3.419917	3.273122	3.670226	3.292047	3.539581	3.605944	3.668646	0.106501	0.185134	0.106501	0.171976	0.106501	0.106501	0.183756	0.19538	0.106501
SELL	ENSG00000188404	0.593462	2.317132	5.359367	4.74E-05	0.000154	1.617314	0.587539	0.736739	0.964748	1.519216	1.909591	1.880533	1.074544	1.231675	1.171446	4.242376	4.287703	4.395637	4.720818	4.80769	4.732626	4.147172	4.134537	4.190648
CHM	ENSG00000188419	0.029595	5.668198	0.548102	0.590554	0.647917	-7.49265	6.25721	6.120531	6.087938	6.320926	6.239272	6.311829	6.14086	6.214549	6.242934	5.205778	5.349076	5.225382	5.188526	5.133823	5.188613	5.015537	5.160331	5.184529
BLOC1S5	ENSG00000188428	-0.06139	3.268156	-0.74493	0.466214	0.52957	-6.92113	3.593253	3.450822	3.090013	3.21869	3.112982	3.119801	3.094248	3.160038	3.084728	3.666603	3.591299	3.748962	3.675081	3.688714	3.767168	3.462853	3.636099	3.352387
IER5L	ENSG00000188483	0.412206	5.663822	2.208411	0.040836	0.061994	-5.40092	5.468578	5.661609	5.799175	6.489409	6.798609	6.29167	5.847177	5.619796	5.716303	4.963066	5.380746	5.701568	5.311659	5.32724	5.374084	5.875309	5.739082	5.133766
H2AX	ENSG00000188486	-0.58384	5.974612	-3.28075	0.004283	0.008281	-3.30603	5.362012	5.51514	5.618241	5.59472	5.913577	5.451761	5.894757	5.724453	5.822029	6.339031	6.45517	6.770363	5.489122	5.591562	5.507395	7.193291	6.998236	6.756478
C19orf54	ENSG00000188493	-0.59072	3.906052	-7.92922	3.41E-07	2.20E-06	6.654733	4.776503	4.742796	4.89628	4.031135	4.267295	4.186878	4.143751	4.147745	4.141991	4.076585	3.824119	4.083875	3.569701	3.428092	3.571181	3.516101	3.215061	3.519884
C22orf34	ENSG00000188511	0.29821	-0.81967	1.902723	0.073683	0.105157	-5.03768	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	2.392392	2.303453	2.228347	2.529911	2.797719	2.497588	2.611312	2.741225	2.84714
FAM83G	ENSG00000188522	-0.24134	5.521646	-2.67404	0.015753	0.026465	-4.50998	5.575566	5.413282	5.579162	4.815644	4.933626	4.864722	5.620676	5.45466	5.412136	5.754507	5.650429	5.788295	5.816647	5.677811	5.761774	6.029758	5.958108	5.878503
SRSF10	ENSG00000188529	-0.55426	7.000998	-9.52182	2.46E-08	2.47E-07	8.928826	7.202643	7.195609	7.249069	6.717532	6.72423	6.634942	7.395415	7.455671	7.403676	7.234789	7.125217	7.117463	6.532195	6.555692	6.657562	7.003244	6.942355	7.084245
DUSP28	ENSG00000188542	0.24245	2.594725	2.673938	0.015757	0.026468	-3.85725	2.707144	2.576149	2.661582	3.123142	2.85862	2.980206	2.696258	2.825515	2.869505	2.83033	2.841532	2.966075	3.066031	3.065945	2.858649	2.639009	2.585506	2.687355
CCDC9B	ENSG00000188549	0.332319	5.502721	1.411104	0.175767	0.225881	-6.69826	5.731782	5.711177	5.805961	4.815644	4.831037	4.798728	5.015513	4.944392	5.087374	5.323808	5.423946	5.28714	6.511002	6.349496	6.445932	5.777454	5.879817	5.934941
NBR1	ENSG00000188554	0.009657	7.212554	0.086145	0.93233	0.944589	-7.8684	7.703808	7.681088	7.645037	7.217131	7.193787	7.239294	6.981981	7.104543	7.034696	7.030301	6.972858	7.025066	7.417272	7.464384	7.45336	6.913956	6.942355	6.988451
RALGAPA2	ENSG00000188559	0.363903	4.90939	5.65212	2.59E-05	9.00E-05	1.956951	4.702888	4.538284	4.515184	5.072529	5.084948	5.093661	4.411387	4.247712	4.132351	5.29814	5.323231	5.137382	5.527151	5.445273	5.587414	5.127316	5.072132	4.969789
NDOR1	ENSG00000188566	-0.36924	4.558716	-5.27657	5.64E-05	0.000179	1.250199	4.595114	4.429669	4.574673	4.227693	4.485643	4.48682	4.496094	4.109604	4.270596	5.009819	5.169742	5.097381	4.589193	4.634714	4.617548	4.787047	4.829917	4.780362
CFAP54	ENSG00000188596	0.705875	0.50728	2.773352	0.012776	0.021968	-3.25118	1.18244	1.508929	0.679585	1.393812	1.087782	1.250575	1.240874	0.824004	1.01237	1.239286	1.403073	1.188864	1.733794	1.970168	1.947161	0.930351	1.90484	1.416439
NPIPP1	ENSG00000188599	-0.20866	-0.01232	-0.80082	0.433985	0.498528	-5.97524	1.861169	1.670392	1.744977	1.74141	1.768674	1.714252	1.160105	1.760835	1.674905	0.669294	0.799097	0.594297	0.5125	0.671977	0.404558	0.738851	0.759002	0.315289
FAM72B	ENSG00000188610	-1.95195	1.042363	-5.51145	3.45E-05	0.000117	2.462662	2.218961	1.978677	2.018628	1.840866	1.373859	1.475193	1.917967	2.255906	2.408535	2.263275	1.989662	2.286428	0.407676	0.7293	0.470356	2.135245	1.613793	1.910335
ASAH2	ENSG00000188611	-0.64071	2.057465	-4.66797	0.000206	0.000559	0.597858	3.19722	3.222448	3.309643	2.457149	2.549605	2.784269	3.178682	3.3682	3.406029	1.814181	2.011405	2.136592	1.689764	1.591687	1.610309	1.734264	1.613793	1.877799
SUMO2	ENSG00000188612	0.020573	7.396825	0.432598	0.670597	0.720202	-7.79465	6.987968	6.929549	6.879321	6.895788	6.853435	6.853225	7.081285	7.257356	7.23377	7.713034	7.774208	7.771834	7.815491	7.841109	7.85275	7.858275	7.825067	7.884897
NANOS1	ENSG00000188613	0.874367	1.796968	3.589251	0.002179	0.00454	-1.78615	2.27083	2.152784	2.300736	1.791994	2.193078	2.164723	1.966276	1.945386	2.127218	1.787595	1.644832	1.951531	3.108457	2.824271	3.177059	2.211015	2.124453	1.665483
RTL6	ENSG00000188636	0.327911	6.137429	6.963214	1.96E-06	9.80E-06	4.532915	6.877296	6.864275	6.948417	7.193806	7.200661	7.158617	7.213499	7.104543	7.052696	5.131086	4.978771	5.093319	5.406522	5.443133	5.461619	5.400428	5.246049	5.161062
DPYD	ENSG00000188641	-0.09922	4.349765	-0.96264	0.348856	0.4131	-6.94952	4.590018	4.511888	4.453135	3.999198	3.945887	4.027574	4.606901	4.59693	4.570996	4.386642	4.463628	4.201752	4.512278	4.585115	4.464508	4.446571	4.572242	4.661156
S100A16	ENSG00000188643	-0.52487	6.958938	-6.27287	7.41E-06	3.07E-05	3.008269	6.282699	6.124021	6.10638	5.156973	5.309293	5.114677	6.424199	6.415505	6.470386	7.959211	7.960388	7.973964	7.688752	7.65995	7.675793	8.444442	8.419467	8.364854
PTAR1	ENSG00000188647	-0.33501	6.067298	-5.86722	1.67E-05	6.18E-05	2.284684	6.412482	6.367232	6.280513	5.915919	5.949389	5.951983	6.304819	6.316432	6.251865	6.149776	6.224465	6.06002	5.917927	5.873258	5.843193	5.792948	5.93893	6.06165
SAXO2	ENSG00000188659	1.118957	-0.19215	2.47417	0.023868	0.038426	-3.80605	0.742531	1.002471	0.756332	0.841981	0.106501	0.461789	0.269385	0.622068	0.629397	1.028404	1.07167	0.993481	2.162115	2.307842	2.647333	1.286141	1.329561	1.546329
PARVB	ENSG00000188677	-0.15903	1.66289	-0.52269	0.607754	0.664026	-6.28848	4.925527	4.965333	4.933939	4.591236	4.662026	4.668345	4.96291	4.843429	4.945952	0.190076	0.330605	0.34382	0.610222	0.671977	0.651457	0.576451	0.871168	0.659518
TEKT4P2	ENSG00000188681	0.441238	5.194101	8.403922	1.51E-07	1.10E-06	7.21609	4.905158	4.984658	4.950366	5.112883	5.292232	5.227023	4.857993	4.630987	4.72003	5.339908	5.340512	5.348069	5.925066	5.821478	5.875427	5.386197	5.299655	5.220652
UROS	ENSG00000188690	0.272504	5.289211	3.891244	0.001122	0.002502	-1.78672	6.177924	6.338981	6.190033	6.325226	6.338179	6.442243	6.269158	6.194191	6.224904	4.048869	4.223947	4.182763	4.720818	4.501207	4.613913	4.469892	4.414575	4.370952
ZDHHC9	ENSG00000188706	-0.10053	6.718612	-1.42001	0.173196	0.222926	-6.81658	7.015784	6.972771	7.014355	6.652287	6.571739	6.712811	6.600985	6.626038	6.671815	6.678075	6.639255	6.606893	6.806028	6.749986	6.725662	6.755339	6.69524	6.694778
ZBED6CL	ENSG00000188707	-0.01278	-0.53137	-0.14492	0.886435	0.907069	-7.00867	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.512789	3.356645	3.549937	3.36795	3.528394	3.412858	3.103995	3.267249	3.035906
SMIM15	ENSG00000188725	-0.1475	6.806646	-4.46808	0.000318	0.000822	-0.80413	6.999543	7.050021	6.98376	6.887089	6.787998	6.794527	6.895745	6.963315	6.920314	6.752131	6.701606	6.799327	6.629363	6.640317	6.663728	6.75771	6.746696	6.786366

FAM221A	ENSG00000188732	-0.14014	0.405708	-0.93515	0.362454	0.427354	-6.28895	1.010037	0.736739	0.421314	0.635873	0.828511	0.657796	0.415731	0.509405	0.39151	2.204194	2.249583	2.460504	2.178139	2.21055	2.121111	2.034568	2.190809	2.252429
TMEM120I	ENSG00000188735	1.504601	5.291188	10.15801	9.38E-09	1.12E-07	10.15163	5.086148	5.063109	5.130553	6.565896	6.594535	6.554168	6.227647	6.109759	6.229433	4.256985	4.305413	4.15185	5.702186	5.605024	5.625819	4.32395	4.283876	4.242679
FSIP2	ENSG00000188738	0.34792	-0.85508	1.264242	0.222743	0.278278	-5.77505	0.106501	0.106501	0.219246	0.106501	0.25478	0.2349	0.106501	0.387194	0.39151	1.76051	2.174476	1.696985	1.755315	2.10622	2.200805	2.013561	1.795362	2.119598
RBM34	ENSG00000188739	0.322515	-0.00201	1.345737	0.195586	0.248066	-5.48077	1.18244	1.327092	0.756332	1.326771	1.087782	1.367251	1.240874	1.15884	1.01237	0.934589	0.640699	1.061592	1.018891	1.120667	0.862212	1.177011	0.637375	0.872651
NOXA1	ENSG00000188747	0.577631	1.621846	2.136096	0.047092	0.070403	-4.62636	2.27083	2.152784	2.621113	1.791994	1.909591	1.840725	1.867984	1.945386	2.274723	1.490718	1.672391	1.60868	2.566893	2.671787	2.821313	1.926335	1.956613	1.626848
TMEM198	ENSG00000188760	1.099931	1.881094	6.535988	4.43E-06	1.96E-05	4.357588	1.861169	1.915637	2.138168	2.97776	3.426184	2.904994	2.058296	2.324112	1.727075	1.98771	1.644832	2.055402	2.602951	2.714997	2.433049	2.034568	2.233409	1.626848
FZD9	ENSG00000188763	-0.60264	2.011198	-3.1081	0.006233	0.011598	-2.68839	3.071243	2.950996	3.371944	3.041869	2.762786	2.581827	3.507292	3.063581	3.254305	1.646779	1.616737	2.088428	1.308151	1.16289	1.209118	2.317694	2.233409	2.033602
SPRED3	ENSG00000188766	0.272581	1.341918	1.419718	0.17328	0.222968	-5.61913	1.681202	1.978677	1.888281	2.21912	1.864131	1.880533	2.058296	1.710758	2.376228	1.278001	1.529011	1.585733	2.027088	1.428204	1.610309	1.992244	2.254246	1.910335
ZNF548	ENSG00000188785	0.046598	3.712364	0.71163	0.486085	0.549338	-7.13819	3.443098	3.07157	3.090013	3.020814	2.948483	2.998412	2.908934	3.141256	3.162566	4.537862	4.602618	4.466439	4.592186	4.70069	4.684921	4.574001	4.600995	4.531205
MTF1	ENSG00000188786	-0.21382	5.797225	-4.11716	0.000683	0.001615	-1.48252	5.650902	5.759098	5.705507	5.277258	5.355198	5.425089	5.396627	5.447033	5.424038	6.267483	6.255545	6.113142	6.140739	5.992195	6.133284	6.197476	6.12012	6.18146
TMEM201	ENSG00000188807	-0.75431	5.245858	-9.36397	3.15E-08	3.01E-07	8.865986	5.334855	5.211553	5.287484	4.821743	4.992907	4.829562	5.465469	5.241941	5.367637	5.716254	5.671068	5.814439	4.883573	4.722029	4.745971	5.70396	5.684473	5.65194
NHLRC3	ENSG00000188811	0.327956	4.289064	3.471641	0.002821	0.005699	-2.58737	4.10996	3.991467	4.117166	4.591236	4.515354	4.72411	4.702691	4.45204	4.626988	4.271447	4.378346	4.257266	4.35554	4.455227	4.500385	4.226905	4.111883	4.170642
ZDHHC11	ENSG00000188818	-0.07935	1.621786	-0.20929	0.836644	0.864536	-6.51952	4.006674	4.043996	3.971859	3.661095	3.441741	3.548316	3.523527	3.506713	3.60036	0.88529	0.259702	0.807652	1.420179	1.393161	1.247156	1.058946	0.637375	0.872651
LINC00910	ENSG00000188825	0.193919	1.288247	0.820107	0.423199	0.488304	-6.29258	2.369288	2.258179	2.221741	1.634586	1.864131	1.840725	1.867984	1.945386	1.727075	1.116489	1.725977	1.49011	2.079215	2.148862	2.014873	1.45147	1.547811	1.370407
SLX4	ENSG00000188827	-0.27462	3.973416	-3.57656	0.002241	0.004646	-2.27663	3.999005	4.136747	3.889066	3.727576	3.867423	4.045196	4.428731	4.221128	4.216877	4.261822	4.242453	4.075663	3.90909	3.759216	3.824901	4.258497	4.242761	4.087723
RPL14	ENSG00000188846	-0.26463	8.933712	-6.68894	3.30E-06	1.53E-05	3.724405	9.450855	9.434225	9.448014	9.097145	9.092799	9.030053	9.302303	9.272287	9.321098	8.750131	8.652169	8.711937	8.51916	8.552714	8.566644	8.520634	8.554223	8.587098
RPSAP47	ENSG00000188856	0.008187	-0.89347	0.019679	0.984522	0.987337	-6.19244	2.483604	2.403106	2.274882	2.359902	2.299368	2.258349	2.607661	2.184314	2.501332	0.269074	0.185134	0.106501	0.294634	0.26996	0.106501	0.106501	0.19538	0.106501
ZNF563	ENSG00000188868	0.11333	-1.72997	0.920187	0.370002	0.434813	-6.01626	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.555182	1.335727	1.277453	1.336984	1.428204	1.423614	1.681967	1.645686	1.626848
FBF1	ENSG00000188878	-0.03598	1.226611	-0.25981	0.79805	0.831864	-6.62943	2.021155	1.591918	1.78216	2.063099	1.953662	1.956998	1.240874	1.549165	1.564539	1.865926	1.875739	1.986992	1.858352	1.710321	1.639204	1.65509	1.645686	1.739782
KLRG2	ENSG00000188883	-0.40472	-1.14576	-1.32834	0.201152	0.254216	-5.61542	0.216396	0.106501	0.219246	0.258133	0.25478	0.2349	0.106501	0.106501	0.256032	1.616888	1.616737	1.839597	1.27873	0.986036	1.355599	2.229352	1.478665	1.703111
MSL1	ENSG00000188895	-0.00877	6.625872	-0.10237	0.91963	0.934324	-7.80765	6.625435	6.608064	6.595831	6.800173	6.86502	6.812646	6.510216	6.487911	6.453066	6.600965	6.675457	6.675742	6.474163	6.474201	6.435675	6.832335	6.806995	6.803789
AC099489.	ENSG00000188897	-0.26167	0.298469	-1.18699	0.251113	0.309797	-5.89808	0.503316	0.8079	1.028027	0.52061	0.512209	0.657796	1.160105	0.824004	0.515351	2.01088	2.135404	2.07201	1.973006	1.681564	2.161508	1.599785	1.737342	1.273688
LRRK2	ENSG00000188906	0.34633	-0.57648	0.716134	0.483368	0.546788	-5.90963	2.345296	2.232543	1.987129	2.714828	2.520598	2.132113	1.317361	1.430416	1.171446	0.190076	0.185134	0.230035	0.407676	0.190544	0.186984	0.517985	0.2791	0.497646
GJB3	ENSG00000188910	-0.90192	1.192179	-4.64541	0.000216	0.000584	0.18379	1.010037	1.118985	0.829201	0.258133	0.25478	0.3528	0.106501	0.622068	0.256032	4.212707	4.10258	4.278887	3.520276	3.348006	3.445943	4.758922	4.706825	4.627304
TRMT2B	ENSG00000188917	0.182766	6.301688	1.401794	0.178486	0.228942	-6.65824	7.404788	7.437793	7.403949	7.754651	7.666446	7.696355	8.336695	8.204442	8.27862	4.977839	4.796672	4.92983	4.82626	4.804359	4.987015	4.743057	4.815969	4.902646
HACD4	ENSG00000188921	0.686405	0.681855	6.525652	4.52E-06	2.00E-05	3.99324	0.106501	0.106501	0.106501	0.395333	0.25478	0.2349	0.106501	0.253663	0.256032	4.455814	4.529155	4.491347	5.092452	5.087991	5.044848	4.609434	4.482376	4.637057
FAM120AC	ENSG00000188938	0.414301	5.976443	11.26032	1.94E-09	3.15E-08	11.64489	5.754732	5.81846	5.796906	6.238973	6.267918	6.282413	5.964794	6.045554	6.079477	5.766469	5.724702	5.81197	6.095052	6.164448	6.114114	6.02189	6.018732	6.036078
NOC2L	ENSG00000188976	-0.3144	7.976447	-8.49929	1.28E-07	9.67E-07	7.12031	7.593561	7.530123	7.569951	7.117763	7.24567	7.140287	7.400917	7.274695	7.283613	8.757214	8.685941	8.758851	8.529931	8.448291	8.47119	8.651116	8.645531	8.588355
NELFB	ENSG00000188986	0.089166	6.404817	1.555142	0.137833	0.182806	-6.61075	6.057576	6.03228	6.063606	6.01507	6.261358	6.125602	6.042896	5.71813	5.970082	6.730485	6.728932	6.780503	6.886859	6.83078	6.805904	6.951718	6.840969	6.770946
SLC15A5	ENSG00000188991	1.481904	-0.40546	4.392512	0.000374	0.00095	0.264892	2.109269	2.232543	2.221741	3.688057	3.574682	3.678224	2.545421	1.945386	2.530983	0.190076	0.330605	0.16959	0.171976	0.345231	0.263213	0.183756	0.19538	0.106501
ZNF292	ENSG00000188994	0.127445	4.256177	1.806286	0.088124	0.123234	-5.85717	3.919992	3.7953	3.897563	4.209199	4.213935	4.154771	4.023335	4.357565	4.313883	4.489195	4.672521	4.392334	4.47385	4.596713	4.508238	4.619897	4.641102	4.726565
KCTD21	ENSG00000188997	0.448245	4.035029	5.807833	1.88E-05	6.83E-05	2.441336	3.373632	3.114308	3.270929	4.122913	3.722109	3.838399	3.788265	3.521314	3.733845	4.493314	4.599033	4.45065	4.818614	4.830791	4.888167	4.755763	4.525868	4.504815
ADAT2	ENSG00000189007	-0.26138	3.046804	-3.0504	0.007061	0.01296	-3.24709	3.041689	3.260998	3.322321	2.933382	2.948483	3.119801	2.908934	2.753138	2.697131	3.695491	3.722323	3.526028	3.251622	3.503965	3.437743	3.083983	3.494411	3.267027
ZNF567	ENSG00000189042	0.301957	3.315288	3.960065	0.000965	0.002194	-1.3514	2.780548	2.802095	2.776595	2.97776	2.991399	2.825643	3.352323	3.26787	3.236418	3.709722	3.817963	3.526028	4.028794	3.903166	4.056758	4.010719	4.071361	4.274271
NDUFA4	ENSG00000189043	0.033593	6.877868	0.680599	0.505042	0.567118	-7.56776	7.44132	7.457291	7.386701	7.614118	7.493439	7.529541	7.553978	7.595047	7.573583	6.36848	6.337447	6.328875	6.272513	6.26358	6.315508	6.174002	6.145437	6.201318
ALKBH2	ENSG00000189046	-0.03299	4.530225	-0.42879	0.673317	0.722523	-7.41086	4.333741	4.354415	4.288462	4.667726	4.493129	4.473866	4.057185	4.341199	4.22597	4.789709	4.922503	4.945687	4.701546	4.693507	4.782046	4.994249	4.815969	4.819433
RNFT1	ENSG00000189050	0.371159	3.770006	3.89237	0.001119	0.002497	-1.6244	2.933205	3.142112	3.176339	3.887325	3.394558	3.776446	3.490873	3.773871	3.468658	4.318634	4.287703	4.257266	4.515435	4.54975	4.476566	4.208537	4.162364	4.058989
RNF222	ENSG00000189051	1.687482	-1.07281	7.186923	1.29E-06	6.84E-06	5.597937	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.814181	1.672391	1.969371	3.581798	3.282491	3.421201	1.85727	1.513652	1.877799
CGB5	ENSG00000189052	-0.00779	-1.38201	-0.04184	0.967104	0.972704	-6.62783	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.121457	1.989662	2.510098	2.357702	1.970168	2.07955	1.759719	1.368306	1.504318
FAM111B	ENSG00000189057	-2.48685	4.37782	-8.95583	6.05E-08	5.20E-07	8.39086	4.590018	4.383825	4.662041	3.674639	3.656958	3.765857	4.13321	4.349405	4.339245	5.871466	5.696457	5.805777	2.717023	2.888589	2.743612	5.643712	5.737233	5.811178
APOD	ENSG00000189058	0.710583	1.170943	7.613244	5.96E-07	3.52E-06	6.18171	0.587539	0.661886	0.679585	0.742604	0.730585	0.657796	0.415731	0.509405	0.256032	3.367773	3.431133	3.232997	4.015478	4.039723	4.046009	3.341669	3.562824	3.55117
H1-0	ENSG00000189060	-0.46239	6.453662	-11.9289	7.92E-10	1.58E-08	12.50056	5.100552	5.026283	4.946277	4.626508	4.537243	4.814227	5.141824	5.112925	5.146036	8.154238	8.107076	8.22013	7.615258	7.710644	7.690535	8.262207	8.209452	8.243614
GAGE2A	ENSG00000189064	-0.14374	-1.31289	-1.10459	0.28431	0.345367	-6.0171	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	2.095243	2.435052	1.99126	1.993753	1.947161	2.034568	1.981819	2.033602
LITAF	ENSG00000189067	0.146883	8.413622	3.308698	0.004029	0.00784	-3.4516	8.939238	9.009006	8.948697	9.215664	9.156056	9.17466	9.074036	9.009701	9.039066	7.821438	7.769032	7.87007	7.855274	7.908967	7.910187	7.645618	7.599388	7.58642
TMEM120A	ENSG00000189077	0.808419	4.177996	5.358522	4.75E-05	0.000154	1.575797	4.405107	4.406929	4.363979	4.949796	4.770725	4.702062	4.845133	4.722281	4.795267	3.385609	3.339557	3.652879	4.670733	4.592857	4.476566	3.711377	3.485627	3.498643
ARID2	ENSG00000189079	-0.1506	5.469648	-2.51925	0.02175	0.035344	-4.7642	6.027737	5.896035	6.031155	5.884211	5.893919	6.049065	6.017329	5.954347	5.967373	5.1779	5.310132	5.119519	4.945733	4.840579	5.023089	4.986185	4.897703	5.06679
SF3B3	ENSG00000189091	-0.51086	8.112204	-7.95352	3.26E-07	2.11E-06	6.149095	8.294923	8.274363	8.238113	7.829209	7.780953	7.821145	7.503718	7.539647	7.564651	8.712865	8.623997	8.64414	8.155075	8.060091	8.12204	8.302546	8.325064	8.326944
BLOC1S3	ENSG00000189114	0.296818	3.674384	1.784373	0.091732	0.127842	-5.70897	3.672523	3.686213	3.792147	4.555081	4.641964	4.651187	3.705302	3.798055	3.708117	3.851231	3.640966	3.613714	3.494914	3.410675	3.429496	3.617041	3.554448	3.410407
CLDN4	ENSG00000189143	-0.36298	4.250386	-2.39677	0.027964	0.044167	-5.22724	2.218961	2.009193	2.446827	0.258133	0.25478	0.461789	0.269385	0.387194	0.256032	9.533021	9.458394	9.531068	9.291308	9.221795	9.202224	9.337148	9.309012	9.23985
ZNF573	ENSG00000189144	0.86576	1.501165	5.364879	4.69E-05	0.000153	2.056516	1.642349	1.277811	1.028027	1.791994	1.864131	1.714252	2.01302	2.108984	1.873138	1.865926	2.155072	1.585733	2.479079	2.756951	2.399663	2.384669	2.212266	2.419973
FAM47E	ENSG00000189157	0.701783	-0.67324	2.06474	0.054111	0.079824	-4.55674	0.41387	0.410755	0.106501	0.742604	0.625525	0.746642	0.106501	0.509405	0.106501	1.490718	1.699433	1.305813	1.548989	1.846087	1.826726	1.387593	1.206659	1.222783
JPT1	ENSG00000189159	-0.34888	8.018067	-5.11652	7.90E-05	0.000241	0.499189	7.944396	7.871675	7.862438	7.587516	7.63465	7.596807	7.482075	7.504254	7.4432	8.551875	8.473998	8.535881	8.116618	8.112875	8.158674	8.503785	8.512941	8.538815
ZNF527	ENSG00000189164	0.68723	2.087999	4.843177	0.000141	0.000401	0.884655	1.384302	2.152784	1.818408	2.103714	2.549605	2.288255	2.724622	2.596487	2.643847	2.263275	2.303453	2.243088	2.802201	2.811056	2.782986	2.77004	2.649824	2.610232
S100A13	ENSG00000189171	-0.02215	4.141788	-0.3409	0.737243	0.780014	-7.3432	3.836399	3.82133	3.906009	3.863871	3.772191	3.75519	4.358069	4.175703	4.112876	4.408616	4.443776	4.506699	4.47385	4.403337	4.464508	4.616418	4.718118	4.428245
ZNF33A	ENSG00000189180	0.575359	4.386698	8.405019	1.50E-07	1.10E-06	7.40547	4.574623	4.564207	4.621585	4.99368	4.888929	5.106307	4.629578	4.790167	4.66091	3.744695	3.860515	3.92383	4.407437	4.54975	4.621173	4.062774	4.035699	4.229846
PCDH18	ENSG00000189184	1.758109	-0.05436	6.910323	2.17E-06	1.07E-05	5.119959	0.216396	0.215206	0.106501	1.022291	0.730585	0.746642	0.548589	0.387194	0.515351	1.891119	1.899254	1.562415	2.727949	2.938056	2.846311	1.926335	1.478665	1.665483
ZNF600	ENSG00000189190	0.295243	3.054091	3.677279	0.001796	0.003824	-1.97111	2.568952	2.655462	2.661582	2.48816	2.520598	2.402038	2.637802	2.623806	2.588518	3.716784	3.735447	3.674791	4.072312	4.10073	4.179864	3.793775	3.967936	3.984547
DPY19L2P1	ENSG00000189212	0.178319	-1.67145	0.64977	0.52429	0.585867	-5.94678	1.894617	1.591918	1.853768	1.791994	1.817192	1.799787	2.26554	2.511284	2.087859	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
MAOA	ENSG00000189221	0.529522	5.144914	9.88156	1.42E-08	1.59E-07	9.687349	5.160214	4.913842	4.950366	5.640298	5.644527	5.510028	5.141824	5.259465	4.994649	4.977839	4.967692	5.013889	5.489122	5.434541	5.403856	4.936827	4.910886	5.019105
PAX8-AS1	ENSG00000189223	0.34487	0.731083	0.906007	0.377253	0.441912	-5.90207	3.747663	3.768792	3.443319	3.999198	3.722109	4.138446	4.011872	3.935218	3.628063	0.269074	0.462741	0.34382	0.352262	0.345231	0.707101	0.457048	0.106501	0.315289
C15orf61	ENSG00000189227	0.359974	2.780091	3.238053	0.0047	0.008997	-2.74299	2.548084	2.403106	2.848472	2.933382	3.225109	2.961768	3.027514	3.083395	2.846105	2.894025	2.841532	3.269454	3.173846	3.348006	3.234995	3.022222	3.149837	2.928814
TSPYL1	ENSG00000189241	0.239931	6.526861	5.941091	1.44E-05	5.44E-05	2.371181	6.462131	6.437637	6.447493	6.821637	6.822574	6.642197	6.389189	6.409631	6.405835	6.576908	6.505835	6.509664	6.702506	6.737816	6.678593	6.49423	6.399208	6.331655
PNRC2	ENSG00000189266	0.168538	6.416468	4.113446	0.000689	0.001627	-1.56522	6.088617	6.063513	6.048426	6.37999	6.223609	6.311829	6.008705	6.116987	5.972785	6.678075	6.772559	6.692621	6.806028	6.879862	6.805107	6.612462	6.60078	6.754239
GJB5	ENSG00000189280	0.240892	-0.53686	1.412987	0.175221	0.225281	-5.90837	0.106501	0.106501	0.106501	0.106501	0.25478	0.2349	0.106501	0.106501	0.106501	2.804042	2.590228	2.957162	2.977243	2.581279	3.085545	3.447271	3.394711	3.444131
FHIT	ENSG00000189283	-0.57101	1.603892	-4.39348	0.000373	0.000948	0.00179	2.438959	2.152784	2.138168	1.634586	1.498102	1.422231	1.867984	2.029503	2.047395	2.409929	2.115463	2.183199	2.079215	2.016959	1.876113	2.247458	2.233409	2.252429
ZKSCAN3	ENSG00000189298	0.677641	2.182981	4.748334	0.000173	0.000481	0.684086	2.483604	2.152784	2.446827	2.81607	2.737798	2.605775	2.724622	2.676938	2.981126	1.865926	2.285719	2.038602	2.802201	2.743101	2.689384	2.034568	2.295039	2.397196
FOXR2	ENSG00000189299	0.685356	-0.41723	9.04656	5.22E-08	4.60E-07	8.685193	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.206534	3.373534	3.149392	3.965575	3.766081	3.898452	3.637781	3.520448	3.487904
RRP7A	ENSG00000189306	-0.07281	6.50334	-1.34924	0.194481	0.246858	-6.88523	6.532876	6.42071	6.454708	6.468179	6.628918	6.58612	6.599072	6.448347	6.57728	6.603825	6.536152	6.681841	6.422132	6.445625	6.332194	6.569027	6.557426	6.490722
LIN54	ENSG00000189308	-0.25866	3.973619	-1.19636	0.247534	0.305672	-6.57368	3.593253	3.732673	3.576275	4.400654	4.231942	4.315882	4.487843	4.664259	4.534865	4.341661	4.353024	4.398932	3.442811	3.544454	3.317756	4.156784	4.07722	4.087723
FAM53B	ENSG00000189319	0.807003	4.104254	6.10717	1.03E-05	4.07E-05	3.168348	4.226185	4.360345	4.418131	4.654117	4.795153	4.819357	4.857993	4.905964	4.849226	3.123934	3.322263	3.225594	4.404034	4.164465	4.41524	3.678389	3.72088	3.601852
S100A14	ENSG00000189334	0.293797	1.744672	3.242833	0.004652	0.008914	-3.21829	0.41387	0.316291	0.323815	0.106501	0.106501	0.2349	0.415731	0.387194	0.256032	5.824834	5.906851	5.84254	6.18304	6.221748	6.207511	6.164504	6.132834	6.142619
KAZN	ENSG00000189337	0.249239	0.615352	0.881307	0.39011	0.455214	-5.90706	3.633432	3.59862	3.576275	3.619685	3.709312	3.828257	3.523527	3.3682	3.856018	0.415169	0.259702	0.16959	0.46104	0.345231	0.593579	0.326864	0.358227	0.214669
SLC35E2B	ENSG00000189339	0.987536	4.72514	8.543435	1.19E-07	9.09E-07	7.626847	4.772011	4.574447	4.908943	5.830775	5.735694	5.727543	5.740105	5.663233	5.703339	3.77884	3.947677	3.779618	4.653644	4.711399	4.656936	3.98397	4.047684	3.976887
RPS2P46	ENSG00000189343	-0.47995	3.478968	-7.23654	1.18E-06	6.32E-06	5.45704	3.86199	3.888531	3.889066	3.54791	3.394558	3.377995	3.814892	3.685883	3.808383	3.831846	3.735447	3.652879	3.24403	3.263212	3.387537	3.39137	3.537548	3.641153
NEMP2	ENSG00000189362	-0.14302	3.093218	-1.62168	0.122771	0.165402	-5.72204	3.747663	3.61855	3.845818	3.605613	3.426184	3.472196	3.988671	4.157125	3.968647	2.620402	2.753956	2.693003	2.727949	2.642244	2.661487	2.890155	3.171908	2.880366
ALG1L	ENSG00000189366	0.502388	0.454537	3.208519	0.005012	0.009519	-2.80266	0.667115	0.215206	0.421314	0.258133	0.512209	0.657796	0.269385	0.253663	0.106501	3.216534	2.877496	3.068941	3.680716	3.436722	3.412858	3.073871	3.093137	3.065099
GSPT2	ENSG00000189369	0.516396	-0.22673	1.607482	0.125863	0.168975	-5.0534	3.85351	3.759847	3.88052	4.400654	4.470555	4.473866	4.057185	4.090149	4.17992	0.190076	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
C8orf76	ENSG00000189376	0.113584	2.339923	1.037623	0.313589	0.376407	-6.41204	2.369288	2.470453	2.274882	2.291228	2.117603	2.064596	2.058296	2.676938	2.501332	2.763691	2.753956	2.745712	2.995443	2.863205	3.147195	2.990321	3.034117	2.975687
CXCL17	ENSG00000189377	1.009033	-1.11592	5.403895	4.32E-05	0.000142	2.110963	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.263275	2.485369	2.183199	3.205461	3.203781	3.225499	1.708352	1.878239	1.370407
HMGB1	ENSG00000189403	-0.29908	7.917558	-4.08347	0.000736	0.001724	-1.73878	7.784086	7.771761	7.710996	7.741037	7.739071	7.788822	8.082404	8.170109	8.092294	8.112339	8.101385	8.060771	7.513555	7.558823	7.527197	8.268039	8.272412	8.333707
RASSF10	ENSG00000189431	0.191194	-0.19247	0.713206	0.485133	0.54848	-6.47516	0.216396	0.106501	0.106501	0.395333	0.25478	0.461789	0.269385	0.509405	0.39151	2.589954	2.817048	2.786535	2.649667	2.48471	2.633039	2.192442	2.054898	2.302316
BLOC1S2	ENSG00000196072	-0.23292	5.721615	-2.61903	0.017677	0.029317	-4.56079	6.894964	6.937505	6.831347	6.474	6.369019	6.356623	6.711398	6.74433	6.71605	4.721121	4.748933	4.692697	4.851459	4.856747	4.863891	4.991566	4.90101	4.942519
SYCP2	ENSG00000196074	-0.12151	2.974184	-1.4719	0.158825	0.206985	-6.32743	1.681202	1.591918	1.54317	2.063099	1.817192	2.064596	1.588238	1.491012	1.674905	4.816256	4.827642	4.783729	4.670733	4.623418	4.562043	4.936827	5.036489	5.150886
ZNF724	ENSG00000196081	-2.0141	0.401981	-8.765	8.26E-08	6.73E-07	8.230039	0.587539	1.002471	1.028027	0.635873	0.25478	0.657796	0.886508	1.15884	1.01237	2.650221	2.590228	2.522234	1.018891	1.032323	0.957066	2.417026	2.37332	2.119598
IL1RAP	ENSG00000196083	-0.16503	6.219012	-1.06451	0.301583	0.36359	-7.17835	6.211491	6.193765	6.191761	5.576799	5.543607	5.528939	6.636872	6.71922	6.735283	6.27468	6.330977	6.151739	6.426331	6.403323	6.49022	6.275652	6.369673	6.251386
SPOCK3	ENSG00000196104	1.835161	0.035145	6.75575	2.91E-06	1.37E-05	4.825376	0.667115	0.316291	0.421314	1.578054	1.953662	1.475193	0.269385	0.253663	0.106501	1.646779	1.335727	1.46518	2.694919	2.888589	2.449456	1.017342	1.478665	1.416439
ZNF676	ENSG00000196109	0.021309	-0.8696	0.232237	0.819051	0.850025	-6.81668	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.708071	2.877496	2.893183	2.760241	2.850343	2.821313	2.597261	2.585506	2.724423
ZNF699	ENSG00000196110	-0.30749	1.929431	-2.39704	0.027949	0.044153	-4.41971	1.519087	1.420874	1.62731	1.326771	1.498102	1.475193	0.782422	1.760835	1.674905	3.303547	3.390227	3.312021	3.100071	3.009215	2.965187	3.358427	3.511821	3.540816
TDRD7	ENSG00000196116	-0.12046	4.873075	-1.84042	0.08275	0.116533	-5.96006	4.888652	4.791891	4.758481	4.714371	4.515354	4.67402	4.283766	4.474723	4.132351	5.286319	5.403536	5.313568	5.252352	5.236244	5.283183	5.132197	5.289597	5.217405
CCDC189	ENSG00000196118	1.053417	1.849749	6.183337	8.85E-06	3.57E-05	3.642784	1.719036	1.226787	1.706811	2.864145	3.112982	2.605775	1.459147	1.809233	1.918715	2.356666	2.285719	2.088428	2.749557	2.770668	2.906973	2.283004	2.190809	2.302316
KIAA0895L	ENSG00000196123	0.277047	4.112609	2.430668	0.026096	0.041589	-4.71925	3.682132	3.647938	3.801232	4.626508	4.167908	4.512384	4.154215	3.988732	4.05282	4.323269	4.45175	4.324649	4.376523	4.190213	4.464508	4.208537	4.178806	4.411295
HLA-DRB1	ENSG00000196126	0.873104	1.428904	4.234734	0.000528	0.001289	-0.52859	1.12723	0.875715	0.898566	1.182548	0.92021	1.123626	1.70672	0.915275	1.0941	2.918737	2.877496	3.093551	3.783794	3.890658	3.910354	1.948641	2.315011	2.06284
AKR1C3	ENSG00000196139	0.432505	-0.30636	1.325165	0.20218	0.255288	-5.37663	2.668993	2.748839	2.641489	3.041869	3.073582	3.03415	2.933443	3.083395	3.323715	0.269074	0.106501	0.230035	0.294634	0.190544	0.186984	0.326864	0.19538	0.106501
SPATS2L	ENSG00000196141	0.047655	7.923087	1.448394	0.16521	0.213916	-6.91024	6.955649	6.937505	6.896378	6.853246	6.910452	6.86939	6.749855	6.677461	6.805205	9.039256	8.988949	9.037788	9.095346	9.141586	9.163122	8.860633	8.887724	8.888258
ZNF250	ENSG00000196150	0.091042	3.418803	1.376449	0.186062	0.237611	-6.39708	2.90065	2.55562	2.916938	2.740812	2.948483	2.94309	2.806512	2.981485	2.670735	4.395472	4.305413	4.389024	4.524863	4.407733	4.381435	4.147172	4.088867	4.170642
WDSUB1	ENSG00000196151	0.473011	3.210976	5.953325	1.40E-05	5.33E-05	3.037613	3.801557	3.777682	3.648527	4.325376	4.318753	4.053927	3.916741	3.761625	3.957772	2.693825	2.701418	2.735323	3.108457	3.077028	2.99902	2.568742	2.634012	2.742606
ZNF79	ENSG00000196152	-0.17202	3.665895	-1.69087	0.108616	0.148267	-5.8342	4.315334	4.256058	4.124423	3.933121	4.009905	3.608819	4.101117	3.924273	4.141991	3.695491	3.356645	3.608031	3.652319	3.536446	3.578659	3.383205	3.317614	3.530388
S100A4	ENSG00000196154	-0.37775	6.648703	-4.65497	0.000212	0.000574	-0.28885	8.478111	8.486467	8.399356	7.946198	8.009531	7.757095	7.85914	7.95842	7.931365	5.417818	5.242793	5.401609	5.244764	5.265605	5.283183	5.246891	5.198461	4.96205
PLEKHG4	ENSG00000196155	-0.49934	5.062077	-8.85975	7.07E-08	5.93E-07	8.012139	5.023273	4.917869	4.870617	4.517996	4.343809	4.434292	4.528631	4.316298	4.436456	5.847534	5.853677	5.821823	5.423425	5.303845	5.384788	5.589736	5.718611	5.635005
FAT4	ENSG00000196159	0.862735	4.187017	2.289049	0.034769	0.053717	-5.03809	4.399293	4.389636	4.711067	3.688057	3.278066	3.620621	4.225415	4.282412	4.207726	3.87036	4.223947	3.743789	5.755221	5.77289	5.840085	3.70484	3.603991	3.660409
ZNF681	ENSG00000196172	-0.2404	-0.32321	-2.02634	0.058269	0.085322	-5.13907	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	3.651939	3.754913	3.712353	3.526548	3.243672	3.412858	3.508614	3.636099	3.641153
ACADSB	ENSG00000196177	0.398295	4.274457	4.076271	0.000747	0.001748	-1.12054	5.253402	5.424646	5.261389	5.794018	5.707014	5.791585	5.601686	5.79224	5.515873	3.17611	3.055486	3.269454	3.409264	3.203781	3.517722	3.103995	2.985098	2.960231
STK40	ENSG00000196182	-0.55179	6.913073	-3.47908	0.002775	0.005621	-3.00268	7.052366	7.085359	7.146763	5.749917	5.760718	5.751893	6.491769	6.480459	6.472298	7.517597	7.412983	7.521664	7.557476	7.390791	7.486533	7.267812	7.268492	7.265725
TMEM63A	ENSG00000196187	0.020062	5.60515	0.382066	0.707018	0.754198	-7.63438	4.973272	4.992316	5.045184	5.213737	5.039662	5.143594	5.243334	5.201716	5.193163	6.219807	6.237208	6.157586	6.249001	6.13691	6.086842	6.106165	6.198814	6.036078
SEMA4A	ENSG00000196189	-0.04367	1.708968	-0.62294	0.541365	0.602066	-7.17341	0.882475	0.499412	0.421314	0.395333	0.389229	0.3528	0.548589	0.622068	0.515351	4.908591	4.854958	4.821051	4.821167	4.89169	4.836082	4.802439	4.857415	4.75819
HRCT1	ENSG00000196196	-0.72641	1.418884	-5.63645	2.67E-05	9.26E-05	2.647819	2.27083	2.332462	2.351095	1.888135	1.768674	1.714252	2.102195	1.710758	2.047395	1.91588	2.267764	1.986992	1.644349	1.393161	1.550722	1.85727	1.547811	1.877799
MPHOSPH9	ENSG00000196199	0.45344	5.161573	8.399933	1.52E-07	1.11E-06	7.236191	4.730936	4.756352	4.76778	5.171375	5.244245	5.431804	5.026946	5.263813	5.117003	5.215784	5.193714	5.131452	5.541158	5.603108	5.51521	5.336314	5.294635	5.317842
RNF216P1	ENSG00000196204	-0.56601	4.70664	-7.43954	8.15E-07	4.61E-06	5.587312	5.086148	5.130591	4.892035	4.562385	4.614773	4.622128	4.599263	4.583078	4.497806	5.004057	4.964909	5.158919	4.486773	4.446707	4.385705	4.894365	4.943327	4.869935
EEF1A1P5	ENSG00000196205	-0.31186	3.749161	-2.20201	0.041358	0.062692	-4.93889	4.527427	4.517206	4.790768	4.714371	4.400635	4.279122	4.7858	4.316298	4.633836	3.901688	3.470912	3.203153	3.057395	3.088026	2.906973	2.913023	3.171908	3.006111
GREB1	ENSG00000196208	-0.0787	1.275208	-0.34708	0.732675	0.776334	-6.47561	2.051128	2.49222	2.166567	2.325974	2.429905	2.675323	2.806512	2.184314	2.165532	1.388276	1.369793	1.305813	1.088368	1.077171	0.910419	1.354562	1.766644	1.626848
ZNF766	ENSG00000196214	0.214461	4.75046	3.358082	0.003617	0.007105	-3.02106	4.212988	4.223893	4.235828	4.072648	4.071202	4.053927	3.866715	3.967564	3.796224	5.41565	5.49705	5.448471	5.816647	5.786458	5.799062	5.392313	5.458474	5.513196
RYR1	ENSG00000196218	0.416337	1.291457	1.901554	0.073845	0.105345	-4.94107	1.010037	1.374745	1.256574	2.103714	2.229385	1.956998	1.648695	1.809233	1.777424	1.940223	1.55885	1.986992	1.711947	1.793303	1.722572	2.247458	2.190809	2.464474
SRGAP3	ENSG00000196220	1.564452	1.273731	11.14797	2.27E-09	3.57E-08	11.81819	0.882475	0.410755	0.756332	1.104644	1.164793	1.123626	0.415731	0.824004	0.735084	2.558849	2.779525	2.435052	4.167687	4.005327	3.904416	3.333216	3.277464	2.81313
FAM217B	ENSG00000196227	-0.039	5.462251	-0.3637	0.720446	0.765785	-7.56436	5.394524	5.250391	5.353819	5.67103	5.593209	5.788972	5.973684	5.874148	5.857568	5.454194	5.538823	5.540848	5.132064	5.16532	5.11852	5.340537	5.442675	5.442654
TUBB	ENSG00000196230	-0.24005	9.666885	-1.49237	0.153432	0.200821	-6.9214	9.807611	9.81581	9.794699	10.08594	10.13927	10.09418	9.720984	9.668432	9.641744	9.730663	9.667672	9.697011	8.974393	8.914641	8.955509	9.796634	9.763467	9.769435
LCOR	ENSG00000196233	-0.72346	5.328056	-7.52418	6.99E-07	4.03E-06	5.687274	5.87482	5.904176	5.901987	5.20443	5.119213	5.394483	6.020192	6.145542	5.9889	5.41565	5.518087	5.310072	4.676384	4.608219	4.635585	4.894365	4.968764	5.026544
SUPT5H	ENSG00000196235	-0.03279	7.694472	-0.71746	0.482571	0.54606	-7.6429	7.486579	7.345888	7.464533	7.292634	7.378913	7.291907	7.687852	7.588129	7.705396	7.933295	7.836058	7.90235	7.953095	7.908967	7.898657	7.983739	7.978126	7.99565
XPNPEP3	ENSG00000196236	-0.22266	4.674567	-3.48123	0.002762	0.005598	-2.65181	5.100552	4.969219	5.322611	4.863733	4.950037	4.903882	4.772276	4.802174	4.813478	4.5772	4.752166	4.883539	4.49639	4.54975	4.56581	4.311095	4.273707	4.286716
ZNF107	ENSG00000196247	-0.38909	3.154318	-3.59447	0.002154	0.004493	-2.24813	2.218961	2.125186	2.221741	2.766336	2.398361	2.317553	1.867984	2.357042	2.309357	4.565511	4.606195	4.48516	3.979357	4.067774	4.109334	4.691084	4.706825	4.749225
PPIA	ENSG00000196262	-0.11717	9.766871	-3.49369	0.002688	0.005464	-3.13659	10.39811	10.3789	10.33914	10.33933	10.34005	10.30303	10.39451	10.4066	10.37853	9.33955	9.285696	9.224736	9.050081	9.122155	9.095663	9.148445	9.132102	9.160712
ZNF471	ENSG00000196263	1.07259	2.850828	9.473451	2.66E-08	2.63E-07	9.351671	2.345296	2.37994	2.248556	2.766336	3.073582	3.03415	2.884002	2.801791	2.82232	2.894025	3.086546	2.671369	3.87509	3.964133	4.024267	3.508614	3.104657	3.540816
ZNF836	ENSG00000196267	1.126943	1.088704	7.876084	3.74E-07	2.37E-06	6.815831	0.742531	1.118985	0.679585	1.104644	1.2379	0.984419	1.240874	0.915275	1.314712	1.891119	1.967585	1.800268	2.749557	3.032175	2.942182	2.625227	2.568968	2.84714
ZNF493	ENSG00000196268	0.119617	-0.18477	0.850824	0.406373	0.471451	-6.73524	0.41387	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	3.60703	3.735447	3.519989	3.686328	3.67419	3.849837	3.113899	3.236163	3.387478
GTF2IRD2	ENSG00000196275	0.60047	1.625853	3.082777	0.006584	0.012187	-2.72413	2.369288	2.636038	2.37563	2.955742	3.34578	2.904994	2.480375	2.916694	2.697131	1.616888	1.588084	1.46518	1.711947	1.738515	2.014873	1.058946	0.924142	1.170016
SUPT3H	ENSG00000196284	-0.81083	2.483542	-5.35661	4.77E-05	0.000155	1.91822	3.520128	3.472886	3.522358	2.325974	2.398361	2.317553	2.832807	2.871824	2.588518	2.650221	2.714733	2.735323	2.439743	2.269709	2.433049	2.744769	2.618024	2.81313
NIF3L1	ENSG00000196290	-0.14904	5.071182	-2.20178	0.041376	0.062701	-5.32832	4.789897	4.852052	4.804386	4.938614	4.675247	4.662649	5.257962	5.289629	5.304656	5.288691	5.353339	5.349772	5.045184	5.152279	5.188613	5.394346	5.394214	5.33891
GARS1-DT	ENSG00000196295	0.275061	3.552476	3.103802	0.006291	0.011697	-3.15998	4.145127	3.983805	4.167214	4.209199	4.139571	4.372816	3.853933	3.856799	4.141991	3.331423	3.195032	3.043904	3.53901	3.568213	3.502077	2.855159	3.171908	3.189613
ATP2A1	ENSG00000196296	-1.11196	1.061373	-7.38487	9.00E-07	5.00E-06	5.969085	2.218961	2.576149	2.492412	1.326771	1.864131	1.575618	2.01302	2.029503	2.127218	1.732907	1.529011	1.820066	1.018891	1.16289	1.002253	1.354562	1.16325	1.273688
IARS1	ENSG00000196305	-0.75554	8.880512	-21.4951	5.16E-14	1.32E-11	22.34304	9.513421	9.551609	9.517876	8.877579	8.775501	8.867773	9.09727	9.135142	9.07976	9.036083	9.002244	9.005326	8.194012	8.16866	8.22659	8.643231	8.543153	8.673453
MFSD14C	ENSG00000196312	0.125554	2.301409	0.958738	0.350766	0.415085	-6.50747	2.416107	2.470453	2.018628	1.978268	2.03796	2.132113	2.303642	2.389238	2.376228	2.990428	3.044983	2.693003	3.048706	3.292034	3.167173	2.807136	2.755911	2.649309
POM121	ENSG00000196313	-0.56473	6.478012	-12.187	5.66E-10	1.20E-08	12.89339	7.162874	7.133768	7.240746	6.466234	6.561094	6.541808	7.093571	6.998961	6.957639	6.354963	6.255545	6.280572	5.84578	5.757473	5.898018	6.13927	6.149614	6.083215
ZBTB44	ENSG00000196323	-0.38778	4.764335	-7.04105	1.70E-06	8.62E-06	4.78306	4.635242	4.765319	4.686762	4.103016	4.167908	4.088331	4.164604	4.444399	4.198517	5.42646	5.456014	5.45006	5.19838	5.131167	5.168932	5.278052	5.193075	5.230349
STK31	ENSG00000196335	-0.40657	1.255687	-1.80603	0.088165	0.12328	-5.06088	2.609804	2.886707	2.558197	1.933905	2.078331	1.757653	2.01302	1.945386	1.873138	1.787595	1.498542	1.387696	1.473091	1.793303	1.876113	1.13872	1.289746	0.805046
NLGN3	ENSG00000196338	0.448591	1.042531	2.418404	0.026758	0.042487	-3.90894	2.369288	2.206444	2.138168	2.359902	2.333126	2.741673	2.058296	1.809233	2.127218	0.834246	1.190799	0.846782	1.186687	1.320413	1.355599	1.214313	1.072305	1.322858
ZKSCAN7	ENSG00000196345	0.544004	-1.05597	2.767509	0.012935	0.022218	-3.37236	0.106501	0.215206	0.106501	0.106501	0.25478	0.2349	0.106501	0.106501	0.106501	2.01088	2.074736	1.858866	2.129525	2.517623	2.399663	1.784732	1.442809	2.226823

ZNF729	ENSG00000196350	-0.68518	-1.68105	-3.64322	0.001936	0.004089	-1.41484	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.787595	2.095243	1.780195	1.392977	1.16289	1.129895	1.45147	1.513652	1.665483
CD55	ENSG00000196352	-0.6324	8.801799	-3.07692	0.006668	0.012314	-3.89899	10.71888	10.73304	10.69211	10.30559	10.24502	10.30965	11.66153	11.61567	11.66667	7.228008	7.214627	7.332596	6.235665	6.377781	6.326654	6.598422	6.677994	6.63276
CPNE4	ENSG00000196353	0.312138	3.509133	1.66614	0.113505	0.154011	-5.77176	4.803168	4.751848	4.913139	4.921675	4.944587	4.923071	3.828023	3.685883	3.90213	2.409929	2.632935	2.422156	3.108457	3.141796	3.010124	3.043104	2.799093	2.706008
ZNF565	ENSG00000196357	0.920267	2.165635	6.174995	9.00E-06	3.62E-05	3.690464	2.798329	2.596389	2.883112	3.619685	3.242978	3.643939	3.774765	3.773871	3.557782	1.352446	1.300837	1.46518	2.027088	2.169719	2.036756	1.681967	1.737342	1.877799
WDR5	ENSG00000196363	-0.58442	7.063559	-8.24131	1.99E-07	1.39E-06	6.748665	7.304922	7.251721	7.409158	6.426761	6.530503	6.515184	7.000948	6.897684	6.90341	7.32016	7.299371	7.417489	7.021171	6.968085	6.922886	7.412245	7.382898	7.36443
LONP1	ENSG00000196365	-0.43028	7.199705	-6.68956	3.30E-06	1.53E-05	3.842954	7.530462	7.488763	7.598894	7.172485	7.350349	7.296512	7.54307	7.404411	7.533861	7.157735	7.131436	7.349298	6.71423	6.638447	6.556098	7.157232	7.190907	6.967345
TRRAP	ENSG00000196367	-0.2408	6.995152	-3.89964	0.001101	0.002464	-2.0802	7.237276	7.266007	7.42173	6.875407	6.918814	7.150499	6.940263	6.834781	6.83374	7.122269	7.248209	6.921197	6.92534	6.858343	7.007043	6.870805	6.842689	6.849598
NUDT11	ENSG00000196368	0.492399	-0.66258	2.474535	0.023851	0.038402	-3.60645	3.729242	3.461896	3.39613	3.887325	4.213935	3.991672	3.828023	3.988732	3.783962	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SRGAP2B	ENSG00000196369	-0.12846	1.51816	-0.9093	0.375559	0.440255	-6.36087	1.602421	1.631689	1.706811	2.063099	1.864131	1.799787	1.389995	1.760835	1.564539	2.263275	2.516115	2.604447	2.343563	2.190279	1.970087	1.926335	2.190809	2.174206
FUT4	ENSG00000196371	0.094446	2.229457	0.624366	0.540452	0.601413	-6.7393	2.438959	2.693541	2.621113	2.063099	2.117603	2.258349	2.340763	1.945386	2.047395	2.527059	2.405511	2.786535	2.872818	3.054776	2.883013	2.979529	2.726388	2.687355
ASB13	ENSG00000196372	-0.23472	5.354836	-5.17329	7.00E-05	0.000216	0.902503	5.501516	5.538865	5.536278	5.294904	5.321958	5.155812	5.233498	5.219733	5.165072	5.58539	5.519985	5.596435	5.368624	5.425898	5.323798	5.516966	5.370553	5.362617
ZNF34	ENSG00000196378	-0.02632	2.210383	-0.192	0.849955	0.876097	-6.93647	2.080492	2.125186	1.921989	2.359902	1.498102	2.064596	2.376953	2.147141	2.34318	3.165825	2.779525	3.001185	3.091636	3.04352	2.782986	2.968656	2.711397	2.880366
ZNF140	ENSG00000196387	0.451158	4.972374	5.823354	1.82E-05	6.65E-05	2.338497	4.876148	4.804995	4.887776	4.938614	4.933626	4.937296	4.889651	4.866483	4.84333	4.845549	4.81224	4.803754	5.495531	5.438844	5.534564	5.168285	5.08382	5.194471
ZNF774	ENSG00000196391	-0.00774	1.391301	-0.06371	0.949921	0.958671	-6.83812	1.12723	1.277811	1.088647	1.256461	1.2379	1.575618	1.389995	1.001115	1.38134	2.722179	2.66072	2.558044	2.542344	2.565626	2.528806	2.368215	2.770449	2.79582
PTPN1	ENSG00000196396	-0.12181	6.900749	-2.10251	0.050285	0.074784	-5.77069	6.665951	6.703292	6.584036	6.369619	6.385201	6.394924	6.739468	6.73653	6.629611	7.284953	7.273735	7.332596	7.325387	7.243018	7.272681	7.176261	7.182778	7.143608
EVL	ENSG00000196405	-0.10554	0.610309	-0.30026	0.767521	0.807133	-6.27206	5.720169	5.699529	5.792357	5.464331	5.488499	5.688828	5.486326	5.629937	5.519576	0.106501	0.106501	0.106501	0.171976	0.345231	0.186984	0.106501	0.106501	0.106501
EPHB4	ENSG00000196411	-0.00919	7.068544	-0.07494	0.941115	0.951672	-7.84378	7.261515	7.397988	7.404695	7.483628	7.683722	7.481811	7.100351	7.03502	7.039862	6.846112	6.755749	6.818523	6.648898	6.644979	6.545643	7.151234	7.092371	7.046321
ZNF765	ENSG00000196417	0.170493	4.054779	2.99166	0.008014	0.014483	-3.63559	3.349713	3.516026	3.431666	3.456785	3.502343	3.523386	3.571163	3.90213	3.586306	4.615493	4.709571	4.575288	4.856446	4.859959	4.759194	4.783949	4.914163	4.789136
ZNF124	ENSG00000196418	-0.40863	3.516192	-3.45058	0.002954	0.005943	-2.42624	4.138162	4.12982	3.995797	3.408969	3.378481	3.498018	4.079318	4.009594	3.913431	3.637124	3.66174	3.625013	3.482063	3.583837	3.378997	3.39137	3.058015	3.228839
XRCC6	ENSG00000196419	-0.51299	8.602534	-11.7095	1.06E-09	1.99E-08	12.09129	9.171235	9.156453	9.085589	8.583921	8.539697	8.56748	8.667283	8.771708	8.700856	8.620561	8.55835	8.643272	8.14237	8.165418	8.164897	8.469727	8.409052	8.498255
PPP1R26	ENSG00000196422	-0.0926	5.146039	-0.82655	0.419636	0.484821	-7.26237	5.250176	5.361002	5.446484	4.694564	4.955466	4.71863	5.08826	5.03875	4.945952	5.157281	5.368161	5.276432	5.541158	5.474904	5.455539	5.42251	5.054421	5.137206
TSC22D2	ENSG00000196428	-0.30451	5.074849	-3.8428	0.001248	0.002748	-1.97336	5.304069	5.227863	5.144898	4.626508	4.56592	4.518705	4.758625	4.784126	4.6676	5.464721	5.407641	5.510708	5.384248	5.401859	5.356791	5.414519	5.365774	5.249549
NPIPB15	ENSG00000196436	0.461265	-1.3474	3.296966	0.004134	0.008023	-2.26383	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.078238	1.945166	1.969371	2.343563	2.23054	2.481722	1.627702	1.547811	1.844513
ZNF569	ENSG00000196437	-0.05029	2.792504	-0.64964	0.524369	0.58591	-6.86949	2.526909	2.470453	2.641489	2.548252	2.737798	2.5075	2.981245	2.728183	2.643847	3.265521	3.431133	3.476988	3.353912	3.272884	3.281558	3.423579	3.385297	3.328509
YRDC	ENSG00000196449	-1.19221	6.016386	-27.034	1.05E-15	1.49E-12	26.27127	6.627923	6.571467	6.520821	5.312338	5.253089	5.401341	6.220196	6.097632	6.111723	6.576908	6.504877	6.659351	5.490727	5.399654	5.503472	6.202126	6.127197	6.151152
ZNF777	ENSG00000196453	-0.12819	4.766898	-1.12587	0.275444	0.335886	-6.85194	5.104131	5.168263	5.141325	4.694564	4.971631	4.407292	5.082792	4.949799	5.07736	4.421642	4.435757	4.578198	4.630539	4.743056	4.523816	5.107626	4.959278	4.793504
PIK3R4	ENSG00000196455	0.043606	5.219705	1.073807	0.297511	0.359228	-7.04564	4.837972	4.901694	4.95851	4.97738	5.019069	5.019826	5.077304	5.03875	5.010523	5.473087	5.601093	5.558634	5.553494	5.538426	5.546053	5.520693	5.496136	5.549799
ZNF775	ENSG00000196456	0.687596	1.340803	3.755528	0.001512	0.003268	-1.26107	1.642349	2.332462	2.221741	2.518519	2.660129	2.374422	2.446718	2.290412	2.34318	1.199504	1.112482	1.49011	1.667235	1.846087	1.851631	1.45147	1.16325	1.170016
ZNF605	ENSG00000196458	0.88569	4.520125	12.6673	3.07E-10	7.43E-09	13.732	4.252223	4.342481	4.109872	4.960893	4.894593	5.167927	5.257962	5.21525	5.22526	3.688323	3.884278	3.779618	4.673561	4.704269	4.649854	4.650836	4.551348	4.572451
TRAPPC2	ENSG00000196459	-0.46	4.046078	-4.4774	0.000311	0.000808	-0.27789	4.798758	4.701347	4.631806	4.171485	3.99943	4.10523	4.758625	4.889176	4.7071	4.054455	3.878373	3.809637	3.708564	3.552417	3.665494	3.588914	3.68296	3.788453
MYL6B	ENSG00000196465	0.218784	5.66283	3.754227	0.001516	0.003276	-2.25492	5.149863	5.26627	5.303557	5.388282	5.47722	5.481188	5.668911	5.423907	5.62645	5.814994	5.846135	5.972061	6.113917	6.122272	6.042916	5.977832	5.87814	5.913032
ZNF799	ENSG00000196466	-0.6162	0.815188	-2.88833	0.010003	0.017656	-3.05839	1.384302	1.277811	1.453818	1.022291	1.2379	1.526279	1.389995	1.491012	0.925731	2.14259	1.875739	1.896649	1.573426	1.560439	1.046067	1.419885	1.90484	1.942153
SIAH1	ENSG00000196470	-0.07264	4.696952	-1.46298	0.161225	0.209557	-6.44787	4.925527	4.921884	4.840087	4.753186	4.688349	4.645422	4.695544	4.741115	4.782996	4.728129	4.658809	4.791271	4.71259	4.784213	4.772296	4.677792	4.744131	4.698895
C20orf96	ENSG00000196476	0.304415	3.243176	1.788436	0.091053	0.126983	-5.65565	3.325391	3.537122	3.075109	2.840308	2.835252	2.865864	3.423261	3.3682	3.199964	3.437834	3.501964	3.38694	4.135224	4.116929	4.01878	3.324713	3.537548	3.228839
ESRRG	ENSG00000196482	2.756805	0.141668	8.333774	1.70E-07	1.22E-06	7.42553	0.318509	0.736739	1.088647	2.714828	2.520598	2.346268	1.917967	1.231675	1.674905	0.483018	0.462741	0.594297	1.597456	1.681564	1.284217	0.576451	0.816175	0.580851
NCOR2	ENSG00000196498	-0.09289	8.466072	-0.75523	0.460166	0.523745	-7.64159	9.104016	9.173184	9.354487	9.131925	9.317598	9.16361	8.97974	8.769034	8.961908	7.619094	7.885465	7.81317	7.647267	7.565724	7.568624	8.257748	8.165784	7.99565
SULT1A1	ENSG00000196502	-0.67092	3.317657	-5.92893	1.47E-05	5.55E-05	3.01178	4.688657	4.287521	4.43574	4.020568	3.967543	4.009735	4.462805	4.397684	4.3476	3.145032	3.166245	2.93917	2.300295	2.21055	2.276326	2.75746	2.568968	2.830235
PRPF40A	ENSG00000196504	-0.31396	7.532094	-6.06445	1.12E-05	4.39E-05	2.545811	7.812254	7.811262	7.836712	7.280506	7.344154	7.322036	7.508824	7.585526	7.506137	7.598688	7.597254	7.561535	7.441537	7.435611	7.454884	7.499349	7.544935	7.582008
GDAP2	ENSG00000196505	0.904968	4.307138	12.82034	2.54E-10	6.40E-09	13.9065	3.156438	3.273623	3.371944	3.999198	3.99943	4.062605	4.321396	4.357565	4.198517	4.455814	4.287703	4.358889	5.190502	5.317927	5.292308	5.039116	5.132464	5.194471
TCEAL3	ENSG00000196507	1.058082	2.301267	7.898549	3.59E-07	2.29E-06	6.803523	1.755904	2.37994	2.351095	2.887595	2.904251	3.306732	2.26554	2.029503	2.202855	2.243849	2.155072	2.382761	3.165832	3.077028	3.206318	2.77004	2.854728	2.687355
ANAPC7	ENSG00000196510	0.001801	6.009147	0.039684	0.968795	0.974061	-7.71103	6.511476	6.464039	6.422689	6.536528	6.495526	6.583107	6.508178	6.363784	6.4988	5.664228	5.681277	5.712202	5.632665	5.591562	5.609485	5.457931	5.444943	5.423057
TPK1	ENSG00000196511	-0.83728	1.376484	-4.7746	0.000164	0.000457	0.978087	4.158957	4.164126	4.042515	3.57705	3.242978	3.292047	4.358069	4.324646	4.216877	0.88529	0.583785	0.76743	0.5125	0.416769	0.404558	0.517985	0.816175	0.734116
SLC6A9	ENSG00000196517	-0.43217	4.039841	-4.21199	0.000555	0.001345	-0.97785	3.747663	3.695626	3.511328	3.456785	3.878897	3.838399	3.828023	3.550079	3.572114	4.835851	4.790397	4.883539	4.397206	4.164465	4.098971	4.77149	4.676269	4.698895
AFAP1	ENSG00000196526	-0.09254	7.9583	-0.82838	0.418626	0.483732	-7.54253	8.579286	8.584086	8.595862	8.093375	8.162301	8.115092	8.996557	8.916814	8.916292	7.194248	7.19576	7.128918	7.496084	7.451667	7.458942	7.492722	7.466748	7.5234
NACA	ENSG00000196531	-0.14228	9.165407	-3.84929	0.00123	0.002712	-2.33465	9.498712	9.504022	9.46794	9.231215	9.271006	9.258487	9.381537	9.377846	9.430112	9.048907	8.98449	9.005326	8.910938	8.97643	8.995865	8.876354	8.891469	8.914058
MYO18A	ENSG00000196535	-0.34913	5.958481	-3.44359	0.003	0.00602	-2.97639	6.119004	6.198738	6.215741	5.44865	5.47722	5.414959	5.733141	5.427787	5.313214	6.325233	6.274776	6.267113	6.265031	6.194019	6.177046	6.284447	6.273436	6.285892
SPTSSB	ENSG00000196542	-0.86059	1.202138	-4.72228	0.000183	0.000505	0.238052	0.41387	0.410755	0.323815	0.841981	1.006428	0.563119	0.269385	0.106501	0.256032	4.485065	4.620414	4.503642	3.691919	3.606961	3.563664	4.661004	4.695442	4.789136
BORCS6	ENSG00000196544	1.427874	2.615839	11.36975	1.67E-09	2.80E-08	12.11509	2.051128	2.308123	1.954926	3.633621	3.901574	3.584921	2.576877	2.753138	2.798137	2.409929	2.372288	2.396013	3.395624	3.348006	3.335521	2.946659	2.934355	2.760563
MAN2A2	ENSG00000196547	0.549293	5.952047	4.185362	0.000588	0.001415	-1.29422	5.914086	5.785783	5.876425	6.878337	6.877943	6.926367	6.568102	6.562162	6.601937	5.491736	5.457995	5.426038	5.514586	5.359369	5.536486	5.577264	5.562382	5.682873
MME	ENSG00000196549	0.848065	2.409499	8.322551	1.73E-07	1.23E-06	7.266029	1.010037	1.002471	0.756332	1.104644	0.730585	0.746642	1.074544	1.231675	1.314712	4.529864	4.606195	4.673781	5.485908	5.566222	5.426825	4.752597	4.833383	4.627304
FAM72A	ENSG00000196550	-1.46645	1.112119	-5.4033	4.32E-05	0.000142	2.2393	2.438959	1.978677	2.446827	1.457877	2.03796	1.623325	2.376953	2.108984	2.309357	1.840286	1.699433	2.004401	0.656707	0.986036	0.470356	1.708352	1.645686	1.81044
CACNA1H	ENSG00000196557	0.593173	3.477261	8.392002	1.54E-07	1.12E-06	7.308545	1.826927	1.947501	1.987129	2.021307	2.490996	2.629332	1.816207	1.710758	2.087859	4.963066	5.090242	5.101431	5.678445	5.635331	5.574382	5.541021	5.329416	5.271631
SULF2	ENSG00000196562	1.758606	-0.38418	3.285034	0.004243	0.00821	-2.02015	2.949211	3.235413	3.24453	5.122798	4.998178	4.884435	2.779728	2.451551	2.34318	0.190076	0.259702	0.106501	0.106501	0.106501	0.263213	0.106501	0.19538	0.106501
LAMA2	ENSG00000196569	-1.16939	1.053167	-4.91429	0.000121	0.000351	1.196779	2.649532	2.91921	2.848472	1.256461	1.556428	1.669505	1.459147	1.15884	1.826075	1.388276	1.967585	1.877881	1.336984	1.357245	1.355599	1.419885	1.206659	0.999041
PLXNB2	ENSG00000196576	0.341028	7.684037	2.884599	0.010083	0.017787	-4.30225	7.944895	7.939597	8.024426	8.720363	8.852812	8.676795	8.061014	7.942235	7.962301	7.349425	7.353044	7.424376	7.316366	7.147022	7.292143	6.830084	6.879199	6.739602
XRCC2	ENSG00000196584	-2.12674	3.322896	-7.42086	8.43E-07	4.73E-06	5.911509	4.102823	3.829904	4.042515	2.97776	3.260629	3.086148	3.788265	3.90213	3.681923	4.271447	4.237848	4.059098	1.797417	1.428204	1.775589	4.298124	4.348284	4.335451
MYO6	ENSG00000196586	0.758881	6.552908	8.635134	1.02E-07	8.05E-07	7.454254	5.313374	5.474709	5.244837	5.887123	5.726197	6.009218	5.900984	5.733887	5.745052	7.149928	7.216969	7.127925	8.045521	8.019735	8.039096	7.206657	7.229563	7.229115
MRTFA	ENSG00000196588	-0.079	5.711004	-0.81164	0.427912	0.492903	-7.36033	6.239421	5.971588	6.212339	5.775282	5.751385	5.59324	5.609312	5.481041	5.677057	5.610256	5.608245	5.698897	5.970627	5.717306	5.876944	5.57368	5.442675	5.502565
HDAC2	ENSG00000196591	0.008347	6.972805	0.270209	0.790164	0.82558	-7.81055	7.020527	7.039895	6.985753	6.997633	6.936766	6.953449	6.905069	6.933604	6.967161	6.993699	6.965218	6.996533	7.051388	7.009168	7.077352	6.988517	6.938337	6.963474
ANKRD20A	ENSG00000196593	0.31688	0.17891	5.049508	9.10E-05	0.000272	0.907564	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.64911	4.637993	4.548836	5.014278	4.794321	4.903135	4.398766	4.568087	4.536426
ZNF782	ENSG00000196597	0.577698	2.301659	4.536082	0.000274	0.000721	0.211462	2.668993	2.55562	2.514675	2.605941	2.737798	3.016392	2.957542	3.063581	2.670735	2.01088	2.174476	2.088428	2.83289	2.756951	2.689384	2.283004	2.392244	2.48622
POTEF	ENSG00000196604	-0.6007	-0.7145	-3.06397	0.006857	0.012626	-2.89094	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.253663	0.106501	3.102524	3.023743	2.826234	2.062048	2.398985	2.465679	2.807136	2.799093	3.079476
ZNF846	ENSG00000196605	0.626158	1.247525	3.49762	0.002665	0.005425	-1.86376	1.927307	1.591918	1.585853	1.888135	1.864131	1.840725	1.389995	1.430416	1.962896	1.814181	1.725977	1.248523	2.270712	2.169719	2.10048	1.880661	1.851139	1.504318
TCF4	ENSG00000196628	1.69592	3.10295	9.149409	4.43E-08	4.03E-07	8.881177	3.128595	2.802095	2.933559	4.97738	4.801196	4.839695	4.348988	4.569092	4.578115	1.865926	2.437987	2.104662	2.940139	2.974074	2.95373	2.479639	2.447571	2.397196
WNK3	ENSG00000196632	0.458925	1.855943	3.041715	0.007195	0.013182	-3.04045	1.069823	1.173893	1.088647	1.840866	2.155834	1.919272	2.01302	1.491012	1.564539	2.650221	3.055486	2.660429	2.822733	3.009215	3.042931	3.181381	3.138674	3.215882
SDHAF3	ENSG00000196636	-0.4361	4.324755	-5.40655	4.30E-05	0.000141	1.619124	4.467563	4.614695	4.326715	4.299384	4.13	3.91707	4.504297	4.68386	4.764393	4.663802	4.532919	4.566525	4.097807	4.1851	4.114488	4.311095	4.512957	4.477932
HRH1	ENSG00000196639	0.142323	4.190187	2.974213	0.008321	0.014977	-3.70478	3.385444	3.58855	3.565652	3.605613	3.574682	3.572823	3.719464	3.82184	3.759121	4.889966	4.77459	4.821051	4.99179	4.919664	5.036727	4.958973	5.018332	5.004109
RABL6	ENSG00000196642	-0.00327	4.778245	-0.05006	0.960646	0.967543	-7.53557	4.829349	4.653851	4.817878	4.790984	4.933626	4.656929	4.744844	4.741115	4.934903	4.803043	4.905185	5.089246	4.895737	4.931925	4.920894	4.780845	4.870969	4.670683
ZNF136	ENSG00000196646	-0.40291	3.197354	-5.17851	6.93E-05	0.000214	1.34289	3.262728	3.100202	3.133821	2.97776	2.660129	2.697781	3.457463	3.141256	3.289427	3.798946	3.860515	3.685623	3.388755	3.375198	3.509921	3.737235	3.743163	3.591857
ZKSCAN5	ENSG00000196652	0.408098	4.579524	7.080221	1.58E-06	8.09E-06	4.975207	4.888652	4.80064	4.749122	5.209091	5.079986	5.203674	5.157514	5.201716	5.092354	4.14101	3.953305	3.986493	4.499582	4.484656	4.351192	4.189932	4.343431	4.255399
ZNF502	ENSG00000196653	0.168811	1.300617	1.609588	0.1254	0.168488	-6.03697	0.216396	0.499412	0.421314	0.841981	0.25478	0.2349	0.548589	0.253663	0.515351	4.505601	4.443776	4.324649	4.63635	4.509412	4.584502	4.588279	4.534411	4.541628
TRAPPC4	ENSG00000196655	0.285009	5.800914	7.162716	1.35E-06	7.10E-06	4.885305	5.525735	5.708855	5.7295	5.918767	5.821441	5.880161	5.609312	5.740142	5.605699	5.808398	5.793771	5.794563	6.114958	6.126279	6.130742	5.865084	5.851038	5.872323
AC004057.	ENSG00000196656	-0.27717	1.309646	-2.04966	0.055712	0.081981	-4.67892	2.137484	2.09705	2.166567	2.063099	1.817192	1.757653	2.01302	1.901414	1.674905	1.98771	1.55885	1.780195	1.548989	1.819936	1.51998	1.734264	1.478665	1.703111
TTC30B	ENSG00000196659	0.379909	3.376637	4.113326	0.000689	0.001627	-0.98247	3.633432	3.57841	3.466347	3.766043	3.47236	3.744443	3.490873	3.446787	3.543305	3.284659	3.269103	3.195594	3.575762	3.78648	3.957004	3.333216	3.422593	3.30423
TECPR2	ENSG00000196663	0.551187	5.33208	11.37835	1.65E-09	2.78E-08	11.84734	4.450796	4.406929	4.58523	4.910272	5.089893	5.230878	4.681143	4.603806	4.6676	5.793443	5.793771	5.815673	6.318418	6.290015	6.316627	6.010007	5.951743	5.793844
LINC00173	ENSG00000196668	-0.53146	-0.28586	-0.74736	0.46478	0.528363	-5.95718	2.080492	2.206444	2.079636	1.326771	0.828511	1.310092	2.340763	2.069791	2.501332	0.34397	0.748206	0.230035	0.701742	1.032323	0.957066	0.106501	0.358227	0.214669
ZFP62	ENSG00000196670	0.003827	5.106329	0.090116	0.929219	0.942252	-7.63241	4.707601	4.881217	4.749122	4.707799	4.635214	4.751204	4.666597	4.59002	4.534865	5.573767	5.624209	5.682768	5.628298	5.717306	5.687638	5.564682	5.489561	5.528997
ERI2	ENSG00000196678	-0.4502	4.58408	-8.76967	8.19E-08	6.69E-07	7.98617	4.917414	4.83937	4.892035	4.448742	4.240862	4.365821	4.80585	4.855002	4.72003	4.735102	4.696209	4.700729	4.283307	4.381153	4.402656	4.736662	4.76606	4.836464
TOMM7	ENSG00000196683	-0.08973	6.940713	-1.66036	0.114674	0.155405	-6.44986	7.960279	7.949957	7.879695	7.666741	7.753167	7.640935	7.767542	7.803531	7.822426	6.031553	6.056844	6.120146	6.113917	6.176092	6.213527	6.122199	6.054811	6.058025
HSH2D	ENSG00000196684	-0.47914	0.737513	-3.08655	0.006531	0.012097	-3.153	0.667115	0.499412	0.512639	0.106501	0.25478	0.3528	0.415731	0.253663	0.106501	3.895476	3.884278	3.91004	3.475595	3.606961	3.502077	4.103106	4.273707	4.044405
TRPV1	ENSG00000196689	0.109644	2.083881	0.70512	0.490026	0.552959	-6.5603	3.183753	2.819419	3.190238	2.714828	2.970101	3.016392	2.376953	2.108984	2.643847	2.18395	1.875739	1.877881	2.145912	2.344993	2.416453	1.734264	1.878239	2.033602
ZNF33B	ENSG00000196693	0.845658	3.917931	12.88439	2.35E-10	6.05E-09	14.04114	3.919992	3.944869	3.93931	4.59836	4.594038	4.702062	4.034706	4.273815	4.288067	3.255856	3.463043	3.318995	4.126992	4.230476	4.297823	3.812139	3.713375	3.805852
PDXDC2P-I	ENSG00000196696	0.579842	-0.48231	1.63252	0.120455	0.162651	-5.28736	0.106501	0.316291	0.512639	0.52061	0.106501	0.909432	0.548589	0.253663	0.256032	2.033684	1.875739	1.538714	2.385571	2.016959	2.014873	1.177011	1.513652	1.58715
ZNF512B	ENSG00000196700	0.331105	6.558039	6.817173	2.59E-06	1.24E-05	4.116893	5.636146	5.421814	5.625931	5.938549	6.106488	5.986596	5.801308	5.836697	5.961941	7.162915	7.208169	7.2933	7.52378	7.431839	7.477561	7.333913	7.336632	7.286788
AMZ2	ENSG00000196704	-0.50034	6.799159	-7.42569	8.35E-07	4.70E-06	5.300912	7.721973	7.770091	7.695853	7.142341	7.003803	6.988027	7.098998	7.104543	7.01122	6.54055	6.47291	6.542807	6.217367	6.255066	6.19053	6.295367	6.28234	6.307429
ZNF431	ENSG00000196705	0.70684	4.28314	5.380285	4.54E-05	0.000148	1.416124	3.114469	3.428416	3.334887	3.237064	2.926537	3.26222	3.405851	3.232814	3.357206	5.346754	5.403536	5.166672	6.217367	6.110184	6.232614	4.947942	5.112633	5.059556
NF1	ENSG00000196712	0.080163	7.118063	1.322894	0.202919	0.256198	-6.98419	6.791116	6.887048	6.921591	7.040106	6.986671	7.221967	7.078541	7.058986	6.964447	7.329405	7.411962	7.110948	7.238754	7.223824	7.270374	7.246026	7.178696	7.358547
VKORC1L1	ENSG00000196715	0.10601	6.534169	1.661891	0.114364	0.155073	-6.42791	6.764225	6.814386	6.769044	7.196155	7.045128	7.051527	7.045194	6.987177	6.897731	6.13667	6.219803	6.140957	6.04678	6.015426	6.120533	6.22172	6.206853	6.237028
ZNF418	ENSG00000196724	0.140083	-0.02356	1.767656	0.094571	0.131246	-5.71012	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	4.082065	4.097507	4.083875	4.126992	4.169652	4.237689	4.180538	4.071361	4.029672
DAPK1	ENSG00000196730	0.468376	5.42122	7.259933	1.13E-06	6.11E-06	5.033139	3.613482	4.006672	3.65856	4.290615	4.416469	4.499659	3.219115	3.232814	3.104585	7.151232	7.094351	7.157892	7.549799	7.524318	7.571438	6.911119	6.815783	6.933118
COL27A1	ENSG00000196739	-1.0396	-0.21345	-2.96122	0.008556	0.015343	-2.67141	4.192962	4.318312	4.429894	3.308302	3.278066	3.152687	3.853933	3.659726	3.586306	0.190076	0.185134	0.106501	0.171976	0.190544	0.106501	0.257084	0.106501	0.106501
LINC01560	ENSG00000196741	-0.02609	0.653213	-0.1492	0.883106	0.904543	-6.57258	1.336422	0.940485	0.964748	1.256461	1.087782	1.123626	1.160105	0.726566	1.314712	1.676063	1.967585	1.631268	1.755315	1.681564	1.550722	1.85727	1.90484	1.461048
GM2A	ENSG00000196743	0.754826	5.629258	6.23971	7.91E-06	3.24E-05	3.163685	6.218111	6.308632	6.122779	7.289336	7.206364	7.207367	6.106247	6.225736	6.148055	4.592639	4.5846	4.643544	4.996315	4.988782	4.958638	4.76522	4.833383	4.784756
H2AC13	ENSG00000196747	1.218521	0.161522	4.247365	0.000514	0.001257	-0.26338	0.667115	0.736739	0.829201	0.52061	0.512209	0.3528	0.670238	0.726566	0.256032	1.616888	1.55885	1.585733	3.031169	2.784257	2.976553	1.512637	1.478665	1.370407
S100A2	ENSG00000196754	-1.63176	4.410301	-10.2115	8.66E-09	1.05E-07	10.23104	4.25866	3.944869	4.087767	1.791994	1.864131	1.993763	2.832807	3.102941	2.697131	6.49506	6.473889	6.592576	5.042999	5.223832	5.023089	6.899715	6.833199	6.776472
SNHG17	ENSG00000196756	-0.42623	6.24765	-5.52772	3.34E-05	0.000113	1.554697	6.66474	6.654655	6.644597	5.977316	6.054313	5.940258	6.479338	6.584928	6.61584	6.226009	6.179557	6.356252	6.067359	5.927843	6.128197	6.116053	6.128608	6.068874
ZNF700	ENSG00000196757	-0.00736	-0.69142	-0.08868	0.930341	0.942986	-6.92304	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.0698	3.116952	3.117748	2.940139	3.173121	3.085545	2.990321	2.972579	3.107809
CD47	ENSG00000196776	1.215631	6.328613	10.13323	9.73E-09	1.16E-07	9.919824	5.285277	5.424646	5.277754	6.20204	6.071915	6.035905	5.863212	5.839612	5.690258	6.382982	6.40266	6.450559	7.863348	7.899634	7.882132	6.58869	6.565785	6.566681
TLE1	ENSG00000196781	0.466756	5.621239	8.556689	1.17E-07	8.93E-07	7.405346	5.015692	4.99613	5.060398	5.44865	5.387689	5.387592	4.730929	4.482206	4.764393	6.152384	6.015748	6.271613	6.622061	6.613925	6.711277	6.09995	6.05035	5.973944
MAML3	ENSG00000196782	1.135694	4.406572	7.053193	1.66E-06	8.45E-06	5.086222	5.300954	5.39028	5.347631	6.765786	6.746323	6.679347	6.15656	5.954347	5.931692	2.790717	2.889287	2.855308	3.181815	3.088026	2.99902	3.152846	3.046116	3.079476
H2AC11	ENSG00000196787	0.389882	-0.22273	2.526147	0.021442	0.034891	-4.14102	0.216396	0.316291	0.106501	0.106501	0.389229	0.3528	0.106501	0.106501	0.106501	2.966925	2.877496	3.068941	3.281595	3.338827	3.299771	3.001034	2.741225	2.912845
STRN3	ENSG00000196792	0.096975	5.279107	1.966622	0.065312	0.094488	-5.78766	4.969353	4.881217	4.866295	5.1029	4.966263	4.772519	5.262806	5.306587	5.342774	5.435051	5.452044	5.38509	5.506677	5.510085	5.640184	5.742772	5.812922	5.767446
ZNF239	ENSG00000196793	-0.25272	3.943735	-2.92225	0.009302	0.016541	-3.74085	3.911847	4.12286	4.050156	3.619685	3.441741	3.377995	3.523527	3.685883	3.271973	4.455814	4.45572	4.533928	4.444342	4.354074	4.372859	4.285035	4.293974	4.551975
CTBP1-DT	ENSG00000196810	-0.05291	5.084748	-0.46136	0.650232	0.701557	-7.49302	4.859306	4.822285	4.925655	5.259393	5.253089	5.272617	4.792514	4.753535	4.758139	5.328427	5.413777	5.380097	5.034222	5.074229	5.034009	5.526265	5.51784	5.311765
ZSCAN16	ENSG00000196812	1.118202	2.115437	6.555708	4.27E-06	1.90E-05	4.340925	1.475543	1.508929	1.30847	2.393052	2.078331	2.064596	2.513265	2.420731	2.588518	2.392392	2.618839	2.447834	3.520276	3.320292	3.462206	2.77004	2.649824	2.706008
MVB12B	ENSG00000196814	-0.48662	4.396514	-6.01757	1.23E-05	4.76E-05	2.897458	5.233934	5.272573	5.258094	4.555081	4.871804	4.707606	4.445869	4.944392	4.694053	4.364327	4.415514	4.197974	4.033205	3.903166	3.849837	3.743628	3.967936	3.999746
ILRUN	ENSG00000196821	0.046152	6.745182	0.777962	0.446996	0.511165	-7.52577	6.172821	6.12924	6.1372	6.475936	6.486179	6.410303	6.276361	6.293224	6.329849	7.297962	7.25278	7.247887	7.148619	7.116462	7.122177	7.300157	7.279969	7.198156
ADA	ENSG00000196839	-1.14835	3.7867	-5.08622	8.42E-05	0.000254	1.17737	6.061262	6.043381	6.095343	4.701197	4.594038	4.48682	4.56045	4.715948	4.654189	2.722179	2.741	3.052298	2.802201	2.784257	2.330481	2.744769	2.770449	2.928814
ARID5A	ENSG00000196843	0.046377	2.939371	0.545042	0.592612	0.649775	-7.09083	2.19231	2.206444	2.579475	2.103714	2.57804	2.532704	1.966276	2.481727	2.127218	3.87036	3.913441	4.008229	3.937609	3.964133	4.007743	4.132632	4.178806	4.058989
PPTC7	ENSG00000196850	-0.23174	6.025882	-3.40229	0.003284	0.006515	-3.0459	6.35807	6.323886	6.229267	6.365449	6.166236	6.311829	6.244885	6.092752	6.101877	5.984048	6.086595	6.050624	5.571804	5.652103	5.682442	5.844414	5.946952	5.868189
NHLRC2	ENSG00000196865	-0.08728	5.101138	-0.92565	0.367235	0.432203	-7.10335	5.578142	5.523092	5.547119	5.720837	5.654575	5.788972	5.590171	5.560947	5.504708	4.85838	4.899366	4.64632	4.502766	4.420842	4.398437	4.796302	4.664642	4.985143
ZFP28	ENSG00000196867	0.935044	3.208602	9.88153	1.42E-08	1.59E-07	9.906753	2.369288	2.232543	2.274882	2.633943	2.398361	2.719893	2.908934	2.702788	2.915195	3.614613	3.786782	3.543997	4.577158	4.722029	4.677975	4.332457	4.328771	4.311289
CRACDL	ENSG00000196872	1.177148	0.28454	6.119159	1.01E-05	3.98E-05	3.425491	0.318509	0.316291	0.106501	0.635873	0.625525	0.461789	0.415731	0.106501	0.106501	2.494552	2.946841	2.806521	3.819988	3.858903	3.593499	3.209363	3.193646	3.006111
CBWD3	ENSG00000196873	-0.29385	1.24554	-2.03634	0.057159	0.083956	-4.63597	2.589523	2.61635	2.492412	2.21912	2.229385	2.258349	2.186178	2.357042	2.047395	1.315703	1.435603	1.360915	1.248697	1.2438	1.390007	1.214313	1.547811	0.93723
LAMB3	ENSG00000196878	-1.12006	7.040391	-13.0008	2.03E-10	5.50E-09	13.86381	5.797357	5.858816	5.854773	4.827817	5.019069	4.798728	5.213624	5.048863	4.967798	9.296446	9.225343	9.357459	8.225193	8.081575	8.160544	9.172928	9.142443	9.074065
H2BU1	ENSG00000196890	2.884917	-0.3332	8.659547	9.82E-08	7.77E-07	8.087307	0.318509	0.106501	0.219246	0.841981	0.389229	0.746642	0.106501	0.509405	0.735084	1.423238	1.112482	1.158083	3.388755	3.38415	3.629946	1.45147	1.289746	1.058313
KPNA5	ENSG00000196911	0.761579	2.405229	5.098065	8.21E-05	0.000248	1.394812	2.245129	2.425906	2.221741	2.91067	2.811499	3.016392	2.933443	3.083395	3.271973	2.444376	2.338281	1.951531	2.566893	3.020741	2.98783	2.417026	2.601856	2.84714
ANKRD36B	ENSG00000196912	0.105457	0.628973	0.61827	0.544371	0.604606	-6.27522	1.755904	1.277811	1.406977	1.457877	1.437317	1.367251	1.648695	1.760835	1.445026	1.073118	1.335727	1.094478	1.088368	1.428204	1.456457	1.286141	1.16325	1.322858
ARHGEF12	ENSG00000196914	0.273963	7.273736	4.870449	0.000133	0.000381	0.026271	7.025253	6.974705	7.021175	7.416698	7.363681	7.515387	7.12583	7.30876	7.109075	7.372529	7.439791	7.207119	7.480016	7.470701	7.47906	7.238124	7.249808	7.303726
HCAR1	ENSG00000196917	-0.14934	0.756179	-1.69185	0.108426	0.14805	-6.08961	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.256032	5.74935	5.583055	5.63047	5.50191	5.44741	5.455539	5.235596	5.16584	5.271631
ZNF252P	ENSG00000196922	0.714521	5.483848	13.65907	9.23E-11	3.09E-09	14.81403	4.410898	4.424018	4.453135	5.325276	5.029402	5.187896	5.08826	5.028565	5.121883	5.751071	5.892276	5.760389	6.489493	6.46157	6.466232	6.141692	6.171688	6.171428
PDLIM7	ENSG00000196923	-0.71406	6.590614	-3.99452	0.000894	0.002051	-1.85496	6.627923	6.596806	6.737446	5.199754	5.399687	5.349094	5.356409	5.132077	5.431918	7.43489	7.460193	7.672216	7.217591	7.178235	7.189046	7.761188	7.677156	7.557823
FLNA	ENSG00000196924	0.209197	10.02674	2.63603	0.01706	0.028419	-4.98453	9.334567	9.301821	9.375547	9.484573	9.701659	9.552397	9.358814	9.330961	9.319241	10.39359	10.40094	10.42222	10.6528	10.53712	10.58351	10.96166	10.91777	10.88023
SRGAP1	ENSG00000196935	-0.78126	5.327951	-6.73789	3.01E-06	1.41E-05	4.175844	6.099415	6.134441	6.146141	5.171375	5.128856	5.215396	5.856819	5.986272	5.983548	5.44146	5.368161	5.487683	4.838914	4.9104	4.79173	4.691084	4.641102	4.7174
FAM3C	ENSG00000196937	-0.72471	7.366462	-17.1808	2.18E-12	1.99E-10	18.54133	6.731048	6.734449	6.635737	6.178467	6.145011	6.044692	6.679152	6.748989	6.678454	8.578532	8.569845	8.568799	7.700588	7.785186	7.810504	8.343367	8.405563	8.453766
NOP9	ENSG00000196943	-0.22363	6.30379	-5.13388	7.61E-05	0.000233	0.660126	5.621238	5.680694	5.656289	5.241304	5.438974	5.268872	5.282018	5.192623	5.256657	7.395819	7.334835	7.376294	7.242569	7.145706	7.238273	7.169154	7.106048	7.230726
SLC39A10	ENSG00000196950	0.678601	4.851387	4.527851	0.000279	0.000732	-0.2963	4.820675	4.701347	4.504099	5.521661	5.454395	5.566032	6.254643	6.381898	6.289216	3.968304	4.051023	3.95997	4.245787	4.484656	4.423569	4.481413	4.538664	4.72199
CASP4	ENSG00000196954	0.169146	6.126321	1.181195	0.253349	0.31215	-7.05737	6.208169	6.122277	6.153254	5.775282	5.600158	5.713835	6.143489	6.080481	6.056723	6.130072	6.089154	6.069355	6.72654	6.67811	6.758132	6.084924	6.127197	6.146038
AP2A1	ENSG00000196961	0.758344	6.482275	13.68738	8.93E-11	3.03E-09	14.77438	6.031501	6.074377	6.069258	6.901559	6.966647	6.844446	6.217704	6.157275	6.202046	6.190934	6.321217	6.390586	7.062761	6.931152	6.938226	6.666451	6.553228	6.469044
ZNF585A	ENSG00000196967	0.29739	3.802678	2.229334	0.039175	0.059713	-4.97123	3.593253	3.370829	3.607684	3.181227	3.734793	3.643939	4.31208	4.45204	4.444269	3.702624	3.811781	3.608031	4.002038	4.235431	4.160062	4.036981	4.216457	4.255399
FUT11	ENSG00000196968	-0.21518	3.61492	-1.06366	0.301958	0.36401	-6.50272	4.553837	4.604738	4.720675	4.88719	4.614773	4.839695	4.737903	4.728586	4.726452	2.856146	3.116952	2.855308	2.193986	2.269709	2.058312	3.374993	3.366281	3.328509
ANXA4	ENSG00000196975	0.602638	6.509578	6.222163	8.19E-06	3.34E-05	2.950122	6.89806	6.892174	6.86206	7.130104	7.183413	7.134125	6.15656	6.241253	6.133632	6.023031	5.962327	6.049576	6.957029	6.905735	6.898444	6.047952	6.0111	5.994954
LAGE3	ENSG00000196976	0.03689	4.873119	0.475387	0.640398	0.692626	-7.39024	5.350006	5.328095	5.387386	5.087795	5.3917	5.215396	5.282018	5.268148	5.338588	4.266643	4.45572	4.578198	4.540442	4.811013	4.569568	4.654234	4.645052	4.483349
WDR5B	ENSG00000196981	0.67891	3.439593	11.61028	1.21E-09	2.18E-08	12.39976	2.996191	3.042358	3.06005	3.714523	3.588725	3.572823	3.277716	3.232814	3.143496	3.681119	3.66174	3.613714	4.257146	4.240369	4.368551	3.581796	3.644015	3.68882
WDR45	ENSG00000196998	0.795899	5.61599	9.87839	1.43E-08	1.59E-07	9.622402	5.319544	5.224615	5.290713	5.737065	5.827376	5.719334	5.661594	5.636658	5.670411	5.180457	5.263327	5.342946	6.238533	6.250178	6.300889	5.66239	5.761087	5.557523

METTL9	ENSG00000197006	0.114937	6.807019	0.882937	0.389253	0.454362	-7.3942	6.938712	7.063715	6.863145	7.289336	7.265475	7.359493	7.793714	7.867781	7.84989	6.326388	6.354561	6.425738	6.17108	6.227976	6.270045	6.329765	6.170318	6.219283
ZNF138	ENSG00000197008	-0.18756	2.634649	-2.61197	0.01794	0.02971	-4.13059	1.927307	2.039077	2.138168	2.143217	1.864131	1.956998	2.058296	2.220554	2.239236	3.882973	3.668598	3.848714	3.697489	3.479115	3.600863	3.836267	3.750515	3.805852
ZNF429	ENSG00000197013	0.482456	2.023097	4.769163	0.000166	0.000462	0.661343	1.719036	1.591918	1.499186	2.063099	1.996426	2.22781	1.816207	1.945386	2.202855	2.708071	2.792142	2.649405	3.039964	3.152313	2.965187	2.782512	2.634012	2.960231
ZNF470	ENSG00000197016	0.360563	3.719395	5.732799	2.19E-05	7.81E-05	2.292974	2.780548	2.76681	2.300736	3.083078	2.926537	2.998412	3.004565	2.916694	3.181386	4.549776	4.735932	4.542892	4.936342	4.9104	4.947129	4.9115	4.920695	5.004109
SERTAD1	ENSG00000197019	-0.14356	4.714889	-1.74759	0.09808	0.135521	-6.0514	4.579773	4.538284	4.453135	4.63346	4.681813	4.685302	4.462805	4.703199	4.633836	5.074478	5.105486	5.185873	4.886014	4.729072	4.817241	5.039116	5.021374	4.651565
ZNF100	ENSG00000197020	-0.55827	2.6293	-6.54665	4.34E-06	1.93E-05	4.171229	1.894617	1.947501	2.018628	1.457877	1.556428	1.623325	2.340763	2.623806	2.309357	4.03198	3.997554	3.982106	3.456014	3.436722	3.578659	4.026533	4.156841	4.007286
EOLA2	ENSG00000197021	-0.29758	5.090749	-5.11452	7.93E-05	0.000241	0.851369	5.544295	5.493717	5.571218	4.949796	5.257491	5.131272	5.32896	5.400404	5.451432	4.966032	5.038233	4.994418	4.871306	4.746531	4.848508	4.897235	5.042491	4.890466
ZNF398	ENSG00000197024	0.17499	4.932773	3.050365	0.007062	0.01296	-3.61822	4.859306	4.724521	4.671981	5.015132	4.883243	5.055043	5.141824	5.164994	5.274297	4.769473	4.964909	4.890578	4.959705	4.947106	5.079521	5.08263	5.042491	5.133766
ZSCAN25	ENSG00000197037	-0.36641	5.033674	-3.66718	0.001836	0.003902	-2.30912	5.552176	5.536248	5.506038	4.674482	4.782991	4.798728	5.228555	5.310795	5.102264	4.933056	4.956526	5.024594	4.938696	4.875912	5.020346	5.105146	5.030462	5.048636
ANXA6	ENSG00000197043	0.492035	3.041094	2.738372	0.013757	0.023455	-3.40066	6.104784	6.13617	6.196933	6.667608	6.637387	6.502484	6.57201	6.642827	6.605426	0.88529	0.524532	0.726056	1.308151	0.888753	1.17005	1.058946	0.637375	0.872651
ZNF441	ENSG00000197044	-0.08967	-0.86205	-0.78682	0.441926	0.506182	-6.52423	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.047564	2.817048	2.724859	2.911671	2.596763	2.618601	2.75746	2.568968	2.896697
GMFB	ENSG00000197045	-0.0057	6.595837	-0.12791	0.899677	0.917888	-7.81576	6.546092	6.50744	6.542653	6.534673	6.395223	6.351321	6.247331	6.353622	6.167064	6.901402	6.89458	6.848955	6.903821	7.00119	6.954124	6.567226	6.594666	6.69361
ZNF420	ENSG00000197050	1.252883	3.744305	9.452388	2.74E-08	2.70E-07	9.246407	2.798329	2.76681	2.492412	3.875646	4.009905	3.75519	4.154215	4.332946	4.436456	3.536933	3.431133	3.432666	4.577158	4.660731	4.496442	4.245042	4.283876	4.280507
ZMYM1	ENSG00000197056	-0.82998	3.949486	-10.5837	5.03E-09	6.86E-08	10.92824	4.467563	4.710662	4.48167	3.533117	3.602632	3.560621	4.068294	3.967564	3.759121	4.443094	4.390842	4.352105	3.773284	3.717329	3.760608	3.967679	4.07722	4.190648
ZSCAN26	ENSG00000197062	0.130622	2.740798	1.169183	0.258029	0.317504	-6.32565	2.762544	3.042358	2.514675	3.083078	2.520598	2.763128	2.858632	3.102941	3.104585	2.955028	2.969234	2.766268	2.968056	3.077028	3.147195	2.979529	3.171908	3.328509
MAFG	ENSG00000197063	-1.00512	6.714768	-10.6674	4.46E-09	6.18E-08	10.73023	7.304145	7.289507	7.3329	6.097824	6.243717	6.102644	7.250545	7.216444	7.175119	7.071519	6.974934	7.064503	6.247104	6.107484	6.173346	6.506498	6.49533	6.481278
ARRDC1	ENSG00000197070	0.056617	4.941632	0.373041	0.713603	0.759801	-7.54207	4.929567	4.909804	5.018167	4.152252	4.56592	3.964146	4.235306	4.166444	4.270596	5.159875	5.290258	5.417941	5.718713	5.710205	5.761774	5.621323	5.574859	5.420236
KIAA1671	ENSG00000197077	0.369551	5.478977	4.33925	0.00042	0.00105	-0.97287	4.740165	4.897622	4.892035	5.199754	5.338674	5.268872	4.552561	4.583078	4.505294	5.919702	6.072443	5.841329	6.266905	6.281656	6.2804	6.281155	6.210856	6.151152
IGF2R	ENSG00000197081	0.416129	8.40924	2.068313	0.053738	0.079373	-5.89221	8.887481	8.895666	9.015354	9.974693	9.980748	10.20342	9.766669	9.680882	9.757186	7.460361	7.57004	7.359481	7.007785	6.955378	7.044652	7.355986	7.230221	7.328767
DYNC1H1	ENSG00000197102	0.207602	9.494075	1.872313	0.077992	0.11062	-6.32692	9.56351	9.645359	9.781275	10.09399	10.03608	10.38326	10.03327	9.859198	9.908873	9.258834	9.449586	8.930033	9.150573	9.025527	9.145764	8.913684	8.863348	8.890553
PCBP2	ENSG00000197111	-0.29269	7.619647	-7.35613	9.48E-07	5.24E-06	5.100909	8.176691	8.122132	8.13769	7.827694	7.73118	7.802486	8.033645	8.043699	8.080436	7.454563	7.351979	7.361593	7.130205	7.134477	7.22523	7.206078	7.200333	7.275124
ZGPAT	ENSG00000197114	-0.01729	2.276424	-0.12912	0.898735	0.917283	-7.0085	2.165157	2.356396	2.351095	1.933905	2.155834	1.575618	1.867984	1.710758	2.127218	2.763691	3.15652	3.133657	3.100071	3.263212	3.167173	3.341669	3.093137	3.215882
SLC25A29	ENSG00000197119	1.028676	4.178339	14.23351	4.75E-11	1.88E-09	15.61337	3.801557	3.8803	3.845818	4.833866	5.099733	4.72411	3.866715	3.773871	4.112876	3.864012	4.195737	4.050743	4.964332	4.953134	5.014844	3.894879	3.999132	3.856822
PGAP1	ENSG00000197121	-0.17909	4.463974	-2.07228	0.053327	0.078806	-5.3597	5.2241	5.281977	5.325763	5.342348	4.992907	5.363212	5.009762	5.164994	5.126746	3.950439	4.301006	3.990867	3.697489	3.752319	3.773698	3.70484	3.779553	3.906054
SRC	ENSG00000197122	0.407583	7.283	3.509472	0.002596	0.005301	-2.88613	8.514873	8.513662	8.54133	9.006004	9.137965	8.994496	8.394661	8.285795	8.341677	5.806744	5.708155	5.688165	5.98094	6.01974	5.949395	6.162119	6.148223	6.156248
ZNF682	ENSG00000197124	-0.2813	-0.70194	-3.30028	0.004104	0.007973	-2.49225	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.102524	3.086546	3.240362	2.812503	2.888589	2.821313	3.133504	3.116085	3.215882
ZNF772	ENSG00000197128	0.001665	3.654346	0.022365	0.98241	0.985494	-7.49928	2.416107	2.356396	2.221741	2.063099	1.817192	1.880533	2.576877	2.848856	2.274723	5.384942	5.380746	5.366698	5.458289	5.48534	5.378375	5.442295	5.422105	5.515842
PCNX3	ENSG00000197136	0.520198	6.879908	8.79397	7.87E-08	6.48E-07	7.705207	5.872723	5.940257	6.040775	6.55861	6.725819	6.660892	6.360105	6.075543	6.265158	7.293245	7.35464	7.325688	7.787693	7.699482	7.668366	7.552201	7.553892	7.354858
LRRC8B	ENSG00000197147	0.783481	3.991192	7.053261	1.66E-06	8.45E-06	4.967505	2.688195	2.784561	3.190238	4.103016	3.923901	4.113606	3.788265	3.659726	3.856018	4.125171	4.331577	3.977706	4.586193	4.746531	4.775553	4.96719	4.962447	5.119922
ABCB8	ENSG00000197150	0.811179	4.681404	7.000884	1.83E-06	9.23E-06	4.857671	4.981078	4.889442	5.11242	5.875441	6.173243	5.958972	5.81126	5.842522	5.88366	3.831846	3.70241	3.636224	4.097807	4.10615	4.14503	3.934535	3.779553	3.753014
SND1	ENSG00000197157	-0.11993	8.068086	-2.90583	0.009635	0.017079	-4.27692	8.601928	8.607025	8.641468	8.392815	8.465535	8.46524	8.659499	8.639093	8.666201	7.472409	7.472982	7.570329	7.477591	7.377405	7.480558	7.793897	7.764626	7.78371
ZNF785	ENSG00000197162	0.850775	-0.42812	12.08365	6.47E-10	1.34E-08	13.05494	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.196464	3.146729	3.203153	3.979357	4.011117	3.985412	3.415594	3.413359	3.487904
PSMD12	ENSG00000197170	-0.52404	7.355167	-15.2136	1.61E-11	8.76E-10	16.48858	7.472112	7.420868	7.410643	6.902998	6.800118	6.88904	7.084024	7.249704	7.252803	7.789135	7.763437	7.786059	7.261962	7.335332	7.302905	7.603624	7.600405	7.634682
MAGEA6	ENSG00000197172	-0.10109	4.60114	-1.88151	0.076666	0.108934	-6.01579	2.27083	2.49222	2.274882	2.548252	2.71237	2.581827	1.966276	2.069791	2.274723	7.292655	7.183841	7.318312	7.137906	7.107706	7.135548	7.155435	7.150491	7.193206
CH17-340N	ENSG00000197180	0.170179	1.338587	0.908471	0.375986	0.440624	-6.18886	1.990546	2.152784	2.351095	2.714828	2.490996	2.374422	2.01302	1.85606	1.826075	1.490718	1.300837	1.759838	1.573426	1.357245	1.390007	1.542275	1.442809	1.81044
MIRLET7BH	ENSG00000197182	0.383409	0.470505	1.843647	0.082257	0.115896	-4.89852	0.947665	1.226787	1.453818	1.104644	1.164793	1.188496	1.074544	1.367163	0.925731	0.88529	1.498542	1.305813	1.644349	1.528499	1.695314	1.214313	1.478665	1.504318
NOL4L	ENSG00000197183	0.916156	4.693587	18.40441	6.97E-13	8.63E-11	19.8275	4.416666	4.389636	4.222364	5.067404	5.212855	5.041937	4.079318	4.212157	4.17992	4.735102	4.699561	4.665597	5.696635	5.677811	5.598492	4.522885	4.559742	4.582581
CYSRT1	ENSG00000197191	0.321023	3.20986	1.899703	0.074101	0.105648	-5.77229	2.416107	2.49222	2.37563	0.934951	0.92021	1.367251	1.588238	1.658879	1.38134	4.977839	5.113047	5.40489	5.75121	5.672341	5.638396	5.501961	5.398901	5.246367
SLC22A4	ENSG00000197208	2.067463	3.141978	6.090908	1.06E-05	4.18E-05	3.394922	3.373632	3.248262	3.204003	5.90734	5.847955	5.911724	4.367093	4.349405	4.296723	2.100009	2.011405	2.136592	2.371704	2.127698	2.449456	2.384669	2.48331	2.06284
ENTPD4	ENSG00000197217	0.189673	6.383317	3.999896	0.000884	0.002031	-1.8061	6.34754	6.328431	6.347162	6.655706	6.463496	6.693385	6.073542	6.104921	6.181159	6.469154	6.502	6.393892	6.569879	6.576342	6.593489	6.398222	6.251582	6.271876
C1D	ENSG00000197223	-0.41313	4.577081	-5.91941	1.50E-05	5.64E-05	2.633986	4.640181	4.668265	4.621585	4.161901	4.284653	4.434292	4.889651	4.849227	4.860948	4.883704	4.908086	4.857431	4.344933	4.54975	4.448272	4.687772	4.676269	4.735671
TBC1D9B	ENSG00000197226	0.1984	7.816372	6.627556	3.71E-06	1.69E-05	3.661078	7.663143	7.686999	7.725981	7.862874	7.958398	7.917578	7.80455	7.707049	7.769769	7.767191	7.792376	7.785745	8.003424	7.960373	7.909816	7.863787	7.844521	7.79028
KANK2	ENSG00000197256	0.605197	6.423998	8.354105	1.64E-07	1.18E-06	7.007496	6.547407	6.514105	6.529047	6.895788	6.957206	6.741468	6.415526	6.427182	6.433574	5.873048	5.889343	5.946395	6.738746	6.744783	6.748219	6.20676	6.198814	6.144329
EIF4BP6	ENSG00000197258	-0.17564	0.929053	-1.06896	0.299629	0.361508	-5.98172	1.927307	1.915637	1.853768	1.888135	1.953662	1.422231	1.317361	1.760835	1.674905	1.646779	1.616737	1.360915	1.392977	1.681564	1.284217	1.058946	1.289746	1.222783
C6orf141	ENSG00000197261	-1.24434	0.47336	-10.1537	9.44E-09	1.13E-07	10.41115	0.41387	0.410755	0.323815	0.52061	0.25478	0.2349	0.269385	0.253663	0.256032	3.825326	3.7289	3.829308	2.55467	2.581279	2.689384	3.43152	3.476789	3.591857
GTF2E2	ENSG00000197265	-0.40287	5.92833	-7.08275	1.57E-06	8.07E-06	4.717563	5.879004	5.969649	6.054137	5.532858	5.411586	5.441817	5.566862	5.708593	5.735532	6.325233	6.2349	6.310622	6.004721	5.955131	5.960886	6.361285	6.368479	6.336153
RAD54B	ENSG00000197275	-1.81169	1.242311	-7.0899	1.55E-06	7.98E-06	5.448285	1.959273	2.039077	1.987129	1.393812	1.666451	1.526279	1.762502	1.809233	1.918715	2.510897	2.646894	2.522234	0.869014	0.7293	1.002253	2.154563	2.124453	2.14716
ZNF165	ENSG00000197279	-0.39307	1.575668	-3.16656	0.005491	0.010349	-2.76877	1.602421	1.744817	1.146821	1.256461	1.006428	1.310092	0.983587	1.367163	1.50602	2.918737	2.829342	3.210672	2.602951	2.770668	2.703134	2.855159	2.799093	2.84714
SYNGAP1	ENSG00000197283	0.655362	3.417367	6.561434	4.22E-06	1.88E-05	4.045839	2.833249	2.403106	3.217639	2.933382	2.904251	3.016392	3.004565	2.676938	2.471058	3.926269	4.035189	3.872611	4.709837	4.682664	4.684921	4.32821	4.348284	4.242679
FITM2	ENSG00000197296	0.069264	4.913738	0.975612	0.342567	0.406633	-7.05858	5.170492	5.144404	5.101429	5.180897	5.442845	5.215396	5.238424	5.083711	5.126746	4.960093	4.842882	4.83328	4.863895	4.850301	4.903135	4.537676	4.357943	4.488745
BLM	ENSG00000197299	-1.89697	3.438522	-7.0559	1.65E-06	8.42E-06	5.130954	3.476616	3.07157	3.24453	3.181227	3.033076	3.016392	3.555458	3.214961	3.218306	4.663802	4.860959	4.850228	2.542344	2.433888	2.312654	4.552316	4.776901	4.694231
ZNF720	ENSG00000197302	0.791075	3.976994	7.569704	6.44E-07	3.76E-06	6.000392	4.059241	4.217373	3.81026	4.540361	4.580048	4.480358	4.293266	4.670823	4.189248	3.226465	3.501964	3.225594	4.226655	4.385617	4.169997	3.877544	3.896833	3.969186
DDI2	ENSG00000197312	-0.35561	6.214714	-3.52964	0.002484	0.005096	-2.81275	6.165988	6.175382	6.17962	5.342348	5.266255	5.451761	6.138227	6.157275	6.081983	6.645134	6.632255	6.518021	6.543836	6.56851	6.524503	6.621167	6.641881	6.588208
SVIL	ENSG00000197321	0.894359	6.287536	14.4101	3.89E-11	1.65E-09	15.65426	6.06494	6.048899	6.074887	7.139902	7.100083	7.240251	6.29303	6.269636	6.399821	5.879356	5.889343	5.81197	6.604381	6.500165	6.518684	5.94631	5.912956	5.838909
TRIM33	ENSG00000197323	-0.21361	5.94777	-4.07686	0.000746	0.001746	-1.58274	5.954295	5.827051	5.882858	5.44865	5.565074	5.500479	5.777814	5.801241	5.842866	6.321763	6.22097	6.227819	6.105563	6.118254	6.26426	6.220575	6.235953	6.183125
LRP10	ENSG00000197324	0.577161	8.465508	6.56696	4.17E-06	1.87E-05	3.502249	7.743358	7.796576	7.835054	8.460347	8.470284	8.425424	8.838863	8.677079	8.773589	8.30537	8.365008	8.345168	8.86094	8.814728	8.832284	8.664444	8.661218	8.587727
PELI1	ENSG00000197329	1.39924	3.244716	9.773483	1.67E-08	1.81E-07	9.739578	1.642349	1.631689	1.453818	3.103249	3.033076	3.016392	2.908934	2.960209	3.044176	3.985951	3.981119	3.738597	5.056064	5.131167	5.123642	4.052512	4.221756	4.058989
ZNF655	ENSG00000197343	0.379778	5.800637	4.92143	0.00012	0.000346	0.304431	5.523064	5.523092	5.511583	5.848808	5.681033	5.751893	6.02305	6.048077	6.148055	5.587318	5.762057	5.570371	6.080206	6.074684	6.160946	5.835464	5.894824	5.870258
MRPL21	ENSG00000197345	-0.48656	6.009339	-8.85547	7.12E-08	5.95E-07	7.899706	6.072266	5.975457	5.988045	5.199754	5.458224	5.313181	5.672555	5.676339	5.670411	6.539555	6.566763	6.592576	6.220272	6.163149	6.279253	6.458728	6.386287	6.367248
UAP1L1	ENSG00000197355	0.627517	3.207004	4.684559	0.000199	0.000542	0.245858	2.218961	2.470453	2.326135	3.456785	3.772191	3.321269	2.981245	3.043491	2.616448	3.637124	3.554746	3.579277	3.95166	3.903166	3.86826	4.122857	3.955266	3.992166
ZNF786	ENSG00000197362	0.563559	3.865944	8.586346	1.11E-07	8.59E-07	7.756369	3.520128	3.222448	3.384088	3.955484	3.934936	3.786958	3.719464	3.633086	3.733845	3.962373	4.127684	3.824415	4.555854	4.416485	4.508238	4.442647	4.419196	4.286716
ZNF517	ENSG00000197363	-0.23505	3.051374	-2.59834	0.018457	0.030455	-4.18075	3.373632	3.260998	3.176339	2.518519	2.926537	3.016392	2.607661	2.848856	2.588518	3.637124	3.626949	3.674791	3.581798	3.453829	3.600863	3.516101	3.256961	3.421736
ZNF675	ENSG00000197372	0.230289	2.846365	2.452406	0.024959	0.039979	-4.52637	2.19231	2.258179	1.987129	2.181668	1.953662	1.956998	2.186178	2.481727	2.202855	3.926269	3.830249	4.132188	4.264669	4.259953	4.261115	3.859998	3.765107	3.831562
SLC22A5	ENSG00000197375	-0.4755	4.973584	-10.0029	1.18E-08	1.36E-07	9.951015	5.975942	5.981241	6.031155	5.464331	5.462043	5.464914	5.531176	5.650007	5.537947	4.561593	4.532919	4.665597	4.191564	4.195307	4.27499	4.306784	4.357943	4.280507
ADARB1	ENSG00000197381	-0.13469	5.443802	-2.28442	0.035094	0.054171	-5.036	7.027139	7.062806	7.107935	6.993586	7.023321	6.976593	7.400917	7.370541	7.371258	3.798946	3.970058	3.982106	3.611602	3.591587	3.707028	3.940112	4.011424	4.115895
ZNF860	ENSG00000197385	0.454754	0.836079	2.449035	0.025132	0.04022	-4.5412	0.587539	0.582935	0.598525	0.106501	0.389229	0.3528	0.106501	0.106501	0.39151	3.723813	3.842432	3.549937	4.25337	4.210485	4.184772	4.485232	4.323851	4.255399
HTT	ENSG00000197386	0.083605	7.261778	1.972708	0.064561	0.093535	-6.0209	7.216761	7.231642	7.246577	7.295924	7.322258	7.430773	7.261476	7.09847	7.205318	7.316678	7.388267	7.163714	7.347253	7.327233	7.341328	7.315794	7.188202	7.189068
C5AR1	ENSG00000197405	0.710622	2.831483	3.036884	0.00727	0.0133	-3.03837	3.349713	3.57841	3.489013	3.80351	3.808643	3.848471	4.393833	4.290959	4.339245	2.01088	1.989662	1.73919	3.039964	2.784257	2.870883	2.034568	2.078458	1.877799
DCHS2	ENSG00000197410	2.487288	-0.6457	13.08621	1.83E-10	5.08E-09	13.86862	0.106501	0.106501	0.219246	0.635873	0.512209	0.563119	0.106501	0.253663	0.106501	1.278001	1.335727	1.219002	3.181815	3.077028	2.976553	1.948641	1.82352	1.942153
VEPH1	ENSG00000197415	0.596213	-0.39478	1.800331	0.089092	0.124478	-4.89885	0.667115	0.499412	1.202741	0.52061	0.92021	0.909432	0.269385	0.509405	0.256032	1.073118	0.640699	1.126631	1.365252	1.320413	1.456457	1.177011	1.072305	1.665483
SHPK	ENSG00000197417	-0.2821	1.866254	-1.87402	0.077744	0.11029	-5.09337	2.416107	2.425906	2.079636	2.103714	2.155834	2.581827	2.376953	2.451551	2.239236	2.527059	2.011405	2.30059	1.878105	1.993753	1.876113	2.494877	2.030948	2.226823
IPP	ENSG00000197429	-0.22156	3.534223	-2.76254	0.013072	0.022422	-3.86904	4.081197	4.14364	4.174224	3.70135	3.656958	3.9455	3.916741	3.90213	3.879258	3.479955	3.414909	3.613714	3.513977	3.329589	3.445943	3.152846	3.215061	3.328509
MAP3K5	ENSG00000197442	0.257281	4.157053	2.335541	0.031662	0.049372	-4.89553	3.96004	4.036608	4.080323	4.674482	4.65537	4.798728	4.225415	4.166444	4.243986	4.217694	4.394983	4.317702	4.191564	4.307781	4.184772	4.083081	3.876817	3.897964
GSTK1	ENSG00000197448	0.557253	6.947196	4.497183	0.000298	0.000776	-0.76864	6.957628	6.951322	6.951481	7.121476	7.125591	7.074234	6.790671	6.818617	6.855875	6.779372	6.754944	6.816676	7.679636	7.665926	7.702563	6.335067	6.422408	6.470408
HNRNPAB	ENSG00000197451	-0.36754	8.246714	-5.42162	4.16E-05	0.000138	1.154064	8.335449	8.369317	8.374845	8.213643	8.281645	8.214324	8.358352	8.346498	8.300844	8.403836	8.368698	8.422279	7.79453	7.806152	7.838805	8.398086	8.315802	8.387059
STMN3	ENSG00000197457	0.624036	4.386236	3.725633	0.001615	0.003468	-1.94113	4.744758	4.609725	4.763138	5.452586	5.589722	5.477948	5.272444	5.319175	5.287386	3.113269	3.241771	3.393562	3.629193	3.544454	3.600863	4.458278	4.609106	4.341429
PDGFA	ENSG00000197461	-0.02814	2.877117	-0.20108	0.842956	0.86989	-6.92501	3.810347	3.7953	3.736403	3.740513	3.901574	3.711713	3.539581	3.550079	3.543305	2.356666	2.135404	2.546206	2.385571	2.250257	2.312654	2.843302	2.799093	2.649309
ZNF695	ENSG00000197472	-2.41032	1.260611	-8.78171	8.03E-08	6.59E-07	8.304916	1.791852	1.708084	1.853768	1.104644	0.625525	1.250575	1.648695	1.988058	0.833554	3.275122	3.023743	3.172678	0.945898	1.16289	1.17005	2.890155	2.568968	2.928814
PCDHB11	ENSG00000197479	3.230187	1.624709	11.80306	9.35E-10	1.82E-08	12.43341	1.069823	1.002471	1.088647	4.236852	3.784444	4.202668	2.637802	2.801791	2.501332	1.073118	1.435603	0.639567	2.479079	2.533802	2.821313	1.419885	1.547811	1.942153
ZNF628	ENSG00000197483	-0.03008	2.421227	-0.23173	0.81944	0.850367	-6.956	2.19231	2.403106	2.326135	2.021307	2.686486	2.258349	2.545421	2.420731	2.274723	2.620402	3.116952	3.141546	3.02232	2.743101	3.010124	3.39137	3.193646	2.975687
SLC2A10	ENSG00000197496	1.187726	0.269795	6.790497	2.72E-06	1.29E-05	4.834325	0.216396	0.410755	0.106501	0.635873	0.25478	0.657796	0.415731	0.387194	0.39151	2.263275	2.388995	2.355887	3.251622	3.38415	3.206318	2.878584	3.104657	2.863849
ZNF665	ENSG00000197497	-0.30827	-0.9247	-2.54052	0.020814	0.033942	-3.95423	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.943032	2.935512	2.816411	2.55467	2.671787	2.433049	2.300453	2.680939	2.668457
RPF2	ENSG00000197498	-0.4479	6.207905	-7.17977	1.31E-06	6.92E-06	4.880061	6.1677	6.279197	6.172636	5.730596	5.671168	5.646163	6.384753	6.411592	6.254089	6.550467	6.459131	6.639292	6.207642	6.154019	6.12437	6.441136	6.388645	6.427498
MIB2	ENSG00000197530	0.608901	3.902336	5.419224	4.18E-05	0.000138	1.730433	3.952119	4.058659	4.153091	4.199863	4.376555	4.178918	4.090259	4.019913	4.112876	3.358771	3.423044	3.70172	4.486773	4.344933	4.237689	3.923315	3.698248	3.707454
MYO5A	ENSG00000197535	0.089635	6.079951	0.963953	0.348218	0.412447	-7.27044	6.165988	6.241136	6.196933	6.225234	6.198646	6.372415	5.985453	5.981	5.770134	5.943981	5.985857	5.847371	6.043504	5.95963	6.11025	6.287732	6.225439	6.295162
IRF1-AS1	ENSG00000197536	0.25427	1.475884	2.083565	0.052172	0.077349	-4.93959	1.18244	1.173893	1.30847	1.182548	1.2379	1.123626	1.317361	0.915275	0.629397	2.918737	3.076267	2.724859	3.205461	3.320292	2.99902	2.878584	2.770449	3.006111
ATG7	ENSG00000197548	-0.45792	4.937831	-4.88461	0.000129	0.000371	0.355244	5.460225	5.469231	5.402389	4.778495	4.635214	4.592471	4.980658	4.657666	4.726452	5.115138	5.019578	5.214204	4.950405	4.938017	4.863891	5.057193	4.917433	4.977487
SIPA1L1	ENSG00000197555	-0.02026	5.495625	-0.32499	0.749046	0.790506	-7.66976	4.937612	4.95753	5.006431	4.584077	4.782991	4.604407	4.348988	4.357565	4.420702	6.421317	6.390266	6.424122	6.533753	6.515522	6.511865	6.297541	6.277259	6.252972
TTC30A	ENSG00000197557	0.504576	3.880337	6.961462	1.97E-06	9.82E-06	4.80048	3.487617	3.888531	3.678418	4.122913	4.071202	4.28655	3.602068	3.477062	3.513908	4.020609	4.092415	3.891447	4.404034	4.429515	4.577054	3.906321	4.059571	4.143528
SSPOP	ENSG00000197558	0.890974	0.155148	2.204466	0.041157	0.062428	-4.0873	3.385444	3.057038	3.648527	3.966538	4.1957	4.202668	3.19904	3.196885	3.498982	0.269074	0.106501	0.16959	0.234608	0.26996	0.404558	0.106501	0.2791	0.409347
RAB40C	ENSG00000197562	0.362925	4.712484	5.865472	1.67E-05	6.20E-05	2.49157	4.645102	4.673038	4.701394	4.898777	5.133653	4.894191	4.877071	4.784126	4.795267	4.382206	4.620414	4.47583	4.72355	4.934974	5.000996	4.808549	4.721863	4.7671
PIGN	ENSG00000197563	0.439388	4.471372	7.473545	7.66E-07	4.36E-06	5.784812	5.156772	5.130591	5.141325	5.565938	5.442845	5.663381	5.498697	5.543171	5.424038	3.536933	3.398501	3.495574	3.825085	3.952144	3.916269	3.651445	3.72088	3.840032
COL4A6	ENSG00000197565	0.448358	2.105401	2.895022	0.009861	0.017444	-2.85359	9.051231	9.014422	9.010466	9.464246	9.449696	9.527538	9.238578	9.164215	9.204608	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZNF624	ENSG00000197566	0.514441	2.262398	4.357246	0.000404	0.001015	-0.16902	2.505419	2.55562	2.739267	3.06262	2.57804	2.885561	2.832807	2.728183	2.723053	1.940223	2.355385	1.986992	2.649667	2.627242	2.661487	2.283004	2.429363	2.374055
HHLA3	ENSG00000197568	0.071214	3.298927	1.077993	0.29569	0.357302	-6.68853	3.142584	3.057038	3.090013	2.97776	3.033076	3.231764	2.724622	2.777669	2.748518	3.968304	3.824119	4.124247	4.037603	4.154036	4.046009	3.7814	3.620134	3.797179
TOPORS	ENSG00000197579	-0.10309	4.844873	-1.23467	0.233295	0.290101	-6.75911	4.973272	5.055819	4.950366	5.046722	4.871804	5.019826	5.173034	5.146277	5.18386	4.816256	5.061869	4.895252	4.718081	4.653345	4.860827	4.591826	4.656838	4.461559
GPX1P1	ENSG00000197582	0.310934	2.723406	1.480504	0.15654	0.204307	-5.90124	2.917019	3.260998	3.309643	3.142765	3.329147	2.629332	3.137083	2.871824	3.254305	1.98771	2.618839	2.786535	3.02232	3.375198	2.846311	3.181381	2.854728	2.419973
ENTPD6	ENSG00000197586	-0.3812	7.716128	-5.15558	7.27E-05	0.000223	0.633345	8.008816	8.012488	8.091688	7.828452	7.862683	7.818586	8.228824	8.118827	8.140579	7.529679	7.443295	7.551208	7.012261	6.918114	6.950527	7.888517	7.792495	7.826426
ENPP1	ENSG00000197594	0.408029	1.824299	2.021044	0.058865	0.086106	-4.74718	2.649532	2.534795	2.514675	3.21869	3.053471	3.103073	3.094248	3.491964	3.357206	1.490718	1.498542	1.780195	1.365252	1.710321	1.639204	1.286141	1.289746	1.58715
FAR1	ENSG00000197601	-0.24273	5.605652	-3.87735	0.001157	0.002569	-1.9299	5.934331	5.860909	5.980067	5.910205	5.833285	5.827671	6.202659	5.986272	5.91773	5.447841	5.489323	5.448471	5.04081	5.093459	5.071593	5.382106	5.480747	5.557523
CPLANE1	ENSG00000197603	0.544312	4.327274	4.288491	0.00047	0.001158	-0.82852	4.473109	4.418344	4.453135	4.694564	4.594038	4.616245	4.321396	4.664259	4.490278	4.125171	4.242453	4.067404	4.91976	4.894826	4.917949	3.865871	3.842828	3.641153
ZNF841	ENSG00000197608	-0.51413	3.716825	-4.27256	0.000486	0.001196	-0.86697	2.668993	2.674627	2.812981	3.041869	2.85862	3.200652	2.806512	2.511284	2.892531	5.240498	5.212608	5.037335	4.601127	4.235431	4.580783	4.905811	5.080907	5.063177
ZNF615	ENSG00000197619	1.211812	2.723512	13.21661	1.56E-10	4.56E-09	14.44006	1.755904	2.068355	1.921989	2.740812	2.71237	2.719893	2.779728	2.676938	2.869505	2.635389	2.727926	2.7037	3.629193	3.952144	3.939687	3.717885	3.942484	3.779675
EOLA1	ENSG00000197620	0.296306	3.940511	4.505134	0.000293	0.000764	-0.24426	4.081197	3.8803	3.931056	4.333937	4.400635	4.351728	3.928981	4.119235	4.305329	3.818776	3.811781	3.839044	4.011012	3.987816	4.035179	4.026533	3.93605	3.840032
CDC42SE1	ENSG00000197622	-0.00531	8.109914	-0.07118	0.944063	0.953975	-7.92666	8.003077	8.01437	7.944168	8.282706	8.243875	8.324408	8.40346	8.394872	8.343767	8.077784	8.131793	8.06051	7.798423	7.8024	7.814864	8.111878	8.15924	8.164898
SERPINB2	ENSG00000197632	-0.81911	1.378047	-3.29621	0.004141	0.008029	-2.03326	6.016387	5.877545	5.803703	5.209091	5.079986	5.114677	6.646169	6.581449	6.704711	0.269074	0.259702	0.230035	0.234608	0.106501	0.106501	0.326864	0.358227	0.315289
DPP4	ENSG00000197635	0.734839	0.468316	2.918779	0.009372	0.016652	-3.0766	0.216396	0.316291	0.323815	0.742604	0.828511	0.461789	1.240874	0.824004	0.925731	2.163418	2.074736	2.447834	2.638129	2.743101	2.559363	2.568742	2.101639	2.174206
PDCD1LG2	ENSG00000197646	-0.93768	1.287915	-4.55974	0.00026	0.000688	0.492321	2.867343	2.9974	2.933559	2.181668	1.864131	2.064596	2.884002	2.871824	2.471058	1.278001	1.265082	1.219002	0.745413	0.888753	1.209118	1.13872	1.851139	1.273688
ZNF433	ENSG00000197647	0.707237	-1.11808	5.30792	5.28E-05	0.000169	1.936961	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.98771	2.095243	2.328504	2.626498	2.714997	2.95373	1.992244	2.146913	2.374055
SPTAN1	ENSG00000197694	0.242317	8.328725	4.307278	0.000451	0.001118	-1.26913	8.572198	8.494916	8.582421	8.92368	8.9116	8.988816	8.721945	8.607796	8.733901	8.011123	8.047155	7.851552	8.068269	8.004941	8.098174	7.771391	7.788483	7.825893
NMB	ENSG00000197696	0.061574	3.002251	0.40773	0.688422	0.736458	-7.0386	2.688195	3.142112	2.982302	2.457149	2.549605	2.132113	3.258446	2.916694	3.357206	3.265521	3.241771	3.495574	3.629193	3.759216	3.665494	3.685048	3.636099	3.519884
PARVA	ENSG00000197702	-0.41265	4.970409	-6.03708	1.18E-05	4.60E-05	2.904337	6.234531	6.349454	6.320555	5.904469	5.754503	5.770552	6.048517	6.114582	5.937239	4.151473	4.061483	4.04234	3.865227	3.890658	3.767168	4.01601	4.100421	4.216898
FAM114A1	ENSG00000197712	0.554286	5.770312	6.608587	3.85E-06	1.74E-05	3.889325	6.590142	6.689226	6.61141	7.212496	7.254506	7.210299	6.454151	6.393849	6.439449	4.521821	4.627471	4.63239	5.018734	5.10974	5.115953	4.888608	4.776901	4.930673
RPE	ENSG00000197713	-0.30712	6.075893	-6.93724	2.06E-06	1.02E-05	4.440253	6.232898	6.346469	6.340946	6.102842	5.970993	6.053425	6.288287	6.454066	6.31288	6.010153	6.06076	6.160501	5.702186	5.826412	5.709941	6.116053	6.017209	6.059839
ZNF460	ENSG00000197714	-0.38239	1.602555	-3.02013	0.007538	0.013724	-3.04371	1.475543	1.465573	1.667608	1.393812	1.307481	1.188496	1.240874	1.710758	1.727075	3.0698	3.096753	2.735323	2.614772	2.581279	2.675503	2.524879	2.33471	2.507643
PHF2	ENSG00000197724	-0.33917	6.065173	-5.17569	6.97E-05	0.000215	0.82474	6.416805	6.349454	6.498653	5.694487	5.902377	6.027064	6.177231	6.284691	6.323509	6.004393	6.014403	6.06002	5.860749	5.929373	5.816561	6.050532	6.100116	6.065267
RPS26	ENSG00000197728	-0.12792	7.841745	-4.45686	0.000325	0.00084	-0.90878	8.156152	8.124747	8.109626	7.994246	7.974531	8.035227	8.11223	8.143222	8.11511	7.719202	7.644547	7.653717	7.498479	7.547911	7.591444	7.58639	7.622611	7.640754
PSAP	ENSG00000197746	0.319385	10.37267	5.624576	2.74E-05	9.47E-05	1.46593	10.87987	10.84268	10.85938	11.10098	11.11042	11.0575	10.9574	10.92833	10.94854	9.755525	9.652077	9.695002	10.11176	10.09688	10.12848	9.539451	9.535362	9.530689
S100A10	ENSG00000197747	-0.23663	8.449848	-2.09573	0.050954	0.075715	-5.89541	8.575102	8.600464	8.558175	7.845766	7.913776	7.837672	8.188665	8.239082	8.24155	8.500365	8.524726	8.532322	8.605194	8.73388	8.732321	8.852708	8.865254	8.828863
RPL37A	ENSG00000197756	-0.01469	9.245396	-0.37746	0.710373	0.757232	-7.92655	9.379188	9.358473	9.363331	9.432711	9.453059	9.333682	9.533057	9.541901	9.549232	9.104658	9.09474	8.94828	8.893453	9.033194	9.022669	9.086928	9.109588	9.223759
TXNRD3	ENSG00000197763	0.935761	2.381267	4.95433	0.000111	0.000326	1.098312	2.90065	2.513665	2.514675	3.020814	2.881616	2.763128	3.178682	2.981485	2.981126	1.940223	1.8028	1.951531	3.228726	2.974074	3.096004	2.317694	2.465551	2.326628
CFD	ENSG00000197766	1.242672	2.611636	3.963545	0.000957	0.002179	-1.01323	2.815895	3.012542	3.309643	4.510463	4.733289	4.531264	3.050103	3.446787	3.528681	1.199504	1.989662	1.986992	1.99126	2.039797	2.276326	2.75746	2.649824	2.252429
MCMBP	ENSG00000197771	-0.55095	6.883639	-10.4411	6.19E-09	8.03E-08	10.38551	7.499545	7.530781	7.491443	7.111553	7.106197	7.081724	7.446331	7.451865	7.484514	6.65436	6.680555	6.635806	6.017022	5.941552	5.955152	6.705452	6.658586	6.697111
EME2	ENSG00000197774	-0.03576	4.819173	-0.30646	0.762876	0.802974	-7.49396	5.259834	5.288212	5.503257	4.753186	4.807214	4.965334	4.889651	4.722281	4.687485	4.641707	4.842882	4.615496	5.081845	5.006281	5.003776	4.591826	4.547132	4.488745
ZNF81	ENSG00000197779	0.91746	3.514358	6.551779	4.30E-06	1.91E-05	4.146986	2.815895	2.49222	2.720234	3.791129	3.796595	3.59692	4.19533	4.273815	4.05282	3.349712	3.470912	3.247691	4.122859	4.073319	3.880413	3.940112	4.071361	3.797179
TAF13	ENSG00000197780	-0.2144	5.79736	-5.36686	4.67E-05	0.000152	1.248297	5.881091	5.839841	5.703085	5.583994	5.57216	5.619944	5.639419	5.669801	5.690258	6.10741	6.051607	6.138002	5.836975	5.910909	5.930525	5.818911	5.881493	5.958469
ZNF780A	ENSG00000197782	0.935129	3.69621	10.52051	5.51E-09	7.37E-08	10.87633	3.337603	3.128277	3.119366	4.020568	3.988879	4.170914	3.879385	4.230044	4.073118	3.349712	3.509623	3.225594	4.097807	4.269646	4.25179	3.894879	3.876817	4.190648
ATAD3A	ENSG00000197785	-0.43155	5.832438	-5.69329	2.38E-05	8.37E-05	1.93316	5.845187	5.811984	5.992018	5.502803	5.735694	5.532066	5.535185	5.435516	5.570437	6.116785	6.226791	6.449765	5.773793	5.77969	5.736926	6.153743	6.217503	6.043431
FAM118B	ENSG00000197798	0.379709	4.374556	7.746448	4.70E-07	2.87E-06	6.185931	3.827767	3.983805	3.897563	4.502891	4.267295	4.365821	4.205428	4.138304	4.22597	4.529864	4.5846	4.621149	4.883573	4.916583	4.851597	4.736662	4.747809	4.753714
ZNF461	ENSG00000197808	0.620072	2.800584	7.065766	1.62E-06	8.29E-06	5.198476	2.19231	2.152784	2.248556	2.359902	2.549605	2.865864	2.545421	2.938616	2.82232	3.08079	3.21391	3.068941	3.773284	3.637228	3.713835	3.567454	3.765107	3.814473
SLC9A8	ENSG00000197818	0.274803	5.062027	4.048906	0.000794	0.001844	-1.51319	4.702888	4.817982	4.840087	5.268353	5.305047	5.387592	4.857993	4.944392	4.825493	5.269607	5.283572	5.232786	5.431803	5.303845	5.283183	5.072509	5.045483	5.044977
OCLN	ENSG00000197822	0.542002	2.702218	6.910164	2.17E-06	1.07E-05	4.563085	0.947665	1.061904	0.598525	0.635873	0.625525	1.123626	0.886508	1.082132	1.0941	5.544294	5.52755	5.440499	6.140739	6.015426	6.032063	5.64883	5.726088	5.552378
ZNF181	ENSG00000197841	0.511349	3.198549	5.085023	8.44E-05	0.000254	1.192569	3.397161	3.196163	3.371944	3.740513	3.394558	3.445903	3.602068	3.477062	3.708117	2.804042	2.877496	2.974933	3.513977	3.41941	3.68641	3.31616	3.2466	3.228839
SLC22A20F	ENSG00000197847	-0.71615	-0.49368	-2.69311	0.015134	0.02554	-3.48959	0.216396	0.316291	0.219246	0.106501	0.106501	0.461789	0.548589	0.106501	0.256032	2.224158	2.42184	2.136592	1.689764	1.766169	1.610309	2.866919	3.022017	2.464474
INKA2	ENSG00000197852	-0.42002	1.577836	-2.41844	0.026756	0.042487	-4.17326	1.519087	1.670392	1.406977	1.888135	1.909591	1.799787	1.816207	1.430416	1.445026	2.856146	2.516115	2.714318	2.145912	2.039797	1.947161	2.597261	2.48331	2.350536

ZNF44	ENSG00000197857	0.008915	1.725266	0.07235	0.943145	0.953454	-6.92931	1.18244	1.631689	1.358564	1.791994	1.498102	1.475193	1.240874	1.658879	1.38134	3.155466	2.912585	2.786535	2.791825	2.784257	3.042931	2.611312	2.972579	2.880366
GPAA1	ENSG00000197858	0.599972	7.68585	6.821482	2.56E-06	1.23E-05	4.042775	6.726412	6.760469	6.813498	7.784626	7.770211	7.704002	7.331152	7.177797	7.291214	7.946875	7.923233	8.047448	8.294589	8.243119	8.265914	8.184455	8.171958	8.047764
SGTB	ENSG00000197860	0.298808	2.851007	2.281878	0.035273	0.054395	-4.61624	3.337603	3.169391	3.148134	3.06262	3.329147	3.086148	3.555458	3.477062	3.271973	2.763691	2.516115	2.53427	3.039964	3.233802	3.096004	2.77004	2.601856	2.896697
ZNF790	ENSG00000197863	0.414762	2.255112	4.488435	0.000304	0.00079	0.048848	1.990546	2.039077	1.921989	2.325974	2.429905	2.029614	2.446718	2.540248	2.087859	2.605258	2.753956	2.546206	2.930712	3.077028	3.021143	3.113899	3.009816	3.035906
PRB3	ENSG00000197870	-0.28168	-1.7295	-1.37902	0.185281	0.236763	-5.49746	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.457372	1.300837	1.538714	1.218025	1.393161	1.129895	1.681967	1.118494	1.546329
MYO1C	ENSG00000197879	0.451134	7.783886	6.663894	3.46E-06	1.59E-05	3.746309	8.123462	8.115134	8.196542	8.371663	8.47832	8.364439	7.934685	7.932709	7.94313	7.120273	7.103238	7.127429	7.807787	7.723486	7.738057	7.451825	7.346975	7.358547
NKIRAS1	ENSG00000197885	-0.30424	3.874204	-3.53337	0.002464	0.005059	-2.31098	4.615318	4.538284	4.492928	4.333937	4.240862	4.226032	4.411387	4.332946	4.198517	3.751589	3.478738	3.914651	3.259174	3.470735	3.637126	3.61006	3.431768	3.650813
KIF13B	ENSG00000197892	0.22715	4.308851	2.829487	0.01134	0.019745	-4.01869	3.836399	3.920993	4.011539	4.082842	4.13	4.194794	3.941119	4.060466	3.990155	4.832603	4.896447	4.781207	4.931624	5.13912	5.076884	4.302461	4.338561	4.467038
NRAP	ENSG00000197893	-1.37235	0.08873	-3.18209	0.005309	0.010028	-2.23623	4.683882	4.517206	4.611291	3.376187	3.053471	3.168853	4.235306	3.946081	3.979442	0.190076	0.259702	0.16959	0.106501	0.345231	0.263213	0.106501	0.106501	0.214669
ADH5	ENSG00000197894	-0.14273	6.942817	-1.38542	0.183352	0.234445	-6.8878	6.888753	7.010028	6.807875	6.418735	6.278786	6.381113	6.854629	6.997657	6.937022	7.153837	7.105135	7.108938	7.324487	7.273447	7.26227	7.107913	7.073443	7.208822
H2BC12	ENSG00000197903	0.304808	6.366438	4.502152	0.000295	0.000769	-0.71292	5.761547	5.885792	5.8172	5.821673	5.812494	5.746517	5.701383	5.743259	5.706591	6.750411	6.718229	6.84292	7.30501	7.270433	7.245925	6.973638	6.906605	6.939043
TEAD4	ENSG00000197905	-0.28984	4.555745	-2.27131	0.036028	0.055385	-5.04568	5.346988	5.263109	5.41428	4.740363	4.607895	4.549901	5.162706	5.206241	4.99996	4.103779	4.056262	4.257266	4.319876	4.220515	4.364231	4.361843	4.071361	4.136669
SPG7	ENSG00000197912	-0.14667	6.314884	-2.27169	0.036	0.055349	-5.36784	7.157717	7.229213	7.174121	6.904436	6.890752	6.812646	6.548402	6.620963	6.704711	5.847534	5.906851	5.737147	5.852036	5.828053	5.940717	5.616106	5.599495	5.661529
NBEAP2	ENSG00000197927	-0.12251	-0.06781	-0.63545	0.533366	0.594703	-6.3126	0.41387	0.736739	0.512639	0.635873	0.512209	0.2349	0.548589	0.726566	0.629397	1.676063	1.777644	1.653508	1.548989	1.738515	1.775589	1.542275	1.737342	1.81044
ZNF677	ENSG00000197928	0.218749	0.837965	4.300979	0.000457	0.001131	-0.91177	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.795112	5.853677	5.726697	5.950944	5.956632	6.094687	5.979187	6.027836	6.20296
ERO1A	ENSG00000197930	-0.15185	7.465144	-2.18166	0.043055	0.065016	-5.67255	6.851978	6.888074	6.882534	7.080093	6.911849	7.069936	7.24566	7.329649	7.267189	7.876875	7.994564	7.947769	7.521426	7.590105	7.584497	8.157178	8.131704	8.200688
ZNF823	ENSG00000197933	-0.18589	1.349676	-1.08582	0.292309	0.353786	-6.3019	0.742531	1.465573	0.679585	1.578054	1.2379	1.367251	1.160105	0.915275	1.01237	3.145032	3.013005	2.948194	2.661114	2.714997	2.574402	2.583072	2.726388	2.649309
ZNF311	ENSG00000197935	-0.30146	0.421938	-1.41894	0.173504	0.223236	-5.83104	0.947665	0.875715	1.028027	0.395333	0.512209	0.830331	0.415731	0.106501	0.515351	2.620402	2.469748	2.615819	2.24051	2.612083	2.465679	2.034568	2.101639	2.326628
ZNF347	ENSG00000197937	-0.00546	2.569978	-0.06164	0.95155	0.959907	-7.39671	1.235614	1.061904	1.358564	0.742604	1.2379	0.657796	1.240874	1.605065	1.314712	4.99537	5.000678	4.850228	5.009808	4.985845	4.972896	4.942395	4.927198	4.965925
PLCG2	ENSG00000197943	-0.86221	3.067108	-9.21583	3.98E-08	3.68E-07	8.92655	3.408783	3.248262	3.489013	2.864145	2.605925	2.697781	2.806512	3.023117	2.77354	3.882973	3.748453	3.834184	3.100071	2.850343	3.042931	3.552967	3.667508	3.761956
FCHSD1	ENSG00000197948	0.174734	4.37966	1.478499	0.15707	0.204923	-6.4541	4.345883	4.12982	4.138828	3.674639	3.574682	3.655458	3.539581	3.564249	3.628063	4.942125	5.069663	5.052059	5.570287	5.415021	5.424752	4.700972	4.971913	4.849107
ZNF71	ENSG00000197951	0.0382	3.932885	0.557837	0.584031	0.641798	-7.24841	3.65311	3.58855	3.863273	3.425084	3.546181	3.632327	3.33403	3.40015	3.655245	4.323269	4.54415	4.503642	4.630539	4.604394	4.500385	4.450484	4.482376	4.45054
S100A6	ENSG00000197956	-0.60139	9.774938	-6.4394	5.35E-06	2.31E-05	3.173024	10.37135	10.36016	10.35792	9.608821	9.654455	9.536911	9.740214	9.836025	9.814824	9.77437	9.742305	9.662301	9.208402	9.341663	9.300181	9.841094	9.872038	9.957295
RPL12	ENSG00000197958	-0.17513	9.759051	-3.07958	0.00663	0.012259	-4.04045	9.908274	9.896715	9.87043	9.486494	9.54032	9.491438	9.776227	9.807644	9.837064	9.779966	9.748286	9.673737	9.685549	9.795286	9.768895	9.806781	9.861679	9.95924
DNM3	ENSG00000197959	-0.18655	4.482916	-0.83579	0.414556	0.479613	-7.29658	4.553837	4.733688	4.606117	2.887595	2.193078	2.402038	2.01302	2.568641	2.274723	6.30194	6.272527	6.24897	6.516527	6.462627	6.559881	5.44622	5.451724	5.513196
ZNF121	ENSG00000197961	-0.65273	4.915726	-11.4369	1.53E-09	2.61E-08	12.03306	5.525735	5.455446	5.573871	4.845887	4.795153	4.745826	5.262806	5.188055	5.18386	5.1779	5.090242	4.95467	4.47385	4.545767	4.523816	4.619897	4.641102	4.780362
MPZL1	ENSG00000197965	0.552261	7.072939	8.984254	5.78E-08	5.01E-07	8.056163	7.426389	7.503575	7.457367	8.203752	8.198237	8.235585	7.736541	7.727655	7.68411	6.244453	6.218635	6.197867	6.535309	6.53675	6.548502	6.365436	6.396867	6.322618
VPS13A	ENSG00000197969	0.033808	5.576879	0.414021	0.683895	0.732	-7.58115	5.866415	5.787985	5.914599	5.5623	5.651233	5.954316	5.697811	5.695778	5.640119	5.493793	5.677882	5.229089	5.592876	5.606937	5.677227	5.278052	5.209172	5.411738
MBP	ENSG00000197971	-0.03876	6.611901	-0.17601	0.862308	0.88652	-7.6898	7.511722	7.556191	7.53498	8.182579	8.112749	8.15063	8.189302	8.224657	8.24826	5.826467	5.776414	5.799558	4.750591	4.797675	4.688381	5.380055	5.309644	5.394592
ELOVL2	ENSG00000197977	1.30469	-0.65051	3.978141	0.000927	0.00212	-0.59973	3.236881	3.042358	2.865896	4.464421	4.43213	4.407292	3.352323	3.724251	3.572114	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
GOLGA6L9	ENSG00000197978	0.274577	1.882389	1.940656	0.068605	0.098632	-5.07516	1.519087	1.708084	1.853768	1.840866	2.078331	1.757653	2.480375	1.901414	1.873138	2.589954	2.453955	2.473063	2.542344	2.770668	2.883013	2.384669	2.568968	2.944608
C1orf122	ENSG00000197982	0.335703	5.146889	3.574641	0.00225	0.004664	-2.54698	5.111261	5.381559	5.37527	5.499001	5.607073	5.268872	5.060712	5.043815	5.102264	4.685565	4.872886	5.0331	5.250459	5.357098	5.40175	5.321433	5.075063	4.95427
SNHG12	ENSG00000197989	0.299286	3.514189	4.224907	0.00054	0.001313	-0.86649	3.385444	3.209365	3.296854	3.273122	3.260629	3.472196	2.908934	3.023117	3.181386	4.026306	4.029873	4.09204	4.35554	4.407733	4.531543	3.787601	3.659719	3.725851
NOL8	ENSG00000198000	-0.26295	6.138376	-5.57452	3.03E-05	0.000104	1.66583	6.543459	6.535229	6.56416	6.154502	6.140251	6.267477	6.364618	6.34544	6.271759	6.131394	5.994071	6.005947	5.824304	5.855668	5.940717	5.925374	5.93248	6.077854
IRAK4	ENSG00000198001	0.498941	3.867091	4.408817	0.000361	0.00092	-0.4486	3.541402	3.695626	3.65856	4.681208	4.335505	4.512384	3.774765	4.070428	4.112876	3.812196	3.913441	3.886761	3.90909	4.089828	4.134921	3.685048	3.822043	3.788453
MRPL42	ENSG00000198015	0.354312	6.250928	5.968861	1.36E-05	5.19E-05	2.481513	5.914086	5.891946	5.778624	6.33805	6.302412	6.223654	6.695365	6.831855	6.676797	6.010153	5.927012	6.01349	6.25751	6.251401	6.292956	6.503676	6.422408	6.543533
ENTPD7	ENSG00000198018	-0.24645	4.433852	-1.75042	0.097579	0.134933	-5.89746	5.220808	5.331118	5.251481	5.320976	5.338674	5.384134	4.819063	4.747338	4.732845	4.192583	4.152359	4.132188	3.507651	3.393046	3.754018	4.132632	3.822043	3.937965
ZNF335	ENSG00000198026	-0.22806	5.192897	-4.07534	0.000749	0.001751	-1.44482	5.49062	5.427474	5.628485	5.087795	5.287935	5.298562	5.243334	5.293887	5.451432	5.159875	5.130539	5.147212	4.982695	4.938017	5.020346	5.215041	5.184958	5.214151
ZNF560	ENSG00000198028	0.309832	-0.81682	3.590524	0.002173	0.004528	-1.83131	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.736149	2.714733	2.756026	2.921223	2.950162	3.116699	2.666185	2.854728	2.912845
RPS4X	ENSG00000198034	-0.0669	10.02911	-2.24239	0.038169	0.05839	-5.71297	10.5378	10.51455	10.4844	10.41605	10.37757	10.38272	10.40413	10.40242	10.41489	9.718839	9.659089	9.601308	9.5966	9.659372	9.682176	9.538532	9.560284	9.600113
ZNF273	ENSG00000198039	-0.96395	2.184749	-5.19	6.76E-05	0.00021	1.617258	2.568952	2.283367	2.469799	2.291228	2.264801	2.402038	2.545421	2.568641	2.440135	3.0698	2.841532	3.026968	1.667235	1.766169	2.036756	2.924322	3.022017	2.706008
ZNF84	ENSG00000198040	0.651792	5.467426	10.24351	8.26E-09	1.02E-07	10.21073	5.190829	5.066741	5.187095	5.860706	5.403664	5.743822	5.586312	5.58547	5.588176	5.185557	5.19846	5.011739	5.83192	5.86369	5.847842	5.612618	5.581058	5.680517
MAK16	ENSG00000198042	-0.70586	6.257804	-11.9996	7.22E-10	1.45E-08	12.63668	6.578612	6.543071	6.490251	5.790912	5.518152	5.59324	6.103549	6.168913	6.091965	6.80859	6.70077	6.772905	6.216398	6.245274	6.178277	6.433248	6.369673	6.396253
ZNF667	ENSG00000198046	0.261651	0.144365	5.204352	6.56E-05	0.000204	1.260097	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.472601	4.521599	4.444286	4.761267	4.732581	4.667494	4.54135	4.664642	4.646745
SIRPA	ENSG00000198053	1.645071	0.494952	6.565112	4.19E-06	1.87E-05	4.468434	5.180696	5.214829	5.155563	6.790876	6.862132	6.919217	6.025902	6.068104	6.126365	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
DSCR8	ENSG00000198054	0.572549	2.23267	6.127655	9.88E-06	3.92E-05	3.298801	1.010037	1.118985	0.964748	1.933905	1.556428	1.880533	1.459147	1.430416	1.38134	3.737768	3.830249	3.804677	4.155599	4.215509	4.315833	3.756329	3.698248	3.55117
GRK6	ENSG00000198055	0.201125	5.636549	2.856282	0.010711	0.01876	-4.16897	5.078891	4.929882	4.962565	5.408686	5.557954	5.341983	5.55111	5.431657	5.584645	6.014459	5.864171	6.015638	6.074867	5.955131	5.992021	6.151341	6.056295	6.041596
PRIM1	ENSG00000198056	-1.42945	4.100067	-14.3244	4.29E-11	1.75E-09	15.73917	4.794334	4.751848	4.686762	3.605613	3.616407	3.75519	4.330652	4.59693	4.475104	4.592639	4.580969	4.635187	3.213258	3.054776	3.032078	4.61293	4.600995	4.551975
MARCHF5	ENSG00000198060	0.121766	5.683571	1.72205	0.102709	0.141124	-6.24497	5.853716	5.848305	5.771708	5.778422	5.677752	5.657664	5.715585	5.810187	5.872122	5.544294	5.479606	5.609292	5.78168	5.895341	5.905471	5.490603	5.562382	5.570305
AKR1B10	ENSG00000198074	1.651409	4.965203	9.875402	1.43E-08	1.60E-07	9.991423	8.547768	8.632671	8.553478	10.2911	10.27383	10.24928	10.19341	10.14279	10.13025	1.028404	0.941811	0.921995	1.154653	1.462417	1.209118	1.354562	1.2488	1.273688
ZBTB14	ENSG00000198081	-0.08928	4.05386	-1.26982	0.220797	0.276224	-6.50524	4.186225	4.312206	4.242513	4.181007	4.1009	4.170914	4.637058	4.610649	4.563842	3.926269	4.008408	3.93295	3.768	4.028349	3.843644	3.994729	3.961615	4.094818
CD2AP	ENSG00000198087	-0.03487	6.244053	-0.81517	0.425943	0.491072	-7.44718	6.001113	6.007931	5.968016	5.854769	5.760718	5.965928	5.719113	5.822029	5.788664	6.693372	6.724002	6.682517	6.661064	6.785047	6.741572	6.448003	6.525641	6.608179
NUP62CL	ENSG00000198088	-1.00505	2.065836	-6.68055	3.35E-06	1.55E-05	4.644634	3.183753	3.169391	3.431666	2.181668	2.078331	1.993763	2.806512	2.596487	2.616448	2.18395	2.285719	2.473063	1.838325	1.819936	1.923865	2.173627	2.447571	2.033602
SFI1	ENSG00000198089	-0.09031	3.562138	-0.98669	0.337257	0.401131	-6.75739	3.975752	3.888531	4.042515	3.647423	3.630051	3.560621	3.602068	3.3682	3.437684	3.64455	3.872445	3.590847	3.809739	3.78648	3.78667	3.478269	3.750515	3.444131
ZNF649	ENSG00000198093	0.334342	0.07823	3.860786	0.0012	0.002651	-1.59306	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.119853	3.860515	3.95997	4.298046	4.344933	4.311352	4.570409	4.621188	4.735671
ZNF248	ENSG00000198105	0.485972	3.077607	3.152206	0.005665	0.010636	-2.93948	3.114469	2.90305	2.916938	3.51817	3.643567	3.485165	3.733489	3.798055	3.844255	2.930935	3.241771	2.756026	3.165832	3.329589	3.290693	2.652661	2.972579	3.202807
CHSY3	ENSG00000198108	0.496957	4.649292	2.677626	0.015635	0.026295	-4.34732	3.999005	4.021717	4.087767	5.375899	5.334513	5.345543	4.393833	4.511753	4.198517	4.656475	4.780934	4.857431	4.690417	4.78759	4.698713	4.983487	5.027439	5.033946
TOR4A	ENSG00000198113	-0.8024	5.239692	-6.3868	5.93E-06	2.52E-05	3.476638	5.797357	5.659206	5.663779	4.392481	4.500575	4.256608	5.452809	5.400404	5.287386	5.367097	5.463921	5.620625	5.064709	5.196144	4.947129	5.809801	5.684473	5.491856
LPAR1	ENSG00000198121	-0.2246	3.742989	-0.83458	0.415214	0.480258	-6.82385	3.936145	3.676739	3.922756	4.424898	4.607895	4.690911	4.6445	4.526303	4.372382	3.864012	3.675424	3.955502	2.529911	2.657091	2.80865	3.793775	3.728346	3.734962
MB	ENSG00000198125	-0.73583	2.439013	-4.68355	0.000199	0.000543	0.067242	2.080492	2.356396	2.138168	0.934951	0.92021	1.250575	0.670238	0.509405	0.515351	5.04952	4.91387	4.974681	4.390344	4.331113	4.368551	4.787047	4.769683	4.694231
HIBCH	ENSG00000198130	-0.1609	5.235505	-2.65301	0.016464	0.027523	-4.51997	5.096964	5.102561	5.097747	4.97738	4.860273	5.127141	5.120637	5.164994	4.989319	5.778332	5.604673	5.655479	5.509846	5.438844	5.491637	5.340537	5.302159	5.29338
ZNF544	ENSG00000198131	0.344891	5.928238	8.129016	2.41E-07	1.63E-06	6.630243	4.71698	4.543506	4.626705	4.809518	4.960875	4.908703	5.173034	5.146277	4.978598	6.707623	6.801707	6.755018	7.145057	7.089351	7.133011	7.241516	7.182778	7.359284
SOWAHC	ENSG00000198142	-0.08259	5.892276	-0.78981	0.440221	0.504674	-7.21352	7.368051	7.404459	7.434194	7.562237	7.533919	7.505873	7.868703	7.898165	7.77752	4.480922	4.411431	4.569452	3.95166	3.915568	3.962731	4.466031	4.432969	4.317368
ZNF770	ENSG00000198146	-0.51218	6.663147	-11.8446	8.85E-10	1.74E-08	12.40176	7.127264	7.080876	7.046228	6.61238	6.552164	6.672277	6.833623	6.873704	6.711201	6.747828	6.821074	6.692621	6.2251	6.250178	6.17458	6.586025	6.553228	6.644896
ZNF876P	ENSG00000198155	-1.15943	0.209588	-6.73442	3.03E-06	1.41E-05	4.785384	0.503316	1.061904	0.679585	0.395333	0.25478	0.563119	0.548589	0.387194	0.39151	2.444376	2.469748	2.569785	1.711947	1.681564	1.456457	2.400938	2.447571	2.464474
HMGN5	ENSG00000198157	-0.04766	1.972476	-0.15231	0.88069	0.902487	-6.69289	2.345296	2.09705	2.248556	1.933905	2.299368	2.346268	3.523527	3.935218	3.614278	1.940223	2.095243	2.152295	2.193986	1.897007	1.801384	1.85727	1.90484	1.910335
MIER1	ENSG00000198160	0.215833	4.846348	2.922636	0.009295	0.016529	-3.89993	4.42241	4.614695	4.706239	5.025739	4.933626	4.946703	4.723921	4.849227	4.694053	5.167627	5.133021	4.983487	5.254243	5.093459	5.171406	4.829736	4.758787	4.853297
MAN1A2	ENSG00000198162	0.407392	6.23832	5.18647	6.81E-05	0.000211	0.822536	5.786261	5.850414	5.86564	6.532815	6.499248	6.572513	6.43282	6.515521	6.496923	6.192202	6.154125	6.053763	6.291971	6.282853	6.271199	6.2921	6.298731	6.259301
SVIP	ENSG00000198168	-0.53598	4.470081	-5.74257	2.15E-05	7.67E-05	2.309974	5.125418	4.992316	5.144898	4.448742	4.177232	4.186878	4.737903	4.997573	4.770621	4.549776	4.353024	4.491347	4.203356	4.303069	4.104162	4.315393	4.405289	4.370952
ZNF251	ENSG00000198169	0.046989	3.62594	0.681282	0.50462	0.566822	-7.02325	3.572735	3.695626	3.717332	3.840029	3.47236	3.936085	3.632324	3.736817	3.60036	3.87036	3.824119	3.70172	3.86027	3.752319	3.78667	3.7814	3.829005	3.753014
DDRGK1	ENSG00000198171	0.400974	6.562795	6.271848	7.43E-06	3.07E-05	3.055972	6.236163	6.26346	6.367183	6.924414	6.986671	6.824175	6.730755	6.644495	6.730498	6.359482	6.347099	6.473399	6.605863	6.643116	6.546597	6.636707	6.594666	6.50144
TFDP1	ENSG00000198176	-0.61898	7.246621	-7.36308	9.36E-07	5.17E-06	5.146081	7.605604	7.635357	7.669429	7.260438	7.296822	7.350662	7.677914	7.609639	7.57091	7.27721	7.222223	7.326554	6.45374	6.37666	6.363917	7.299615	7.299522	7.328014
ZNF607	ENSG00000198182	0.819875	3.499495	8.726489	8.80E-08	7.10E-07	8.027289	2.589523	2.71221	2.739267	3.041869	3.329147	3.168853	3.178682	3.351955	3.437684	3.938405	3.817963	3.794706	4.728999	4.638459	4.698713	4.127753	4.173346	4.044405
ZNF334	ENSG00000198185	0.601384	-0.04714	3.967534	0.000949	0.002163	-1.2044	0.216396	0.215206	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.134522	3.414909	3.180357	3.960951	3.946112	3.849837	3.423579	3.562824	3.831562
HSD17B11	ENSG00000198189	1.106673	4.995158	10.79397	3.73E-09	5.39E-08	11.12515	4.767504	4.599733	4.611291	6.095309	6.071915	6.154304	5.523124	5.412203	5.485906	4.30932	4.287703	4.289577	4.941045	5.020703	4.992623	4.700972	4.773297	4.775955
SZT2	ENSG00000198198	0.054369	5.318161	0.927186	0.366457	0.431359	-7.22115	5.1077	5.120143	5.207739	5.025739	4.987618	5.203674	4.99237	4.849227	4.837409	5.702088	5.810921	5.479925	5.760552	5.811559	5.784586	5.602102	5.581058	5.544626
ZXDA	ENSG00000198205	-0.59496	1.779725	-3.60719	0.002095	0.004384	-1.66228	3.071243	3.027527	3.090013	2.359902	2.490996	1.956998	2.226405	2.481727	2.530983	1.891119	2.011405	1.67541	1.689764	1.846087	1.667532	1.681967	1.82352	1.775544
RPS6KL1	ENSG00000198208	-0.20711	3.069223	-3.2272	0.004813	0.009191	-2.96557	3.114469	2.982098	2.982302	2.97776	2.948483	2.865864	2.226405	2.220554	2.376228	3.997596	4.092415	4.063257	3.794228	3.952144	3.754018	3.383205	3.520448	3.291935
QRICH1	ENSG00000198218	-0.22278	6.306727	-6.05133	1.15E-05	4.49E-05	2.617341	6.381852	6.24755	6.356437	6.112826	6.051781	6.006972	6.02305	6.040494	6.028417	6.685294	6.603017	6.604754	6.443833	6.498105	6.410754	6.436212	6.446373	6.483982
DDX42	ENSG00000198231	-0.41556	8.142153	-6.92237	2.12E-06	1.05E-05	4.217478	8.328964	8.31577	8.334738	7.657393	7.642244	7.707465	8.028677	8.058165	7.966376	8.420154	8.418626	8.385173	8.219398	8.163145	8.222419	8.22899	8.253131	8.304169
RPL23A	ENSG00000198242	-0.06996	9.251868	-1.66308	0.114124	0.154792	-6.64292	9.591347	9.575863	9.586318	9.632219	9.643566	9.583446	9.633238	9.659798	9.660311	9.068709	8.986035	8.929321	8.767723	8.844828	8.845905	8.777989	8.883341	8.909287
SLC29A3	ENSG00000198246	0.239553	4.002151	2.389891	0.028359	0.044732	-4.94512	3.738482	3.608619	3.717332	3.20008	3.329147	3.086148	2.446718	2.540248	2.670735	5.314527	5.21026	5.28001	5.652873	5.648392	5.803856	4.285035	4.221756	4.422617
STYX	ENSG00000198252	-0.22092	5.311411	-4.47146	0.000315	0.000817	-0.64488	5.266237	5.10962	5.049003	5.015132	5.059965	4.829562	4.637058	4.855002	4.807433	5.896563	5.89081	5.958727	5.692458	5.703069	5.650865	5.561067	5.593376	5.724636
UBL5	ENSG00000198258	-0.01288	6.524605	-0.30612	0.763133	0.803028	-7.75395	6.727572	6.617999	6.713586	6.633339	6.640761	6.463697	6.452032	6.546187	6.52298	6.470199	6.458142	6.525577	6.550006	6.571452	6.546597	6.452888	6.399208	6.44148
HELZ	ENSG00000198265	0.029572	6.200493	0.423628	0.677005	0.725879	-7.69493	5.334855	5.337144	5.372225	5.605366	5.543607	5.671913	5.729647	5.786207	5.612649	6.959124	7.080275	6.869883	6.87339	6.804348	6.905894	6.859077	6.779408	6.886862
TMEM116	ENSG00000198270	-0.20003	3.124174	-1.36641	0.189133	0.240986	-6.129	3.487617	3.405656	3.431666	3.740513	3.772191	3.666886	3.647218	3.736817	3.783962	3.186323	3.21391	3.439082	2.626498	2.743101	2.661487	3.011667	2.827179	2.896697
UCKL1	ENSG00000198276	0.162208	5.256193	2.964459	0.008497	0.015248	-3.88268	4.803168	4.929882	5.064177	5.072529	5.212855	5.122998	5.093706	5.043815	5.300358	5.371579	5.485444	5.493859	5.623918	5.520271	5.587414	5.59328	5.581058	5.414576
ZNF485	ENSG00000198298	-0.43613	3.209777	-4.22341	0.000541	0.001317	-0.74314	3.662849	3.838426	3.755225	3.083078	2.835252	2.961768	3.072345	2.848856	3.044176	3.825326	3.5985	3.696374	3.617489	3.528394	3.437743	3.181381	3.225651	3.387478
SDAD1	ENSG00000198301	-0.51358	6.504927	-6.98888	1.87E-06	9.39E-06	4.469461	6.497937	6.503426	6.52631	5.714295	5.547207	5.791585	6.254643	6.254423	6.231692	7.041596	7.093077	7.08408	6.773438	6.779121	6.771244	6.830834	6.834929	6.86835
ZKSCAN8	ENSG00000198315	0.449107	5.091422	5.313095	5.22E-05	0.000168	1.222464	4.456406	4.418344	4.406272	4.660937	4.600983	4.745826	4.932837	4.981823	4.813478	5.393783	5.446069	5.401609	5.93335	5.970071	5.920261	5.46375	5.462956	5.461988
PHETA1	ENSG00000198324	0.472413	4.235259	4.944415	0.000114	0.000332	0.630597	4.439509	4.293732	4.320409	4.472198	4.580048	4.386706	4.293266	4.194045	4.296723	3.831846	3.860515	4.12026	4.71259	4.553723	4.610269	4.32395	4.30899	4.044405
HYLS1	ENSG00000198331	-0.55795	3.055875	-3.22453	0.004841	0.009239	-2.81782	3.313074	3.248262	2.982302	3.441022	3.394558	3.321269	3.296733	2.938616	3.044176	3.536933	3.554746	3.722908	2.638129	2.700737	2.716753	3.501087	3.404065	3.375875
ZNF442	ENSG00000198342	-0.34719	-1.70141	-1.81491	0.086737	0.121546	-4.91695	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.787595	1.752042	1.718241	1.446877	1.203912	1.488568	1.571317	1.67689	1.058313
ZNF813	ENSG00000198346	0.141406	0.492696	1.344445	0.195995	0.248469	-6.4004	0.106501	0.215206	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.256032	4.480922	4.580969	4.421787	4.653644	4.67539	4.67449	4.55958	4.580516	4.75819
PIM3	ENSG00000198355	-0.50867	5.996929	-2.16135	0.044814	0.067358	-5.55279	6.727572	6.863231	7.007503	5.190356	5.371535	5.366721	6.008705	5.981	6.086983	5.884069	5.76526	6.108119	6.305711	6.245274	6.267734	5.859209	5.711094	5.635005
GET3	ENSG00000198356	-0.07307	6.157386	-1.31026	0.207067	0.260857	-6.89684	6.590142	6.44742	6.570816	6.365449	6.52686	6.438914	6.025902	5.954347	6.046494	6.171788	6.043715	6.133064	6.137669	6.02833	6.025238	5.935182	5.906389	5.864042
ASPH	ENSG00000198363	-0.047	10.59118	-0.29878	0.768634	0.808064	-7.99585	11.45349	11.4991	11.46759	12.01334	11.93344	11.94188	12.18051	12.20953	12.17648	9.364358	9.434701	9.355553	8.640499	8.720248	8.670679	9.848435	9.888897	9.86888
SPRED2	ENSG00000198369	-0.18255	5.868435	-2.27948	0.035443	0.054615	-5.29857	5.825812	5.671183	5.678645	5.836811	5.782263	5.757249	6.318841	6.343387	6.379591	5.982583	5.9083	5.924843	5.576346	5.560311	5.522983	6.068467	5.973897	5.983532
WWP2	ENSG00000198373	0.085881	6.341155	0.911063	0.374656	0.439413	-7.34292	6.442476	6.462661	6.57347	6.305774	6.453938	6.308185	6.83525	6.677461	6.711201	6.130072	6.033125	6.173064	6.438022	6.33341	6.391777	6.162119	5.984847	6.058025
GFPT1	ENSG00000198380	-0.25264	7.291858	-2.38295	0.028762	0.045306	-5.26896	7.344794	7.392934	7.306026	7.585725	7.408903	7.505078	7.455879	7.533358	7.555663	7.316678	7.290506	7.361171	6.660351	6.720251	6.741572	7.430191	7.36983	7.449221
UVRAG	ENSG00000198382	0.218258	4.51473	3.617601	0.002048	0.004295	-2.33224	4.615318	4.366251	4.281987	4.576883	4.43213	4.679672	4.673889	4.519046	4.647437	4.451587	4.487097	4.554757	4.785003	4.797675	4.660464	4.630284	4.613145	4.646745
ZNF26	ENSG00000198393	-0.10431	4.589292	-1.8608	0.079681	0.112672	-5.87282	4.117062	4.190995	4.080323	3.999198	4.167908	4.358792	4.164604	4.09991	4.313883	5.185557	5.221963	5.223525	5.09878	5.000472	5.017597	5.127316	5.271824	5.123395
ITSN2	ENSG00000198399	0.653853	5.436533	10.30448	7.55E-09	9.41E-08	10.30424	5.207561	5.140963	5.22134	5.643745	5.624218	5.735705	5.559008	5.578506	5.577558	5.149472	5.212608	5.047868	5.859507	5.884342	5.929063	5.344748	5.405901	5.359675
BZW1P2	ENSG00000198406	0.102766	0.377713	0.483746	0.634571	0.687577	-6.27744	1.286899	1.551021	1.088647	1.688986	1.718467	1.575618	1.648695	1.549165	1.38134	1.116489	0.941811	0.993481	0.945898	0.938214	0.651457	1.214313	1.072305	1.170016
OGA	ENSG00000198408	0.400763	6.990194	10.40576	6.51E-09	8.31E-08	10.31309	7.446968	7.473113	7.458085	7.933579	7.85035	7.91937	7.286663	7.408344	7.275972	6.399536	6.460119	6.270714	6.71903	6.718483	6.737402	6.183437	6.27216	6.240231
ZNF658B	ENSG00000198416	1.274835	-0.0497	4.715058	0.000186	0.000511	0.884839	1.069823	0.499412	1.028027	1.519216	1.2379	1.422231	0.782422	1.658879	0.735084	0.609835	0.583785	0.726056	1.248697	1.282615	1.284217	1.017342	1.206659	0.872651
MT1F	ENSG00000198417	-0.79272	4.288496	-3.68512	0.001765	0.003763	-2.06882	4.505944	4.330447	4.43574	3.359513	2.762786	3.086148	5.342749	5.146277	5.321722	4.64911	4.641483	4.560653	4.102013	4.288839	4.199397	4.783949	4.625193	4.577525
TCAF1	ENSG00000198420	-0.3718	5.491688	-2.73018	0.013997	0.023836	-4.36261	6.546092	6.565063	6.467605	5.70112	5.641162	5.640377	5.722633	5.650007	5.677057	5.04952	5.115559	5.091284	5.158554	5.320261	5.243746	4.900099	4.910886	5.077574
ZNF69	ENSG00000198429	0.496144	-1.41455	3.302913	0.004081	0.007931	-2.22392	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.704765	2.053933	1.820066	2.329284	2.363215	2.014873	1.542275	1.581179	1.775544
TXNRD1	ENSG00000198431	-0.99009	10.08394	-8.52506	1.23E-07	9.33E-07	7.092354	11.27271	11.30934	11.28556	10.647	10.69941	10.65219	11.40068	11.39808	11.36334	9.833337	9.656072	9.770792	8.303747	8.325006	8.37864	9.084255	9.046779	9.117821
NRARP	ENSG00000198435	-2.01418	1.347368	-12.6383	3.19E-10	7.67E-09	13.58658	1.642349	1.591918	1.954926	0.52061	0.625525	0.830331	1.317361	0.915275	1.38134	3.322191	3.195032	3.464463	1.573426	1.793303	1.801384	3.383205	3.127424	3.254409
ZNF583	ENSG00000198440	0.843273	3.021651	9.482835	2.62E-08	2.60E-07	9.357548	2.483604	2.283367	2.5366	2.864145	2.904251	2.865864	3.315502	3.122225	3.143496	3.058725	3.106888	2.883807	3.778549	3.940055	3.951255	3.749992	3.84969	3.881648
ZNF568	ENSG00000198453	0.755814	2.580273	5.257935	5.86E-05	0.000185	1.60024	2.137484	2.009193	2.049454	2.103714	2.333126	1.993763	2.667326	2.451551	2.869505	3.013555	3.076267	2.816411	3.835226	3.793216	3.856005	3.383205	3.317614	3.30423
ZXDB	ENSG00000198455	-0.128	4.053232	-1.84327	0.082314	0.115965	-5.63137	4.949597	4.953612	5.049003	4.772209	4.648682	4.894191	4.730929	4.87219	4.795267	3.403229	3.439177	3.519989	3.557503	3.410675	3.387537	3.52355	3.485627	3.340497
ZNF480	ENSG00000198464	0.643242	5.196417	11.18524	2.15E-09	3.42E-08	11.60666	4.309146	4.14364	4.215584	5.05192	4.992907	5.068031	4.950956	4.753535	5.03142	5.447841	5.436055	5.483033	5.995707	5.95963	6.003179	5.761793	5.844183	5.876446
ZNF587	ENSG00000198466	0.391904	4.578707	6.104391	1.04E-05	4.09E-05	2.966818	4.073915	4.330447	4.249168	4.612502	4.447623	4.473866	4.31208	4.256466	4.261781	4.735102	4.967692	4.654613	5.239047	5.104334	5.255457	4.730238	4.933671	4.910709
TPM2	ENSG00000198467	0.25079	3.708225	2.431877	0.026031	0.041491	-4.56287	4.42241	4.584615	4.681852	4.746789	4.842803	4.78306	3.916741	3.592179	3.913431	3.255856	3.605665	3.117748	3.581798	3.544454	3.548512	2.782512	2.784842	3.254409
FLVCR1-DT	ENSG00000198468	-0.08413	1.773143	-0.52368	0.607076	0.663438	-6.50209	2.90065	2.802095	2.848472	3.041869	3.012388	2.94309	2.933443	3.002451	3.00245	1.704765	1.725977	1.538714	1.218025	1.591687	1.17005	1.250674	1.513652	1.739782
SH3BGRL2	ENSG00000198478	0.500085	3.846431	8.410644	1.49E-07	1.10E-06	7.226619	1.519087	1.551021	1.62731	2.063099	2.366112	2.22781	2.102195	1.549165	1.314712	6.410468	6.347099	6.341773	6.823325	6.773171	6.889453	5.97376	6.063691	6.157942
ZNF808	ENSG00000198482	-0.24135	2.356786	-1.85541	0.080483	0.113632	-5.36574	2.744313	2.674627	2.37563	1.791994	2.03796	1.840725	1.867984	2.220554	2.165532	2.918737	3.223257	3.109727	3.116795	3.088026	3.085545	3.063688	2.99751	3.215882
ANKRD35	ENSG00000198483	-1.61714	-1.21867	-6.57264	4.13E-06	1.85E-05	4.498797	0.106501	0.215206	0.219246	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	2.749986	2.604605	2.510098	1.308151	1.16289	1.17005	1.833493	1.82352	1.504318
B3GNT6	ENSG00000198488	-1.57888	-0.84797	-7.61962	5.89E-07	3.49E-06	6.373466	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	3.265521	3.136872	3.312021	1.897591	1.738515	1.695314	2.509956	2.755911	2.464474
YTHDF2	ENSG00000198492	-0.33019	7.12713	-6.26478	7.53E-06	3.11E-05	2.983483	7.30025	7.330111	7.272123	6.803259	6.719451	6.78407	7.029648	7.061485	7.055249	7.335727	7.293836	7.339472	7.210305	7.161412	7.120257	7.239821	7.182098	7.242753
NBR2	ENSG00000198496	0.043845	2.62389	0.422521	0.677797	0.726532	-6.98026	2.815895	2.9974	2.933559	2.740812	2.549605	2.924168	2.412257	2.184314	2.005764	3.047564	3.175905	3.085394	3.18974	3.243672	3.335521	3.032701	2.95995	2.760563
TMA16	ENSG00000198498	-0.75272	5.701726	-10.7451	3.99E-09	5.64E-08	10.93176	6.323181	6.285444	6.370238	5.333837	5.235346	5.373711	5.65424	5.714958	5.670411	6.063762	5.995435	5.994014	5.426782	5.54043	5.51326	5.457931	5.64557	5.557523
ATL1	ENSG00000198513	1.021969	1.789828	6.538521	4.41E-06	1.96E-05	4.405205	2.707144	2.693541	2.776595	3.688057	3.844198	3.982555	2.637802	2.451551	2.560038	1.352446	1.644832	1.333627	1.897591	1.897007	1.610309	1.286141	1.2488	0.93723
MAFK	ENSG00000198517	-0.35033	7.628292	-3.07559	0.006687	0.012343	-3.8135	9.719365	9.687982	9.802778	9.10748	9.270461	9.144578	9.59654	9.510914	9.646408	5.781704	5.865664	6.085804	5.96602	5.841114	5.946508	5.638576	5.534971	5.431488
ARMH1	ENSG00000198520	1.34663	-0.27533	4.873867	0.000132	0.000379	1.073229	0.503316	0.106501	0.323815	0.52061	1.087782	0.461789	0.106501	0.509405	0.256032	2.033684	1.875739	1.49011	2.83289	2.729118	2.589286	1.387593	1.368306	1.665483
ZNF43	ENSG00000198521	0.161739	0.391367	0.879013	0.391319	0.456288	-6.75388	0.106501	0.106501	0.219246	0.635873	0.389229	0.106501	0.106501	0.253663	0.256032	3.709722	3.901847	3.839044	3.840269	3.90938	3.880413	3.98397	4.357943	4.551975
GPN1	ENSG00000198522	-0.115	5.960721	-1.70901	0.105144	0.143983	-6.32358	5.655787	5.776943	5.738987	5.396478	5.296516	5.253794	5.628203	5.689327	5.690258	6.421317	6.209259	6.297442	6.346162	6.372168	6.418067	6.532575	6.499699	6.517369
ZNF28	ENSG00000198538	0.067525	4.618401	1.604816	0.12645	0.169637	-6.30064	4.192962	4.115866	4.102541	4.103016	4.120365	4.241401	3.866715	4.019913	3.913431	5.283944	5.242793	5.339521	5.333285	5.372923	5.422676	5.253625	5.179522	5.194471
ITGBL1	ENSG00000198542	0.39208	3.22316	2.076939	0.052847	0.078173	-4.6477	6.593965	6.763828	6.63065	7.142341	7.076608	7.080657	6.386973	6.620963	6.39781	1.199504	0.89579	0.958181	0.945898	0.7293	0.812339	0.837776	1.072305	0.734116
ZNF511	ENSG00000198546	-0.09805	3.160404	-1.03455	0.314984	0.377859	-6.55079	3.27548	2.950996	3.28395	3.425084	3.260629	3.377995	3.632324	3.535768	3.614278	3.331423	3.250939	3.380287	2.995443	3.098942	3.042931	3.366734	3.449945	3.487904
ZNF627	ENSG00000198551	0.92443	3.357456	15.24225	1.56E-11	8.63E-10	16.73068	2.798329	2.966631	2.883112	3.77864	3.747367	3.689474	3.370387	3.002451	3.143496	3.437834	3.406729	3.269454	4.222798	4.164465	4.213876	3.6717	3.667508	3.611778
WDHD1	ENSG00000198554	-1.83336	4.420538	-8.97343	5.88E-08	5.08E-07	8.365451	4.450796	4.395423	4.235828	3.80351	3.772191	3.868406	4.13321	4.256466	4.207726	5.680576	5.660785	5.681416	3.422776	3.375198	3.454098	5.473398	5.52857	5.600528

ZNF789	ENSG00000198556	-0.07064	2.585235	-0.50122	0.622472	0.676939	-6.85064	2.815895	2.403106	2.848472	2.457149	2.762786	2.675323	2.981245	2.676938	3.162566	3.155466	3.116952	2.671369	2.872818	2.824271	2.942182	2.819293	2.552239	2.975687
CTNND1	ENSG00000198561	0.005633	8.646887	0.13655	0.892947	0.912225	-7.99623	7.882705	7.885106	7.894627	7.834498	7.848893	7.795345	7.349482	7.452818	7.418625	9.666794	9.649912	9.602827	9.690969	9.678941	9.711807	9.438768	9.451434	9.472468
DDX39B	ENSG00000198563	0.054441	5.265017	0.959144	0.350568	0.414919	-7.18307	5.220808	5.011285	5.16263	5.277258	5.109506	5.334836	4.765467	4.955186	4.889843	5.640283	5.785907	5.542338	5.684066	5.629696	5.680705	5.139487	5.331868	5.311765
SLC34A3	ENSG00000198569	0.645225	-0.86399	2.259727	0.036872	0.056585	-4.26763	0.41387	0.215206	0.219246	0.106501	0.25478	0.106501	0.269385	0.106501	0.256032	1.490718	1.616737	1.631268	2.491955	2.190279	2.34809	1.970607	1.478665	1.461048
SPANXC	ENSG00000198573	-1.23147	-1.24406	-6.83819	2.48E-06	1.20E-05	4.986943	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.543041	2.531245	2.522234	1.597456	1.393161	1.355599	2.115663	2.274787	2.091498
AC073343.	ENSG00000198580	0.31057	-0.33392	1.304622	0.208939	0.26296	-5.64401	0.587539	0.215206	0.219246	0.635873	0.828511	0.3528	0.548589	0.509405	0.39151	1.646779	1.467416	1.562415	1.573426	1.652223	1.488568	1.512637	1.795362	1.461048
NUDT16	ENSG00000198585	0.818493	5.706405	5.437492	4.03E-05	0.000134	1.423264	4.884496	4.691972	4.835673	6.294854	6.250358	6.386308	5.665257	5.749473	5.839908	5.693164	5.749173	5.71749	5.992313	5.965605	6.056369	5.81588	5.819927	5.847335
TLK1	ENSG00000198586	-0.39906	6.754139	-3.49376	0.002687	0.005464	-2.93163	7.388739	7.382773	7.302831	6.542081	6.430738	6.532467	7.000948	7.132154	7.056524	6.528559	6.603911	6.601898	6.576695	6.628123	6.608179	6.430279	6.551125	6.53051
LRBA	ENSG00000198589	1.072055	6.217088	12.95801	2.14E-10	5.67E-09	13.89883	5.1077	5.044814	5.079193	6.424759	6.340256	6.549545	6.164346	6.214549	6.22717	6.156285	6.206905	5.923699	6.921776	6.943316	6.954843	6.646974	6.658586	6.737337
MMP17	ENSG00000198598	1.317124	3.838267	5.851325	1.72E-05	6.36E-05	2.867414	5.034569	5.147837	5.11242	6.574952	6.620398	6.494489	6.017329	5.727605	5.875015	2.163418	1.588084	1.800268	2.399306	2.016959	2.18129	2.782512	2.99751	2.252429
BAZ1A	ENSG00000198604	0.149511	6.786016	2.283892	0.035131	0.054199	-5.44423	5.715497	5.738755	5.922947	6.274985	6.19406	6.271226	6.037254	5.991525	6.074452	7.610113	7.652785	7.585952	7.540532	7.586232	7.607526	7.543525	7.524174	7.555897
COPS8	ENSG00000198612	-0.64474	6.567774	-14.525	3.42E-11	1.50E-09	15.76586	6.911398	6.890125	6.732706	6.34865	6.302412	6.29167	6.587536	6.591862	6.643251	6.96877	6.903329	6.848955	6.216398	6.2029	6.12437	6.628094	6.630969	6.683057
PPIAP22	ENSG00000198618	-0.18495	4.636088	-2.97213	0.008358	0.015031	-3.65458	5.411954	5.407565	5.234814	5.329563	5.185395	5.110498	5.319693	5.404348	5.482116	4.256985	4.171799	4.112253	3.918659	3.90938	4.056758	4.072963	4.029668	4.203832
CCDC69	ENSG00000198624	1.745008	1.724832	4.397789	0.00037	0.00094	0.085432	2.245129	1.708084	2.399755	4.472198	4.204846	4.34463	2.576877	3.002451	2.670735	1.278001	1.335727	1.094478	1.392977	1.282615	1.209118	1.65509	1.513652	1.626848
MDM4	ENSG00000198625	-0.21315	4.136023	-2.37014	0.029521	0.046352	-4.75931	4.917414	4.813666	4.804386	4.619522	4.42432	4.702062	4.659269	4.938965	4.606245	4.054455	3.919204	3.754117	3.719554	3.806595	3.734067	3.439417	3.458949	3.669942
RYR2	ENSG00000198626	-0.16286	0.562306	-0.63559	0.533281	0.594677	-6.11594	5.956277	6.050734	6.073013	5.704425	5.930216	6.04688	5.55111	5.676339	5.408147	0.106501	0.185134	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
KLHL9	ENSG00000198642	0.049574	5.569924	0.794335	0.437654	0.502175	-7.31484	6.174524	6.122277	6.140783	6.117792	5.924691	6.0137	5.98838	5.996758	6.025816	5.096306	5.113047	5.068705	5.225618	5.350262	5.39964	5.012893	4.99066	5.088278
NCOA6	ENSG00000198646	0.383387	6.387501	8.49746	1.29E-07	9.69E-07	7.256375	5.887335	6.011704	6.021469	6.420746	6.321458	6.574031	6.300115	6.383897	6.405835	6.311303	6.410864	6.326282	6.69904	6.64125	6.633531	6.635848	6.62698	6.686583
STK39	ENSG00000198648	0.00345	6.097049	0.034266	0.973053	0.977583	-7.80296	5.263039	5.201677	5.214556	5.67103	5.48099	5.528939	4.428731	4.637703	4.549426	7.27721	7.220473	7.28442	7.028923	7.151616	7.175548	6.996569	7.046818	7.095784
C6orf89	ENSG00000198663	0.565251	6.785625	11.89862	8.24E-10	1.64E-08	12.45106	6.223057	6.19044	6.232628	6.809411	6.81811	6.836877	6.702513	6.591862	6.571941	6.851737	6.84549	6.831383	7.374019	7.330709	7.390487	6.932961	6.899182	6.957648
CALM1	ENSG00000198668	0.977525	8.763578	4.912148	0.000122	0.000352	0.043093	8.061767	8.181535	8.074462	9.86397	9.695589	9.746492	9.847681	9.827055	9.843171	8.125667	8.139527	8.091131	8.371073	8.408264	8.367351	8.410443	8.36273	8.396062
TTC37	ENSG00000198677	-0.01993	6.956429	-0.59723	0.558015	0.617641	-7.6417	7.399701	7.388588	7.410643	7.401507	7.374867	7.476138	7.393208	7.382586	7.343327	6.615209	6.595838	6.514228	6.483864	6.531724	6.531263	6.547266	6.472171	6.579383
TUSC1	ENSG00000198680	0.132646	3.503048	0.930317	0.36488	0.429751	-6.65639	4.059241	4.275018	4.351665	4.612502	4.819175	4.562192	4.411387	4.389749	4.404775	2.918737	2.969234	3.125724	2.638129	2.686334	2.703134	3.16242	2.95995	2.668457
MAGEA1	ENSG00000198681	-0.61788	1.411897	-1.92478	0.070691	0.101303	-4.61449	7.375473	7.326328	7.374579	6.810945	6.821087	6.655165	7.071657	7.120214	7.088034	0.190076	0.185134	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.315289
PAPSS2	ENSG00000198682	1.425345	6.021999	9.406343	2.95E-08	2.85E-07	9.177392	8.426877	8.44277	8.42933	9.967146	9.849309	9.866884	10.19563	10.1083	10.13644	2.47802	2.546219	2.088428	3.116795	3.253475	3.177059	2.843302	3.009816	2.687355
SLC9A6	ENSG00000198689	0.161344	4.584194	1.276384	0.21852	0.273712	-6.58019	4.996565	4.980813	4.89628	5.456512	5.4273	5.380668	5.574674	5.592401	5.44755	4.146251	4.214605	4.15575	3.95166	3.927863	3.86826	3.824254	3.980496	3.922098
FAN1	ENSG00000198690	-0.3807	5.325166	-9.65527	2.00E-08	2.09E-07	9.316895	5.851589	5.785783	5.767078	5.350809	5.407631	5.363212	5.478019	5.404348	5.375831	5.413478	5.355466	5.442097	5.012045	5.120493	5.121083	5.085149	5.080907	5.109451
ABCA4	ENSG00000198691	-0.50135	-0.73405	-2.23059	0.039077	0.059578	-4.43687	0.318509	0.316291	0.106501	0.258133	0.25478	0.106501	0.106501	0.106501	0.256032	2.693825	2.618839	2.460504	2.096181	2.451029	1.876113	1.759719	1.851139	1.546329
EIF1AY	ENSG00000198692	-0.62558	4.610699	-10.0054	1.18E-08	1.36E-07	9.995328	5.313374	5.269425	5.207739	4.753186	4.789085	4.627987	5.009762	5.197177	5.169792	4.671093	4.679329	4.635187	3.965575	4.011117	4.040604	4.156784	4.258317	4.370952
MT-ND6	ENSG00000198695	-0.21542	3.848448	-1.33324	0.19957	0.252529	-6.34059	4.339825	4.354415	3.914407	4.272916	4.439897	4.414089	4.583863	4.519046	4.795267	4.076585	3.524821	3.848714	3.039964	3.436722	3.186878	3.501087	3.458949	3.498643
IPO9	ENSG00000198700	-0.33646	7.408893	-5.37407	4.60E-05	0.00015	1.113431	7.726043	7.735146	7.765392	7.609718	7.613342	7.657499	7.560877	7.532457	7.495836	7.475014	7.496782	7.422354	6.947712	6.886965	6.936772	7.215882	7.186848	7.256264
CEP290	ENSG00000198707	-0.46971	4.347051	-4.91129	0.000122	0.000353	0.593221	5.316463	5.507143	5.511583	4.714371	4.764552	4.809079	4.709802	5.002785	4.978598	3.938405	4.152359	4.059098	3.850304	3.884362	3.916269	3.545669	3.587665	3.432977
MT-CO2	ENSG00000198712	0.549726	9.492049	6.8048	2.65E-06	1.26E-05	3.925039	9.821536	9.731814	9.561637	10.24006	10.2829	10.08143	10.21529	9.890464	10.22457	8.890648	8.552569	8.753874	9.239993	9.422092	9.344993	8.810514	8.962435	8.87054
GLMP	ENSG00000198715	0.974872	6.364092	26.06041	1.96E-15	2.33E-12	25.67498	5.962204	5.954048	5.899874	6.932892	6.966647	6.99144	6.114309	6.080481	6.061811	6.132715	5.999521	6.133064	7.065994	6.963613	6.973399	6.256781	6.221476	6.18146
TOGARAM	ENSG00000198718	0.686438	5.109818	10.08763	1.04E-08	1.22E-07	9.978977	4.605251	4.262405	4.301326	4.863733	4.733289	5.010886	4.629578	4.651042	4.542164	5.400378	5.448064	5.383428	6.202755	6.130274	6.164677	5.561067	5.549795	5.368484
ANKRD13B	ENSG00000198720	-0.12695	4.325096	-1.25972	0.224331	0.280055	-6.68158	4.564268	4.522504	4.611291	4.052041	4.493129	4.218286	3.647218	3.619579	3.832397	4.634266	4.634494	4.69001	4.667899	4.619633	4.660464	4.63373	4.49118	4.607598
ECI2	ENSG00000198721	-0.2614	4.805074	-2.6269	0.017389	0.028906	-4.41448	5.672757	5.683061	5.638658	5.087795	5.190008	5.041937	5.233498	5.550308	5.355259	4.412971	4.314187	4.264509	4.373047	4.420842	4.456413	4.262954	4.178806	4.370952
UNC13B	ENSG00000198722	0.777672	5.224539	10.89542	3.23E-09	4.77E-08	11.20041	4.753899	4.701347	4.498524	5.740289	5.565074	5.751893	5.049544	5.108097	5.136423	5.12579	5.1649	5.085161	5.688268	5.720844	5.656176	5.319295	5.331868	5.377239
MT-CYB	ENSG00000198727	0.467353	9.047158	5.659666	2.55E-05	8.89E-05	1.609546	9.100661	9.025194	8.831649	9.468383	9.46833	9.466723	9.455059	9.085959	9.477757	8.883016	8.506181	8.679114	9.03847	9.215853	9.163899	8.647499	8.708699	8.67848
LDB1	ENSG00000198728	0.303549	5.462173	6.840887	2.47E-06	1.19E-05	4.337754	5.847324	5.675946	5.705507	5.89871	6.039053	5.979739	5.747035	5.673074	5.646906	5.021274	5.115559	5.043664	5.458289	5.375169	5.420597	5.107626	5.106916	5.077574
PPP1R14C	ENSG00000198729	-0.39748	1.55454	-3.61097	0.002078	0.004352	-2.2026	0.814199	0.499412	0.219246	0.635873	0.512209	0.830331	0.415731	0.387194	0.735084	4.81954	4.68948	4.786248	4.323482	4.321825	4.324754	4.298124	4.283876	4.229846
CTR9	ENSG00000198730	-0.01905	6.413208	-0.49872	0.624196	0.678606	-7.68059	6.004946	5.839841	5.957896	6.046662	5.87112	5.906913	5.891633	5.973056	5.81602	6.99006	6.977698	7.025599	7.00217	6.925798	6.955561	6.880265	6.861484	6.843293
SMOC1	ENSG00000198732	1.136762	2.064147	5.435454	4.04E-05	0.000134	2.339274	8.374127	8.447652	8.462994	9.595755	9.565391	9.591339	9.499338	9.357394	9.491254	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
F5	ENSG00000198734	0.281052	3.626531	3.953692	0.000978	0.002222	-1.76011	1.12723	1.420874	1.088647	1.978268	1.864131	2.196611	1.160105	1.301009	1.445026	6.441708	6.571345	6.367227	6.734689	6.632825	6.656679	6.168073	6.188024	6.267173
MSRB1	ENSG00000198736	0.256583	4.689082	1.411889	0.175539	0.225629	-6.54347	4.02189	3.983805	4.02711	5.082724	5.296516	5.207592	4.402637	4.282412	4.288067	5.162464	5.043519	5.099408	4.798023	4.879081	4.759194	5.102661	5.104049	4.934632
ZNF652	ENSG00000198740	-0.41267	4.546514	-6.95053	2.01E-06	1.00E-05	4.719143	5.089762	5.073976	5.101429	4.517996	4.455308	4.598452	4.944941	4.928048	4.978598	4.480922	4.57733	4.453822	4.238165	4.24529	4.25646	4.361843	4.333674	4.353311
SMURF1	ENSG00000198742	-0.17926	6.97952	-3.19535	0.005158	0.009775	-3.61229	6.94571	7.032486	7.044316	6.910172	6.972014	6.966224	6.67734	6.637811	6.717662	7.311439	7.174234	7.250625	6.968591	6.960624	6.986811	7.140979	7.109626	7.038063
SLC5A3	ENSG00000198743	-0.23222	5.502327	-2.14426	0.046343	0.069386	-5.50949	4.941618	4.980813	4.908943	5.092847	4.998178	5.377194	5.701383	5.567996	5.643517	6.017322	6.124502	5.752683	5.436806	5.476997	5.447393	6.003363	6.08129	6.099179
GPATCH3	ENSG00000198746	-0.59268	4.136281	-9.64685	2.03E-08	2.10E-07	9.470875	4.495082	4.287521	4.424025	3.977507	3.709312	3.786958	4.264577	3.988732	4.170531	4.561593	4.540416	4.681918	4.114557	4.073319	3.951255	4.386563	4.298997	4.249053
CDC42BPB	ENSG00000198752	-0.0194	7.266956	-0.27897	0.78354	0.819982	-7.84098	7.485208	7.393657	7.482999	7.199673	7.213179	7.221967	6.909708	6.882213	6.910477	7.279001	7.405818	7.299483	7.537042	7.443126	7.521388	7.293092	7.236779	7.265725
PLXNB3	ENSG00000198753	1.004943	3.579982	10.33763	7.19E-09	9.04E-08	10.60142	3.236881	2.886707	3.309643	3.910405	4.040879	3.991672	3.315502	3.3682	3.572114	3.246125	3.373534	3.353367	4.32708	4.220515	4.355551	4.222335	4.156841	3.814473
RPL10A	ENSG00000198755	0.075787	8.980602	1.785393	0.091561	0.127641	-6.44341	9.269524	9.209364	9.20677	9.158977	9.214958	9.127877	9.052869	9.069289	9.11445	8.795035	8.72471	8.696958	8.911686	8.974394	8.94777	8.712692	8.767859	8.749321
MT-ND2	ENSG00000198763	0.649562	9.595674	9.05173	5.18E-08	4.57E-07	7.986202	9.430332	9.346946	9.207838	9.958868	10.0117	9.894336	9.938644	9.459008	9.711991	9.370669	9.135378	9.169258	9.756133	9.980524	9.94719	9.393116	9.619576	9.426109
RASSF9	ENSG00000198774	-0.44577	1.447651	-2.29561	0.034314	0.053099	-4.25323	1.791852	2.232543	2.166567	2.181668	1.953662	2.132113	2.186178	2.220554	1.918715	2.18395	2.032826	1.858866	1.473091	1.16289	1.639204	1.948641	2.030948	1.546329
FAM169A	ENSG00000198780	-0.22825	3.576476	-2.59519	0.018579	0.030637	-4.14641	4.467563	4.401188	4.394314	4.333937	4.186495	4.28655	4.264577	4.332946	4.380548	3.206534	3.204502	3.043904	2.626498	3.098942	2.942182	3.209363	3.160915	3.241681
ZNF830	ENSG00000198783	-0.20389	4.414601	-2.74834	0.01347	0.023024	-4.13915	4.825019	4.696667	4.74442	4.495279	4.167908	4.315882	4.520565	4.459641	4.542164	4.521821	4.427694	4.437893	4.417596	4.446707	4.440084	4.410866	4.555551	4.274271
MT-ND5	ENSG00000198786	1.02573	8.998747	7.668171	5.40E-07	3.24E-06	5.586155	8.465646	8.367109	8.241037	9.807076	9.836126	9.860677	9.255687	8.90677	9.282941	8.913497	8.507855	8.707294	9.218969	9.366858	9.335783	8.608628	8.687789	8.663347
CNOT7	ENSG00000198791	-0.30284	6.519214	-7.23979	1.17E-06	6.29E-06	4.967043	6.962565	6.976637	6.972745	6.573146	6.495526	6.566424	6.655407	6.695276	6.777641	6.439576	6.440218	6.448971	6.260335	6.256285	6.257287	6.256781	6.333415	6.27344
TMEM184B	ENSG00000198792	0.120645	5.91622	2.155803	0.045305	0.068003	-5.56925	5.86008	5.642269	5.801441	5.68113	5.938464	5.688828	5.67619	5.567996	5.719525	6.153685	6.068559	6.06625	6.389816	6.20921	6.282691	6.145318	6.036884	6.010044
MTOR	ENSG00000198793	0.349333	6.266523	5.226569	6.26E-05	0.000196	0.884155	5.641082	5.639833	5.850403	6.320926	6.287422	6.34422	6.051319	5.967735	5.842866	6.572048	6.547358	6.424122	6.694173	6.665316	6.653142	6.574416	6.520275	6.557723
SCAMP5	ENSG00000198794	0.71964	2.968439	6.049195	1.16E-05	4.51E-05	3.200923	2.933205	3.027527	2.99819	3.875646	3.820593	3.776446	2.696258	2.596487	2.748518	2.856146	2.889287	3.018425	3.416036	3.487446	3.454098	2.924322	3.37582	2.880366
ALPK2	ENSG00000198796	0.63499	2.132718	1.547736	0.139601	0.184807	-5.18632	7.412024	7.443391	7.437839	8.153251	8.060174	8.124447	7.620582	7.585526	7.545711	0.34397	0.398185	0.288049	0.234608	0.190544	0.106501	0.106501	0.106501	0.214669
LRIG2	ENSG00000198799	0.323705	4.216901	4.05094	0.00079	0.001837	-1.29914	4.2778	4.058659	4.195052	4.392481	4.368438	4.480358	4.629578	4.690335	4.467457	4.087524	4.14254	3.982106	4.427684	4.425185	4.377153	4.108069	4.134537	4.080593
MT-CO1	ENSG00000198804	0.665185	10.52654	5.276526	5.64E-05	0.000179	0.713349	10.33793	10.27854	10.23173	11.14292	11.25261	11.19483	11.28112	10.95807	11.2456	10.25779	9.929086	9.997987	10.36296	10.56001	10.49822	9.96047	10.00054	10.00656
PNP	ENSG00000198805	-0.77347	7.516618	-6.1848	8.82E-06	3.56E-05	2.808867	7.404062	7.362234	7.348478	6.982739	6.902042	7.00726	8.183566	8.13731	8.233682	7.964042	7.926098	7.984693	6.864134	6.867149	6.874341	7.803872	7.79294	7.815731
PAX9	ENSG00000198807	-0.85057	4.390747	-12.4037	4.29E-10	9.58E-09	13.31319	3.420312	3.537122	3.576275	3.290819	3.242978	3.152687	3.423261	3.318907	3.373665	6.041432	6.042395	6.115147	5.109264	5.160118	5.071593	5.582622	5.578995	5.649533
GK	ENSG00000198814	0.231611	2.349669	1.084983	0.292668	0.354131	-6.22519	2.109269	2.425906	2.423483	2.864145	3.295295	3.247073	3.238915	3.462004	3.437684	2.409929	2.42184	2.369387	2.062048	1.819936	2.10048	2.554269	2.500854	2.668457
FOXJ3	ENSG00000198815	0.612947	5.916339	10.49824	5.69E-09	7.51E-08	10.54398	5.429176	5.393175	5.258094	6.144804	6.108926	6.202215	6.119658	6.060626	6.01011	5.698525	5.785907	5.580563	6.189971	6.120934	6.114114	6.242181	6.185314	6.302841
ZNF358	ENSG00000198816	0.590938	3.385035	5.561947	3.11E-05	0.000106	2.08254	2.965042	3.260998	3.148134	3.255206	3.441741	3.18484	3.115825	3.196885	3.340558	3.411958	3.547323	3.691009	4.330668	4.190213	4.306856	3.928936	3.667508	3.487904
SFT2D1	ENSG00000198818	-0.26549	5.27198	-3.29666	0.004137	0.008026	-3.13508	5.79071	5.745568	5.794633	5.506594	5.399687	5.66623	5.875913	5.767957	5.839908	5.242946	5.059262	5.131452	4.808355	4.968095	4.829829	4.691084	4.81246	4.684858
CHAMP1	ENSG00000198824	-0.35784	5.251049	-5.47917	3.69E-05	0.000124	1.591997	5.417718	5.496413	5.372225	5.087795	4.939117	5.219282	5.54317	5.458458	5.559688	5.481405	5.374467	5.4389	5.042999	5.014952	5.156493	5.319295	5.121165	5.177863
INPP5F	ENSG00000198825	-0.4455	4.37723	-4.76597	0.000167	0.000465	0.189442	4.825019	4.881217	4.874926	4.236852	4.091068	4.293939	3.965091	4.09991	3.935772	4.710546	4.806033	4.601264	4.464081	4.455227	4.355551	4.581158	4.534411	4.365096
ARHGAP11	ENSG00000198826	-1.65439	5.294022	-6.69786	3.25E-06	1.51E-05	4.196077	5.964175	5.959918	5.841623	5.294904	5.217382	5.280077	6.362363	6.409631	6.220361	5.785068	5.771644	5.748815	3.18974	3.272884	3.137101	5.59328	5.639643	5.552378
SUCNR1	ENSG00000198829	1.763273	1.616327	3.255321	0.004527	0.008701	-2.1255	6.159124	6.234694	6.003871	8.043357	7.891999	7.991586	8.134863	8.199344	8.175614	0.190076	0.185134	0.288049	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
HMGN2	ENSG00000198830	-0.18812	7.404797	-3.23841	0.004697	0.008992	-3.5517	7.162016	7.151831	7.068973	7.206682	7.179939	7.126903	7.319577	7.435578	7.31591	7.76208	7.687387	7.755541	7.363547	7.362762	7.353367	7.696756	7.759625	7.737992
SELENOM	ENSG00000198832	1.560551	3.866019	10.15259	9.45E-09	1.13E-07	10.36848	4.574623	4.614695	4.621585	6.272761	6.352653	6.208094	4.792514	4.690335	4.849226	2.14259	2.115463	2.693003	3.318207	3.512154	3.225499	3.043104	2.649824	2.570068
UBE2J1	ENSG00000198833	-0.03234	5.984579	-0.66195	0.516635	0.578711	-7.47523	6.405248	6.36133	6.42563	6.398473	6.397219	6.453835	6.473082	6.310139	6.433574	5.593087	5.5776	5.561577	5.47622	5.528368	5.487671	5.794488	5.716735	5.767446
GJC2	ENSG00000198835	0.031084	-0.26374	0.105533	0.917155	0.932356	-6.2234	1.235614	0.875715	1.62731	1.256461	1.006428	1.422231	1.459147	1.85606	1.674905	0.415169	0.524532	0.449284	0.562188	0.550009	0.335616	1.017342	0.637375	1.115245
OPA1	ENSG00000198836	0.331748	6.2525	8.886308	6.77E-08	5.73E-07	7.94034	5.864307	6.03228	6.033084	6.36336	6.237045	6.340657	6.309508	6.375885	6.31288	6.120784	6.084032	6.078631	6.388095	6.435972	6.417024	6.479942	6.473282	6.55129
DENND4B	ENSG00000198837	-0.03563	6.528851	-0.9219	0.36913	0.434006	-7.36423	6.539499	6.441838	6.617852	6.551287	6.537759	6.48806	6.587536	6.547971	6.598441	6.559335	6.646221	6.512708	6.564555	6.545754	6.425343	6.54818	6.554279	6.542236
ZNF277	ENSG00000198839	0.787237	3.707993	7.311192	1.03E-06	5.62E-06	5.545139	3.17016	3.657602	3.24453	4.161901	3.747367	4.000731	4.13321	3.999201	3.968647	3.60703	3.390227	3.45816	4.215053	4.250194	4.364231	3.711377	3.942484	3.761956
MT-ND3	ENSG00000198840	0.380116	7.66231	3.828837	0.001287	0.002824	-2.28263	7.814441	7.654789	7.621509	7.845017	8.012789	7.792739	8.136183	7.717389	7.534776	7.326523	7.395003	7.042551	7.672584	7.849212	7.905735	7.582829	7.755064	7.397082
KTI12	ENSG00000198841	-0.11794	4.41387	-1.70798	0.105339	0.144222	-6.01838	4.584905	4.719916	4.73022	4.502891	4.648682	4.690911	4.496094	4.389749	4.444269	4.359822	4.399113	4.469576	4.257146	4.312477	4.242405	4.555953	4.362748	4.520707
SELENOT	ENSG00000198843	0.0928	6.578959	1.562305	0.13614	0.180829	-6.59291	6.397977	6.476378	6.348712	6.732178	6.610109	6.766914	6.867405	6.862281	6.909066	6.521518	6.508705	6.479636	6.420449	6.441343	6.388589	6.643559	6.629972	6.698276
TOX	ENSG00000198846	0.219558	-0.35424	0.685503	0.502018	0.564122	-6.33875	0.882475	0.736739	0.421314	0.258133	0.389229	0.106501	0.269385	0.387194	0.256032	1.352446	1.672391	1.718241	2.178139	2.148862	2.07955	1.734264	1.851139	1.546329
RUSC2	ENSG00000198853	-0.63714	5.334746	-3.62903	0.001997	0.004201	-2.37415	6.750589	6.675021	6.72914	5.487537	5.703792	5.428451	6.259498	6.234624	6.371418	4.521821	4.494836	4.425022	4.690417	4.619633	4.512148	4.61293	4.773297	4.515429
FICD	ENSG00000198855	0.49534	3.059412	3.367158	0.003546	0.006978	-2.4463	3.701161	3.695626	3.828148	4.54774	4.360275	4.315882	3.315502	3.491964	3.668646	2.708071	2.437987	2.382761	2.770846	2.612083	2.618601	2.731965	2.535313	2.760563
OSTC	ENSG00000198856	0.010633	6.532846	0.259731	0.798106	0.831864	-7.75001	6.675605	6.802456	6.633196	6.762618	6.580549	6.737409	6.88636	6.967319	6.927299	6.212331	6.209259	6.235211	6.275309	6.176092	6.292956	6.452888	6.515967	6.542236
R3HDM4	ENSG00000198858	-0.01369	5.654219	-0.18942	0.851947	0.877579	-7.65768	5.806172	5.792378	5.893516	5.790912	5.830334	5.867836	5.736627	5.602735	5.703339	5.481405	5.438064	5.564514	5.522452	5.464391	5.449434	5.845901	5.779172	5.738293
TSEN15	ENSG00000198860	-0.75508	6.262362	-10.7878	3.76E-09	5.42E-08	10.94666	6.819693	6.8187	6.799965	5.800209	5.757614	5.830214	6.54443	6.629411	6.579055	6.416987	6.341745	6.403766	5.82048	5.890637	5.905471	6.29319	6.196124	6.233818
LTN1	ENSG00000198862	0.143993	5.444859	1.858193	0.080068	0.113147	-6.02186	4.730936	4.830853	4.904734	5.294904	5.171467	5.35617	5.198536	4.987092	5.087374	5.97524	6.071149	5.800804	5.855776	5.943067	5.917315	5.906981	5.768349	5.845233
RUNDC1	ENSG00000198863	-0.09453	5.838624	-2.58835	0.018845	0.031045	-4.70457	5.995343	5.96187	6.011719	5.927278	5.970993	5.963613	6.148732	6.138456	6.206646	5.764766	5.694779	5.659606	5.508262	5.583812	5.596651	5.808277	5.844183	5.780706
GRK5	ENSG00000198873	-0.55783	2.056411	-3.07894	0.006639	0.012266	-3.00066	1.861169	1.591918	1.706811	2.063099	2.333126	1.919272	1.459147	1.85606	1.777424	3.385609	3.023743	3.38694	2.466086	2.612083	2.399663	3.113899	3.160915	3.291935
TYW1	ENSG00000198874	-0.0484	5.272626	-1.02317	0.320181	0.383544	-7.07215	5.266237	5.325066	5.207739	5.185634	5.321958	5.261353	5.574674	5.571508	5.548858	5.319175	5.22894	5.210458	5.231389	5.198683	5.076884	5.390277	5.353756	5.323893
DCAF12	ENSG00000198876	0.987647	5.910526	10.53814	5.37E-09	7.24E-08	10.599	4.712298	4.673038	4.753809	5.743505	5.806499	5.751893	6.108939	5.967735	6.059269	5.829728	5.945483	5.780738	6.781327	6.750852	6.777756	6.416342	6.552177	6.473133
SFMBT2	ENSG00000198879	0.725205	-0.89992	3.560785	0.00232	0.004795	-1.44959	2.744313	2.693541	2.916938	3.376187	3.502343	3.643939	3.916741	3.809996	3.832397	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
MT-ND4	ENSG00000198886	0.269236	10.02017	3.443829	0.002998	0.006018	-3.26203	10.6391	10.56757	10.39834	10.84172	10.91816	10.86497	10.68723	10.37567	10.72426	9.593506	9.162051	9.42396	9.462683	9.679963	9.616943	9.097417	9.160493	9.177935
SMC5	ENSG00000198887	-0.19879	6.735397	-2.48101	0.023535	0.037921	-5.04813	6.416805	6.378964	6.454708	6.554953	6.604936	6.584614	6.564183	6.59359	6.481819	7.210601	7.160311	7.200054	6.660351	6.751716	6.748219	7.045251	7.06167	7.019541
MT-ND1	ENSG00000198888	1.002947	8.438167	7.60404	6.06E-07	3.56E-06	5.509604	8.052999	8.023742	7.849906	9.379173	9.503269	9.37346	8.935683	8.611213	9.001168	8.088374	7.664412	7.913912	8.29114	8.579508	8.492377	8.037084	8.061398	8.111242
PRMT6	ENSG00000198890	0.307407	5.949216	5.493491	3.59E-05	0.00012	1.498344	5.509634	5.452673	5.587063	6.028317	5.989635	6.0137	5.771031	5.75257	5.751363	5.994256	6.041075	6.06106	6.184032	6.20795	6.218323	6.299712	6.339522	6.322618
SHISA4	ENSG00000198892	0.899902	3.879056	13.66268	9.19E-11	3.09E-09	14.98354	4.333741	4.223893	4.363979	5.097883	5.104628	5.191857	4.185161	4.397684	4.355908	3.002038	3.106888	3.00983	3.90909	3.946112	3.849837	3.358427	3.116085	3.267027
CIPC	ENSG00000198894	-0.01728	4.858761	-0.2573	0.79995	0.833298	-7.55669	4.635242	4.619648	4.363979	4.350907	4.149079	4.226032	4.420085	4.436718	4.3476	5.351299	5.446069	5.322271	5.479457	5.464391	5.51326	5.406484	5.547687	5.347846
CAPZA2	ENSG00000198898	0.185222	7.156578	4.316566	0.000442	0.001098	-1.16875	7.270302	7.208816	7.216333	7.572221	7.466124	7.455695	7.272324	7.390561	7.371258	7.011039	6.976317	6.944496	7.040473	7.111754	7.098314	6.814986	6.897528	6.889924
MT-ATP6	ENSG00000198899	0.61543	8.585934	5.870152	1.66E-05	6.15E-05	2.084945	8.462165	8.400947	8.226779	9.180793	9.192432	9.102853	9.248685	8.944839	9.305902	8.292428	7.873271	8.103048	8.391404	8.635636	8.543665	8.159571	8.305232	8.250381
TOP1	ENSG00000198900	-0.59125	8.011427	-9.47977	2.63E-08	2.61E-07	8.777366	8.017382	8.017657	7.933878	7.608836	7.562662	7.599791	7.821063	7.804277	7.757279	8.517908	8.458746	8.570444	7.7416	7.777988	7.801345	8.429651	8.41889	8.472952
PRC1	ENSG00000198901	-1.58473	5.7547	-5.65939	2.55E-05	8.89E-05	2.011674	6.523553	6.426375	6.437331	5.845818	5.907988	6.011461	6.929642	6.992426	6.892029	6.145857	6.073735	6.167279	3.374919	3.512154	3.353069	6.002031	5.891503	5.847335
BHLHB9	ENSG00000198908	0.72937	2.818293	4.160444	0.000621	0.001484	-0.72535	2.416107	2.49222	2.469799	3.456785	3.531716	3.711713	3.507292	3.26787	3.437684	2.736149	2.969234	3.026968	3.165832	3.173121	3.147195	2.679583	2.680939	2.570068
MAP3K3	ENSG00000198909	0.887653	3.516608	5.080562	8.52E-05	0.000256	1.070757	2.080492	2.258179	2.018628	4.020568	3.844198	3.838399	3.539581	3.685883	3.572114	3.864012	3.848485	3.769472	4.226655	4.190213	4.21867	4.382472	4.273707	4.347382
L1CAM	ENSG00000198910	1.653572	1.81754	6.164505	9.18E-06	3.68E-05	3.741546	4.399293	4.543506	4.636889	6.144804	6.19406	6.1624	4.479546	4.68386	4.270596	0.34397	0.330605	0.397516	0.610222	0.837535	0.593579	0.393424	0.759002	0.659518
SREBF2	ENSG00000198911	-0.26077	7.297969	-6.94718	2.02E-06	1.01E-05	4.337216	7.644832	7.6572	7.734306	7.507474	7.504592	7.487462	7.611118	7.508841	7.541165	7.250691	7.22164	7.192479	6.940098	6.835683	6.87586	7.075973	6.982713	6.965411
C1orf174	ENSG00000198912	-0.40954	4.501883	-6.03024	1.20E-05	4.66E-05	2.862079	4.688657	4.724521	4.840087	4.199863	4.573001	4.506036	4.462805	4.341199	4.41276	4.799721	4.780934	4.776148	4.264669	4.335734	4.472558	4.67445	4.660745	4.689552
RASGEF1A	ENSG00000198915	1.159904	1.478093	11.53006	1.35E-09	2.37E-08	12.33144	0.503316	0.582935	0.323815	1.182548	1.2379	1.123626	0.886508	0.622068	0.833554	3.358771	3.232543	3.203153	4.147483	4.340341	4.27499	3.52355	3.595851	3.410407
SPOUT1	ENSG00000198917	-0.00856	6.069342	-0.21092	0.835391	0.863585	-7.75147	5.482394	5.499103	5.519862	5.605366	5.589722	5.477948	5.383345	5.462247	5.420081	6.679883	6.658331	6.719223	6.695565	6.616776	6.619099	6.755339	6.759506	6.735068
RPL39	ENSG00000198918	0.066194	8.323394	1.587461	0.130333	0.174173	-6.69993	8.541183	8.523605	8.475462	8.560859	8.500774	8.493594	8.612368	8.61377	8.648134	8.087012	8.078393	7.95114	8.060186	8.202896	8.225399	8.074966	8.061029	8.195335
DZIP3	ENSG00000198919	-0.3548	3.528369	-2.42446	0.026429	0.042077	-4.46685	4.871956	4.742796	4.831244	4.132759	4.009905	4.293939	4.445869	4.459641	4.305329	2.906434	2.935512	3.043904	3.048706	3.088026	3.281558	2.611312	2.696248	2.442395
KIAA0753	ENSG00000198920	0.040056	4.858543	0.644126	0.527857	0.589437	-7.34558	4.996565	4.941796	5.033667	5.112883	4.745876	5.024275	4.695544	4.765849	4.505294	4.902409	5.016893	4.934378	5.014278	5.128506	4.981384	4.879929	4.891066	4.797858
DCLRE1A	ENSG00000198924	-0.54374	4.561684	-8.15303	2.31E-07	1.58E-06	6.988815	5.618738	5.564777	5.528093	5.132645	4.825118	5.063714	5.324334	5.458458	5.424038	4.071084	4.162112	4.003908	3.703037	3.528394	3.600863	4.137495	4.134537	4.101878
ATG9A	ENSG00000198925	0.513507	6.193858	5.70272	2.33E-05	8.23E-05	1.937253	5.677569	5.668796	5.785507	6.485573	6.613547	6.537145	6.790671	6.510042	6.720882	5.866711	5.911195	5.925985	6.144821	6.161848	6.065712	6.362324	6.311214	6.325637
NOS1AP	ENSG00000198929	-0.80246	0.923318	-3.80632	0.001352	0.002953	-1.24418	1.561356	1.465573	1.088647	0.934951	0.92021	0.3528	0.782422	1.001115	1.564539	2.679436	2.546219	2.460504	2.009285	2.190279	2.07955	1.992244	2.169028	1.910335
CSAG1	ENSG00000198930	0.301804	1.017572	3.194198	0.005171	0.009797	-3.2969	0.318509	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.387194	0.106501	5.610256	5.638252	5.680063	5.979798	5.976004	5.929063	5.806751	5.768349	5.81333
APRT	ENSG00000198931	0.281471	6.842053	5.407788	4.28E-05	0.000141	1.21776	6.506075	6.512775	6.553447	6.699426	6.940877	6.729256	6.558286	6.565688	6.532173	6.829103	6.856044	7.065021	7.243997	7.178235	7.209662	7.223334	7.116043	7.074409
GPRASP1	ENSG00000198932	0.131548	0.068269	0.478164	0.63846	0.690844	-6.30022	0.947665	0.875715	0.898566	1.022291	1.437317	1.367251	1.160105	0.509405	1.38134	1.028404	1.403073	1.277453	0.945898	1.428204	0.910419	1.017342	0.975239	0.872651
TBKBP1	ENSG00000198933	1.158861	2.4735	10.01616	1.16E-08	1.34E-07	10.21486	2.505419	2.61635	2.758051	3.727576	3.796595	3.535905	3.094248	3.141256	3.218306	1.964162	1.8028	2.213454	2.930712	2.756951	2.965187	2.211015	2.212266	1.942153
MAGEE1	ENSG00000198934	0.224337	-0.30348	0.633793	0.534423	0.595695	-6.03198	3.337603	3.128277	3.162305	3.359513	3.012388	3.216292	3.004565	2.894433	2.959482	0.190076	0.106501	0.106501	0.234608	0.190544	0.263213	0.183756	0.2791	0.214669
CCDC167	ENSG00000198937	-0.04047	3.820328	-0.65831	0.518919	0.581048	-7.06216	3.86199	3.952741	3.93931	3.80351	3.867423	3.888069	4.057185	3.89093	4.22597	3.87036	3.830249	3.867863	3.814873	3.852467	3.843644	4.161567	3.910024	3.969186
MT-CO3	ENSG00000198938	0.730707	9.060666	6.532935	4.46E-06	1.98E-05	3.413544	9.017706	8.890552	8.910901	9.877209	9.959966	9.839215	9.96563	9.606446	9.901975	8.553108	8.222557	8.348367	8.731873	8.984362	8.899323	8.45495	8.498823	8.483803
ZFP2	ENSG00000198939	0.368102	0.53637	2.360773	0.030087	0.047127	-4.20107	0.587539	0.582935	0.679585	0.934951	0.828511	0.830331	0.782422	0.509405	0.39151	1.964162	2.135404	1.969371	2.145912	2.250257	2.382676	2.554269	2.429363	2.610232
L3MBTL3	ENSG00000198945	-0.20686	3.430652	-2.36545	0.029803	0.046754	-4.74699	3.509372	3.557914	3.39613	3.408969	3.426184	3.247073	2.696258	2.871824	2.643847	4.043261	4.117695	4.079775	3.840269	3.940055	3.843644	3.836267	3.942484	3.856822
DMD	ENSG00000198947	0.571316	3.236094	2.690414	0.01522	0.025664	-4.04226	2.629805	2.576149	2.830836	2.359902	2.605925	2.164723	3.555458	3.506713	3.421943	3.785574	3.539861	3.652879	4.43437	4.442428	4.550681	3.775173	3.765107	3.716682
MFAP3L	ENSG00000198948	0.531654	1.554886	2.093397	0.051185	0.076012	-4.442	3.903656	4.101775	3.914407	4.63346	4.447623	4.627987	4.4712	4.474723	4.396744	0.7264	0.398185	0.683459	0.352262	0.7293	0.533283	0.789161	0.871168	0.409347
NAGA	ENSG00000198951	0.4184	5.375584	3.474589	0.002803	0.005667	-2.73306	5.583279	5.612764	5.656289	6.340176	6.452019	6.382847	6.249772	6.328935	6.389741	4.755823	4.68948	4.801266	4.662213	4.67539	4.739314	4.755763	4.680124	4.731125
SMG5	ENSG00000198952	0.293041	7.912265	4.686946	0.000198	0.000539	-0.42026	7.452593	7.399428	7.415828	7.596438	7.607319	7.591569	8.019406	7.945621	7.931365	8.005006	7.939983	7.921664	8.389899	8.288224	8.338185	8.218988	8.236865	8.236414
KIFBP	ENSG00000198954	-0.01345	5.270643	-0.23393	0.817755	0.848866	-7.55705	5.799565	5.852519	5.826129	5.971842	5.850871	5.880161	5.661594	5.666521	5.566863	5.012691	4.799799	4.885889	4.795429	4.774033	4.817241	4.9115	4.725598	4.802199
TGM2	ENSG00000198959	0.150719	8.072483	1.022376	0.320546	0.383885	-7.37433	8.901431	8.868616	8.903802	8.453489	8.605923	8.524939	8.711354	8.53861	8.639227	7.023197	7.006405	6.982875	7.766984	7.622616	7.714916	7.728123	7.72459	7.698949
ARMCX6	ENSG00000198960	1.829656	3.946669	8.859317	7.07E-08	5.93E-07	8.322328	3.530804	3.608619	3.359697	5.790912	5.745129	5.73299	5.374422	5.293887	5.388034	2.83033	2.991286	2.816411	3.640803	3.731427	3.658454	3.218571	3.277464	3.202807

PJA2	ENSG00000198961	0.758623	6.500092	8.461816	1.37E-07	1.02E-06	7.181787	5.962204	5.930325	5.963976	7.044025	6.783426	6.913232	6.540447	6.586665	6.445301	6.444902	6.446217	6.351158	6.928304	7.010614	7.026995	6.23766	6.261907	6.428903
SGMS1	ENSG00000198964	0.600479	4.854245	2.916906	0.009409	0.016709	-3.80409	4.933595	4.925889	5.052811	6.286057	6.147385	6.215895	5.712047	5.727605	5.791729	4.341661	4.327249	4.314216	4.046359	3.976023	3.974116	4.236002	4.232297	4.197255
SNORD104	ENSG00000199753	0.56344	0.279109	2.375394	0.029207	0.045916	-3.91517	1.12723	0.8079	1.028027	1.519216	1.666451	1.575618	1.074544	1.15884	1.244857	0.781331	1.228418	1.158083	1.018891	1.2438	1.129895	0.837776	1.406038	1.370407
7SK	ENSG00000202198	0.460186	4.66663	3.422855	0.003139	0.006263	-2.80279	4.456406	5.247194	4.042515	4.815644	4.998178	4.756563	4.437325	4.796183	4.497806	4.660143	4.555295	4.657367	5.152484	5.226323	5.176344	4.650836	4.668528	4.268007
ZNF525	ENSG00000203326	0.005834	2.041049	0.052203	0.958959	0.966091	-7.51599	1.069823	0.499412	0.512639	0.52061	0.512209	0.3528	0.782422	0.622068	0.106501	5.458414	5.489323	5.435695	5.474599	5.562284	5.437146	5.700678	5.593376	5.617869
NA	ENSG00000203386	0.520819	-1.53168	2.812204	0.011765	0.020395	-3.12606	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	1.490718	1.369793	1.46518	1.878105	1.622273	1.900186	1.482378	1.645686	1.739782
INF2	ENSG00000203485	0.485245	7.604394	5.674696	2.47E-05	8.65E-05	1.719748	7.168012	7.210458	7.369244	7.464263	7.65981	7.380469	7.218494	7.085019	7.237147	7.444494	7.505427	7.590282	8.23958	8.148444	8.169857	8.054222	8.108647	7.96742
IQANK1	ENSG00000203499	-0.35085	3.773289	-3.29096	0.004188	0.008111	-3.18058	2.629805	2.674627	2.446827	1.74141	1.612488	1.669505	1.459147	1.430416	1.244857	6.311303	6.258958	6.206354	6.078073	5.970071	5.911405	6.342456	6.380376	6.386167
AC083799.	ENSG00000203644	0.575891	2.860846	6.995	1.85E-06	9.31E-06	5.056831	2.416107	2.576149	2.514675	3.162124	3.012388	2.763128	2.513265	2.981485	2.82232	3.155466	3.136872	3.149392	3.587808	3.779712	3.665494	3.209363	3.297679	3.340497
LINC01285	ENSG00000203650	-0.20108	-0.68511	-0.78801	0.44125	0.50565	-6.25209	0.318509	0.316291	0.219246	0.106501	0.389229	0.2349	0.269385	0.253663	0.106501	1.840286	1.827525	1.562415	1.420179	1.560439	1.923865	2.368215	2.124453	2.48622
EFCAB2	ENSG00000203666	0.674093	3.071778	5.70874	2.30E-05	8.15E-05	2.528597	2.744313	2.674627	2.492412	3.472378	3.588725	3.548316	3.617275	3.506713	3.655245	2.990428	3.013005	3.060643	3.36795	3.38415	3.445943	3.133504	3.467897	3.241681
COX20	ENSG00000203667	0.275835	5.633467	5.981741	1.32E-05	5.07E-05	2.587322	5.905908	5.924332	5.878573	6.23212	6.298145	6.265599	5.719113	5.848324	5.875015	5.29814	5.265591	5.313568	5.392856	5.512128	5.532641	5.235596	5.238226	5.220652
CHML	ENSG00000203668	-0.25211	7.290105	-2.10669	0.049877	0.07424	-5.71953	8.415041	8.423427	8.465496	8.038783	7.961099	8.0533	8.94814	8.965674	8.935128	6.180754	6.186741	6.113142	6.154977	6.156634	6.065712	6.063366	6.173056	6.154551
CAPN8	ENSG00000203697	-1.3114	1.209852	-10.0711	1.07E-08	1.24E-07	10.08655	0.587539	0.661886	0.512639	0.258133	0.106501	0.2349	0.106501	0.106501	0.106501	5.710958	5.747555	5.583462	4.420966	4.376675	4.468538	5.539185	5.515684	5.600528
TATDN3	ENSG00000203705	-0.23353	3.630601	-2.09883	0.050647	0.075291	-5.07078	4.798758	4.624584	4.647003	4.236852	4.284653	4.256608	4.792514	4.603806	4.674259	2.790717	3.106888	3.026968	3.004458	3.109775	3.126936	2.901634	2.934355	2.863849
SERTAD4-A	ENSG00000203706	-0.39695	1.507053	-2.01528	0.05952	0.086993	-4.79518	2.27083	2.425906	2.37563	1.457877	1.666451	1.475193	2.186178	1.988058	2.005764	1.98771	1.672391	2.16783	1.878105	2.084417	2.18129	1.809319	2.030948	1.703111
MIR29B2CI	ENSG00000203709	1.511774	1.098882	6.318804	6.77E-06	2.83E-05	4.024258	1.235614	1.420874	1.358564	2.688367	2.229385	2.961768	1.588238	1.85606	2.005764	0.88529	1.112482	0.993481	1.420179	2.039797	1.826726	1.627702	1.645686	1.973284
RAET1G	ENSG00000203722	1.577732	0.266096	7.41452	8.52E-07	4.78E-06	5.990938	0.814199	0.8079	1.30847	2.063099	2.078331	1.840725	1.074544	1.549165	1.244857	0.834246	0.89579	0.683459	1.420179	1.793303	1.456457	0.738851	0.637375	0.805046
C1orf53	ENSG00000203724	0.524846	2.277479	3.556128	0.002344	0.00484	-1.89083	2.589523	2.76681	2.900124	2.97776	3.132285	2.924168	2.884002	3.023117	2.697131	1.787595	1.922393	2.34226	2.529911	2.686334	2.661487	2.494877	2.006592	1.942153
SAMD5	ENSG00000203727	0.736208	2.770259	4.066954	0.000763	0.00178	-0.66737	4.988842	5.063109	4.978671	5.904469	5.806499	5.783733	5.405414	5.348128	5.363523	1.158593	1.029669	1.094478	0.945898	1.032323	1.046067	1.482378	1.072305	1.273688
CENPW	ENSG00000203760	-0.66995	2.129479	-3.48828	0.00272	0.005522	-1.92504	2.609804	2.232543	2.5366	2.457149	2.398361	2.429135	3.523527	3.633086	3.357206	2.18395	2.267764	2.447834	1.392977	1.320413	1.423614	2.679583	2.908298	2.742606
MSTO2P	ENSG00000203761	-0.14472	1.786453	-0.76389	0.45512	0.519122	-6.52998	1.927307	1.915637	1.744977	2.48816	2.078331	2.719893	1.525136	1.809233	1.873138	2.664903	2.590228	2.649405	2.193986	2.10622	2.10048	2.135245	2.169028	2.48622
FAM229B	ENSG00000203778	0.624569	1.611671	4.342657	0.000417	0.001043	-0.17704	1.561356	1.508929	1.78216	2.255624	2.155834	2.581827	1.389995	1.430416	1.314712	2.163418	2.212518	2.25768	2.626498	2.642244	2.481722	2.35157	2.410923	1.877799
EEF1AKMT	ENSG00000203791	-0.58326	1.729452	-3.55633	0.002343	0.004839	-1.72001	3.142584	2.870177	2.865896	2.063099	2.03796	2.346268	2.933443	3.023117	2.981126	1.704765	1.467416	1.585733	1.473091	1.681564	1.488568	1.809319	1.795362	1.626848
DDO	ENSG00000203797	-0.79397	-1.06001	-1.86746	0.078701	0.111414	-4.59084	3.100204	2.935191	3.029452	2.291228	2.117603	2.098749	2.102195	2.568641	2.34318	0.106501	0.106501	0.16959	0.106501	0.106501	0.263213	0.106501	0.2791	0.106501
H2BC18	ENSG00000203814	1.405158	0.922768	9.874282	1.43E-08	1.60E-07	10.00543	0.587539	0.736739	0.598525	1.393812	0.92021	1.188496	0.269385	1.001115	0.629397	2.320032	2.285719	2.314614	3.575762	3.629721	3.421201	2.095813	2.410923	2.350536
ATP1A1-AS	ENSG00000203865	-0.29598	0.407788	-1.01237	0.325172	0.388527	-6.04536	1.384302	1.327092	1.256574	0.52061	0.625525	0.461789	1.525136	0.622068	0.833554	1.555182	1.616737	1.820066	1.818016	1.946191	2.014873	1.45147	1.206659	1.665483
RBM20	ENSG00000203867	-1.10792	-0.63855	-3.71946	0.001637	0.003511	-1.12651	4.321496	4.150501	4.174224	3.020814	3.410458	2.998412	2.832807	2.938616	2.588518	0.190076	0.185134	0.106501	0.171976	0.106501	0.106501	0.106501	0.106501	0.106501
SNHG5	ENSG00000203875	-0.01987	5.50109	-0.33213	0.743741	0.785671	-7.42323	7.106003	7.085359	6.959619	7.087706	7.001181	7.042781	7.100351	7.077629	7.144275	3.991785	3.907656	3.990867	3.90909	3.958151	3.898452	4.151986	4.288934	4.274271
GDI1	ENSG00000203879	0.083933	7.902936	1.66659	0.113415	0.153903	-6.55079	8.110621	8.103691	8.084729	8.286019	8.266983	8.345452	8.249712	8.101927	8.129718	7.583797	7.564994	7.618467	7.609362	7.558329	7.515556	7.773345	7.717105	7.74759
PCMTD2	ENSG00000203880	0.287484	5.087713	3.692619	0.001736	0.003705	-2.30047	4.896929	5.003727	4.822347	4.851861	4.905853	5.207592	4.851577	5.127313	4.923769	5.136363	5.26106	5.210458	5.542705	5.566222	5.701404	5.100173	5.187669	5.070394
LINC00632	ENSG00000203930	-0.86689	-0.04368	-2.42508	0.026396	0.042029	-3.66413	2.996191	3.209365	3.090013	2.457149	2.264801	2.258349	2.981245	3.477062	3.437684	0.269074	0.259702	0.499259	0.171976	0.26996	0.263213	0.393424	0.2791	0.106501
RTL8A	ENSG00000203950	0.429614	5.920627	7.043789	1.69E-06	8.58E-06	4.652431	5.83014	5.904176	5.906203	6.009737	6.173243	6.117296	6.025902	5.902309	5.953754	5.556156	5.575777	5.764226	6.237578	6.190196	6.238527	5.875309	5.924377	5.830433
EFCAB7	ENSG00000203965	0.415084	2.76947	4.542457	0.00027	0.000712	0.088983	3.085796	2.513665	2.94999	3.237064	2.970101	3.051692	2.884002	3.002451	2.981126	2.83033	2.804649	2.766268	3.221013	3.263212	3.225499	2.913023	2.972579	2.880366
ARRDC1-AS	ENSG00000203993	-0.04533	3.697945	-0.62943	0.537209	0.598379	-7.14557	3.662849	3.505362	3.431666	3.51817	3.295295	3.377995	3.19904	3.335526	3.586306	4.318634	4.301006	4.34529	4.431031	4.164465	4.338034	3.928936	3.955266	3.937965
ZYG11A	ENSG00000203995	-0.12359	2.246753	-0.74407	0.466721	0.530104	-6.60084	2.27083	2.009193	1.954926	1.634586	1.666451	1.840725	2.884002	2.894433	3.124172	2.693825	2.912585	2.649405	2.770846	2.797719	2.743612	3.022222	2.985098	3.079476
LINC01270	ENSG00000203999	0.150623	1.734883	0.522484	0.607893	0.664127	-6.43469	3.262728	3.657602	3.466347	4.009923	3.820593	3.9455	3.238915	3.250449	3.406029	1.239286	1.029669	1.387696	0.656707	0.986036	0.651457	1.387593	1.118494	1.273688
CT83	ENSG00000204019	0.348098	-0.10242	3.757554	0.001505	0.003256	-1.80517	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.217694	3.958911	4.260892	4.34138	4.612034	4.500385	3.61006	3.903444	3.848451
LINC00963	ENSG00000204054	0.206448	5.586082	3.677969	0.001793	0.003819	-2.40708	5.474121	5.466485	5.472309	5.790912	5.896744	5.827671	5.392213	5.521547	5.54523	5.671517	5.752405	5.728007	5.810235	5.752296	5.80545	5.336314	5.415183	5.448204
SYS1	ENSG00000204070	0.40863	5.574372	7.103063	1.51E-06	7.81E-06	4.801474	5.278958	5.520446	5.449376	5.657452	5.543607	5.663381	5.457042	5.45466	5.400136	5.435051	5.4835	5.540848	6.047871	5.973041	6.06038	5.685817	5.59133	5.659138
INPP5B	ENSG00000204084	0.041345	3.567359	0.527247	0.604651	0.661092	-7.15512	2.9807	3.100202	3.231147	3.237064	3.207016	3.377995	3.457463	3.351955	3.513908	4.232554	4.127684	4.050743	4.151547	4.056619	4.093761	4.031767	3.986735	4.299055
MAFB	ENSG00000204103	1.691414	-0.85562	5.747588	2.13E-05	7.60E-05	2.935238	0.106501	0.106501	0.106501	0.395333	0.625525	0.563119	0.269385	0.253663	0.515351	1.278001	1.498542	1.305813	2.129525	2.127698	1.992654	1.320757	1.2488	1.273688
TRAF3IP1	ENSG00000204104	-0.10418	5.308643	-1.99697	0.061643	0.089773	-5.71585	5.689529	5.776943	5.867803	5.765822	5.53638	5.711078	5.387786	5.543171	5.598715	5.101711	5.059262	5.183964	5.045184	5.01783	5.000996	4.947942	4.975054	5.033946
CHIC1	ENSG00000204116	0.420119	4.814454	6.594625	3.96E-06	1.78E-05	3.972619	5.042051	4.893538	4.866295	5.388282	5.321958	5.490866	5.08826	5.310795	5.121883	4.318634	4.532919	4.286022	4.779762	4.70069	4.670996	4.515433	4.547132	4.753714
GIGYF2	ENSG00000204120	-0.13145	6.680894	-3.22033	0.004885	0.009315	-3.52538	6.731048	6.790427	6.824679	6.676049	6.573505	6.760261	6.680963	6.540823	6.681763	6.787781	6.871731	6.710631	6.663911	6.652407	6.608179	6.716056	6.629972	6.61683
C2orf72	ENSG00000204128	-0.68211	1.337206	-1.86797	0.078626	0.111352	-4.86308	2.850396	3.012542	3.176339	2.661411	3.31232	2.865864	2.545421	2.481727	2.77354	1.315703	1.265082	1.360915	0.46104	0.550009	0.593579	1.482378	1.766644	1.461048
RUFY2	ENSG00000204130	-0.51959	4.527597	-5.99381	1.29E-05	4.97E-05	2.869225	5.706108	5.772502	5.727119	5.0571	4.955466	5.072334	5.131269	5.331655	5.330179	4.03198	3.854512	4.003908	3.680716	3.772912	3.824901	3.793775	3.948889	3.814473
PHACTR4	ENSG00000204138	0.180352	5.953618	3.852749	0.001221	0.002695	-2.09708	5.379837	5.387379	5.344527	5.587578	5.738846	5.688828	5.465469	5.298133	5.443658	6.550467	6.560324	6.439403	6.620596	6.618673	6.607265	6.275652	6.267043	6.348078
ASAH2B	ENSG00000204147	-0.62497	3.574358	-7.59969	6.10E-07	3.59E-06	6.169013	4.495082	4.389636	4.652033	3.944346	3.832443	4.045196	4.479546	4.583078	4.527529	3.437834	3.322263	3.360144	2.802201	2.714997	2.833866	3.200096	3.022017	3.121769
AGAP6	ENSG00000204149	-0.35557	2.850735	-3.96602	0.000952	0.002168	-1.16378	3.498536	3.417081	3.408073	3.308302	3.225109	2.784269	3.137083	3.043491	3.044176	3.047564	3.223257	2.983737	2.781373	2.729118	2.883013	2.666185	2.841019	2.830235
TIMM23B	ENSG00000204152	-0.51438	3.724469	-6.21665	8.28E-06	3.37E-05	3.477127	4.375799	4.538284	4.382257	3.863871	3.734793	3.818042	4.504297	4.533523	4.542164	3.681119	3.584062	3.346558	3.228726	3.162755	3.19663	3.560228	3.494411	3.571657
ZDHHC18	ENSG00000204160	-0.59346	6.164275	-3.82187	0.001307	0.002863	-2.16245	6.741426	6.671448	6.720785	5.338099	5.589722	5.394483	6.017329	5.851216	5.91773	6.359482	6.277022	6.322816	6.327426	6.147463	6.249109	6.49707	6.472171	6.449805
AGAP9	ENSG00000204172	-0.37733	1.60529	-2.67579	0.015696	0.026385	-3.55723	2.548084	2.37994	2.300736	2.359902	1.864131	2.374422	2.607661	2.255906	2.165532	1.91588	1.989662	1.969371	1.621093	1.428204	1.801384	1.85727	1.613793	1.703111
BMS1P1	ENSG00000204177	0.040069	0.800595	0.217492	0.830344	0.859428	-6.53354	1.336422	1.551021	1.406977	1.022291	1.307481	1.669505	1.588238	1.760835	1.171446	1.787595	1.467416	1.514616	1.689764	1.710321	1.667532	1.286141	1.368306	1.370407
MACO1	ENSG00000204178	0.478837	4.304733	5.731268	2.20E-05	7.83E-05	2.250172	3.710582	3.829904	3.745844	4.350907	4.470555	4.194794	4.111894	4.230044	4.170531	4.451587	4.662249	4.651854	5.023176	5.020703	4.903135	4.357681	4.419196	4.551975
PTPN20	ENSG00000204179	-0.44478	-0.33806	-2.60753	0.018107	0.029946	-3.37471	4.702888	4.644161	4.631806	4.209199	4.1957	4.202668	4.245129	4.519046	4.41276	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZDBF2	ENSG00000204186	-0.80342	3.41128	-7.71818	4.94E-07	2.99E-06	6.437952	5.237197	5.123634	5.134153	4.342447	4.318753	4.372816	4.637058	4.644388	4.770621	2.589954	2.935512	3.001185	2.28558	2.148862	2.416453	2.400938	2.030948	2.350536
DAXX	ENSG00000204209	0.074889	6.142224	2.20412	0.041185	0.062464	-5.52998	5.310279	5.337144	5.3383	5.396478	5.465853	5.481188	5.30568	5.237527	5.216162	7.006724	6.961733	6.944496	7.060061	7.010614	6.99172	6.962035	7.005168	6.968311
BMPR2	ENSG00000204217	1.193011	5.811459	10.80962	3.64E-09	5.30E-08	11.01366	4.988842	5.081176	5.197454	6.704387	6.674071	6.769567	5.729647	5.774066	5.748211	5.508112	5.698134	5.386751	6.351471	6.256285	6.373622	5.621323	5.59133	5.659138
TCEA3	ENSG00000204219	0.677246	1.362051	4.437399	0.000339	0.00087	-0.16771	1.235614	0.8079	1.256574	0.635873	0.730585	0.984419	0.886508	0.509405	0.515351	2.943032	2.900983	3.141546	3.663745	3.903166	3.780199	3.341669	3.2466	3.149291
PFDN6	ENSG00000204220	-0.41552	5.922651	-4.81679	0.00015	0.000422	0.029456	6.023964	5.936292	6.003871	5.218368	5.221894	5.037542	5.277239	5.388507	5.37991	6.49506	6.502	6.579568	6.400953	6.383372	6.339916	6.336125	6.273436	6.278122
RING1	ENSG00000204227	0.352296	5.632437	9.065099	5.07E-08	4.48E-07	8.285133	4.97718	5.134056	5.1197	5.333837	5.407631	5.380668	5.228555	5.263813	5.243285	5.933409	5.980355	5.943013	6.35676	6.303053	6.308779	5.99535	6.03538	6.000631
HSD17B8	ENSG00000204228	0.860896	3.636895	13.06626	1.88E-10	5.15E-09	14.2498	2.438959	2.674627	2.865896	3.342644	3.683372	3.572823	3.115825	3.232814	3.181386	3.991785	4.045764	4.067404	4.771865	4.824228	4.839198	4.406844	4.49118	4.286716
RXRB	ENSG00000204231	0.303393	5.52453	6.472511	5.01E-06	2.19E-05	3.547859	5.233934	5.208268	5.1197	5.342348	5.283625	5.366721	4.864381	4.889176	4.99996	5.89967	5.806264	5.890143	6.315704	6.185083	6.256122	5.814363	5.780968	5.789478
OXLD1	ENSG00000204237	0.145006	4.654241	2.158506	0.045065	0.067693	-5.41593	4.309146	4.190995	4.242513	4.161901	4.267295	4.178918	3.841036	3.672864	3.628063	5.272006	5.329736	5.580563	5.538057	5.722609	5.605829	5.217339	5.163088	5.026544
HNRNPCP2	ENSG00000204253	-0.40595	0.867155	-2.62124	0.017596	0.029209	-3.53096	1.861169	1.81559	1.585853	1.256461	1.373859	1.526279	1.70672	1.710758	1.873138	1.388276	1.529011	1.46518	1.054048	1.495836	1.390007	1.286141	1.547811	1.58715
BRD2	ENSG00000204256	-0.28739	8.468488	-9.81763	1.56E-08	1.72E-07	9.290959	8.462165	8.435064	8.464782	8.152646	8.211343	8.20847	8.343569	8.322731	8.363988	8.779309	8.677678	8.738189	8.459157	8.401667	8.413555	8.682441	8.695666	8.696664
HLA-DMA	ENSG00000204257	1.025986	2.204504	5.702273	2.33E-05	8.24E-05	2.523138	1.826927	1.947501	1.78216	1.978268	1.718467	2.098749	2.058296	1.760835	1.777424	2.930935	2.991286	3.043904	4.249584	4.062207	4.139984	2.597261	2.274787	2.48622
PSMB8-AS	ENSG00000204261	0.629281	1.15682	3.944443	0.000998	0.002261	-1.07168	1.010037	0.875715	0.898566	1.256461	1.666451	1.123626	0.886508	0.824004	0.515351	2.338465	2.546219	2.286428	3.108457	2.612083	2.895043	2.597261	2.841019	2.778299
COL5A2	ENSG00000204262	1.720301	6.658412	6.671329	3.41E-06	1.57E-05	4.581547	11.67577	11.70434	11.70312	13.50809	13.48858	13.47061	12.46062	12.45862	12.4518	1.490718	1.190799	1.653508	1.446877	1.528499	1.247156	1.681967	1.329561	1.626848
PSMB8	ENSG00000204264	-0.10908	6.586137	-3.05066	0.007057	0.012957	-3.89139	6.055729	6.143066	6.023412	6.012406	5.910785	6.033699	5.964794	5.983638	6.017985	7.271226	7.16335	7.224401	7.094768	7.104325	7.103507	7.252204	7.231535	7.260213
TAP2	ENSG00000204267	-0.04771	4.675976	-0.58242	0.567724	0.626829	-7.33931	3.84498	4.108838	3.947516	4.161901	4.343809	4.427589	4.730929	4.722281	4.73921	5.085433	5.011508	5.119519	4.787617	4.843827	4.885155	5.42251	5.537098	5.542033
SPIN3	ENSG00000204271	0.206032	2.924991	2.153817	0.045482	0.068226	-4.92904	2.90065	3.027527	2.794903	2.97776	2.970101	3.03415	2.858632	3.214961	3.323715	3.145032	3.15652	3.225594	3.36795	3.393046	3.470269	3.123735	2.972579	3.035906
NBDY	ENSG00000204272	0.354627	5.963405	6.894101	2.24E-06	1.09E-05	4.383994	6.408146	6.337478	6.434415	6.664217	6.589306	6.580088	6.417699	6.297471	6.51001	5.312197	5.294698	5.303055	5.773793	5.788145	5.810222	5.398403	5.408227	5.470195
NA	ENSG00000204282	0.616764	0.454441	2.603621	0.018255	0.030153	-3.92305	0.41387	0.215206	0.106501	0.106501	0.625525	0.746642	0.548589	0.824004	0.256032	3.134522	2.991286	2.845681	3.436163	3.41941	3.494191	3.152846	3.069818	3.162857
HLA-DRA	ENSG00000204287	1.080225	-0.20412	3.083636	0.006572	0.012166	-2.96217	0.106501	0.106501	0.323815	0.106501	0.106501	0.2349	0.269385	0.387194	0.39151	3.165825	3.166245	3.240362	4.230502	4.269646	4.223448	1.482378	1.67689	1.626848
COL15A1	ENSG00000204291	-1.01606	1.267156	-4.53077	0.000277	0.000728	0.502506	5.233934	5.263109	5.144898	4.299384	4.249727	4.330328	4.205428	4.238905	4.132351	0.54782	0.524532	0.54756	0.171976	0.26996	0.335616	0.517985	0.358227	0.409347
PBX2	ENSG00000204304	0.187897	5.133953	4.547254	0.000267	0.000705	-0.44624	4.564268	4.538284	4.574673	4.87551	4.720591	4.824468	4.6445	4.734864	4.819498	5.544294	5.620676	5.53487	5.709096	5.726134	5.709941	5.64542	5.775573	5.644707
AGER	ENSG00000204305	-0.12224	0.327289	-0.5711	0.575199	0.633707	-6.32528	1.069823	1.226787	1.202741	1.393812	1.2379	1.475193	1.074544	0.726566	0.735084	1.865926	1.335727	1.277453	1.365252	1.032323	1.209118	1.058946	1.368306	1.170016
RNF5	ENSG00000204308	-0.14813	5.050878	-1.16314	0.260407	0.320071	-6.91871	5.1077	5.328095	5.11242	4.532944	4.558804	4.30129	4.998191	5.002785	4.849226	5.360348	5.303538	5.363329	5.517738	5.530385	5.579982	5.141909	5.077988	5.070394
AGPAT1	ENSG00000204310	0.598559	6.072946	10.4527	6.08E-09	7.95E-08	10.46697	5.881091	5.959918	5.955863	6.502759	6.616977	6.540255	6.460489	6.417458	6.566582	5.6624	5.538823	5.624853	6.180059	6.165747	6.145923	5.854786	5.922751	5.724636
PJVK	ENSG00000204311	-0.52137	0.696343	-3.15648	0.005612	0.010549	-2.4009	1.861169	2.232543	2.300736	1.888135	1.768674	1.669505	1.588238	2.184314	1.873138	1.158593	1.152172	1.027938	0.828978	0.888753	0.812339	1.017342	1.072305	1.058313
PRRT1	ENSG00000204314	0.131572	1.284891	0.953556	0.353311	0.41775	-6.15937	1.681202	2.039077	2.194417	2.063099	2.117603	1.840725	1.917967	2.184314	1.777424	1.616888	1.616737	1.60868	1.689764	1.897007	1.667532	1.45147	1.645686	1.461048
FKBPL	ENSG00000204315	0.113175	2.296361	0.819556	0.423505	0.488577	-6.68885	1.826927	1.915637	1.706811	2.291228	2.633282	2.064596	1.389995	2.290412	2.165532	3.246125	3.086546	3.380287	3.281595	3.131201	3.126936	3.16242	3.215061	2.944608
MRPL38	ENSG00000204316	-0.13066	0.517257	-0.68085	0.504886	0.566997	-6.2947	1.069823	0.875715	1.088647	1.256461	1.164793	1.250575	1.160105	1.001115	1.38134	1.732907	2.032826	1.562415	1.473091	1.357245	1.51998	1.177011	1.289746	1.322858
SMIM5	ENSG00000204323	0.283764	0.030421	2.24148	0.038239	0.058468	-4.72271	0.216396	0.215206	0.219246	0.258133	0.106501	0.3528	0.269385	0.106501	0.106501	3.113269	3.204502	3.232997	3.456014	3.462307	3.454098	3.298901	3.366281	3.421736
STK19	ENSG00000204344	0.257552	2.936835	1.918459	0.071537	0.1024	-5.34516	3.041689	2.853456	3.176339	2.688367	2.737798	2.961768	3.238915	2.848856	3.271973	3.0698	3.076267	3.195594	3.593793	3.512154	3.679472	3.218571	3.022017	3.021085
DXO	ENSG00000204348	0.028758	4.003712	0.290268	0.775027	0.813104	-7.31863	4.036946	4.184325	4.406272	4.072648	4.186495	4.088331	4.205428	4.157125	3.990155	4.087524	4.035189	4.34187	4.348478	4.259953	4.179864	3.552967	3.786722	3.788453
SKIV2L	ENSG00000204351	0.372522	5.430386	6.423809	5.51E-06	2.37E-05	3.503812	5.585841	5.375715	5.549817	5.863665	5.836231	5.711078	5.431459	5.676339	5.274297	5.138995	5.157605	5.227237	5.623918	5.544428	5.618582	5.210433	5.23036	5.314806
NELFE	ENSG00000204356	-0.03869	6.620418	-0.54309	0.593928	0.651118	-7.66849	6.443889	6.450203	6.450384	6.059623	6.106488	6.072885	6.424199	6.303819	6.315012	6.870859	6.832571	6.88406	7.071366	7.085926	7.020833	7.017163	7.024249	7.013938
ZBTB12	ENSG00000204366	0.034455	2.958364	0.450587	0.657827	0.708196	-7.03148	2.798329	2.513665	2.579475	2.457149	2.762786	2.697781	3.050103	2.825515	2.915195	3.488234	3.463043	3.602326	3.581798	3.599295	3.486261	3.644629	3.675254	3.509302
SDHD	ENSG00000204370	-0.05328	6.069732	-0.75909	0.457916	0.521476	-7.46606	5.922218	5.977387	5.904096	5.640298	5.565074	5.506852	5.697811	5.807211	5.803925	6.339031	6.429154	6.371426	6.516527	6.565562	6.519655	6.373703	6.297477	6.426093
EHMT2	ENSG00000204371	0.260778	6.26268	5.449042	3.93E-05	0.000131	1.351381	5.449012	5.488312	5.46661	5.918767	5.865364	5.911724	5.722633	5.659938	5.670411	6.799471	6.761374	6.810504	7.002732	6.909615	6.919209	7.028987	6.865722	6.85692
SLC44A4	ENSG00000204385	1.244708	-0.07399	8.518734	1.24E-07	9.42E-07	7.867934	0.216396	0.215206	0.219246	0.395333	0.25478	0.563119	0.106501	0.106501	0.256032	2.263275	2.829342	2.30059	3.456014	3.599295	3.608189	2.639009	2.392244	2.629903
NEU1	ENSG00000204386	1.310301	6.404748	12.13458	6.05E-10	1.27E-08	12.80621	5.376881	5.466485	5.378308	7.262681	7.143539	7.187668	6.124988	6.166593	6.176476	6.194733	6.230272	6.244398	7.144547	7.13845	7.13174	6.476108	6.385107	6.401984
SNHG32	ENSG00000204387	0.01295	6.441549	0.367763	0.717466	0.763057	-7.67106	7.303366	7.277805	7.310805	7.286031	7.30535	7.361253	7.14432	7.23317	7.320162	5.685984	5.696457	5.63047	5.691062	5.652103	5.670244	5.589736	5.595419	5.554952
HSPA1B	ENSG00000204388	0.11481	7.839447	0.593076	0.560727	0.620209	-7.75173	6.737975	6.759347	6.740992	7.732969	7.708048	7.597553	6.925067	6.969983	6.941169	8.665285	8.583971	8.600984	8.184623	8.173508	8.107574	8.916339	8.949517	8.95118
HSPA1A	ENSG00000204389	0.338478	7.978862	1.462461	0.161364	0.2097	-6.87668	6.782207	6.678585	6.713586	8.077532	8.125448	8.035227	7.246883	7.218685	7.234897	8.724956	8.578292	8.562753	8.254534	8.219245	8.158986	9.011787	9.058118	9.061445
HSPA1L	ENSG00000204390	-0.12797	1.115389	-0.56096	0.581946	0.639705	-6.34175	1.959273	2.308123	1.853768	2.48816	2.299368	1.880533	2.446718	2.184314	2.440135	1.388276	1.190799	1.248523	0.945898	1.357245	0.707101	1.542275	1.513652	1.461048
LSM2	ENSG00000204392	-0.32589	4.836685	-5.471	3.76E-05	0.000125	1.631803	4.693417	4.614695	4.600923	4.647264	4.493129	4.271657	4.864381	4.728586	5.010523	5.180457	5.285805	5.217939	4.853955	4.794321	4.845411	5.340537	5.243446	5.317842
VARS1	ENSG00000204394	-0.19464	7.363405	-4.28652	0.000472	0.001163	-1.26462	7.425675	7.422994	7.440022	7.170097	7.292538	7.150499	7.067511	7.051461	6.994023	7.592462	7.583711	7.708186	7.504052	7.43991	7.450306	7.495566	7.534326	7.381937
VWA7	ENSG00000204396	0.224004	1.093647	0.799895	0.43451	0.49909	-6.56004	1.959273	1.670392	1.818408	0.742604	0.625525	0.909432	1.074544	0.253663	0.925731	2.494552	2.372288	2.581432	3.048706	3.173121	3.157218	2.115663	1.878239	2.033602
CARD16	ENSG00000204397	0.032543	1.562842	0.209247	0.836675	0.864536	-7.04643	0.882475	0.940485	0.829201	0.52061	0.625525	0.830331	1.160105	1.001115	1.50602	3.60703	3.780465	3.696374	3.773284	3.832986	3.780199	3.152846	3.046116	3.107809
MBD5	ENSG00000204406	0.139123	4.057349	2.26483	0.036497	0.056065	-4.98963	4.051848	4.15733	4.16017	4.072648	4.318753	4.264152	4.19533	4.194045	4.33084	3.991785	4.112675	4.008229	4.290695	4.116929	4.134921	4.031767	3.986735	4.18401
MSH5	ENSG00000204410	-0.4797	-0.03278	-1.62983	0.121026	0.163344	-5.14732	1.010037	1.061904	1.667608	1.182548	1.006428	1.310092	0.415731	1.001115	0.629397	1.158593	1.529011	1.188864	1.248697	0.837535	0.651457	1.017342	0.759002	1.115245
LY6G5C	ENSG00000204428	-0.03629	0.127432	-0.13734	0.892329	0.911855	-6.54908	0.667115	0.410755	0.421314	0.742604	0.92021	0.984419	0.670238	0.509405	0.833554	1.891119	1.827525	2.16783	1.711947	1.462417	1.749324	1.880661	1.581179	0.999041
CSNK2B	ENSG00000204435	-0.14358	3.081493	-1.46359	0.161059	0.209455	-6.10667	3.249862	3.310847	3.133821	2.840308	2.811499	2.885561	2.752438	2.960209	2.915195	3.411958	3.619889	3.636224	3.409264	3.644697	3.658454	3.560228	3.149837	3.581792
GPANK1	ENSG00000204438	-0.10708	4.157148	-1.74006	0.099426	0.137208	-5.97673	4.006674	3.888531	3.971859	3.840029	3.656958	3.744443	3.747379	3.592179	4.063004	4.755823	4.609763	4.732417	4.665059	4.634714	4.635585	4.507942	4.699246	4.602629
C6orf47	ENSG00000204439	1.404964	4.491891	20.27754	1.38E-13	2.68E-11	21.42132	3.325391	2.935191	3.39613	4.681208	4.662026	4.849758	4.358069	4.489649	4.45204	4.252132	4.283241	4.213027	5.544252	5.514168	5.439201	5.355223	5.261569	5.201061
FAM155A	ENSG00000204442	0.883368	0.980915	2.673849	0.01576	0.02647	-3.27334	4.09565	3.96057	4.095173	4.827817	4.819175	4.869675	4.348988	4.307901	4.011347	0.106501	0.259702	0.34382	0.294634	0.416769	0.533283	0.576451	0.358227	0.315289
APOM	ENSG00000204444	0.238928	0.374283	0.968136	0.346184	0.410491	-5.94445	1.286899	1.883052	1.358564	1.326771	1.373859	1.840725	1.459147	1.430416	1.620777	1.199504	0.695454	0.958181	1.336984	1.282615	0.862212	0.974502	0.69947	0.999041
BAG6	ENSG00000204463	-0.05642	8.006021	-1.50007	0.151444	0.19851	-6.82311	7.850575	7.858642	7.856458	7.649698	7.737496	7.671041	7.640257	7.605362	7.680807	8.370356	8.320522	8.333163	8.411875	8.341184	8.37864	8.223569	8.138375	8.146665
PRRC2A	ENSG00000204469	-0.44789	8.461436	-11.375	1.66E-09	2.79E-08	11.62157	8.455876	8.482395	8.576811	7.897938	8.028972	7.99499	8.450388	8.285795	8.27862	8.833922	8.816922	8.833193	8.502951	8.44669	8.407007	8.694453	8.71787	8.67848
NFKBIL1	ENSG00000204498	0.092495	4.151773	0.812075	0.427671	0.492676	-7.10377	4.152058	4.17089	4.195052	3.57705	3.867423	3.689474	3.733489	3.798055	3.957772	4.327889	4.390842	4.687318	4.86637	4.837324	4.794943	4.481413	4.464605	4.261717
ZNF814	ENSG00000204514	0.029856	2.202368	0.399887	0.694084	0.741624	-7.27337	0.587539	0.940485	0.964748	1.104644	0.92021	0.830331	0.983587	1.082132	0.925731	4.671093	4.80914	4.643544	4.687622	4.634714	4.817241	4.526597	4.592839	4.7174
MICB	ENSG00000204516	-0.44282	3.774176	-3.71364	0.001658	0.003551	-1.90305	3.774862	3.750846	3.717332	3.791129	3.820593	3.722706	4.215456	4.230044	3.968647	4.020609	3.942027	3.877343	3.236398	3.272884	3.281558	4.438712	4.451131	4.382594
ZNF551	ENSG00000204519	-0.55618	4.925218	-8.09284	2.56E-07	1.72E-06	6.68572	4.456406	4.474101	4.564038	3.674639	3.426184	3.643939	4.122591	4.282412	4.132351	6.093911	6.141856	6.032707	5.661447	5.720844	5.633019	5.92115	5.793479	5.952623
MICA	ENSG00000204520	-0.15255	4.174624	-1.05945	0.303819	0.366007	-6.74812	4.921476	4.872944	4.804386	5.12773	5.044764	5.155812	4.552561	4.696781	4.45204	4.13047	3.854512	3.891447	3.303673	3.357127	3.412858	3.812139	3.743163	3.611778
ZNF805	ENSG00000204524	-0.30823	1.914786	-2.88202	0.010138	0.017872	-3.39715	1.791852	2.068355	2.248556	1.393812	1.817192	1.623325	1.459147	1.901414	1.445026	2.978724	3.166245	3.001185	2.812503	2.850343	2.930541	2.666185	2.518186	2.706008
HLA-C	ENSG00000204525	0.586184	8.8077	9.229897	3.90E-08	3.61E-07	8.313476	7.989597	7.956333	8.031682	8.743038	8.81374	8.721321	8.315873	8.214023	8.427443	8.952912	8.92039	9.042668	9.381648	9.427108	9.430775	9.400088	9.459167	9.374753
CCHCR1	ENSG00000204536	-0.94178	3.607988	-8.48232	1.32E-07	9.89E-07	7.632072	4.339825	4.312206	4.301326	2.999448	3.410458	2.924168	3.632324	3.232814	3.023464	4.252132	4.305413	4.268117	3.575762	3.560336	3.658454	3.717885	3.88352	3.779675
DHX16	ENSG00000204560	-0.34027	6.296849	-5.18651	6.81E-05	0.000211	0.800957	6.29371	6.299401	6.42416	5.714295	5.654575	5.837817	6.089987	6.100066	6.211233	6.613318	6.62434	6.675063	6.539966	6.443485	6.478276	6.620299	6.519199	6.55129
C6orf136	ENSG00000204564	-0.51787	3.667288	-5.43953	4.01E-05	0.000133	1.862237	4.416666	4.424018	4.370098	3.688057	3.574682	3.643939	4.000319	4.128801	4.093134	3.629659	3.478738	3.596598	3.429485	3.348006	3.244428	3.749992	3.690624	3.601852
MRPS18B	ENSG00000204568	-0.56908	6.711743	-7.51881	7.06E-07	4.06E-06	5.464678	6.944712	7.114598	7.002589	6.144804	6.156841	6.186421	6.602897	6.700097	6.738463	7.043704	7.009109	7.049381	6.661776	6.804348	6.6398	6.738634	6.765868	6.76762
PPP1R10	ENSG00000204569	-0.36059	7.096289	-7.97693	3.13E-07	2.05E-06	6.285255	7.52246	7.467629	7.525418	7.235524	7.182256	7.296512	7.464314	7.463253	7.507069	7.022485	7.019206	7.109441	6.605122	6.564578	6.6398	6.729001	6.817534	6.763173
ABCF1	ENSG00000204574	-0.14942	7.321771	-3.4555	0.002923	0.005882	-3.08304	7.126384	7.160353	7.220572	6.97318	6.957206	6.920411	7.1245	7.183546	7.201865	7.689892	7.581441	7.661968	7.567015	7.510589	7.572375	7.46977	7.508541	7.53192
PRR3	ENSG00000204576	-0.18376	4.630265	-3.38656	0.003399	0.006719	-2.89869	4.522086	4.522504	4.626705	4.43289	4.213935	4.414089	4.023335	4.256466	4.270596	5.144243	5.030268	5.28714	5.005325	5.009177	4.972896	4.922811	4.877699	4.906683
DDR1	ENSG00000204580	0.668323	7.770738	11.54099	1.33E-09	2.35E-08	11.88193	7.227465	7.199749	7.294009	7.711776	7.803706	7.700531	7.04238	6.972641	6.991359	7.860626	7.895	7.958695	8.754759	8.700228	8.651971	8.066067	8.133814	8.039974
LINC01123	ENSG00000204588	0.054	1.351357	0.464195	0.648238	0.699776	-6.69757	1.336422	1.420874	1.406977	0.934951	1.307481	1.310092	1.160105	1.15884	1.445026	2.37464	2.372288	2.382761	2.51737	2.565626	2.497588	2.719047	2.784842	2.48622
GNL1	ENSG00000204590	0.307745	6.372349	6.621024	3.76E-06	1.71E-05	3.764611	6.313939	6.299401	6.291837	6.529092	6.54498	6.435578	6.09814	6.219034	6.178819	6.287782	6.292645	6.276995	6.734689	6.598625	6.686401	6.373703	6.464368	6.400554
HLA-E	ENSG00000204592	0.590871	7.728668	6.697336	3.25E-06	1.51E-05	3.807809	7.380646	7.371072	7.356204	7.607954	7.745353	7.685159	7.85754	7.921744	7.920904	7.449803	7.376796	7.438053	8.234082	8.25689	8.251951	7.795436	7.837203	7.758242
TRIM39	ENSG00000204599	0.343689	3.487092	4.572477	0.000253	0.000672	-0.03844	3.142584	3.182839	3.231147	3.392671	3.410458	3.655458	3.423261	3.633086	3.437684	3.622156	3.854512	3.71764	4.072312	4.122289	3.939687	3.830273	3.735773	3.698167
ZNF468	ENSG00000204604	0.670309	5.367946	7.254939	1.14E-06	6.16E-06	5.125394	4.239263	4.293732	4.301326	5.320976	5.253089	5.394483	5.324334	5.423907	5.404147	5.542307	5.502818	5.540848	5.954437	5.987797	5.946508	5.902702	5.904743	6.086777
TRIM15	ENSG00000204610	0.008186	-1.17735	0.038259	0.969915	0.974843	-6.56324	0.216396	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.253663	0.106501	1.646779	1.777644	2.120715	1.878105	1.846087	1.667532	1.85727	2.101639	1.877799
ZNF616	ENSG00000204611	0.377152	3.628738	6.91699	2.14E-06	1.06E-05	4.721189	2.850396	2.90305	2.883112	3.359513	3.188693	3.391835	3.115825	3.196885	3.084728	4.266643	4.260723	4.194187	4.483553	4.573423	4.628397	4.365992	4.357943	4.531205

TRIM10	ENSG00000204613	0.041223	-1.50848	0.20188	0.842341	0.869382	-6.49458	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.787595	1.752042	1.653508	1.524131	1.710321	1.550722	1.809319	1.329561	1.739782
TRIM31	ENSG00000204616	-0.46941	2.247144	-2.29557	0.034317	0.053099	-4.59596	2.438959	2.356396	2.469799	2.864145	2.881616	2.805104	2.058296	1.760835	1.962896	3.560679	3.455132	3.685623	2.55467	2.756951	2.756856	1.65509	1.851139	2.14716
PPP1R11	ENSG00000204619	-0.02356	6.508908	-0.61502	0.546465	0.606607	-7.61631	6.262023	6.296311	6.234306	6.283849	6.243717	6.150238	6.278754	6.147896	6.273953	6.855742	6.85153	6.903908	6.859173	6.855128	6.85907	6.750586	6.69238	6.66052
ZNRD1ASP	ENSG00000204623	-0.39974	1.557522	-2.69047	0.015219	0.025664	-3.64804	1.894617	2.179863	2.079636	1.457877	1.768674	1.310092	1.240874	1.658879	1.674905	2.427256	2.766797	2.314614	2.357702	2.21055	2.34809	2.211015	1.930959	2.397196
RACK1	ENSG00000204628	-0.0808	10.5057	-2.03907	0.05686	0.083569	-6.11515	10.64702	10.62135	10.6203	10.43445	10.47387	10.42319	10.61141	10.58778	10.60484	10.53429	10.4682	10.42959	10.47	10.49739	10.50945	10.36111	10.40191	10.42489
TBC1D8	ENSG00000204634	-0.98461	5.74579	-9.10026	4.79E-08	4.31E-07	8.370913	6.708891	6.76941	6.78859	5.591153	5.677752	5.735705	5.69064	5.602735	5.56328	5.913568	5.909748	5.946395	5.146388	5.054739	5.025827	5.680829	5.54346	5.600528
HLA-F	ENSG00000204642	0.72731	5.758621	10.72334	4.12E-09	5.78E-08	10.84908	4.516725	4.468622	4.526184	5.117849	5.208315	5.268872	4.4712	4.511753	4.512744	6.400633	6.366209	6.5701	7.153693	7.156849	7.193315	6.953787	6.995918	6.906148
LINC02210	ENSG00000204650	0.004348	3.317885	0.072809	0.942785	0.953158	-7.27564	2.780548	2.784561	2.794903	2.766336	2.686486	2.741673	2.908934	2.916694	3.00245	3.938405	4.219284	4.033888	3.997531	4.122289	4.155068	4.271827	4.237539	4.203832
AKT1S1	ENSG00000204673	-0.07639	6.175734	-1.09288	0.289281	0.350628	-7.15187	6.198157	6.300944	6.351807	6.320926	6.438513	6.354858	6.079044	6.00976	6.162335	6.178198	6.174747	6.336627	6.039124	6.005308	6.034784	6.270127	6.233332	6.045263
GABBR1	ENSG00000204681	0.590786	3.59812	4.357098	0.000404	0.001015	-0.502	3.928091	3.920993	4.188143	4.325376	4.020303	4.518705	3.423261	3.335526	3.60036	2.930935	3.554746	3.133657	3.928165	4.011117	3.985412	3.31616	3.449945	3.421736
MIR1915H(	ENSG00000204682	0.787466	2.590386	4.660699	0.000209	0.000567	0.470188	3.476616	3.547555	3.522358	3.910405	3.867423	3.818042	3.388228	3.477062	3.557782	1.586365	1.699433	1.696985	2.892375	2.863205	2.675503	1.759719	1.90484	2.003758
STARD7-AS	ENSG00000204685	-0.07065	1.598549	-0.67528	0.508336	0.570187	-6.60498	1.561356	2.009193	1.667608	1.457877	1.768674	1.623325	1.389995	1.605065	1.445026	2.650221	2.575707	2.435052	2.614772	2.50126	2.433049	2.300453	2.518186	2.277588
TRIM27	ENSG00000204713	-0.02931	6.651442	-0.84914	0.407286	0.472431	-7.4452	6.641532	6.632773	6.665891	6.538381	6.525036	6.513603	6.664586	6.595316	6.579055	6.683492	6.68479	6.751156	6.75018	6.751716	6.758132	6.760864	6.773105	6.722526
AC083899.	ENSG00000204745	0.343727	0.826201	2.300137	0.034003	0.05266	-4.14517	1.384302	1.061904	1.146821	1.326771	1.307481	1.623325	1.648695	1.760835	1.445026	1.352446	1.435603	1.305813	1.308151	1.738515	1.667532	1.833493	1.795362	1.877799
AC008429.	ENSG00000204758	-0.54328	0.399965	-2.92457	0.009256	0.016471	-2.87434	1.602421	1.978677	2.049454	1.182548	1.498102	1.422231	1.074544	1.367163	1.50602	1.278001	1.112482	1.333627	1.088368	0.986036	1.129895	0.837776	0.871168	0.580851
RANBP17	ENSG00000204764	0.292434	3.725328	3.960064	0.000965	0.002194	-1.38351	3.887134	4.043996	3.828148	4.333937	4.120365	4.264152	3.676552	3.956862	4.207726	3.599408	3.576789	3.579277	3.762697	3.846002	3.843644	3.462853	3.476789	3.581792
ZNF204P	ENSG00000204789	1.417861	0.685216	5.085286	8.43E-05	0.000254	1.547575	0.41387	0.8079	0.421314	0.52061	1.006428	0.830331	1.525136	1.658879	1.314712	1.490718	1.699433	1.333627	2.626498	2.913535	2.513282	2.075685	2.274787	2.350536
TTC25	ENSG00000204815	0.847412	0.104055	4.539312	0.000272	0.000716	0.422704	0.882475	0.582935	0.679585	0.841981	0.92021	1.188496	0.269385	0.622068	0.833554	1.586365	1.335727	1.439812	1.99126	2.250257	2.014873	1.099384	1.024588	1.370407
MRPL53	ENSG00000204822	0.377119	1.654039	3.634577	0.001973	0.004155	-1.66136	1.561356	1.551021	1.406977	1.634586	2.193078	1.669505	2.01302	1.988058	1.962896	2.163418	2.115463	2.228347	2.439743	2.398985	2.449456	2.479639	2.618024	2.570068
MROH6	ENSG00000204839	0.148884	4.790644	1.805501	0.088251	0.123388	-6.07349	3.476616	3.100202	3.565652	3.633621	3.656958	3.655458	3.370387	3.415864	3.373665	5.969338	6.017092	6.172101	6.212513	6.215492	6.099893	6.704633	6.604842	6.434506
ATXN2	ENSG00000204842	0.661257	5.160709	7.600324	6.10E-07	3.59E-06	5.839199	5.023273	5.168263	5.064177	5.622938	5.719831	5.697212	5.733141	5.689327	5.773239	4.721121	4.651904	4.503642	5.318904	5.243641	5.314871	4.826728	4.672404	4.922721
DCTN1	ENSG00000204843	0.31899	6.579867	4.96769	0.000108	0.000317	0.325579	6.927647	6.925555	6.97174	7.024325	7.074115	7.071012	7.116495	7.060236	7.039862	5.861941	5.966507	5.988557	6.514162	6.423001	6.433614	6.04666	6.156548	6.130587
TCTN1	ENSG00000204852	1.206359	4.86076	9.611099	2.15E-08	2.21E-07	9.339596	4.85081	5.03743	4.817878	6.400512	6.296007	6.34422	4.99237	4.877874	4.945952	3.985951	4.10258	3.973292	4.878679	4.979952	4.820398	4.458278	4.400624	4.347382
FAM216A	ENSG00000204856	-0.77104	4.138879	-6.7618	2.87E-06	1.36E-05	4.460204	4.91334	4.905754	4.835673	4.384261	4.392653	4.407292	4.462805	4.519046	4.428601	4.177304	4.214605	4.171248	3.353912	3.223865	3.186878	4.226905	4.184245	4.101878
ZBTB48	ENSG00000204859	-0.06685	4.12567	-0.9661	0.347171	0.41148	-6.94994	4.088441	3.944869	4.003689	3.753334	3.709312	3.620621	4.011872	3.82184	3.832397	4.501517	4.540416	4.601264	4.728999	4.553723	4.523816	4.426844	4.568087	4.572451
FAM201A	ENSG00000204860	-0.98758	1.619213	-6.97763	1.91E-06	9.56E-06	5.230114	2.526909	2.534795	2.865896	1.978268	1.612488	1.993763	2.340763	2.255906	2.047395	2.14259	2.074736	2.382761	1.755315	1.495836	1.284217	1.85727	1.981819	1.877799
KRT40	ENSG00000204889	1.017112	-1.48058	5.822619	1.83E-05	6.65E-05	3.054944	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.676063	1.228418	1.718241	2.314863	2.288901	2.528806	1.681967	1.442809	1.58715
MZT1	ENSG00000204899	-0.86889	4.554592	-10.21	8.68E-09	1.05E-07	10.32062	5.023273	5.030008	5.075454	4.464421	4.478119	4.506036	4.889651	5.164994	5.107194	4.871097	4.827642	4.791271	3.735884	3.766081	3.81227	4.477583	4.676269	4.467038
ZNF155	ENSG00000204920	0.343205	3.161144	2.735207	0.013849	0.023604	-3.92077	2.815895	2.784561	2.794903	2.887595	2.490996	2.784269	3.277716	3.178579	3.271973	3.446357	3.633975	3.596598	4.076593	3.921728	4.083285	3.516101	3.612085	3.725851
UQCC3	ENSG00000204922	0.038701	4.653153	0.457621	0.652863	0.703756	-7.45503	3.827767	3.8803	4.042515	4.161901	4.455308	4.210498	4.090259	4.147745	3.946814	5.259969	5.26106	5.55125	5.352829	5.201218	5.260115	5.566486	5.428995	5.265357
FBXO48	ENSG00000204923	-0.90009	1.474577	-6.50081	4.75E-06	2.08E-05	4.337423	2.137484	2.152784	2.423483	1.688986	1.437317	1.575618	1.966276	1.901414	2.165532	2.37464	2.285719	2.16783	1.776519	1.528499	1.550722	1.627702	2.101639	2.119598
ZNF783	ENSG00000204946	-0.08987	4.092795	-1.40484	0.177592	0.228022	-6.5427	3.313074	3.335139	3.39613	2.791417	2.904251	2.845893	2.981245	3.043491	2.915195	5.314527	5.399419	5.301295	5.340423	5.322591	5.389047	5.392313	5.346497	5.397464
ZNF425	ENSG00000204947	0.080322	2.807722	0.296873	0.770062	0.809207	-7.00997	3.633432	3.347134	3.270929	2.255624	2.078331	2.258349	2.908934	3.122225	3.00245	2.843296	2.766797	2.806521	3.520276	3.731427	3.593499	3.063688	3.297679	2.830235
LRRC10B	ENSG00000204950	2.156305	0.381592	11.00623	2.76E-09	4.18E-08	11.62121	0.318509	0.582935	0.323815	0.258133	0.625525	0.461789	0.269385	0.106501	0.106501	2.204194	2.546219	2.34226	4.444342	4.455227	4.460466	3.209363	2.921385	3.093712
C12orf73	ENSG00000204954	0.02643	4.078045	0.310248	0.760041	0.800508	-7.24346	4.405107	4.564207	4.520694	4.605448	4.628433	4.824468	4.825625	4.837607	4.7071	3.75845	3.774119	3.809637	3.635009	3.479115	3.713835	3.698273	3.68296	3.581792
PCDHGA1	ENSG00000204956	1.122091	2.036448	3.889054	0.001127	0.002512	-1.2048	0.814199	1.173893	1.256574	3.21869	3.053471	3.27721	1.917967	2.255906	1.777424	2.722179	2.531245	2.693003	2.949505	2.950162	2.895043	2.652661	2.755911	2.742606
ARHGEF34	ENSG00000204959	0.744637	-0.07481	6.332596	6.59E-06	2.77E-05	3.831369	0.106501	0.215206	0.106501	0.258133	0.25478	0.2349	0.106501	0.253663	0.106501	3.102524	3.1855	3.043904	3.663745	3.793216	3.72061	3.350072	3.236163	3.31642
PCDHA7	ENSG00000204963	1.097332	0.093096	8.191627	2.16E-07	1.49E-06	7.266158	0.318509	0.215206	0.106501	0.258133	0.25478	0.3528	0.106501	0.253663	0.106501	2.906434	2.779525	2.983737	3.988472	3.90938	3.799527	3.407564	3.440885	3.202807
PCDHA5	ENSG00000204965	0.806949	-0.55288	3.799955	0.001371	0.00299	-1.16157	0.216396	0.316291	0.219246	0.52061	0.828511	0.2349	0.106501	0.253663	0.39151	1.732907	1.672391	1.585733	2.193986	2.148862	2.141451	1.512637	1.329561	1.504318
PCDHA4	ENSG00000204967	1.390781	0.995195	8.205037	2.11E-07	1.47E-06	7.265845	0.216396	0.499412	0.106501	0.934951	0.730585	1.188496	0.670238	0.253663	0.256032	3.331423	3.223257	3.353367	4.457531	4.403337	4.577054	3.630901	3.644015	3.55117
PCDHA1	ENSG00000204970	1.077626	0.6624	6.83069	2.52E-06	1.21E-05	4.697667	0.106501	0.316291	0.421314	0.52061	0.512209	0.563119	0.106501	0.387194	0.106501	3.294134	3.414909	3.406715	4.301707	4.385617	4.389961	4.078031	3.916575	3.779675
TRIM13	ENSG00000204977	-0.33402	4.495666	-5.50565	3.50E-05	0.000118	1.7953	4.825019	4.864623	4.970641	4.416862	4.462952	4.434292	4.695544	4.637703	4.84333	4.421642	4.566354	4.53991	4.191564	4.403337	4.302347	4.489042	4.451131	4.582581
SPIRE2	ENSG00000204991	0.512088	5.066059	4.24013	0.000522	0.001275	-0.84839	6.673197	6.699788	6.828017	7.054422	7.212045	7.050436	6.999498	6.932239	7.013847	2.894025	3.166245	3.101662	4.076593	3.813238	3.793113	3.063688	3.182818	3.189613
SLFN12L	ENSG00000205045	0.137793	-1.42331	0.63816	0.531643	0.593115	-6.31839	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.457372	1.752042	1.73919	1.916818	1.393161	1.488568	2.154563	2.054898	2.003758
SLC35B4	ENSG00000205060	-0.38141	5.492954	-6.43659	5.38E-06	2.32E-05	3.567552	6.176225	6.168638	6.095343	5.941353	5.949389	5.937902	6.195078	6.182756	6.167064	5.185557	5.283572	5.232786	4.679202	4.660731	4.677975	5.012893	4.993761	4.977487
SYCE1L	ENSG00000205078	0.947956	0.967217	4.860998	0.000136	0.000388	1.06306	1.286899	1.277811	1.453818	1.393812	2.264801	1.757653	1.074544	1.367163	1.0941	1.158593	1.335727	1.67541	1.973006	2.23054	2.312654	1.85727	1.795362	1.58715
TMEM231	ENSG00000205084	0.026293	3.493911	0.30607	0.763167	0.803028	-7.19836	3.682132	3.704977	3.854572	3.503067	3.709312	3.878271	3.137083	3.384264	3.254305	3.622156	3.626949	3.70172	3.773284	3.738425	3.658454	3.66498	3.571152	3.725851
C4orf47	ENSG00000205129	0.328968	0.023004	1.317238	0.204767	0.258257	-5.56863	0.742531	0.499412	0.679585	1.326771	1.164793	0.984419	0.886508	0.824004	0.833554	1.158593	1.529011	0.993481	1.218025	1.203912	0.910419	1.286141	1.368306	1.58715
TRIQK	ENSG00000205133	1.393465	4.754455	12.34856	4.60E-10	1.01E-08	13.29296	3.738482	3.8803	3.698006	5.554996	5.403664	5.471446	5.173034	5.27247	5.261087	4.037631	4.340194	4.278887	5.32071	5.313248	5.224807	4.762075	4.940116	4.99276
SDHAF1	ENSG00000205138	-0.15216	3.717279	-1.58537	0.130809	0.174743	-6.06735	3.783815	3.759847	3.726899	3.766043	3.820593	3.722706	3.296733	3.431409	3.856018	4.01489	4.092415	3.986493	3.850304	3.871689	3.700188	4.267397	4.05364	3.897964
PSENEN	ENSG00000205155	0.2422	4.06577	2.487439	0.023226	0.037468	-4.59954	4.25866	4.006672	4.400306	4.161901	4.061165	4.053927	4.057185	3.988732	4.042563	3.93235	4.051023	4.194187	4.524863	4.446707	4.602954	4.031767	4.017531	3.922098
ZBTB10	ENSG00000205189	0.179346	4.467596	1.460088	0.162008	0.210344	-6.45217	4.245758	4.197635	4.262385	4.40878	4.343809	4.233737	4.215456	4.45204	4.380548	4.911672	5.082559	4.842989	5.014278	5.188499	5.253122	4.151986	4.156841	4.299055
C4orf46	ENSG00000205208	0.319888	5.145899	0.805674	0.431256	0.496113	-7.13753	5.583279	5.639833	5.555197	7.096538	6.900636	7.00163	6.056907	6.102495	6.094449	4.75239	4.675929	4.676498	3.281595	3.272884	3.167173	4.588279	4.559742	4.689552
CCDC144N	ENSG00000205212	-0.23938	-1.41768	-1.76411	0.095183	0.132031	-5.08391	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.814181	2.135404	1.877881	1.689764	1.652223	1.639204	1.903678	2.169028	2.226823
LGR4	ENSG00000205213	0.927784	6.281213	5.457441	3.86E-05	0.000129	1.546827	7.5258	7.587496	7.593675	8.890695	8.789627	8.883776	8.072094	8.106171	8.103439	4.742042	4.57368	4.542892	4.704315	4.736081	4.691833	3.967679	4.162364	4.080593
PSMB10	ENSG00000205220	0.769795	3.928012	9.459496	2.71E-08	2.67E-07	9.124956	3.349713	3.298545	3.090013	3.255206	3.643567	3.666886	3.158032	3.002451	3.162566	4.395472	4.447768	4.554757	5.385974	5.296751	5.361134	4.598895	4.559742	4.45054
VIT	ENSG00000205221	4.42989	-0.09204	7.353826	9.52E-07	5.25E-06	5.822129	2.815895	2.870177	2.794903	7.342274	7.300026	7.328346	4.536652	4.670823	4.776822	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
E2F4	ENSG00000205250	-0.72879	7.634443	-8.27509	1.87E-07	1.32E-06	6.762115	8.013106	8.012017	8.057028	6.856221	7.027194	6.927555	7.423803	7.3056	7.421596	8.132946	7.978785	8.028428	7.682798	7.570143	7.617089	7.848299	7.822889	7.834396
PDE7A	ENSG00000205268	0.164689	5.521395	3.481312	0.002762	0.005598	-2.82601	5.557407	5.622666	5.668751	5.927278	5.726197	5.812316	5.392213	5.27247	5.416114	5.632834	5.625972	5.53037	5.764537	5.652103	5.73358	5.269218	5.104049	5.262209
TMEM170I	ENSG00000205269	0.534397	3.144427	1.729261	0.101383	0.139504	-5.35945	4.884496	4.852052	4.86196	5.691159	5.217382	5.387592	6.254643	6.182756	6.240692	1.52331	1.725977	1.60868	1.667235	1.710321	1.722572	1.286141	0.924142	1.370407
SNX2	ENSG00000205302	0.147639	6.253057	2.417369	0.026814	0.042568	-5.10643	6.1847	6.229843	6.155027	6.283849	6.237045	6.317278	6.53044	6.450256	6.521134	6.189666	6.202186	6.097004	6.339053	6.396703	6.307655	6.114821	6.137047	6.212776
NT5M	ENSG00000205309	-1.15715	2.068595	-9.66102	1.99E-08	2.07E-07	9.651155	4.051848	4.101775	3.987862	2.91067	3.093416	2.845893	3.405851	3.26787	3.468658	1.840286	1.644832	1.858866	1.121891	1.203912	1.17005	1.681967	1.613793	1.461048
ADGRG1	ENSG00000205336	0.177507	9.616507	2.142927	0.046465	0.069539	-5.87654	9.938908	9.998495	10.02238	9.803421	9.921301	9.887636	9.7095	9.520258	9.631516	9.238275	9.157182	9.229486	9.72673	9.610271	9.663397	9.396543	9.334002	9.342704
IPO7	ENSG00000205339	-0.13213	8.359877	-3.88291	0.001143	0.002542	-2.2084	8.555957	8.528551	8.55717	8.470089	8.447347	8.437151	8.672297	8.695302	8.654041	8.258345	8.271808	8.19334	8.040326	8.072258	8.109511	8.199356	8.146409	8.251175
PRR13	ENSG00000205352	-0.08609	5.749253	-1.3302	0.200549	0.253611	-6.81546	6.061262	6.122277	6.027288	5.824713	5.769991	5.862876	5.643139	5.663233	5.56328	5.728536	5.624209	5.776944	5.730985	5.83623	5.735254	5.760217	5.64557	5.607985
TECPR1	ENSG00000205356	0.49038	4.698833	7.298956	1.05E-06	5.73E-06	5.327823	4.650007	4.435299	4.66702	4.949796	4.860273	4.951383	4.99237	4.877874	4.654189	4.355303	4.514003	4.551799	5.062552	5.046305	5.020346	4.704254	4.609106	4.703543
MT1A	ENSG00000205362	-1.62868	-0.77275	-5.43071	4.08E-05	0.000135	2.331121	4.29042	4.101775	4.16017	2.518519	2.460774	2.532704	4.31208	4.090149	4.189248	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CFI	ENSG00000205403	1.57585	2.900727	18.70945	5.30E-13	6.92E-11	20.09622	1.384302	1.173893	1.088647	2.840308	3.033076	2.763128	0.670238	1.082132	1.38134	4.549776	4.662249	4.66833	6.089767	6.052395	6.099893	3.768919	3.974229	3.848451
SAMD9	ENSG00000205413	-0.49741	4.573519	-4.82743	0.000146	0.000413	0.098202	2.369288	2.068355	2.300736	2.887595	2.904251	2.605775	1.917967	1.945386	2.471058	7.206844	7.349847	7.299483	6.649617	6.751716	6.666362	7.275001	7.355437	7.346709
KRT6A	ENSG00000205420	-1.07315	2.187185	-7.49077	7.42E-07	4.24E-06	5.758217	1.286899	1.002471	1.088647	0.52061	0.625525	0.984419	0.670238	0.387194	0.39151	5.185557	5.226618	5.288917	4.089359	4.220515	4.311352	5.85183	5.975466	5.706224
CNEP1R1	ENSG00000205423	0.280952	4.030308	4.552738	0.000264	0.000698	-0.11535	4.357924	4.342481	4.345467	4.784753	4.733289	4.702062	4.606901	4.677356	4.556652	3.651939	3.554746	3.641797	3.741287	3.695921	3.793113	3.651445	3.603991	3.788453
KRT81	ENSG00000205426	0.754727	5.855105	2.604783	0.018211	0.030101	-4.63073	6.072266	5.896035	5.980067	6.704387	6.77884	6.567948	6.164346	6.030322	6.195117	4.404248	4.487097	4.660116	5.368624	5.372923	5.278599	6.679013	6.662488	6.6291
ATP6AP1L	ENSG00000205464	-1.06224	1.377567	-4.35506	0.000406	0.001019	-0.03224	2.629805	2.49222	2.865896	1.256461	1.666451	1.526279	1.966276	1.367163	1.38134	1.865926	2.032826	2.120715	1.667235	1.591687	1.355599	2.26534	1.795362	2.119598
CCDC85C	ENSG00000205476	1.050577	4.003012	9.925775	1.33E-08	1.50E-07	9.891342	2.416107	2.258179	2.300736	3.999198	3.99943	3.722706	3.747379	3.446787	3.733845	4.359822	4.494836	4.385707	5.184566	5.287239	5.191054	5.308556	5.232987	5.12686
AC004980.	ENSG00000205485	0.030415	1.838982	0.270972	0.789587	0.825183	-6.73644	2.080492	2.125186	2.109199	2.359902	2.155834	2.029614	2.144798	2.108984	2.616448	2.18395	2.074736	2.34226	2.209661	2.06228	2.312654	2.334732	2.254246	2.226823
RGL3	ENSG00000205517	0.279295	3.379436	2.052436	0.055413	0.081568	-5.33116	3.454357	3.335139	3.55495	2.97776	2.71237	3.306732	2.696258	2.481727	2.82232	3.87036	4.071868	3.728156	4.486773	4.398927	4.355551	3.617041	3.765107	3.87342
NAP1L4	ENSG00000205531	-0.24697	6.653056	-3.823	0.001304	0.002857	-2.20579	6.847715	6.908455	6.850072	6.797081	6.772703	6.80232	6.748129	6.74433	6.70796	6.598099	6.674605	6.678456	6.261275	6.255066	6.278105	6.708723	6.699045	6.691272
SMG1P2	ENSG00000205534	-0.15549	1.264069	-0.92581	0.367152	0.432142	-6.14394	2.19231	2.009193	2.221741	2.021307	2.078331	1.840725	1.867984	2.357042	2.34318	1.704765	1.529011	1.360915	1.711947	1.528499	1.129895	1.571317	1.581179	1.370407
TMSB4X	ENSG00000205542	0.792892	9.520363	11.61305	1.20E-09	2.18E-08	11.90546	9.187983	9.155601	9.085357	10.13115	10.11051	10.01968	9.436692	9.511143	9.52411	9.110703	9.101408	9.007081	9.635835	9.771925	9.774502	9.543807	9.600887	9.695813
TMEM256	ENSG00000205544	0.22152	2.32216	1.190682	0.249699	0.308186	-6.06067	3.361722	3.382531	3.466347	3.54791	3.170134	3.498018	3.617275	3.89093	3.721038	1.586365	1.529011	1.896649	2.062048	2.250257	2.10048	1.482378	1.707432	1.546329
SMN2	ENSG00000205571	-0.72015	4.179925	-6.81401	2.60E-06	1.24E-05	4.539723	4.846543	5.073976	4.763138	3.910405	3.934936	3.765857	4.56045	4.540708	4.7071	4.295234	4.061483	4.209279	3.741287	3.772912	3.87435	4.32821	4.094656	4.255399
POM121B	ENSG00000205578	-1.16287	0.143459	-4.30787	0.00045	0.001117	0.05836	1.719036	1.849715	1.667608	0.742604	1.437317	1.422231	2.102195	1.301009	1.620777	1.073118	0.941811	1.061592	0.610222	0.550009	0.335616	0.789161	1.024588	0.999041
HMGN1	ENSG00000205581	-0.22594	7.30498	-5.5945	2.91E-05	0.0001	1.577342	7.43707	7.447575	7.445103	7.217131	7.118349	7.107114	7.067511	7.138087	7.050138	7.46823	7.473472	7.57798	7.308199	7.330709	7.40107	7.338672	7.350003	7.383386
DENND6B	ENSG00000205593	0.895613	2.916766	10.32208	7.36E-09	9.19E-08	10.59144	2.725848	2.513665	2.446827	2.840308	2.970101	3.103073	2.446718	1.945386	2.087859	3.42926	3.414909	3.45816	4.47385	4.344933	4.355551	3.298901	3.287607	3.107809
LINC01446	ENSG00000205628	-0.14623	-1.31352	-1.18662	0.251256	0.309946	-5.91583	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.121457	2.212518	1.951531	1.858352	1.946191	1.876113	2.229352	2.315011	1.942153
LCMT1	ENSG00000205629	-0.24091	5.148148	-2.8033	0.011989	0.020742	-4.18476	5.864307	5.871329	5.799175	5.371747	5.248674	5.345543	4.980658	5.048863	4.912549	5.193173	4.989766	5.147212	5.092452	5.188499	5.105638	4.802439	4.691628	4.780362
CDPF1	ENSG00000205643	-0.1178	2.589196	-0.95803	0.351113	0.415426	-6.48044	3.603403	3.209365	3.231147	3.06262	3.033076	2.865864	2.724622	3.023117	2.82232	2.37464	2.66072	2.569785	2.626498	2.770668	2.604018	2.524879	2.568968	2.549558
LIN52	ENSG00000205659	-0.67141	3.481534	-4.1685	0.000611	0.001461	-0.96546	2.884092	2.693541	2.5366	3.342644	3.053471	2.961768	3.050103	3.3682	3.00245	4.623032	4.588222	4.651854	3.501296	3.839509	3.65138	4.630284	4.414575	4.472495
NA	ENSG00000205664	-0.06701	4.467472	-0.9311	0.364487	0.42936	-6.96866	4.905158	4.893538	5.002498	4.562385	4.681813	4.685302	5.003988	4.928048	4.951444	4.172174	4.107636	4.087963	4.187612	4.235431	4.368551	4.311095	4.283876	4.268007
ETFRF1	ENSG00000205707	0.074431	4.838731	1.260961	0.223896	0.27961	-6.83034	3.983545	3.952741	3.81026	4.052041	3.6964	3.97338	4.13321	3.786013	3.990155	5.921232	5.899582	5.920264	5.969477	6.043948	6.012871	5.617847	5.748292	5.726921
C17orf107	ENSG00000205710	1.48024	0.243122	9.538409	2.40E-08	2.42E-07	9.426363	0.503316	0.582935	0.679585	1.326771	1.498102	1.188496	0.548589	0.387194	0.515351	1.158593	1.55885	1.387696	2.42639	2.190279	2.449456	1.320757	1.406038	1.626848
ITSN1	ENSG00000205726	0.122983	5.515285	2.319318	0.032716	0.050854	-5.16286	6.001113	6.037841	6.031155	6.085203	6.094235	6.164417	5.888503	5.905096	6.033605	5.096306	5.200828	5.074898	5.186547	5.301484	5.323798	4.829736	4.815969	4.82371
ITPRIPL2	ENSG00000205730	-0.25259	6.298727	-3.49651	0.002671	0.005436	-2.89337	6.359567	6.261877	6.220828	5.887123	5.95482	5.965928	5.931722	6.107342	6.033605	6.482683	6.563087	6.521048	6.333699	6.33341	6.383262	6.801262	6.726333	6.854832
DENND1C	ENSG00000205744	0.39417	0.18613	1.755804	0.09663	0.133778	-5.21797	0.742531	0.582935	0.421314	0.52061	0.730585	0.657796	0.106501	0.726566	0.735084	2.078238	1.989662	1.986992	2.399306	2.269709	2.365487	2.034568	1.90484	1.58715
PKD1P4	ENSG00000205746	0.073042	1.556434	0.492243	0.628673	0.682267	-6.68579	1.755904	1.551021	1.706811	1.182548	1.373859	1.475193	1.70672	1.809233	1.445026	2.100009	2.437987	2.569785	2.738794	2.433888	2.661487	2.652661	2.429363	2.350536
CRYZL1	ENSG00000205758	0.06952	4.149701	0.777137	0.447469	0.511584	-7.06676	4.688657	4.495815	4.662041	4.325376	4.551652	4.337497	4.090259	4.247712	4.428601	3.901688	3.958911	4.096105	4.215053	4.335734	4.315833	3.806044	3.896833	3.840032
RP9P	ENSG00000205763	0.127652	2.139809	0.79277	0.438541	0.503032	-6.44264	2.668993	2.870177	2.794903	3.342644	2.85862	3.103073	3.094248	2.801791	2.798137	2.033684	1.899254	1.839597	1.644349	1.897007	1.923865	2.432936	2.146913	2.252429
C5orf51	ENSG00000205765	0.281171	5.392952	2.883262	0.010112	0.017831	-4.02596	5.313374	5.237561	5.241504	5.730596	5.684306	5.935541	5.967764	6.043026	6.051618	5.085433	5.162472	5.158919	5.221759	5.144398	5.146464	5.198848	5.138081	5.262209
CATSPER2I	ENSG00000205771	-0.57241	0.688554	-2.09381	0.051144	0.075966	-4.43284	2.245129	2.258179	2.049454	1.457877	1.006428	1.623325	1.917967	1.945386	2.087859	0.7264	1.228418	1.188864	1.054048	1.120667	1.209118	0.837776	1.206659	1.058313
GAGE1	ENSG00000205777	-0.39648	-0.23098	-4.62265	0.000227	0.00061	0.151173	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.299944	4.127684	4.04234	3.850304	3.724396	3.593499	3.877544	3.829005	3.734962
PLPP6	ENSG00000205808	0.357422	4.365127	5.329494	5.04E-05	0.000163	1.348518	3.729242	3.8803	3.745844	4.384261	4.478119	4.279122	3.474265	3.646467	3.655245	5.001167	4.908086	5.020321	5.215949	5.260752	5.166452	4.823714	4.751478	4.536426
KLRC2	ENSG00000205809	1.683944	0.286296	5.640919	2.65E-05	9.19E-05	2.739593	1.18244	0.940485	1.499186	2.81607	2.490996	2.346268	2.102195	1.658879	2.047395	0.7264	0.748206	0.499259	1.088368	1.282615	1.17005	0.393424	0.504542	0.409347
PCOTH	ENSG00000205861	0.932561	0.060809	5.162702	7.16E-05	0.00022	1.797784	1.336422	1.327092	1.146821	1.933905	1.817192	1.575618	1.317361	1.430416	1.50602	0.7264	0.462741	0.594297	0.982856	1.032323	1.046067	0.837776	0.572487	0.580851
C1QTNF9B	ENSG00000205863	0.326263	-0.53083	3.515604	0.002562	0.005237	-2.11587	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.226465	3.470912	2.974933	3.520276	3.41941	3.533199	3.254827	3.404065	3.340497
C1RL-AS1	ENSG00000205885	0.019608	1.917416	0.152742	0.880352	0.90227	-6.83248	2.051128	2.068355	1.921989	2.021307	1.817192	2.455733	2.102195	2.255906	1.777424	2.605258	2.590228	2.272125	2.399306	2.50126	2.449456	2.334732	2.711397	2.59029
ZNF316	ENSG00000205903	-0.14067	5.739715	-1.52933	0.144079	0.189958	-6.55279	5.770583	5.759098	5.848213	5.199754	5.539998	5.183924	5.624444	5.640007	5.760779	5.89345	5.927012	5.984176	6.098213	5.964114	6.040211	5.989982	5.851038	5.745073
RNPS1	ENSG00000205937	-0.5063	7.83949	-8.69899	9.20E-08	7.37E-07	7.489614	8.10572	8.104574	8.158607	7.368553	7.441187	7.376994	7.84629	7.70625	7.828409	8.103609	8.030946	8.055822	7.794855	7.730522	7.732621	7.973237	7.960007	7.911259
NYNRIN	ENSG00000205978	2.712495	0.76546	11.62984	1.18E-09	2.14E-08	12.12981	0.41387	0.316291	0.679585	2.359902	2.366112	2.098749	1.459147	1.491012	1.01237	0.834246	1.228418	1.360915	2.727949	2.686334	2.730245	1.599785	1.82352	1.546329
DNAJC19	ENSG00000205981	-0.40154	4.69673	-6.43569	5.39E-06	2.33E-05	3.639973	4.789897	4.893538	4.904734	4.299384	4.213935	4.202668	4.583863	4.753535	4.633836	5.043915	4.989766	5.10547	4.785003	4.777434	4.845411	4.891489	4.897703	4.96205
DOK6	ENSG00000206052	1.271731	2.440304	8.960082	6.01E-08	5.17E-07	8.603146	3.603403	3.58855	3.511328	4.971905	4.770725	4.894191	3.719464	3.711575	3.733845	1.352446	1.190799	1.277453	1.818016	1.819936	1.900186	1.65509	1.478665	1.626848
JPT2	ENSG00000206053	0.610419	7.586986	15.07515	1.87E-11	9.76E-10	16.32184	7.026197	7.090719	7.057645	7.514081	7.539352	7.548972	7.54903	7.44805	7.422585	7.462464	7.387228	7.419112	8.140838	8.145486	8.124277	7.939526	7.901769	7.991854
SERPINB11	ENSG00000206072	-0.08404	-0.11874	-0.25337	0.80294	0.836107	-6.26375	4.226185	4.217373	4.011539	4.020568	4.158524	3.991672	6.33962	6.361757	6.329849	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SERPINB5	ENSG00000206075	-0.59751	6.458404	-3.52178	0.002527	0.005175	-2.85169	6.871008	7.002463	6.821334	5.842822	6.005424	5.822571	6.079044	6.109759	5.880784	6.630249	6.594939	6.574477	6.240442	6.412102	6.385395	7.070898	7.081482	7.143608
ZDHHC11B	ENSG00000206077	0.877468	-0.69039	1.575675	0.133027	0.177258	-5.02305	2.165157	1.744817	2.049454	2.291228	1.864131	2.098749	2.102195	1.901414	1.777424	0.106501	0.106501	0.288049	0.5125	0.784432	0.760679	0.183756	0.19538	0.106501
HERC2P9	ENSG00000206149	-0.22094	3.774109	-2.17093	0.043977	0.066218	-5.04933	3.999005	4.101775	4.208773	3.875646	4.009905	4.427589	4.302704	4.265167	4.22597	3.831846	3.896014	3.733386	3.346841	3.41941	3.478287	3.630901	3.467897	3.660409
GYG2P1	ENSG00000206159	0.604133	-1.18488	2.656845	0.016332	0.027335	-3.46564	0.216396	0.215206	0.106501	0.258133	0.106501	0.2349	0.269385	0.106501	0.106501	1.239286	1.55885	1.60868	1.878105	1.793303	2.10048	1.512637	1.513652	1.370407
ATP10A	ENSG00000206190	0.704435	1.014689	2.433595	0.02594	0.041374	-4.04578	1.069823	0.582935	1.202741	2.021307	2.03796	2.132113	0.983587	0.824004	0.833554	2.14259	1.777644	1.696985	2.062048	1.897007	2.121111	2.095813	2.447571	2.374055
DUXAP8	ENSG00000206195	0.306361	5.023835	6.327176	6.66E-06	2.79E-05	3.34694	4.740165	4.733688	4.813395	5.015132	5.008661	4.93257	4.751751	4.664259	4.751857	5.272006	5.247382	5.052059	5.45336	5.560311	5.578118	5.175396	5.222451	5.284099
HCP5	ENSG00000206337	0.23692	3.463405	1.942006	0.06843	0.09843	-5.57478	2.392887	2.009193	2.221741	2.887595	3.012388	3.349911	2.412257	2.753138	2.530983	4.399867	4.45572	4.460144	4.437701	4.630959	4.448272	5.010245	5.039493	4.938581
HLA-H	ENSG00000206341	0.473749	3.295923	5.697555	2.36E-05	8.30E-05	2.536493	3.96004	4.051346	4.019345	4.569652	4.607895	4.473866	4.274204	4.341199	4.355908	2.527059	2.320972	2.581432	2.760241	2.671787	2.76998	2.855159	2.741225	2.549558
H1-10-AS1	ENSG00000206417	0.66626	0.780333	2.798049	0.012124	0.020961	-3.16806	1.475543	1.277811	1.706811	2.143217	2.229385	2.374422	1.70672	1.549165	1.50602	0.934589	1.112482	1.46518	1.308151	1.320413	1.247156	1.482378	1.368306	0.734116
RAB12	ENSG00000206418	-0.33883	5.79608	-5.89349	1.58E-05	5.90E-05	2.361867	5.918158	5.920324	5.931247	5.420792	5.419464	5.331249	5.794634	5.740142	5.623012	5.978182	6.003595	6.137016	5.765863	5.910909	5.890527	5.984595	6.015684	6.028687
HLA-A	ENSG00000206503	0.390969	10.16232	5.179837	6.91E-05	0.000213	0.515853	9.718343	9.753241	9.782852	10.36788	10.45686	10.36617	10.10801	10.06924	10.19289	10.02548	10.01013	10.07892	10.17032	10.21619	10.22381	10.49016	10.49005	10.42489
HACD2	ENSG00000206527	0.036366	6.311588	0.426716	0.674796	0.723947	-7.70248	6.068608	6.086949	6.023412	5.657452	5.713437	5.801988	5.93476	5.994144	5.912107	6.721735	6.712433	6.67098	6.93067	6.991704	7.00912	6.60984	6.561611	6.559006
CFAP44	ENSG00000206530	0.368037	2.484438	2.408773	0.027289	0.043215	-4.49244	1.719036	1.173893	1.62731	2.548252	2.398361	2.605775	1.762502	1.945386	2.127218	3.751589	3.569479	3.36689	3.629193	3.599295	3.707028	3.333216	3.485627	3.770842
NA	ENSG00000206532	0.070724	0.019929	0.402753	0.692013	0.739799	-6.67664	0.41387	0.582935	0.219246	0.635873	0.25478	0.461789	0.269385	0.253663	0.256032	2.224158	2.388995	2.382761	2.079215	2.581279	2.513282	2.524879	2.295039	2.419973
LNP1	ENSG00000206535	0.792076	0.022039	3.013336	0.007649	0.013894	-2.66052	0.814199	0.316291	0.598525	1.022291	0.92021	0.984419	0.782422	0.915275	1.445026	1.158593	0.695454	1.094478	1.121891	1.203912	1.51998	1.571317	1.82352	1.703111
VGLL3	ENSG00000206538	0.761639	3.122079	9.123974	4.61E-08	4.17E-07	8.659321	2.461454	2.674627	2.758051	2.864145	2.881616	2.697781	2.144798	1.988058	1.873138	4.009149	3.930661	4.054926	4.900573	4.820936	4.839198	3.538334	3.554448	3.788453
ANKRD28	ENSG00000206560	0.685339	5.856719	13.36714	1.30E-10	3.98E-09	14.43983	5.845187	5.809819	5.843823	6.44268	6.474882	6.497692	5.646849	5.737018	5.663734	5.520274	5.4757	5.437298	6.123258	6.2029	6.224294	5.59858	5.631703	5.717759
METTL6	ENSG00000206562	0.053852	4.344914	0.76901	0.452155	0.516236	-7.15605	4.363907	4.312206	4.07284	4.43289	4.091068	4.226032	3.928981	4.413424	4.16108	4.656475	4.483212	4.612661	4.627624	4.627193	4.749288	4.555953	4.547132	4.651565
THUMPD3-	ENSG00000206573	-0.00048	3.457778	-0.00623	0.995104	0.995733	-7.30477	3.114469	3.196163	3.104764	3.142765	3.151334	2.998412	2.908934	3.351955	3.124172	4.182415	4.223947	4.12026	4.275881	4.084346	4.174939	3.743628	3.822043	3.992166
MIR621	ENSG00000207652	-0.22007	1.847601	-1.42808	0.170895	0.220297	-5.72744	2.438959	2.693541	2.558197	2.393052	2.429905	1.993763	2.545421	2.801791	2.440135	2.163418	1.899254	2.004401	1.818016	2.169719	1.923865	1.970607	2.190809	1.58715
MT-RNR2	ENSG00000210082	1.40752	9.805952	13.18557	1.62E-10	4.67E-09	13.99747	9.878284	9.880557	9.675323	11.23971	11.3625	11.19988	11.11436	10.84645	10.89432	8.430931	8.379711	8.215933	9.618417	9.735556	9.70189	8.817538	8.930831	8.623735
GPX3	ENSG00000211445	-0.83032	5.206689	-9.14473	4.46E-08	4.05E-07	8.630086	6.848782	6.962086	6.915329	5.938549	5.957528	5.832753	6.906617	6.74433	6.874788	4.092963	4.082178	4.12026	3.623353	3.759216	3.713835	4.185243	4.106163	4.108904
DIO2	ENSG00000211448	-1.02106	1.653874	-2.64417	0.016772	0.027985	-3.39393	5.578142	5.520446	5.643717	4.502891	4.594038	4.337497	5.338168	5.38452	5.300358	0.34397	0.330605	0.639567	0.787801	0.484926	0.707101	0.326864	0.19538	0.315289

SELENOH	ENSG00000211450	0.010319	5.092506	0.058735	0.953829	0.961934	-7.62199	5.0569	5.25994	5.234814	4.122913	4.752128	4.293939	4.758625	4.784126	4.758139	4.936085	5.372368	5.656856	5.807663	5.813217	5.746917	5.505727	5.440404	5.184529
GNRHR2	ENSG00000211451	0.161433	-0.5349	0.503022	0.621229	0.676	-6.36724	0.106501	0.215206	0.323815	0.635873	0.25478	0.563119	0.415731	0.622068	0.256032	1.732907	1.777644	1.839597	1.689764	1.528499	1.488568	1.784732	1.289746	1.877799
STK38L	ENSG00000211455	0.733779	6.327083	10.83248	3.53E-09	5.15E-08	10.9642	5.004246	4.901694	4.822347	6.036208	5.949389	5.956646	5.315037	5.356295	5.451432	7.072207	7.048421	7.035688	7.629532	7.585747	7.584032	7.121476	7.179377	7.256264
SACM1L	ENSG00000211456	0.174117	5.605809	2.865472	0.010503	0.018444	-4.10888	5.493352	5.575013	5.363051	5.848808	5.812494	5.827671	5.910274	6.112173	5.869223	5.376047	5.446069	5.403251	5.408221	5.443133	5.430962	5.731559	5.64557	5.760771
MT-RNR1	ENSG00000211459	0.744694	7.007514	4.766885	0.000166	0.000464	-0.15692	7.121095	7.815046	7.011423	7.593767	7.663132	7.501891	7.541078	7.285427	7.389583	6.226009	6.021117	5.998365	7.207868	7.345107	7.330296	6.539939	6.496423	6.275002
TSN	ENSG00000211460	-0.58331	6.744709	-12.399	4.31E-10	9.59E-09	13.13377	7.171428	7.152685	7.007503	6.485573	6.42096	6.425521	6.727255	6.863714	6.719273	7.061151	6.958238	7.049381	6.436358	6.579268	6.548502	6.684838	6.612931	6.753118
SLC48A1	ENSG00000211584	-0.48919	5.373069	-4.00775	0.000869	0.002002	-1.54114	6.921575	6.973738	6.922632	6.120268	6.350594	6.083584	6.271563	6.082943	6.344535	4.604112	4.382523	4.29666	4.337818	4.433832	4.377153	4.213151	4.464605	4.359215
PRR22	ENSG00000212123	0.381999	-0.07214	1.667798	0.113172	0.153617	-5.05781	0.814199	0.8079	1.202741	1.393812	1.437317	1.188496	1.074544	0.509405	1.01237	0.88529	1.029669	0.958181	1.018891	0.938214	1.002253	0.837776	1.024588	0.999041
SNORD17	ENSG00000212232	-1.17387	0.415095	-5.79365	1.94E-05	7.00E-05	3.033956	1.069823	1.118985	1.256574	0.742604	1.006428	0.563119	1.917967	1.901414	1.777424	1.704765	1.435603	1.439812	0.701742	0.7293	0.957066	1.708352	1.707432	1.665483
LINC01089	ENSG00000212694	-0.24722	1.056216	-1.02361	0.319977	0.383332	-5.97485	2.320899	2.232543	2.720234	2.103714	1.996426	1.993763	2.340763	2.451551	2.588518	0.982259	1.152172	1.305813	1.218025	1.203912	1.209118	0.686723	0.871168	1.504318
LINC02693	ENSG00000212719	0.114166	2.709337	0.734636	0.472303	0.535761	-6.41132	4.973272	4.897622	4.840087	5.036268	5.034541	5.227023	5.56294	5.499594	5.633301	1.490718	1.152172	1.094478	0.982856	0.837535	0.957066	1.354562	1.442809	1.370407
KRTAP2-3	ENSG00000212724	-0.23651	0.134629	-2.46875	0.024136	0.038782	-4.50514	0.106501	0.215206	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.182415	4.157244	4.488257	4.167687	4.084346	3.991027	4.481413	4.428393	4.292899
RTL8B	ENSG00000212747	1.951735	1.354534	12.60311	3.33E-10	7.88E-09	13.63549	0.216396	0.499412	0.421314	1.457877	1.437317	1.575618	0.886508	0.915275	1.314712	2.078238	2.714733	2.355887	3.92342	3.933972	3.985412	3.508614	3.485627	3.571657
EWSAT1	ENSG00000212766	1.554337	0.604629	3.409136	0.003235	0.00643	-1.78539	3.249862	3.222448	3.176339	4.845887	4.65537	4.751204	5.539183	5.525174	5.779429	0.269074	0.185134	0.16959	0.234608	0.26996	0.335616	0.106501	0.19538	0.214669
RPL15P3	ENSG00000212802	-0.07066	1.080192	-0.30693	0.762524	0.802766	-6.47128	1.927307	1.780637	2.138168	1.791994	2.429905	2.429135	2.446718	2.029503	2.127218	1.865926	1.335727	1.188864	1.088368	1.16289	1.002253	1.177011	1.368306	1.273688
RNF208	ENSG00000212864	0.457577	2.018392	2.711177	0.014569	0.024707	-3.815	2.080492	1.81559	1.78216	1.182548	1.612488	1.422231	1.525136	1.491012	1.314712	2.777267	2.935512	2.845681	3.507651	3.68147	3.353069	3.447271	3.571152	3.135595
MT-ND4L	ENSG00000212907	0.220264	6.412968	2.9026	0.009702	0.01719	-4.13304	6.964535	6.867402	6.803361	7.156889	7.224465	7.136182	7.133784	6.756723	7.084289	6.077544	5.793771	5.755256	5.902337	6.076066	6.033424	5.687476	5.589281	5.733755
MAP10	ENSG00000212916	0.134168	-0.48706	0.655974	0.520383	0.58237	-6.49789	0.216396	0.106501	0.219246	0.258133	0.106501	0.3528	0.106501	0.253663	0.39151	2.282443	2.453955	2.328504	2.329284	2.416542	2.433049	2.524879	2.233409	2.442395
AC016747.	ENSG00000212978	0.155341	3.682891	1.82088	0.08579	0.120361	-5.62571	4.357924	4.589672	4.382257	4.424898	4.43213	4.407292	4.034706	3.924273	4.207726	3.284659	3.26005	3.318995	3.652319	3.503965	3.693316	2.866919	3.009816	3.121769
ZNF580	ENSG00000213015	0.764635	3.801	12.62102	3.26E-10	7.77E-09	13.67576	3.142584	3.057038	3.231147	4.009923	3.901574	3.97338	3.137083	2.916694	3.289427	4.207702	4.107636	4.275306	4.938696	4.850301	4.845411	4.267397	4.221756	4.087723
ZNF611	ENSG00000213020	0.582019	2.819444	5.71397	2.28E-05	8.08E-05	2.53298	2.345296	2.308123	2.138168	3.06262	2.787348	2.5075	2.981245	2.916694	2.846105	3.102524	3.250939	3.018425	3.741287	3.495729	3.593499	3.552967	3.297679	3.56145
NUP62	ENSG00000213024	-0.85587	6.449364	-10.4421	6.18E-09	8.03E-08	10.39413	6.535529	6.527344	6.522195	5.833796	5.882565	5.825123	5.922569	5.999368	6.007476	7.198669	7.141947	7.183432	6.316609	6.210468	6.170875	7.080399	7.00977	7.043574
DENND1B	ENSG00000213047	-0.31824	3.93585	-5.66684	2.51E-05	8.77E-05	2.250548	4.461995	4.389636	4.441562	4.152252	4.120365	4.062605	4.205428	4.212157	4.08316	3.950439	4.066685	4.063257	3.640803	3.871689	3.754018	3.691675	3.644015	3.761956
Z99572.1	ENSG00000213062	0.000661	-0.55284	0.002644	0.997921	0.998271	-6.46064	0.41387	0.499412	0.421314	0.52061	0.25478	0.3528	0.269385	0.253663	0.629397	1.814181	1.435603	1.126631	1.644349	1.120667	1.695314	1.571317	1.206659	1.370407
SFT2D2	ENSG00000213064	0.424672	6.396066	4.868338	0.000134	0.000383	0.102972	6.046458	5.985084	5.929176	6.617648	6.622106	6.69757	6.43067	6.517343	6.293548	6.534567	6.548288	6.369748	6.700428	6.715826	6.694167	6.218282	6.248988	6.281235
CEP43	ENSG00000213066	0.030763	2.75343	0.266813	0.792736	0.82772	-6.82087	3.999005	3.82133	4.003689	3.955484	4.071202	4.036412	4.215456	4.138304	4.216877	2.30136	2.095243	1.839597	1.897591	1.897007	2.121111	1.85727	2.006592	1.910335
SCAF8	ENSG00000213079	-0.22454	5.693156	-4.16913	0.00061	0.001459	-1.32619	6.048317	6.045222	6.031155	5.622938	5.674464	5.611097	5.757368	5.801241	5.857568	5.655065	5.667648	5.681416	5.601813	5.62215	5.581843	5.479156	5.613675	5.642288
CFAP45	ENSG00000213085	-0.10361	0.074067	-0.35102	0.729772	0.773776	-6.57708	0.742531	1.118985	1.358564	0.258133	0.25478	0.461789	0.548589	0.253663	0.515351	1.964162	1.945166	1.896649	2.24051	2.596763	2.014873	1.482378	1.289746	1.703111
ZNF254	ENSG00000213096	0.143518	2.628191	1.538645	0.141798	0.18731	-5.96092	2.109269	2.232543	2.018628	2.548252	2.686486	2.22781	2.303642	1.988058	2.440135	3.60703	3.554746	3.519989	3.53901	3.724396	3.533199	3.190769	3.225651	3.279535
CRIP1	ENSG00000213145	0.343187	-0.43266	1.598152	0.12793	0.171363	-5.32917	0.216396	0.661886	0.512639	0.635873	0.389229	0.2349	0.269385	0.253663	0.256032	1.732907	1.644832	1.439812	1.838325	1.819936	2.058312	1.419885	1.82352	1.546329
KLHL23	ENSG00000213160	-0.27074	5.251594	-3.05778	0.00695	0.012779	-3.70335	5.149863	5.048491	5.207739	4.479932	4.544465	4.48682	5.115291	5.013152	4.782996	5.844313	5.855181	5.82305	5.755221	5.828053	5.709941	5.522553	5.51784	5.57792
TRIM59	ENSG00000213186	-0.35303	3.267762	-3.41402	0.003201	0.006372	-2.54733	2.548084	2.576149	3.075109	2.81607	2.85862	2.825643	3.094248	3.002451	3.084728	4.151473	4.132653	4.128223	3.488503	3.724396	3.780199	4.005409	4.258317	4.150354
MLLT11	ENSG00000213190	0.603299	5.105444	3.519875	0.002538	0.005194	-2.23198	7.590376	7.605084	7.583179	8.387684	8.325806	8.332504	8.074162	8.143222	8.060877	2.777267	2.590228	2.682227	2.452975	2.084417	2.294605	2.539649	2.518186	2.59029
ARHGEF35	ENSG00000213214	0.503112	-0.59728	5.93748	1.45E-05	5.48E-05	3.071689	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.047564	3.086546	2.930089	3.288992	3.606961	3.556108	3.181381	3.236163	3.149291
SUPT4H1	ENSG00000213246	0.960946	6.400235	17.2598	2.02E-12	1.90E-10	18.67472	5.454629	5.418975	5.30675	6.367536	6.256968	6.33171	6.266749	6.293224	6.273953	6.344741	6.311391	6.3469	7.320884	7.28305	7.294415	6.872994	6.902486	6.901097
NRAS	ENSG00000213281	0.122776	6.860109	2.459299	0.024609	0.039476	-5.10862	6.724088	6.71491	6.6881	6.730558	6.610109	6.633486	6.54443	6.595316	6.526664	7.045107	7.071245	7.090207	7.330773	7.330131	7.314148	6.928759	6.880875	6.956675
ANKRD39	ENSG00000213337	-0.36505	2.132528	-2.85935	0.010641	0.018661	-3.3282	2.815895	2.870177	3.119366	2.48816	2.429905	2.629332	2.340763	2.596487	2.560038	2.356666	2.155072	2.473063	2.412911	2.016959	1.947161	2.154563	2.295039	2.350536
QTRT1	ENSG00000213339	-0.30038	4.817815	-3.81848	0.001317	0.002883	-1.9528	5.340935	5.158086	5.350729	4.619522	4.726954	4.874612	4.673889	4.819999	4.994649	4.842324	4.91387	4.959141	4.922141	4.725555	4.749288	4.640597	4.721863	4.632189
CHUK	ENSG00000213341	-0.00328	5.743392	-0.04458	0.964947	0.971014	-7.66598	5.872723	5.930325	5.904096	5.7878	5.921921	6.031491	6.391403	6.493476	6.267362	5.512178	5.366053	5.509184	5.418375	5.472807	5.418515	5.516966	5.607615	5.470195
MXD3	ENSG00000213347	0.277212	1.479501	1.620996	0.122919	0.165554	-5.4053	1.927307	1.780637	1.921989	1.978268	2.71237	2.605775	2.102195	1.760835	2.087859	1.732907	1.967585	1.951531	1.755315	1.793303	1.900186	1.681967	1.795362	1.546329
GSTM2	ENSG00000213366	0.465993	1.364774	1.38433	0.183679	0.234842	-5.55447	3.43175	3.537122	3.607684	3.503067	3.6964	3.75519	3.539581	3.605944	3.586306	0.669294	0.462741	0.449284	1.644349	1.077171	1.390007	0.457048	0.433238	0.659518
COG8	ENSG00000213380	0.429366	4.445319	6.283841	7.25E-06	3.01E-05	3.349392	4.029438	3.838426	4.095173	4.40878	4.607895	4.414089	4.31208	3.967564	4.011347	4.5772	4.790397	4.845406	5.180594	5.003379	5.148978	4.762075	4.695442	4.577525
ARHGAP19	ENSG00000213390	-1.72186	2.854052	-10.1644	9.29E-09	1.12E-07	10.43231	3.408783	3.526613	3.745844	2.633943	2.520598	2.581827	3.761137	3.578282	3.746538	3.75845	3.562131	3.538032	1.797417	1.921808	1.610309	3.236813	3.116085	3.375875
LCAT	ENSG00000213398	0.430334	1.43951	2.727062	0.014089	0.02397	-3.38511	2.9807	2.596389	2.830836	3.441022	3.188693	3.03415	2.303642	2.389238	2.560038	1.158593	1.112482	1.277453	1.420179	1.622273	1.129895	1.13872	0.924142	0.999041
MAGEA12	ENSG00000213401	-0.20319	1.738407	-2.76241	0.013075	0.022424	-4.32465	0.216396	0.215206	0.421314	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	6.998778	6.901874	6.995989	6.819499	6.780817	6.791496	6.981773	6.901661	6.953751
GPC2	ENSG00000213420	-0.34434	2.069392	-2.822	0.011522	0.020033	-3.58252	1.927307	1.915637	2.326135	1.578054	1.2379	1.250575	1.867984	1.549165	1.620777	3.367773	3.26005	3.38694	3.083152	3.38415	3.147195	3.083983	2.908298	3.093712
RPL18AP3	ENSG00000213442	-0.07367	2.395954	-0.55767	0.584139	0.641828	-6.68512	2.996191	2.90305	3.25779	3.325575	3.112982	2.675323	3.027514	3.122225	3.254305	2.558849	2.115463	2.120715	2.145912	2.190279	2.141451	2.247458	2.429363	2.419973
SIPA1	ENSG00000213445	0.847257	4.434722	6.756493	2.90E-06	1.37E-05	4.233898	3.476616	3.505362	3.347346	3.342644	3.978251	3.419122	3.632324	3.809996	3.421943	4.992463	5.128054	5.249309	6.205689	6.156634	6.076316	5.299906	5.307153	5.000336
ERV3-1	ENSG00000213462	0.214958	3.725372	1.691319	0.108528	0.148176	-6.21457	1.286899	1.277811	1.202741	2.91067	2.490996	2.784269	1.70672	1.301009	1.50602	6.097974	6.198636	6.117149	6.208618	6.224242	6.186865	6.275652	6.299984	6.298239
SYNJ2BP	ENSG00000213463	0.458394	5.581934	7.730341	4.83E-07	2.94E-06	5.955446	4.654895	4.719916	4.636889	5.380038	5.208315	5.093661	5.188389	5.093515	5.136423	6.103374	6.048981	6.064176	6.464396	6.452024	6.481271	6.078617	6.131427	6.149449
ARL2	ENSG00000213465	0.145068	4.69558	2.187767	0.042539	0.064367	-5.26333	4.961483	4.999934	4.974661	5.312338	5.279302	5.179942	4.825625	4.747338	4.967798	4.460029	4.431731	4.575288	4.571104	4.450973	4.512148	4.55958	4.405289	4.347382
FIRRE	ENSG00000213468	-0.05934	1.777775	-0.56047	0.582271	0.639964	-6.79733	1.336422	1.708084	1.585853	1.688986	1.556428	1.367251	1.389995	1.710758	1.01237	2.990428	3.065914	3.001185	2.977243	2.850343	3.032078	2.807136	3.022017	2.84714
RBMXL1	ENSG00000213516	0.514006	4.019084	5.764459	2.05E-05	7.37E-05	2.355669	2.949211	2.748839	2.681399	3.753334	3.912781	3.632327	3.814892	3.550079	3.681923	4.565511	4.609763	4.506699	4.907798	4.92887	4.79173	5.080106	5.036489	5.081151
SRA1	ENSG00000213523	0.003846	6.141445	0.100779	0.920873	0.935134	-7.74661	6.313939	6.208634	6.282136	6.234408	6.23258	6.144119	6.179794	6.271797	6.284872	6.097974	5.9886	6.054807	6.086587	6.126279	6.116685	6.076086	6.144042	6.08143
DNAJC9	ENSG00000213551	-0.82463	5.438888	-10.113	1.00E-08	1.18E-07	10.0529	5.876913	5.776943	5.880717	5.396478	5.162106	5.331249	5.952856	6.055619	5.983548	5.44359	5.487385	5.607869	4.477091	4.501207	4.527685	5.774336	5.653435	5.666299
RPLP0P6	ENSG00000213553	-0.04488	2.258032	-0.28062	0.782296	0.818877	-6.73881	3.026682	3.128277	3.24453	3.425084	3.34578	3.086148	3.690999	3.102941	3.044176	2.204194	2.23117	1.800268	1.733794	1.710321	1.923865	1.903678	1.795362	2.003758
C8orf82	ENSG00000213563	1.269849	3.913189	18.13193	8.93E-13	1.05E-10	19.57389	2.933205	2.9974	3.217639	4.052041	4.091068	4.018682	3.238915	3.384264	3.528681	3.926269	4.008408	4.096105	5.26366	5.324918	5.292308	4.414877	4.464605	4.122853
VDAC1	ENSG00000213585	-0.47674	8.881625	-12.4429	4.08E-10	9.16E-09	13.07226	9.493435	9.547554	9.461866	9.013018	8.912996	8.979394	9.173195	9.246156	9.158156	8.744527	8.68298	8.732487	8.288605	8.317724	8.299394	8.658536	8.594612	8.623735
TMX2	ENSG00000213593	0.158667	6.757678	4.447181	0.000332	0.000855	-0.85584	6.266821	6.241136	6.262537	6.510332	6.387211	6.448879	6.668242	6.662719	6.591422	6.976883	6.95263	6.997076	7.082582	7.130493	7.106097	7.248837	7.151186	7.207186
HEXA	ENSG00000213614	0.446313	6.473416	8.475526	1.34E-07	9.99E-07	7.222848	6.879386	7.032486	6.852259	7.249167	7.188033	7.227766	6.591391	6.722383	6.668483	5.834606	5.9054	5.901803	6.429681	6.450959	6.527404	5.745959	5.784554	5.85153
NDUFS3	ENSG00000213619	-0.06658	5.73409	-1.7383	0.099742	0.137577	-6.22093	5.954295	5.954048	5.941555	5.872506	5.833285	5.862876	5.821145	5.957035	5.903632	5.658737	5.631248	5.729316	5.592876	5.704857	5.603999	5.616106	5.537098	5.542033
LEPROT	ENSG00000213625	0.750609	6.664682	7.969307	3.18E-07	2.07E-06	6.312874	6.785554	6.89524	6.697862	7.329489	7.266567	7.385665	7.104404	7.23317	7.11765	5.90895	5.9054	5.973166	6.841046	6.869541	6.928749	5.976476	6.008036	6.021259
LBH	ENSG00000213626	1.238874	4.99997	9.873545	1.44E-08	1.60E-07	9.706147	5.282121	5.063109	5.086643	5.740289	5.984333	5.930809	4.926746	4.690335	4.872576	4.065562	4.162112	4.194187	5.761881	5.760913	5.773225	4.581158	4.588743	4.444998
ADAT3	ENSG00000213638	0.272558	0.075563	0.902512	0.379055	0.443622	-5.99373	1.069823	1.002471	1.146821	0.742604	1.164793	0.657796	1.317361	0.824004	1.0941	0.54782	0.986408	1.305813	1.186687	1.428204	1.423614	1.419885	1.2488	0.999041
PPP1CB	ENSG00000213639	-0.1211	7.74727	-2.29053	0.034666	0.053586	-5.491	7.711454	7.636579	7.708583	7.741842	7.609904	7.687966	7.701295	7.82355	7.770546	7.995962	7.942814	7.933924	7.690499	7.78603	7.725902	7.629312	7.717574	7.762147
GPSM3	ENSG00000213654	-0.43806	3.075745	-3.72621	0.001613	0.003464	-1.87698	2.392887	1.883052	2.274882	2.518519	2.429905	2.374422	2.724622	2.623806	2.723053	4.151473	4.296585	4.45065	3.691919	3.846002	3.637126	4.208537	4.428393	4.317368
NCKIPSD	ENSG00000213672	-0.11276	4.993974	-1.12862	0.274314	0.334737	-6.95999	4.679091	4.677795	4.76778	4.938614	4.987618	4.913508	4.420085	4.467202	4.33084	5.471	5.467858	5.493859	5.244764	5.1936	5.128745	5.539185	5.547687	5.483771
ATF6B	ENSG00000213676	1.350148	6.135595	15.04437	1.93E-11	9.98E-10	16.38567	5.163648	5.048491	5.176661	6.252583	6.28095	6.182445	6.297757	6.168913	6.218085	5.726788	5.747555	5.61497	7.212737	7.135803	7.178627	6.453863	6.489849	6.509426
SEC14L1P1	ENSG00000213693	-1.00707	0.008889	-3.99897	0.000886	0.002035	-0.57821	1.384302	1.631689	1.406977	0.742604	0.828511	0.830331	1.762502	1.760835	1.564539	1.028404	1.112482	0.76743	0.701742	0.671977	0.593579	1.017342	0.572487	1.115245
S1PR3	ENSG00000213694	0.282315	2.790479	0.701338	0.492326	0.555026	-6.74447	2.526909	2.403106	2.5366	4.132759	4.081169	4.330328	2.696258	2.753138	2.77354	3.058725	3.034402	2.966075	2.178139	2.269709	2.276326	3.574643	3.093137	3.530388
SLC35F6	ENSG00000213699	0.325103	6.019531	7.163869	1.35E-06	7.09E-06	4.898401	6.637833	6.491317	6.59191	6.981377	6.886495	7.017339	6.475171	6.429119	6.373466	5.400378	5.340512	5.507659	5.682663	5.661337	5.638396	5.284643	5.225092	5.1812
CLIC1	ENSG00000213719	0.02511	8.163551	0.361738	0.721884	0.767069	-7.87206	8.294531	8.253005	8.207689	7.971108	8.124243	8.073298	8.024406	8.117026	8.018985	8.087352	7.994905	8.060771	8.272603	8.27475	8.263306	8.317086	8.345235	8.33745
DDAH2	ENSG00000213722	0.779961	4.712136	7.080329	1.58E-06	8.09E-06	4.888705	4.762983	4.677795	4.835673	4.915985	5.279302	5.028711	4.4712	4.332946	4.396744	4.323269	4.274276	4.50975	5.459928	5.514168	5.345877	4.533992	4.676269	4.520707
RPS29	ENSG00000213741	-0.11037	7.308015	-2.26145	0.036745	0.056409	-5.50681	7.479708	7.408758	7.401711	7.242362	7.239007	7.120683	7.364205	7.456621	7.346457	7.32479	7.352512	7.161291	7.205427	7.293184	7.327525	7.317937	7.278698	7.392771
ZNF337-AS	ENSG00000213742	0.486402	2.298999	4.208475	0.000559	0.001354	-0.52555	2.649532	2.802095	2.794903	3.162124	2.737798	3.26222	2.637802	2.220554	2.501332	2.338465	2.23117	2.183199	2.661114	2.627242	2.906973	2.247458	2.33471	2.174206
CENPBD1P	ENSG00000213753	0.317348	4.799012	4.738806	0.000177	0.000489	0.056295	4.674285	4.614695	4.758481	4.892995	5.128856	4.809079	4.629578	4.657666	4.570996	4.674725	4.745694	4.813663	5.123815	5.087991	5.058283	5.129758	5.048468	4.918728
ZNF134	ENSG00000213762	0.110644	5.503963	2.166761	0.044339	0.066714	-5.51538	4.957532	4.830853	4.795321	4.869634	4.701332	4.735009	4.857993	4.843429	4.789145	6.198522	6.206905	6.091924	6.405214	6.284049	6.40235	6.295367	6.220153	6.245022
ZNF845	ENSG00000213799	-0.26727	3.965171	-4.72265	0.000183	0.000505	0.125769	3.476616	3.547555	3.597291	3.181227	3.073582	3.231764	3.440463	3.672864	3.289427	4.867929	4.799799	4.850228	4.720818	4.600559	4.546874	4.820694	4.721863	4.797858
NA	ENSG00000213846	0.572489	1.28893	2.060505	0.054556	0.080414	-4.61729	1.927307	2.179863	1.818408	3.142765	2.71237	2.805104	1.648695	1.809233	2.239236	1.555182	1.498542	1.126631	1.186687	1.16289	1.667532	1.387593	1.67689	1.58715
EMP2	ENSG00000213853	0.257885	5.714971	5.363527	4.70E-05	0.000153	1.207211	4.219602	4.495815	4.275483	4.540361	4.478119	4.420855	4.358069	4.533523	4.296723	6.866102	6.915633	6.865126	7.163787	7.171141	7.178627	7.267812	7.274879	7.293742
KCTD11	ENSG00000213859	0.38744	4.12681	2.879506	0.010193	0.017954	-3.9469	3.58303	3.547555	3.648527	2.999448	3.112982	3.069023	3.158032	2.650616	3.084728	4.832603	4.842882	4.913796	5.481072	5.443133	5.505435	5.444259	5.480747	5.417409
NA	ENSG00000213865	-0.53044	1.081213	-1.71143	0.10469	0.143464	-5.26585	2.245129	2.068355	1.987129	0.635873	1.087782	0.830331	1.240874	1.491012	1.674905	2.100009	2.249583	1.780195	1.935792	2.398985	2.399663	1.599785	1.406038	1.58715
LINC01521	ENSG00000213888	-0.04418	0.013163	-0.23775	0.814843	0.846644	-6.41252	0.814199	0.875715	0.829201	0.635873	0.625525	0.909432	0.983587	1.001115	0.515351	1.158593	1.228418	1.413989	1.27873	1.16289	1.51998	1.512637	1.289746	1.370407
PPM1N	ENSG00000213889	-0.09361	2.023532	-0.53695	0.59807	0.655154	-6.69281	2.965042	2.636038	2.776595	2.063099	2.460774	1.956998	2.102195	2.290412	2.239236	2.224158	2.320972	2.16783	2.579013	2.416542	2.633039	2.368215	2.212266	2.003758
LTB4R	ENSG00000213903	0.316368	2.454492	3.298179	0.004123	0.008007	-2.58073	2.668993	2.576149	2.776595	2.955742	2.991399	3.069023	2.186178	2.481727	2.202855	3.002038	3.002186	2.615819	3.074617	3.193633	2.98783	2.192442	2.447571	2.374055
LIPE-AS1	ENSG00000213904	-0.34435	1.215985	-2.1457	0.046213	0.069227	-4.51234	1.791852	2.125186	1.744977	1.933905	1.612488	1.669505	1.762502	2.069791	1.38134	2.224158	1.725977	1.839597	1.597456	1.528499	1.695314	1.65509	1.513652	1.703111
LTB4R2	ENSG00000213906	0.068945	0.573679	0.32411	0.749701	0.79108	-6.47022	1.791852	1.327092	1.706811	1.634586	1.612488	1.669505	0.983587	1.001115	1.38134	1.676063	1.588084	1.094478	1.186687	1.393161	1.876113	0.789161	0.975239	0.872651
DNASE1	ENSG00000213918	0.288406	3.540487	3.905885	0.001086	0.002434	-1.66426	2.483604	2.470453	2.579475	2.840308	2.460774	2.629332	2.858632	2.702788	2.165532	4.81954	4.827642	4.635187	5.090337	5.12584	4.947129	4.62683	4.780497	4.651565
CSNK1E	ENSG00000213923	-0.42635	6.423475	-5.02008	9.69E-05	0.000288	0.422346	6.617945	6.563778	6.580083	5.654037	5.885412	5.906913	6.008705	5.899518	6.071932	6.864513	6.807156	6.881118	6.754194	6.643116	6.634428	6.768721	6.75403	6.649721
IRF9	ENSG00000213928	-0.28506	-0.38306	-1.21029	0.242281	0.299758	-5.86478	0.503316	0.410755	0.323815	0.52061	0.389229	0.3528	0.106501	0.509405	0.256032	2.121457	2.074736	1.73919	1.776519	1.560439	1.722572	1.320757	1.613793	2.14716
GALT	ENSG00000213930	0.214006	3.097615	2.15384	0.04548	0.068226	-5.00337	3.085796	2.836538	2.794903	2.864145	2.811499	3.086148	3.277716	2.777669	3.162566	3.622156	3.373534	3.38694	3.741287	3.852467	3.578659	3.374993	3.636099	3.540816
HBE1	ENSG00000213931	0.063257	0.953866	0.259514	0.798271	0.831975	-7.01259	0.41387	0.316291	0.898566	0.106501	0.106501	0.3528	1.074544	0.622068	0.833554	3.864012	3.647924	3.733386	3.974777	4.034047	3.985412	3.470581	3.546022	3.591857
CLDN9	ENSG00000213937	1.630399	0.990143	15.54769	1.13E-11	6.88E-10	17.03487	0.216396	0.106501	0.106501	0.106501	0.389229	0.106501	0.106501	0.106501	0.256032	5.046721	4.910981	5.064562	6.729941	6.575365	6.599015	5.342644	5.394214	5.252725
ITGA1	ENSG00000213949	1.805743	4.412037	4.273947	0.000485	0.001193	-0.74076	4.088441	4.190995	4.470324	7.029605	7.048942	7.054792	5.173034	5.150979	5.188519	3.42926	3.569479	3.48321	3.374919	3.401888	3.244428	3.70484	3.659719	3.805852
AC019080.	ENSG00000213963	1.44077	0.270954	4.884226	0.000129	0.000371	1.220219	0.667115	0.410755	0.964748	1.457877	1.768674	1.956998	1.816207	1.549165	1.50602	0.834246	1.029669	0.846782	1.446877	1.077171	1.456457	1.214313	1.118494	0.872651
NUDT19	ENSG00000213965	-0.45373	0.993581	-1.46638	0.160305	0.208533	-5.28675	6.309296	6.328431	6.348712	5.809447	5.791399	5.904501	6.02305	6.068104	6.046494	0.106501	0.106501	0.16959	0.234608	0.106501	0.186984	0.183756	0.106501	0.214669
ZNF726	ENSG00000213967	-1.01961	-1.22808	-4.22903	0.000535	0.001304	-0.21555	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.256032	2.163418	2.437987	2.382761	1.446877	1.357245	1.284217	2.173627	2.101639	2.119598
AC010615.	ENSG00000213976	-1.06995	0.249018	-5.33622	4.97E-05	0.000161	2.086923	0.814199	0.736739	0.512639	0.742604	0.389229	0.3528	1.074544	0.824004	0.629397	2.100009	2.155072	2.213454	1.186687	1.738515	1.17005	2.095813	2.146913	2.350536
TAX1BP3	ENSG00000213977	0.417341	0.243662	1.881955	0.076603	0.108866	-4.75048	1.561356	1.061904	1.453818	1.634586	1.437317	1.188496	1.160105	1.001115	1.314712	0.88529	0.748206	0.846782	1.248697	0.986036	1.247156	1.354562	0.924142	0.999041
AP1G2	ENSG00000213983	0.692844	5.911353	13.74746	8.32E-11	2.89E-09	14.86203	4.749336	4.769782	5.006431	5.338099	5.419464	5.384134	4.536652	4.373746	4.713579	6.71734	6.790747	6.672343	7.493285	7.437762	7.482552	6.685668	6.703787	6.702926
ZNF90	ENSG00000213988	-1.02746	-0.90119	-6.8673	2.35E-06	1.14E-05	4.982105	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.331423	3.166245	3.001185	2.027088	2.084417	2.312654	2.866919	2.908298	2.760563
NAXD	ENSG00000213995	0.290376	5.415035	6.117918	1.01E-05	3.99E-05	2.900291	5.560015	5.630049	5.547119	5.918767	5.960231	5.914123	5.701383	5.733887	5.646906	5.068969	5.092794	5.199163	5.361625	5.292003	5.367623	5.146741	4.99066	4.977487
PGAM1P7	ENSG00000213997	0.124364	-1.48562	0.620863	0.542702	0.603295	-6.29474	0.106501	0.106501	0.219246	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	1.616888	1.498542	1.439812	1.548989	1.560439	1.51998	1.542275	1.707432	1.626848
GANC	ENSG00000214013	-0.04043	4.369769	-0.46461	0.647945	0.699551	-7.3677	4.42241	4.366251	4.201929	3.851999	3.796595	3.91707	4.045989	4.138304	4.198517	4.637991	4.796672	4.708717	4.836392	4.944083	4.897167	4.768358	4.687803	4.749225
TTLL3	ENSG00000214021	0.517222	1.127894	2.541746	0.020761	0.033864	-3.73452	2.416107	2.37994	2.248556	2.143217	2.490996	2.845893	1.762502	1.85606	1.674905	1.073118	1.529011	0.921995	1.776519	1.710321	1.667532	0.837776	1.118494	0.999041
REPIN1	ENSG00000214022	0.347794	6.891174	6.174267	9.01E-06	3.62E-05	2.823602	6.866801	6.84854	7.054799	7.117763	7.320156	7.197551	7.063352	6.955272	7.000662	6.532567	6.653153	6.718564	7.064917	7.027851	6.999402	6.71443	6.670262	6.463573
MRPL23	ENSG00000214026	-0.32254	5.009846	-4.84942	0.000139	0.000396	0.302865	5.638616	5.706529	5.783216	5.1079	5.279302	5.261353	5.36994	5.392484	5.388034	4.685565	4.726103	4.904554	4.676384	4.66441	4.577054	4.694387	4.605057	4.572451
ZNF891	ENSG00000214029	-0.15493	3.645285	-2.14781	0.046022	0.06897	-5.23679	2.884092	3.042358	3.013906	2.714828	2.762786	3.200652	2.858632	3.214961	3.084728	4.71408	4.827642	4.560653	4.549709	4.525683	4.496442	4.581158	4.437531	4.551975
SMIM7	ENSG00000214046	0.447597	4.778583	5.864494	1.68E-05	6.21E-05	2.540981	5.376881	5.123634	5.126945	5.647184	5.607073	5.651925	5.661594	5.679597	5.591697	3.956418	4.01918	4.054926	4.509114	4.331113	4.460466	4.23146	4.035699	4.029672
FBXO16	ENSG00000214050	1.553867	1.673606	5.708474	2.30E-05	8.15E-05	2.752391	1.286899	1.327092	1.028027	3.162124	3.225109	3.349911	1.917967	2.069791	1.50602	1.704765	1.967585	1.820066	2.329284	2.50126	2.481722	2.368215	2.124453	2.091498
TSPAN4	ENSG00000214063	-0.03532	5.749811	-0.42645	0.674986	0.724096	-7.35364	7.723137	7.72484	7.79127	7.576736	7.775592	7.598299	8.080348	7.998106	8.097877	3.520882	3.817963	3.794706	3.913883	3.819851	3.831176	3.859998	3.903444	3.744016
CPSF1P1	ENSG00000214076	0.567052	0.466632	2.487475	0.023224	0.037468	-3.63584	1.791852	2.039077	1.78216	2.688367	2.155834	2.532704	2.513265	2.357042	2.408535	0.7264	0.398185	0.594297	0.701742	0.550009	0.533283	0.63264	0.816175	0.999041
CPNE1	ENSG00000214078	0.020422	6.117047	0.223574	0.825681	0.855597	-7.75078	5.928287	6.002253	6.015627	5.605366	5.617385	5.513197	5.639419	5.45466	5.598715	6.443838	6.397509	6.437802	6.748839	6.650554	6.760599	6.569927	6.541621	6.584432
ARL16	ENSG00000214087	-0.17108	5.267805	-2.44094	0.025553	0.040851	-4.91463	5.313374	5.240779	5.297149	4.921675	5.024245	4.942007	5.486326	5.348128	5.541593	5.223242	5.51238	5.424422	5.389419	5.238714	5.337086	5.404468	5.360979	5.507891
PAXIP1-AS	ENSG00000214106	1.453045	0.884332	7.418625	8.46E-07	4.75E-06	6.010824	1.336422	1.327092	1.358564	2.325974	2.229385	2.581827	2.513265	2.420731	2.560038	0.609835	0.799097	0.958181	1.548989	1.560439	1.390007	0.974502	1.16325	1.273688
LDHAP4	ENSG00000214110	-0.12645	-0.21575	-0.44162	0.66418	0.714118	-6.10221	1.755904	1.670392	2.109199	2.021307	2.117603	1.669505	2.26554	2.220554	2.34318	0.34397	0.462741	0.499259	0.46104	0.26996	0.186984	0.457048	0.504542	0.315289
LYRM4	ENSG00000214113	-0.17097	4.383924	-3.1872	0.00525	0.009936	-3.21093	4.688657	4.696667	4.715879	4.674482	4.641964	4.537503	4.512454	4.459641	4.592248	4.476768	4.283241	4.441093	4.203356	4.179969	4.155068	4.315393	4.298997	4.305185
MYCBP	ENSG00000214114	-0.0134	4.363332	-0.17404	0.863834	0.887897	-7.47743	4.088441	4.115866	4.07284	3.727576	3.808643	3.608819	3.988671	4.109604	4.08316	4.86157	4.806033	4.959141	4.973543	5.034983	5.063622	4.9115	4.874338	4.802199
AC132008.	ENSG00000214135	0.336574	2.427057	2.743005	0.013623	0.023254	-3.64694	2.725848	2.470453	2.274882	2.714828	2.737798	3.016392	3.004565	2.825515	2.82232	2.409929	2.766797	2.409144	2.55467	2.962168	2.782986	2.509956	2.618024	2.706008
ALG3	ENSG00000214160	0.29642	6.214076	4.732924	0.000179	0.000495	-0.16324	6.063102	6.086949	5.93744	6.578559	6.44045	6.513603	6.447785	6.168913	6.238447	6.173072	6.145548	6.06625	6.314799	6.155327	6.308779	6.222865	6.170318	6.183125
AMZ2P1	ENSG00000214174	-0.04887	3.142114	-0.44436	0.662238	0.712352	-6.91811	4.296689	4.287521	4.167214	4.299384	3.89028	4.130213	3.676552	4.009594	4.08316	2.527059	2.766797	2.473063	2.727949	2.671787	2.647333	2.300453	2.634012	2.326628
PLEKHM1P	ENSG00000214176	0.525603	3.211013	5.01591	9.77E-05	0.00029	0.856539	2.688195	2.356396	2.446827	2.633943	2.117603	2.5075	2.696258	2.324112	2.616448	4.071084	4.209911	4.029643	4.836392	4.612034	4.725907	4.052512	4.083055	4.157149
PTMAP5	ENSG00000214182	-0.22918	0.320555	-1.02084	0.321254	0.384603	-5.88864	0.947665	1.118985	1.30847	1.326771	0.92021	1.310092	1.588238	1.367163	1.445026	1.423238	1.029669	1.188864	0.787801	1.2438	0.862212	1.099384	1.547811	1.222783
ZNF788P	ENSG00000214189	-0.84053	-1.14494	-4.81445	0.00015	0.000424	0.935086	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.461296	2.753956	2.435052	1.498836	1.993753	1.749324	2.692858	2.618024	2.742606
SH3D21	ENSG00000214193	-0.06399	0.945883	-0.36005	0.723125	0.768159	-6.75304	0.882475	0.940485	0.598525	1.256461	0.92021	1.123626	0.415731	0.915275	0.735084	2.527059	2.590228	2.510098	2.42639	2.433888	2.220059	2.679583	2.711397	3.021085
SMIM30	ENSG00000214194	-0.17873	5.402772	-1.42487	0.171809	0.221314	-6.62035	5.98179	5.930325	5.949748	5.232173	5.326156	5.313181	5.781194	5.656635	5.653661	5.250266	5.196089	5.204822	5.459928	5.438844	5.487671	5.039116	5.021374	4.969789
C17orf67	ENSG00000214226	0.783871	1.274303	3.545299	0.0024	0.004938	-1.8459	1.010037	0.661886	0.679585	1.978268	2.03796	1.956998	1.389995	0.915275	1.38134	2.282443	2.074736	2.369387	2.452975	2.671787	2.399663	2.417026	2.552239	2.464474
FIS1	ENSG00000214253	0.073434	6.312276	0.910507	0.374942	0.439675	-7.36091	6.335412	6.325403	6.229267	6.036208	6.008039	6.064269	6.14086	6.166593	6.254089	6.396241	6.374623	6.429771	6.764843	6.668067	6.728186	6.329765	6.352866	6.355481
ANG	ENSG00000214274	1.538169	0.557772	5.295213	5.42E-05	0.000173	2.055067	1.336422	1.81559	1.256574	2.91067	3.170134	3.069023	1.917967	2.389238	2.202855	0.7264	0.640699	0.594297	0.701742	0.784432	1.002253	0.837776	0.816175	0.580851
SCART1	ENSG00000214279	1.262509	0.823752	5.532806	3.31E-05	0.000112	2.500589	1.681202	1.420874	1.54317	2.425456	2.299368	2.22781	1.917967	1.367163	2.202855	1.028404	1.152172	0.594297	1.755315	1.495836	1.876113	0.974502	1.072305	0.872651
APTR	ENSG00000214293	0.493958	2.822461	5.830723	1.80E-05	6.57E-05	2.728135	2.109269	2.068355	2.248556	2.955742	2.660129	2.784269	2.513265	2.481727	2.697131	3.349712	3.447177	3.538032	3.789021	3.819851	3.78667	3.366734	3.485627	3.571657
MBLAC1	ENSG00000214309	0.07432	0.216333	0.373248	0.713452	0.759753	-6.34115	0.947665	1.327092	1.202741	1.022291	1.2379	0.984419	1.160105	1.430416	0.925731	0.934589	0.986408	1.126631	1.154653	1.320413	0.957066	1.214313	1.547811	1.115245
AC009053.	ENSG00000214331	-0.14801	1.012557	-0.68906	0.499834	0.562348	-6.31522	1.286899	2.09705	1.921989	1.688986	1.498102	1.840725	1.648695	1.85606	1.918715	1.490718	1.672391	1.585733	1.27873	1.2438	1.923865	1.542275	1.206659	1.504318
NEURL1B	ENSG00000214357	1.202169	0.965976	6.442487	5.32E-06	2.30E-05	4.254339	0.667115	0.661886	1.028027	2.021307	1.612488	1.714252	1.70672	1.809233	1.50602	1.315703	1.467416	1.413989	2.096181	1.710321	2.07955	2.26534	2.169028	2.119598
HAUS3	ENSG00000214367	-0.65842	4.01575	-9.3799	3.07E-08	2.95E-07	9.074769	4.309146	4.243278	4.16017	3.77864	3.734793	3.936085	4.011872	4.230044	4.132351	4.505601	4.536672	4.425022	3.703037	3.86531	3.665494	4.161567	4.211138	4.311289

LINC00488	ENSG00000214381	-0.0225	-1.53919	-0.07505	0.941024	0.951648	-6.16309	1.602421	2.152784	1.954926	2.359902	1.666451	1.623325	2.933443	2.623806	2.616448	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.19538	0.106501
RPS3AP26	ENSG00000214389	-0.18386	1.582253	-1.00492	0.328648	0.391935	-6.11022	2.725848	2.425906	2.558197	2.661411	2.264801	2.719893	2.667326	2.650616	2.798137	2.01088	1.752042	1.305813	1.420179	1.2438	1.456457	1.286141	1.645686	1.416439
KANSL1-AS	ENSG00000214401	1.041772	0.714549	6.056829	1.14E-05	4.45E-05	3.442682	0.587539	0.875715	0.421314	0.635873	1.087782	1.123626	0.782422	1.082132	0.515351	2.338465	1.922393	1.951531	2.949505	3.009215	2.821313	2.075685	2.212266	2.003758
BBIP1	ENSG00000214413	0.231313	4.222892	3.160044	0.005569	0.010479	-3.12735	5.096964	5.041126	5.241504	5.412733	5.292232	5.441817	5.104539	5.319175	5.216162	3.463254	3.232543	3.325935	3.353912	3.622174	3.517722	3.383205	3.2466	3.421736
LRRC37A4P	ENSG00000214425	0.517412	-1.20757	1.541397	0.14113	0.186537	-5.05216	2.245129	2.09705	1.921989	2.21912	2.333126	2.455733	1.762502	1.945386	1.826075	0.106501	0.259702	0.106501	0.294634	0.190544	0.186984	0.106501	0.106501	0.106501
PPME1	ENSG00000214517	-0.31417	7.010127	-4.76486	0.000167	0.000466	-0.19447	6.708891	6.76941	6.806748	6.303597	6.196355	6.144119	6.447785	6.214549	6.282695	7.711709	7.669549	7.637072	7.50564	7.520771	7.549249	7.630175	7.683892	7.62675
STARD10	ENSG00000214530	0.774662	4.012299	10.53131	5.43E-09	7.28E-08	10.71681	2.345296	2.470453	2.248556	3.325575	3.295295	3.405543	2.667326	2.511284	2.34318	5.183009	5.108011	5.363329	5.936886	5.887493	5.9276	5.70396	5.581058	5.507891
NUTM2D	ENSG00000214562	0.56468	0.197937	2.546863	0.020542	0.03356	-3.56995	1.235614	1.277811	1.406977	1.326771	1.718467	1.367251	1.459147	1.491012	1.244857	0.88529	0.640699	0.993481	1.365252	1.357245	1.046067	0.63264	0.816175	0.659518
EML6	ENSG00000214595	0.967032	0.174746	3.640449	0.001947	0.004109	-1.41101	0.587539	0.736739	0.598525	1.326771	1.718467	1.475193	0.670238	0.915275	0.735084	1.158593	1.265082	0.884879	1.218025	1.320413	1.610309	1.45147	1.442809	1.775544
ZNF727	ENSG00000214652	-0.18129	-0.75543	-2.1377	0.046944	0.070203	-4.76188	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.047564	2.969234	2.966075	2.791825	2.686334	2.846311	3.001034	3.149837	3.121769
B3GNT10	ENSG00000214654	-0.35658	2.666092	-3.1345	0.005887	0.01101	-2.93678	2.949211	2.982098	3.075109	2.393052	2.299368	2.605775	2.667326	2.981485	2.748518	3.17611	3.013005	3.157196	2.760241	3.131201	3.010124	2.935534	2.813204	3.279535
ZSWIM8	ENSG00000214655	0.489321	5.615818	9.11174	4.70E-08	4.24E-07	8.39437	5.87482	5.711177	5.861303	6.333788	6.379154	6.415394	5.743574	5.724453	5.646906	5.267203	5.389075	5.306568	5.771154	5.652103	5.728547	4.936827	5.063304	4.849107
ARHGEF33	ENSG00000214694	0.335905	0.263984	1.303707	0.209244	0.263275	-5.6191	1.069823	0.8079	0.679585	1.256461	0.512209	1.188496	1.074544	1.231675	1.50602	1.239286	1.369793	1.219002	1.392977	1.710321	1.423614	1.099384	1.289746	1.322858
IFRD2	ENSG00000214706	-0.51358	6.593231	-5.74105	2.15E-05	7.69E-05	1.955382	6.617945	6.572745	6.650893	6.394386	6.510356	6.36717	6.560254	6.339273	6.4988	7.006724	6.944176	6.999791	6.296566	6.211726	6.192968	6.977033	6.927026	6.891962
HNRNPUL2	ENSG00000214753	-0.18667	5.038814	-3.40928	0.003234	0.00643	-2.9108	4.837972	4.980813	4.711067	4.647264	4.770725	4.918297	4.751751	4.747338	4.732845	5.44146	5.5776	5.492317	5.22369	5.29912	5.243746	5.442295	5.302159	5.40033
CSKMT	ENSG00000214756	0.018892	0.843849	0.104107	0.91827	0.933142	-6.58856	1.18244	1.708084	1.358564	1.840866	1.437317	1.188496	1.240874	1.605065	1.0941	1.646779	1.851833	1.759838	2.009285	1.528499	1.610309	1.419885	1.368306	1.370407
SEPTIN7P2	ENSG00000214765	-0.19948	2.336022	-1.333	0.199649	0.252608	-6.00054	2.609804	2.576149	2.739267	3.020814	2.737798	2.980206	2.376953	2.777669	2.892531	2.635389	2.889287	2.592986	2.225168	2.127698	2.257813	2.539649	2.447571	2.549558
TUBA5P	ENSG00000214796	-0.13229	-0.30071	-0.57324	0.573784	0.632539	-6.55041	0.41387	0.410755	0.323815	0.106501	0.25478	0.3528	0.106501	0.509405	0.256032	2.589954	2.500824	2.120715	2.343563	2.565626	2.294605	1.599785	1.878239	2.14716
DDX12P	ENSG00000214826	-1.84545	1.057959	-6.98296	1.89E-06	9.48E-06	5.242591	1.602421	1.508929	1.499186	0.934951	1.006428	1.422231	1.317361	0.726566	1.314712	3.102524	3.096753	2.671369	1.420179	1.032323	1.247156	1.948641	2.447571	2.610232
LINC01588	ENSG00000214900	-0.47905	1.54537	-2.17109	0.043962	0.066203	-4.61152	2.27083	2.009193	2.274882	1.326771	1.437317	0.746642	1.389995	1.491012	1.727075	2.30136	2.469748	2.25768	2.25569	2.50126	2.23906	2.583072	2.568968	2.610232
HLA-F-AS1	ENSG00000214922	-0.05208	-0.54504	-0.17648	0.861944	0.88622	-6.45212	0.318509	0.215206	0.106501	0.52061	0.25478	0.2349	0.670238	0.509405	0.39151	1.586365	2.074736	1.538714	1.573426	1.357245	1.390007	1.759719	1.981819	2.174206
ZSWIM7	ENSG00000214941	-0.51988	3.907946	-4.45174	0.000329	0.000847	-0.28934	5.313374	5.221361	5.214556	4.555081	4.360275	4.499659	4.393833	4.38177	4.520155	3.479955	3.414909	3.393562	3.360948	3.41941	3.225499	3.341669	3.022017	3.202807
ARHGEF28	ENSG00000214944	-0.27041	5.052249	-1.3836	0.183897	0.2351	-6.52097	6.290572	6.364284	6.40492	5.472108	5.529116	5.619944	6.192541	6.19874	6.206646	4.048869	3.964495	3.937488	4.540442	4.557684	4.539229	4.026533	3.974229	4.066226
LRRC69	ENSG00000214954	0.61477	-0.48332	2.930811	0.009133	0.016275	-2.95958	0.503316	0.410755	0.219246	0.395333	0.389229	0.657796	0.106501	0.387194	0.256032	1.457372	1.55885	1.538714	2.062048	1.993753	1.801384	1.599785	1.478665	1.703111
CRPPA	ENSG00000214960	0.1899	1.416591	1.056354	0.30519	0.367584	-6.2253	1.861169	1.508929	1.54317	1.393812	1.164793	1.055701	1.70672	1.549165	1.50602	2.47802	2.174476	2.183199	2.706013	2.657091	2.743612	2.075685	2.190809	2.119598
GSG1L2	ENSG00000214978	-0.58474	-0.96383	-2.98665	0.008101	0.014624	-2.6063	3.662849	3.628412	3.717332	3.041869	3.132285	3.03415	2.933443	3.160038	3.044176	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC129492.	ENSG00000214999	0.815997	0.788951	4.24724	0.000514	0.001258	-0.23622	0.667115	1.277811	1.358564	0.934951	1.437317	1.669505	0.983587	1.231675	1.01237	1.490718	1.644832	1.46518	2.225168	2.039797	2.365487	1.708352	1.795362	1.81044
RTL10	ENSG00000215012	0.225477	6.030971	3.012089	0.00767	0.013926	-3.89754	6.242672	6.173699	6.269099	6.508442	6.603208	6.659462	5.578564	5.78015	5.735532	5.98989	5.983108	5.959843	6.163051	5.989265	6.086842	5.736375	5.751959	5.762999
COL28A1	ENSG00000215018	0.587845	0.704021	3.919572	0.001054	0.002369	-1.3754	0.587539	0.499412	0.756332	0.395333	0.389229	0.2349	0.269385	0.106501	0.256032	3.376719	3.439177	3.254982	4.068019	3.871689	4.035179	3.415594	3.317614	3.455199
PHB2	ENSG00000215021	0.159776	7.785857	2.928572	0.009177	0.016343	-4.22716	7.7712	7.788901	7.81445	7.721596	7.813455	7.715053	7.891555	7.942913	7.911072	7.471365	7.546031	7.594958	7.879669	7.90664	7.84773	7.90999	7.900118	7.84074
RPL13P12	ENSG00000215030	0.059331	2.02473	0.289404	0.775677	0.813558	-6.69414	2.933205	2.61635	2.681399	3.123142	3.112982	2.784269	3.238915	2.568641	3.271973	2.338465	2.174476	1.538714	1.711947	1.921808	1.695314	1.759719	1.878239	1.58715
CD27-AS1	ENSG00000215039	0.315523	1.336861	2.013894	0.059678	0.087197	-4.55329	3.919992	3.863696	3.931056	4.236852	4.061165	4.154771	4.164604	4.090149	4.063004	0.609835	0.398185	0.397516	0.745413	0.612281	0.593579	0.457048	0.572487	0.580851
NEURL4	ENSG00000215041	0.175266	4.725988	2.814818	0.0117	0.020297	-4.0506	4.876148	4.877086	4.848876	5.062262	5.33034	5.085168	5.055139	4.905964	5.117003	4.557665	4.479316	4.482057	4.670733	4.565575	4.452348	4.526597	4.617172	4.572451
ALOX12-AS	ENSG00000215067	0.521151	-0.03856	1.9733	0.064488	0.093448	-4.58985	0.947665	1.002471	1.146821	1.182548	1.612488	1.367251	0.983587	0.915275	1.0941	1.158593	1.112482	0.76743	1.121891	1.032323	1.423614	0.738851	0.871168	0.315289
AC025171.	ENSG00000215068	1.551318	0.032094	5.277805	5.62E-05	0.000179	2.022603	0.587539	0.736739	1.028027	1.578054	1.2379	1.575618	1.816207	1.001115	1.171446	0.483018	0.89579	0.726056	1.392977	1.528499	1.639204	0.576451	0.816175	0.999041
TTC3P1	ENSG00000215105	0.569213	1.032067	3.182474	0.005304	0.010024	-2.43056	1.602421	1.81559	1.62731	2.181668	2.549605	2.317553	1.816207	1.945386	1.50602	1.388276	1.403073	1.126631	1.420179	1.591687	1.284217	1.177011	1.478665	1.416439
UBXN2B	ENSG00000215114	0.172455	5.491484	2.852474	0.010798	0.018901	-4.13283	5.37392	5.253581	5.402389	5.619441	5.518152	5.510028	5.729647	5.755661	5.716303	5.41565	5.531317	5.432483	5.610696	5.556356	5.609485	5.488702	5.453977	5.461988
CBWD6	ENSG00000215126	0.059102	1.572547	0.324737	0.749235	0.790646	-6.62822	1.894617	2.308123	1.78216	2.063099	1.612488	2.029614	2.376953	2.481727	2.440135	1.940223	1.989662	1.800268	2.044674	1.970168	2.07955	1.734264	1.645686	2.003758
BX322639.	ENSG00000215146	-0.49541	-0.60899	-4.59518	0.000241	0.000644	0.286739	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.186323	3.295928	3.117748	2.591031	2.743101	2.730245	3.824254	3.800954	3.669942
AC141586.	ENSG00000215154	-0.48252	2.064712	-3.71798	0.001642	0.003521	-1.53049	2.688195	2.55562	2.776595	1.840866	2.264801	1.993763	2.607661	2.420731	2.440135	2.510897	2.437987	2.604447	2.112949	2.269709	2.574402	2.26534	2.429363	2.200755
AC138409.	ENSG00000215158	0.49052	0.374273	2.620506	0.017623	0.029241	-3.48473	1.235614	1.061904	0.898566	1.326771	1.307481	1.714252	1.160105	1.430416	1.171446	1.239286	1.467416	0.958181	1.473091	1.320413	1.320349	1.017342	1.024588	1.058313
MUC5AC	ENSG00000215182	-1.73014	1.808441	-4.42195	0.000351	0.000897	0.11794	2.27083	2.039077	1.954926	1.791994	1.996426	2.481849	2.806512	2.753138	2.981126	2.990428	3.044983	2.883807	0.828978	0.784432	0.910419	2.652661	2.799093	2.830235
LINC00680	ENSG00000215190	-0.0466	2.417405	-0.49278	0.628303	0.681982	-6.83884	2.649532	2.55562	2.758051	2.425456	2.520598	2.455733	2.412257	2.389238	2.643847	2.83033	2.701418	2.930089	2.892375	2.657091	3.053703	2.807136	2.649824	2.81313
PEX26	ENSG00000215193	0.107644	5.264054	1.954866	0.066785	0.096355	-5.84052	5.082524	5.015049	5.052811	5.009799	5.044764	5.046319	4.651903	4.540708	4.84333	5.632834	5.694779	5.627664	5.891445	5.710205	5.875427	5.568288	5.589281	5.593031
FASTKD5	ENSG00000215251	-0.20116	6.036773	-3.95286	0.00098	0.002225	-1.83651	6.281119	6.347962	6.278888	6.064776	5.919145	5.942611	6.454151	6.524609	6.302172	5.793443	5.919844	5.849781	5.784299	5.750567	5.773225	6.015301	6.032367	6.039759
GOLGA8B	ENSG00000215252	0.1973	4.554531	1.53469	0.142763	0.188345	-6.33876	4.816318	4.765319	5.014266	4.851861	4.607895	4.979151	4.245129	4.459641	4.563842	4.529864	4.872886	4.275306	4.873768	4.827513	5.034009	3.724364	4.173346	4.520707
DHRS4-AS1	ENSG00000215256	0.50646	3.091331	4.217714	0.000548	0.001332	-0.71087	3.142584	3.235413	3.119366	3.255206	3.808643	3.377995	2.981245	2.825515	2.77354	2.943032	3.096753	3.043904	3.475595	3.622174	3.658454	3.254827	3.546022	3.519884
AKR1C7P	ENSG00000215267	-0.49218	-0.65022	-1.30825	0.207734	0.261606	-5.33669	1.990546	2.356396	2.138168	1.634586	1.953662	1.422231	2.102195	2.255906	2.34318	0.106501	0.259702	0.449284	0.171976	0.26996	0.263213	0.257084	0.2791	0.315289
HOMEZ	ENSG00000215271	0.615575	4.027117	10.7146	4.17E-09	5.84E-08	11.03738	3.313074	3.35903	3.431666	3.77864	3.867423	3.888069	3.370387	3.023117	3.044176	4.557665	4.588222	4.569452	5.19838	5.25832	5.13383	4.530299	4.695442	4.694231
DDX3X	ENSG00000215301	-0.33375	9.081086	-9.91388	1.35E-08	1.53E-07	9.420771	9.644847	9.585704	9.565974	9.243762	9.215807	9.258959	9.466651	9.516846	9.460285	8.93939	8.923977	8.867044	8.569762	8.617959	8.617218	8.67368	8.636879	8.706251
AC127502.	ENSG00000215302	-0.78365	-0.7024	-1.76068	0.095779	0.132766	-4.72231	1.475543	1.670392	1.78216	1.888135	1.437317	1.669505	1.648695	1.809233	1.564539	0.609835	0.583785	0.34382	0.106501	0.190544	0.186984	0.457048	0.358227	0.315289
VPS16	ENSG00000215305	0.249986	5.229695	5.216656	6.39E-05	0.000199	0.993082	4.846543	4.778666	4.904734	5.142425	5.079986	5.085168	4.80585	4.981823	4.860948	5.573767	5.481554	5.623445	5.855776	5.823124	5.697974	5.516966	5.384796	5.417409
MYL5	ENSG00000215375	0.245275	3.92418	2.236039	0.038655	0.059011	-5.01091	4.730936	4.457599	4.725456	4.584077	4.58706	4.512384	3.719464	3.84524	4.00079	3.599408	3.547323	3.567612	4.076593	4.034047	4.179864	3.530961	3.267249	3.477085
MIR99AHG	ENSG00000215386	1.596873	-0.32205	2.96943	0.008407	0.015109	-2.64411	1.755904	1.631689	1.853768	2.143217	2.299368	2.196611	1.459147	1.901414	1.777424	0.106501	0.185134	0.288049	1.154653	1.077171	1.423614	0.326864	0.19538	0.214669
MIR17HG	ENSG00000215417	-0.25898	0.241427	-0.92895	0.365566	0.430453	-6.01131	1.384302	1.118985	0.964748	0.841981	0.625525	0.461789	1.160105	1.367163	1.38134	1.457372	1.300837	1.126631	1.420179	1.320413	1.639204	1.099384	1.2488	1.322858
ZNF407	ENSG00000215421	0.04305	4.074043	0.601231	0.555404	0.615134	-7.1658	4.321496	4.429669	4.301326	4.375995	4.020303	4.308605	4.302704	4.256466	4.22597	3.851231	4.14254	3.946523	4.114557	4.154036	4.14503	3.967679	4.035699	3.992166
MCM3AP-A	ENSG00000215424	0.390123	1.424546	2.335956	0.031636	0.049342	-4.42806	1.286899	1.173893	1.088647	1.393812	1.373859	1.475193	0.415731	1.301009	1.38134	2.693825	2.546219	2.581432	2.968056	3.054776	2.782986	2.901634	2.921385	2.706008
NPEPL1	ENSG00000215440	0.156074	1.891968	0.724313	0.478458	0.54188	-6.40409	3.011517	3.012542	3.419917	2.933382	2.926537	2.719893	2.832807	3.002451	3.143496	1.073118	1.300837	1.333627	1.858352	1.793303	1.970087	1.65509	1.90484	1.626848
NA	ENSG00000215447	0.13406	2.700644	0.949221	0.35545	0.41993	-6.65017	2.744313	2.693541	2.600444	2.325974	2.078331	1.840725	2.667326	2.290412	2.376228	3.236329	3.30476	3.312021	3.825085	3.599295	3.608189	3.324713	3.476789	3.487904
HNRNPA1P	ENSG00000215492	-0.42663	0.483273	-1.98659	0.062877	0.091373	-4.6182	1.719036	1.508929	1.499186	0.934951	1.164793	1.526279	1.389995	1.710758	1.38134	1.352446	1.529011	0.993481	1.054048	0.986036	1.320349	0.974502	1.024588	1.322858
FRG1JP	ENSG00000215548	-0.38937	0.355105	-1.33533	0.1989	0.251772	-5.67275	1.286899	1.327092	1.54317	0.742604	0.389229	0.461789	0.670238	1.15884	0.833554	1.787595	1.588084	1.538714	1.548989	2.084417	1.947161	1.45147	1.329561	1.416439
TMEM242	ENSG00000215712	-0.2459	3.99175	-2.89913	0.009774	0.017305	-3.6728	4.767504	4.917869	4.657046	4.40878	4.343809	4.379778	4.737903	4.482206	4.578115	3.584041	3.735447	3.728156	3.617489	3.576046	3.734067	3.508614	3.458949	3.387478
TMEM167B	ENSG00000215717	0.336692	5.157408	6.249491	7.76E-06	3.19E-05	3.200742	4.957532	5.033724	4.946277	5.404628	5.334513	5.338414	5.396627	5.38452	5.404147	5.004057	5.003394	5.054151	5.278599	5.401859	5.236673	5.090174	5.123998	5.187851
FAM72D	ENSG00000215784	-1.88869	0.738883	-5.7676	2.04E-05	7.33E-05	2.981578	1.894617	1.708084	1.78216	1.74141	1.2379	1.055701	2.186178	1.945386	2.005764	1.98771	1.752042	1.915176	0.407676	0.550009	0.404558	1.85727	1.547811	1.81044
TNFRSF25	ENSG00000215788	-1.11072	1.025872	-4.30346	0.000454	0.001126	-0.08992	2.526909	2.308123	2.5366	1.104644	1.164793	0.830331	1.389995	1.549165	1.445026	1.732907	1.777644	1.67541	1.498836	1.495836	1.423614	1.948641	1.766644	1.546329
SLC35E2A	ENSG00000215790	0.923113	0.635575	5.707874	2.31E-05	8.16E-05	2.848417	1.475543	1.277811	1.453818	1.519216	2.078331	1.714252	1.525136	1.231675	1.38134	1.073118	0.941811	0.993481	1.776519	1.710321	1.667532	1.058946	1.16325	1.058313
LINC01139	ENSG00000215808	0.475989	-0.88879	2.218094	0.040059	0.060906	-4.04585	2.965042	2.90305	2.933559	3.359513	3.362223	3.306732	3.440463	3.3682	3.498982	0.106501	0.106501	0.106501	0.106501	0.106501	0.186984	0.106501	0.106501	0.106501
TSTD1	ENSG00000215845	0.973234	2.454862	10.83722	3.50E-09	5.13E-08	11.24148	1.010037	0.736739	0.512639	0.52061	1.006428	1.055701	1.074544	1.082132	1.244857	4.600298	4.732663	4.637978	5.60478	5.62404	5.689366	5.507606	5.444943	5.265357
CYB5RL	ENSG00000215883	0.100759	1.816356	0.69903	0.493731	0.55639	-6.56133	2.165157	2.039077	1.954926	2.063099	2.549605	2.402038	1.816207	1.549165	2.202855	2.100009	2.437987	2.369387	2.343563	2.190279	2.257813	2.334732	2.295039	2.419973
CROCCP2	ENSG00000215908	0.290436	2.591378	3.015978	0.007606	0.013828	-3.21635	2.109269	2.258179	2.248556	2.359902	2.71237	2.374422	2.696258	2.481727	2.588518	3.047564	3.241771	3.210672	3.353912	3.552417	3.317756	3.123735	3.236163	3.050576
AC009403.	ENSG00000216895	0.197358	2.228637	1.543665	0.140582	0.185915	-5.6466	3.085796	3.07157	3.104764	3.103249	2.926537	3.18484	2.981245	3.083395	2.937508	1.865926	1.875739	2.152295	2.371704	2.416542	2.18129	1.627702	1.90484	1.877799
CCDC7	ENSG00000216937	-0.32551	-0.18836	-1.48787	0.154605	0.202319	-5.18359	1.755904	1.883052	1.78216	1.933905	1.307481	1.475193	1.70672	1.809233	1.873138	0.415169	0.583785	0.54756	0.407676	0.550009	0.404558	0.576451	0.504542	0.315289
FNIP1	ENSG00000217128	0.568922	4.724906	4.02376	0.000839	0.001938	-1.47133	3.991296	4.262405	4.215584	5.1079	4.911451	5.085168	5.223595	5.255104	5.067277	4.660143	4.765022	4.692697	5.005325	5.090728	4.900154	4.533992	4.648991	4.661156
CKLF	ENSG00000217555	-0.67577	-0.26557	-2.42805	0.026236	0.041793	-3.72159	1.336422	1.277811	1.406977	0.742604	1.164793	1.250575	1.074544	1.430416	1.244857	1.116489	1.029669	0.921995	0.656707	0.612281	0.707101	0.393424	0.637375	0.315289
AL390719.	ENSG00000217801	0.074116	2.326044	0.299716	0.767929	0.807442	-7.20229	2.461454	2.258179	2.621113	0.841981	0.512209	0.657796	1.160105	1.231675	0.925731	3.950439	4.013804	4.071539	4.38345	4.581228	4.333621	4.280646	4.263465	4.311289
PAM16	ENSG00000217930	-0.47119	1.265897	-2.96686	0.008453	0.015179	-2.92497	2.296082	2.125186	1.744977	1.519216	1.817192	1.880533	1.816207	1.988058	2.165532	1.76051	2.053933	1.759838	1.420179	1.393161	1.722572	1.45147	1.67689	1.665483
AC016739.	ENSG00000218175	0.021415	0.301477	0.069836	0.945117	0.95477	-6.37198	1.286899	1.226787	1.744977	1.888135	1.864131	1.623325	1.917967	1.491012	1.918715	1.278001	1.112482	0.884879	0.907968	0.671977	0.651457	0.63264	0.975239	0.497646
MORF4L1P	ENSG00000218283	0.00717	3.922479	0.101738	0.920122	0.934691	-7.3211	4.226185	3.976101	4.235828	4.290615	4.360275	4.138446	3.988671	3.946081	3.924645	4.082065	3.964495	3.877343	3.835226	3.921728	3.951255	3.871719	3.942484	3.797179
TENM3	ENSG00000218336	1.868563	4.830108	18.43079	6.80E-13	8.50E-11	19.70389	6.526223	6.638885	6.626822	8.448077	8.416679	8.598395	7.541078	7.434614	7.37535	2.163418	1.967585	1.631268	3.116795	3.253475	3.263113	2.173627	2.392244	2.419973
AL590867.	ENSG00000218426	-0.2256	1.332437	-1.20508	0.244234	0.302043	-5.87252	2.296082	2.206444	2.351095	2.48816	2.078331	1.714252	2.412257	2.108984	2.471058	1.940223	1.498542	1.514616	1.498836	1.428204	1.610309	1.250674	1.206659	1.370407
LINC00339	ENSG00000218510	-0.06543	2.729842	-0.52538	0.605918	0.662376	-6.84401	3.498536	3.335139	3.359697	3.392671	3.242978	3.168853	3.33403	3.122225	3.084728	2.943032	2.85362	2.638296	2.706013	3.054776	2.675503	2.055273	2.48331	2.14716
MIF-AS1	ENSG00000218537	-0.31861	0.513898	-1.16869	0.258224	0.317716	-5.79863	1.561356	1.631689	1.62731	0.635873	1.307481	1.840725	0.983587	1.658879	1.01237	1.490718	1.190799	1.126631	1.248697	1.282615	1.129895	1.320757	1.289746	1.461048
CEBPZOS	ENSG00000218739	0.126073	6.227541	2.003081	0.060927	0.088839	-5.82545	6.786668	6.797001	6.767886	6.887089	6.747888	6.734696	6.88479	6.907443	6.911887	5.640283	5.615362	5.549768	5.74987	5.903146	5.912885	5.570088	5.526431	5.590523
ZNF579	ENSG00000218891	0.589444	3.590561	5.068276	8.74E-05	0.000262	0.947613	2.965042	3.027527	3.013906	2.955742	3.656958	2.998412	2.832807	3.196885	3.289427	3.805587	3.942027	4.348702	4.755939	4.756906	4.663983	4.442647	4.211138	4.143528
NBPF1	ENSG00000219481	0.02301	5.006588	0.346103	0.733396	0.776836	-7.51743	4.794334	4.860445	4.883506	5.041505	4.939117	5.122998	4.99237	5.063901	5.136423	5.283944	5.150274	5.191584	5.117597	5.063124	5.138897	4.991566	4.981317	5.191165
FTH1P8	ENSG00000219507	0.421768	1.080024	2.846192	0.010944	0.019126	-3.12379	1.475543	1.708084	1.818408	2.181668	2.155834	1.840725	1.648695	1.901414	2.047395	1.388276	1.435603	1.277453	1.667235	1.622273	1.355599	1.354562	1.513652	1.626848
UMAD1	ENSG00000219545	0.742526	4.044321	8.398419	1.52E-07	1.11E-06	7.484428	4.131163	4.406929	4.208773	5.15214	5.075006	5.135391	4.758625	4.784126	4.585199	3.488234	3.136872	3.439082	3.814873	3.987816	3.734067	3.61006	3.529023	3.56145
PPP1R3G	ENSG00000219607	-0.31715	-0.58877	-1.04809	0.308874	0.371311	-5.89738	0.318509	0.215206	0.512639	0.258133	0.625525	0.106501	0.415731	0.253663	0.515351	1.278001	1.467416	1.514616	1.154653	1.282615	1.320349	2.494877	2.354144	2.003758
FAM228B	ENSG00000219626	0.888455	0.956332	3.967441	0.000949	0.002163	-0.76118	1.286899	1.883052	1.028027	1.978268	2.03796	2.557474	1.867984	1.85606	1.873138	0.982259	1.228418	1.219002	1.365252	1.393161	1.749324	1.286141	1.67689	1.58715
ZNF433-AS	ENSG00000219665	0.28822	-1.15913	2.527028	0.021403	0.034832	-3.88343	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.263275	2.267764	2.314614	2.466086	2.549802	2.481722	2.211015	2.190809	1.844513
ZSCAN12P1	ENSG00000219891	-0.94117	-1.04863	-3.01843	0.007566	0.013765	-2.65377	0.503316	0.316291	0.323815	0.395333	0.106501	0.106501	0.415731	0.387194	0.106501	1.457372	1.699433	1.333627	1.018891	1.032323	1.129895	1.286141	1.329561	1.58715
VAMP2	ENSG00000220205	-0.00889	5.210864	-0.09603	0.924591	0.938294	-7.52482	6.072266	6.047062	6.089793	6.020383	5.87399	6.009218	6.242435	6.164269	6.218085	4.447347	4.479316	4.488257	4.586193	4.608219	4.550681	4.026533	4.273707	4.444998
RPL21P16	ENSG00000220842	-0.20841	-0.01831	-0.82455	0.420737	0.485817	-5.97947	1.18244	1.118985	1.54317	1.791994	1.164793	1.188496	1.389995	1.367163	1.38134	1.116489	0.848253	0.683459	0.562188	0.7293	0.593579	0.63264	1.024588	0.805046
PPP3CB-AS	ENSG00000221817	0.099658	1.848425	0.597637	0.557747	0.617432	-6.61747	2.27083	2.356396	2.274882	2.21912	1.666451	1.880533	2.303642	1.988058	2.376228	2.263275	2.267764	2.004401	2.491955	2.50126	2.618601	2.135245	1.981819	2.326628
C6orf226	ENSG00000221821	0.715846	1.611359	4.40699	0.000363	0.000923	-0.03945	1.755904	1.465573	1.706811	2.021307	1.909591	2.317553	1.074544	1.549165	1.918715	1.787595	2.388995	2.328504	2.579013	2.985883	2.846311	2.075685	2.030948	2.302316
PPP3R1	ENSG00000221823	-0.20414	6.256313	-3.25417	0.004538	0.008717	-3.38277	6.242672	6.347962	6.357977	6.33805	6.334017	6.140024	6.711398	6.76901	6.796075	6.193468	6.101878	6.271613	5.853284	5.879602	5.821296	6.281155	6.250286	6.27968
PSG3	ENSG00000221826	-0.73536	-1.14973	-3.75618	0.00151	0.003264	-1.29196	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.356666	2.575707	2.569785	1.797417	1.766169	1.749324	2.384669	2.054898	2.302316
FANCG	ENSG00000221829	-1.06427	4.278913	-9.43665	2.81E-08	2.74E-07	9.094748	4.226185	4.014214	4.268949	3.887325	3.48743	3.620621	3.866715	3.809996	3.708117	5.326119	5.267851	5.288917	4.207266	3.896925	4.134921	5.14915	5.160331	5.174518
AP4M1	ENSG00000221838	0.594963	4.197352	9.099402	4.80E-08	4.31E-07	8.590889	4.239263	4.115866	4.080323	4.681208	4.764552	4.679672	4.274204	4.307901	4.444269	3.907872	4.013804	3.867863	4.549709	4.484656	4.423569	4.057652	4.273707	3.840032
MAGEA3	ENSG00000221867	-0.18177	3.421864	-3.15286	0.005657	0.010625	-3.58248	0.503316	0.875715	0.679585	0.395333	0.828511	0.909432	0.670238	0.387194	0.833554	7.828383	7.745709	7.841295	7.643304	7.624034	7.586353	7.720447	7.757802	7.772692
CEBPD	ENSG00000221869	0.678937	4.202095	4.319321	0.000439	0.001092	-0.81793	3.613482	3.777682	4.138828	4.687901	4.807214	4.480358	3.027514	2.894433	3.181386	4.14101	4.637993	4.768526	5.123815	5.162721	5.047545	4.805497	4.729324	4.229846
ARIH2OS	ENSG00000221883	-0.15539	-0.01754	-0.62668	0.538972	0.600014	-6.23825	1.18244	1.061904	1.028027	0.395333	1.006428	1.123626	0.983587	0.509405	0.735084	1.199504	1.112482	1.333627	1.498836	1.077171	1.284217	1.017342	1.16325	1.115245
ZBED8	ENSG00000221886	0.054118	3.032087	0.495329	0.626538	0.680581	-6.96092	3.337603	3.07157	3.075109	3.325575	2.762786	2.924168	3.258446	3.462004	3.218306	3.312899	3.116952	2.966075	3.259174	3.366191	3.272365	3.501087	3.277464	3.189613
NPTXR	ENSG00000221890	1.781693	1.582526	7.9182	3.47E-07	2.23E-06	6.89214	2.165157	2.125186	2.5366	3.933121	4.061165	4.045196	2.752438	2.753138	3.044176	0.88529	0.848253	1.305813	1.689764	1.819936	1.826726	0.576451	1.2488	1.170016
FAM200A	ENSG00000221909	0.213041	4.13407	2.81124	0.011789	0.020429	-3.94574	4.478633	4.468622	4.255791	4.367681	4.327153	4.506036	4.235306	4.397684	4.112876	3.980092	3.901847	4.012537	4.257146	4.303069	4.411058	3.923315	3.890192	4.087723
PPP2R2A	ENSG00000221914	-0.30268	6.457761	-6.39221	5.86E-06	2.50E-05	3.297321	6.317027	6.403582	6.323711	6.059623	5.981675	5.954316	6.070782	6.273954	6.111723	6.873232	6.81645	6.845941	6.550775	6.623406	6.589794	6.899	6.900835	6.955701
C19orf73	ENSG00000221916	0.546207	-0.01104	2.921471	0.009318	0.016563	-2.96478	0.587539	0.736739	0.598525	0.742604	0.625525	0.461789	0.886508	0.387194	0.39151	1.555182	1.403073	1.46518	2.145912	2.039797	1.775589	1.627702	1.442809	1.416439
ZNF880	ENSG00000221923	0.8153	1.46523	5.08175	8.50E-05	0.000256	1.18736	0.587539	0.499412	0.829201	1.182548	1.373859	1.526279	0.782422	0.253663	0.735084	3.091698	3.232543	3.332842	3.913883	4.011117	3.760608	3.848182	3.449945	3.650813
TRIM16	ENSG00000221926	0.235355	6.848251	1.770569	0.094071	0.130679	-6.31005	6.763093	6.920546	6.84129	6.514103	6.548576	6.538701	7.188262	7.113002	7.026913	6.564237	6.50296	6.567906	7.201022	7.235	7.250029	6.93715	6.866568	6.925179
TIGD1	ENSG00000221944	0.261456	3.48728	2.310584	0.033296	0.051683	-4.90913	2.483604	1.978677	2.446827	3.273122	2.926537	3.247073	2.832807	3.063581	2.846105	4.581075	4.490971	4.437893	4.546627	4.615839	4.527685	4.533992	4.442079	4.311289
XKR9	ENSG00000221947	-0.89185	-1.13047	-2.56355	0.019843	0.03256	-3.54296	0.318509	0.499412	0.598525	0.106501	0.106501	0.106501	0.548589	0.106501	0.256032	1.116489	1.467416	1.49011	1.27873	1.032323	1.355599	1.354562	1.368306	1.322858
LINC01465	ENSG00000221949	-0.3823	-0.2544	-1.04888	0.30852	0.370916	-5.66146	2.165157	1.947501	2.274882	1.578054	1.437317	1.993763	2.058296	1.988058	1.873138	0.190076	0.640699	0.288049	0.234608	0.671977	0.335616	0.393424	0.504542	0.497646
SLC12A8	ENSG00000221955	-0.96539	3.268456	-9.73103	1.78E-08	1.91E-07	9.75037	4.265068	4.236845	4.167214	3.51817	3.394558	3.419122	3.388228	3.633086	3.721038	3.437834	3.447177	3.722908	2.661114	2.451029	2.703134	3.063688	3.149837	3.279535
APOL6	ENSG00000221963	-0.91138	5.787597	-6.61511	3.80E-06	1.73E-05	3.807086	5.825812	5.747832	5.748412	4.103016	3.923901	3.91707	4.950956	5.063901	5.005251	6.990788	6.985272	6.967979	6.421291	6.467899	6.476276	6.647826	6.776711	6.798367
FADS3	ENSG00000221968	0.987254	3.357462	3.531547	0.002474	0.005077	-2.28426	3.551922	3.667203	3.522358	2.688367	3.093416	3.016392	3.178682	3.318907	3.181386	3.024981	2.935512	2.893183	4.618846	4.581228	4.691833	3.581796	3.863317	3.716682
CCNL2	ENSG00000221978	0.475475	6.308429	5.944036	1.43E-05	5.42E-05	2.384473	6.031501	5.824908	5.961952	6.67099	6.654177	6.715565	5.701383	5.682848	5.653661	6.578847	6.631378	6.446585	6.847949	6.744783	6.859837	6.13927	6.333415	6.423277
UBA52	ENSG00000221983	-0.0822	8.536069	-2.84245	0.011031	0.019253	-4.44849	9.012002	9.030318	9.025323	8.910863	8.942684	8.857212	8.829099	8.826745	8.852037	8.256529	8.164001	8.190253	8.148736	8.146801	8.181874	8.119272	8.133814	8.096737
PPT2	ENSG00000221988	0.41212	3.528169	2.85996	0.010627	0.018641	-3.6636	3.465529	3.628412	3.466347	4.424898	4.43213	4.34463	4.045989	3.967564	3.979442	3.512789	3.455132	3.495574	3.442811	3.357127	3.361763	3.123735	3.182818	3.149291
EXOC3-AS1	ENSG00000221990	0.363962	2.380415	4.1864	0.000587	0.001412	-0.83883	1.336422	1.551021	1.744977	1.791994	1.718467	2.029614	1.317361	1.658879	1.674905	3.772076	3.836353	3.914651	4.191564	4.190213	4.114488	3.560228	3.529023	3.189613
ZNF630	ENSG00000221994	1.03979	0.650095	8.374656	1.58E-07	1.15E-06	7.656493	0.318509	0.499412	0.323815	0.635873	0.828511	0.746642	0.983587	0.509405	0.735084	2.263275	2.135404	2.213454	2.968056	3.088026	2.99902	2.866919	2.696248	2.649309
BTBD19	ENSG00000222009	0.527975	2.670143	4.994332	0.000102	0.000302	1.035236	2.548084	2.356396	2.423483	2.91067	2.686486	3.168853	2.446718	2.623806	2.77354	3.102524	3.204502	2.893183	3.532792	3.357127	3.578659	2.692858	2.947209	2.84714
FAM185A	ENSG00000222011	0.638435	2.050165	4.029516	0.000828	0.001916	-0.82567	2.707144	2.636038	2.469799	2.766336	2.926537	3.231764	2.480375	2.357042	2.643847	1.616888	1.777644	1.877881	2.145912	2.50126	2.589286	2.211015	1.737342	2.326628
CYTOR	ENSG00000222041	-0.8137	4.845482	-6.75698	2.90E-06	1.37E-05	4.266398	5.100552	4.843609	4.929803	3.661095	3.656958	3.828257	4.968851	5.078784	5.174497	5.569872	5.368161	5.487683	4.950405	4.814328	4.935528	5.371825	5.209172	5.274758
C10orf55	ENSG00000222047	-0.67695	-0.2472	-2.0071	0.06046	0.088222	-4.8045	0.742531	1.118985	0.964748	0.106501	0.25478	0.2349	0.415731	0.106501	0.106501	2.204194	2.155072	2.34226	2.009285	1.871771	2.276326	2.247458	2.101639	1.739782
H2BP1	ENSG00000223345	0.084041	-1.59707	0.562834	0.580696	0.638641	-6.34805	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.787595	1.616737	1.67541	1.954519	1.560439	1.51998	1.419885	1.645686	1.665483
CLDN10-AS	ENSG00000223392	-1.30161	0.912792	-6.07075	1.11E-05	4.34E-05	3.556769	1.826927	2.09705	2.049454	0.934951	1.437317	1.475193	1.459147	2.220554	2.087859	1.91588	1.644832	1.759838	0.701742	0.938214	1.17005	1.65509	1.707432	1.461048
RPS10P7	ENSG00000223396	-0.77361	0.767404	-2.94494	0.008861	0.015847	-2.92008	1.861169	2.332462	1.818408	1.519216	1.666451	1.669505	0.782422	1.231675	0.925731	1.865926	1.699433	1.439812	1.186687	1.077171	1.002253	1.542275	1.581179	1.504318
NA	ENSG00000223414	0.849797	1.425718	4.337543	0.000422	0.001054	0.114493	7.130777	7.167981	7.128833	8.05376	7.968502	7.999517	8.541892	8.442637	8.495762	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TCAF1P1	ENSG00000223459	-0.75344	1.914682	-4.4597	0.000323	0.000836	0.112193	3.300651	3.209365	3.190238	2.063099	2.333126	2.196611	2.376953	2.255906	2.239236	2.444376	2.320972	1.969371	1.99126	1.766169	2.257813	1.708352	1.795362	1.703111
AL441992.	ENSG00000223478	0.308107	1.88233	2.004038	0.060815	0.088695	-4.88069	1.990546	2.09705	2.018628	2.864145	2.429905	2.346268	2.340763	2.420731	2.748518	2.263275	2.095243	2.038602	1.99126	2.250257	2.257813	2.334732	2.054898	1.877799
NUTM2A-A	ENSG00000223482	-0.27467	4.459611	-3.54166	0.002419	0.004974	-2.39698	5.465799	5.531	5.37527	5.171375	4.955466	5.00189	5.243334	5.150979	5.197793	3.895476	3.805572	3.928397	3.850304	3.846002	3.767168	3.793775	3.644015	3.999746
EXOSC6	ENSG00000223496	-0.85217	5.13396	-10.4123	6.45E-09	8.27E-08	10.50443	5.075249	5.201677	4.98267	4.701197	4.580048	4.586466	4.998191	4.843429	5.082376	5.832982	5.790631	5.895985	4.792829	4.863163	4.807727	5.684156	5.766537	5.715459
VPS52	ENSG00000223501	-0.37	6.286321	-6.06709	1.12E-05	4.37E-05	2.643129	6.42255	6.429199	6.495858	5.830775	5.888253	5.921298	5.719113	5.592401	5.833973	6.759845	6.748484	6.872255	6.588733	6.588979	6.550405	6.459699	6.416643	6.389056
RPL23AP53	ENSG00000223508	-0.36516	1.089068	-1.95698	0.066518	0.09599	-4.75465	2.137484	2.009193	2.166567	1.634586	1.718467	1.526279	2.144798	2.290412	1.777424	1.457372	1.190799	1.696985	1.498836	1.393161	1.320349	1.177011	1.645686	1.461048
AC135983.	ENSG00000223509	-0.58653	1.360907	-2.72725	0.014084	0.023963	-3.34824	2.609804	2.55562	2.492412	2.103714	2.549605	2.581827	2.696258	2.777669	2.309357	1.490718	1.644832	1.49011	0.701742	1.120067	0.910419	1.482378	1.613793	1.461048

LINC00630	ENSG00000223546	-0.1127	1.960769	-0.94501	0.357536	0.422045	-6.34949	2.505419	2.308123	2.621113	2.181668	2.193078	2.098749	2.26554	2.568641	2.309357	2.338465	2.372288	2.07201	2.399306	2.250257	2.276326	2.192442	2.124453	2.374055
ZNF844	ENSG00000223547	0.059509	-0.36834	0.69159	0.498279	0.560894	-6.85338	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.751589	3.890158	3.573456	3.735884	3.710228	3.831176	3.455083	3.307681	3.540816
TMSB4XP4	ENSG00000223551	1.087956	0.908656	4.327855	0.000431	0.001074	0.014173	1.010037	1.327092	1.406977	2.661411	2.03796	2.258349	2.412257	1.710758	1.962896	1.278001	1.300837	0.807652	1.27873	1.495836	1.51998	1.286141	1.16325	1.626848
C1GALT1C:	ENSG00000223658	-0.41296	0.544538	-1.14374	0.268156	0.328122	-5.9962	1.430644	0.940485	0.756332	0.395333	0.106501	0.746642	0.670238	1.231675	1.38134	2.320032	2.155072	2.396013	2.357702	2.549802	2.161508	2.095813	1.766644	1.739782
NSUN5P1	ENSG00000223705	0.263741	3.764969	3.011566	0.007678	0.01394	-3.47633	3.936145	4.051346	4.07284	4.132759	4.061165	4.113606	3.747379	3.659726	3.572114	3.77884	4.040487	3.658388	4.122859	4.15926	4.25179	3.200096	3.494411	3.660409
CCDC18-AS	ENSG00000223745	0.398308	3.13376	2.836004	0.011184	0.019486	-3.73718	3.530804	3.100202	3.322321	3.359513	2.686486	3.086148	2.752438	2.650616	2.616448	3.367773	3.365114	3.380287	4.126992	3.927863	4.062102	3.374993	3.277464	3.444131
MIR503HG	ENSG00000223749	0.368216	0.60046	1.322584	0.20302	0.25628	-5.68426	1.519087	1.374745	1.706811	1.578054	1.307481	1.310092	0.886508	1.231675	1.445026	1.555182	1.498542	1.126631	2.062048	1.871771	1.695314	0.517985	0.975239	1.322858
TSSC2	ENSG00000223756	-0.36286	0.379576	-3.64568	0.001925	0.004071	-2.18525	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	5.238045	5.303538	5.119519	4.912595	4.824228	4.755899	4.477583	4.687803	4.684858
LINC00205	ENSG00000223768	0.15638	2.529514	1.105263	0.284028	0.345084	-6.46195	2.505419	2.513665	2.681399	2.181668	1.864131	1.956998	1.966276	2.481727	2.127218	3.013555	3.250939	3.232997	3.669424	3.568213	3.486261	3.218571	3.116085	3.364179
ENTPD3-A:	ENSG00000223797	0.52594	1.419208	3.537668	0.002441	0.005015	-1.82546	1.384302	1.81559	1.406977	2.143217	1.953662	1.757653	1.525136	1.945386	1.962896	1.98771	1.967585	2.021603	2.300295	2.416542	2.34809	1.784732	1.930959	1.58715
CERS1	ENSG00000223802	0.646635	0.15622	2.102628	0.050273	0.074775	-4.29671	1.519087	1.508929	1.54317	2.688367	2.398361	1.880533	1.917967	1.658879	1.918715	0.781331	0.462741	0.54756	0.562188	0.416769	0.651457	1.017342	0.637375	0.497646
AC244669.	ENSG00000223804	-0.24981	1.176476	-1.55842	0.137056	0.181877	-5.54713	1.286899	1.591918	1.202741	1.326771	1.612488	1.055701	1.317361	1.231675	0.925731	2.18395	2.135404	2.355887	2.044674	1.846087	2.07955	2.524879	2.465551	2.549558
AC073365.	ENSG00000223812	-0.29124	-0.46024	-2.3861	0.028579	0.045042	-4.34922	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	3.113269	3.1855	3.283783	2.949505	2.925848	2.918805	3.324713	3.476789	3.279535
CFL1P1	ENSG00000223820	-0.89127	0.327322	-2.94003	0.008955	0.015993	-2.73578	3.114469	3.027527	2.982302	1.978268	2.03796	1.840725	2.667326	2.801791	2.560038	0.415169	0.524532	0.34382	0.562188	0.484926	0.651457	0.457048	0.358227	0.409347
AC005006.	ENSG00000223831	-0.64769	-1.35931	-3.69759	0.001718	0.003667	-1.38739	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.30136	2.388995	2.088428	1.878105	1.528499	1.390007	1.992244	2.078458	2.302316
OSER1-DT	ENSG00000223891	0.907444	1.613858	6.273591	7.40E-06	3.07E-05	3.857664	1.681202	1.631689	1.406977	2.325974	2.193078	2.22781	1.966276	2.029503	1.727075	2.204194	1.945166	2.004401	2.694919	2.729118	2.795875	1.833493	1.547811	1.973284
AFG3L1P	ENSG00000223959	-0.27755	4.366999	-2.29059	0.034662	0.053586	-5.03081	4.066597	4.383825	4.281987	4.584077	4.400635	4.531264	4.348988	4.040332	4.45204	4.812964	4.771408	4.727183	4.264669	4.095289	4.179864	4.650836	4.641102	4.661156
CHROMR	ENSG00000223960	0.220127	2.203708	1.827517	0.084746	0.119014	-5.26038	2.526909	2.49222	2.049454	2.518519	2.737798	2.581827	2.752438	2.623806	2.471058	2.444376	2.285719	2.314614	2.28558	2.549802	2.604018	2.568742	2.799093	2.374055
EPB41L4A-	ENSG00000224032	-0.36265	5.10156	-1.78669	0.091344	0.12735	-5.94917	6.384797	6.485903	6.446046	5.424805	5.568621	5.599217	6.259498	6.221272	6.224904	4.026306	4.219284	4.167389	4.630539	4.545767	4.6463	4.042177	3.948889	3.945834
LINC02561	ENSG00000224034	-0.37234	-1.9229	-1.62668	0.121699	0.164175	-4.902	2.051128	1.591918	1.78216	1.688986	1.2379	1.422231	2.058296	1.710758	2.005764	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CPTP	ENSG00000224051	0.357394	4.617688	3.716149	0.001649	0.003533	-2.19082	3.86199	4.087546	4.1812	4.569652	4.842803	4.434292	4.13321	4.109604	3.733845	4.877414	4.964909	5.189682	5.27674	5.284851	5.224807	5.336314	5.140881	5.01537
AC007319.	ENSG00000224063	-0.9283	0.079016	-2.30639	0.033579	0.052078	-3.93303	2.505419	2.576149	2.37563	1.393812	1.718467	1.757653	2.26554	2.147141	2.047395	0.7264	0.524532	0.846782	0.562188	0.484926	0.593579	0.393424	0.69947	0.106501
SNHG14	ENSG00000224078	0.06442	6.725278	0.707451	0.488613	0.55167	-7.5597	6.568285	6.627865	6.470455	7.029605	6.893582	7.053705	6.868994	6.877965	6.793019	6.830732	6.817222	6.756945	6.582726	6.546751	6.48625	6.703814	6.677994	6.723671
PPM1F-AS:	ENSG00000224086	-0.07137	0.03119	-0.38031	0.708295	0.755362	-6.38706	1.010037	0.875715	0.598525	0.934951	0.92021	0.746642	0.548589	0.726566	0.735084	1.073118	1.498542	1.49011	1.27873	1.2438	1.247156	1.482378	1.513652	1.416439
AC009506.	ENSG00000224152	1.092594	1.001302	6.233703	8.01E-06	3.28E-05	3.842437	1.235614	1.508929	1.256574	1.978268	1.864131	1.799787	1.317361	1.809233	1.38134	1.457372	1.435603	1.439812	2.314863	2.451029	2.220059	1.482378	1.024588	1.322858
DNAJC27-A	ENSG00000224165	0.230652	0.107288	0.801565	0.433568	0.498169	-6.06332	1.336422	1.591918	1.146821	1.326771	0.730585	1.123626	0.983587	1.367163	1.244857	0.7264	0.986408	0.726056	1.121891	1.16289	1.488568	1.177011	0.871168	0.734116
C5orf66	ENSG00000224186	0.710825	-0.04107	2.074072	0.053142	0.078541	-4.38988	1.12723	0.582935	0.598525	1.182548	1.437317	1.919272	0.670238	1.367163	1.171446	1.158593	0.848253	0.683459	0.701742	1.120667	0.910419	1.058946	1.072305	1.170016
HAGLR	ENSG00000224189	-0.22054	1.685548	-1.47801	0.1572	0.205018	-5.8642	1.475543	1.118985	1.62731	1.256461	1.612488	1.123626	1.816207	1.301009	1.38134	3.165825	3.146729	3.225594	2.717023	3.253475	2.976553	2.554269	2.601856	2.464474
SLC25A5-A	ENSG00000224281	-0.45568	-0.03953	-1.77856	0.092711	0.129129	-4.93568	0.814199	1.327092	1.30847	0.635873	0.389229	0.909432	0.782422	0.726566	0.735084	1.278001	1.112482	1.387696	1.392977	1.357245	0.957066	0.974502	1.329561	1.322858
ADM5	ENSG00000224420	-0.2781	-0.54977	-1.19382	0.248499	0.306811	-5.48577	1.519087	1.374745	1.62731	1.182548	1.2379	1.310092	1.525136	1.549165	1.727075	0.34397	0.462741	0.34382	0.294634	0.345231	0.533283	0.457048	0.637375	0.315289
PRKAR2A-A	ENSG00000224424	-0.0995	0.638116	-0.47738	0.639006	0.691331	-6.43238	1.602421	1.327092	1.499186	1.182548	1.087782	1.250575	0.886508	1.367163	1.244857	1.52331	1.55885	1.49011	1.186687	1.897007	1.923865	1.177011	1.547811	1.222783
ATXN1L	ENSG00000224470	-0.27573	6.408297	-7.15034	1.38E-06	7.25E-06	4.78477	6.241047	6.24755	6.269099	5.969096	5.910785	5.847893	5.98838	6.025209	5.967373	6.992972	6.893849	6.920624	6.786563	6.616776	6.729026	6.785858	6.708513	6.774264
SMIM13	ENSG00000224531	0.061219	5.111083	0.502322	0.621711	0.676376	-7.39475	5.132445	5.340148	5.214556	5.775282	5.589722	5.697212	5.879071	5.988901	6.015365	4.880563	4.602618	4.77868	4.323482	4.321825	4.516048	5.018176	4.864208	4.886383
AC096677.	ENSG00000224536	-0.02157	0.994811	-0.12075	0.905265	0.922098	-6.54195	1.894617	1.978677	1.667608	2.103714	1.953662	1.475193	1.648695	1.549165	1.620777	1.423238	1.265082	1.46518	1.186687	1.495836	1.51998	1.681967	1.613793	1.416439
EIF4BP3	ENSG00000224546	-0.11689	2.092865	-1.1636	0.260226	0.319875	-6.1359	2.949211	2.802095	2.681399	2.633943	2.660129	2.455733	2.607661	2.389238	2.643847	2.243849	2.285719	2.152295	2.28558	2.21055	2.220059	1.970607	2.233409	2.003758
HNRNPA1F	ENSG00000224578	-0.2154	2.100629	-1.59931	0.127671	0.171097	-5.54839	2.90065	2.76681	2.5366	2.999448	2.520598	2.5075	3.072345	2.451551	2.748518	2.392392	2.303453	2.136592	1.99126	1.946191	2.058312	2.013561	2.124453	2.14716
SVIL-AS1	ENSG00000224597	0.435087	3.700483	5.519264	3.40E-05	0.000115	2.027131	3.672523	3.667203	3.65856	4.316764	4.222966	4.271657	4.358069	4.316298	4.16108	3.284659	3.381904	3.38694	3.575762	3.436722	3.707028	3.818209	3.68296	3.744016
RPS27AP1(	ENSG00000224631	-0.23009	1.072413	-0.97879	0.341036	0.405093	-6.03778	1.826927	2.009193	2.37563	2.103714	2.398361	1.956998	2.376953	2.184314	2.047395	1.732907	1.699433	1.061592	0.945898	1.120667	1.17005	1.017342	1.368306	1.170016
SH3BP5-AS	ENSG00000224660	-0.30612	2.034277	-2.26201	0.036704	0.056354	-4.63044	1.861169	1.849715	1.744977	2.103714	1.953662	1.669505	1.867984	1.710758	1.564539	3.091698	3.640966	3.043904	2.88263	2.837366	2.846311	2.524879	2.908298	2.928814
RASAL2-AS	ENSG00000224687	-0.10913	1.141256	-0.49438	0.627197	0.681089	-6.7968	1.336422	1.551021	1.358564	0.742604	0.512209	0.3528	0.782422	1.082132	0.515351	3.165825	2.877496	2.902498	3.24403	3.243672	3.064395	2.334732	2.755911	2.419973
LAMTOR5-	ENSG00000224699	-0.11531	0.778283	-0.65373	0.521794	0.583628	-6.24406	2.165157	2.039077	1.888281	1.978268	1.864131	2.374422	1.762502	2.184314	1.873138	1.028404	1.265082	1.188864	0.945898	0.888753	1.08859	0.884806	0.816175	1.115245
MUC20P1	ENSG00000224769	0.91149	-0.78332	4.628269	0.000224	0.000604	0.494557	0.106501	0.106501	0.219246	0.258133	0.25478	0.106501	0.106501	0.253663	0.106501	2.356666	2.174476	2.136592	2.88263	2.997596	2.976553	1.970607	1.90484	1.665483
AL589843.:	ENSG00000224848	0.001833	-1.5581	0.014977	0.98822	0.990027	-6.51941	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.76051	1.699433	1.718241	1.667235	1.652223	1.639204	1.542275	1.878239	1.739782
MRPL20-A:	ENSG00000224870	0.458272	4.864457	8.318589	1.74E-07	1.24E-06	7.117929	4.284124	4.463121	4.476008	4.99368	5.013874	4.951383	4.393833	4.357565	4.647437	5.120474	5.05665	5.123508	5.531835	5.368419	5.495593	5.132197	5.02441	5.063177
NDUFAF8	ENSG00000224877	-0.02557	5.304023	-0.29456	0.771803	0.810615	-7.59968	5.200891	5.31594	5.137743	5.312338	5.371535	5.207592	4.851577	4.922558	5.131593	5.508112	5.469823	5.524349	5.413307	5.27526	5.568761	5.788317	5.633692	5.518482
AL132656.:	ENSG00000224886	-0.10825	-0.03931	-0.49778	0.624843	0.679051	-6.17613	1.642349	1.420874	1.62731	1.519216	1.307481	1.919272	1.459147	1.301009	1.445026	0.669294	0.799097	0.594297	0.562188	0.484926	0.707101	0.517985	0.759002	0.805046
LINC00863	ENSG00000224914	0.664722	1.484491	4.387274	0.000379	0.000959	0.024844	1.990546	1.978677	2.399755	2.457149	2.737798	2.5075	2.102195	1.945386	1.777424	1.352446	1.699433	1.67541	2.178139	1.970168	2.18129	1.214313	1.766644	1.370407
PSME2P2	ENSG00000225131	-0.11534	-0.03146	-0.63526	0.533487	0.59472	-6.2832	0.882475	0.736739	0.598525	0.52061	0.512209	0.746642	0.415731	0.726566	0.629397	1.704765	1.435603	1.248523	1.365252	1.495836	1.456457	1.599785	1.67689	1.775544
SLC9A3-AS	ENSG00000225138	2.026452	5.283331	6.659869	3.49E-06	1.60E-05	4.124825	4.95357	4.921884	4.848876	7.648841	7.488766	7.535008	6.98638	6.85941	7.090526	3.87668	4.14254	4.231625	4.707079	4.668079	4.698713	3.889124	3.713375	3.840032
GOLGA2P7	ENSG00000225151	0.5046	1.32301	3.742409	0.001556	0.003353	-1.44644	0.947665	1.508929	1.256574	1.634586	1.437317	1.526279	1.160105	0.915275	1.50602	2.14259	2.193623	2.136592	2.51737	2.596763	2.574402	2.509956	2.618024	2.570068
AL590617.:	ENSG00000225177	1.084427	0.387078	3.555017	0.002349	0.004849	-1.50138	1.430644	1.883052	1.406977	2.91067	2.686486	2.481849	2.696258	2.568641	2.82232	0.54782	0.583785	0.54756	0.562188	0.416769	0.862212	0.457048	0.637375	0.659518
RPSAP58	ENSG00000225178	-0.22761	1.207667	-1.19046	0.249784	0.308264	-5.80082	2.589523	2.576149	2.514675	2.714828	2.490996	2.402038	2.779728	2.511284	3.064594	1.616888	1.07167	1.061592	0.982856	0.837535	0.910419	1.017342	1.024588	1.115245
PLEKHM1	ENSG00000225190	0.595516	4.902676	8.601972	1.08E-07	8.41E-07	7.586307	3.86199	3.952741	4.195052	4.448742	4.648682	4.604407	4.512454	4.256466	4.388669	5.411303	5.417853	5.378429	6.006965	5.914003	6.018381	5.332078	5.346497	5.539435
DUXAP9	ENSG00000225210	0.184423	2.79732	1.80944	0.087615	0.122607	-5.45256	3.114469	3.196163	3.075109	2.999448	2.835252	3.168853	2.981245	3.102941	2.959482	2.736149	2.714733	2.845681	3.039964	3.233802	3.126936	2.913023	2.813204	3.121769
ZNRF2P2	ENSG00000225264	-0.18576	0.317376	-1.01675	0.32314	0.386406	-5.88706	1.336422	1.631689	1.62731	1.182548	1.087782	1.575618	1.70672	1.301009	1.445026	0.88529	1.029669	1.126631	1.054048	1.120667	0.910419	0.930351	0.975239	0.872651
TAF1A-AS1	ENSG00000225265	-0.17997	1.484544	-0.90845	0.375999	0.440624	-6.23208	2.780548	2.258179	2.681399	2.325974	2.078331	1.880533	1.917967	2.029503	2.471058	1.388276	1.875739	1.60868	1.755315	1.681564	1.970087	1.354562	1.581179	1.626848
NA	ENSG00000225302	-0.0383	1.607981	-0.35664	0.725628	0.770243	-6.70362	2.392887	2.356396	2.37563	2.143217	2.398361	2.22781	1.762502	1.430416	1.620777	2.100009	2.053933	2.16783	2.129525	2.127698	2.18129	1.627702	1.878239	1.739782
AC016027.	ENSG00000225335	-1.13604	-0.47755	-3.43497	0.003057	0.006123	-1.92599	1.010037	0.940485	0.756332	0.106501	0.106501	0.461789	0.106501	0.253663	0.256032	2.01088	1.989662	2.198406	1.818016	1.320413	1.667532	1.759719	1.513652	1.546329
AL354740.:	ENSG00000225339	-0.57238	0.163345	-3.90682	0.001084	0.00243	-0.93888	0.41387	0.582935	0.829201	0.52061	0.389229	0.3528	0.670238	0.622068	0.629397	2.243849	1.945166	2.104662	1.597456	1.819936	1.667532	2.055273	2.169028	2.350536
PPP1R26-A	ENSG00000225361	0.314909	1.680125	1.258581	0.224734	0.280509	-5.97447	1.927307	1.915637	1.888281	1.519216	1.373859	1.714252	2.637802	1.901414	2.530983	2.320032	2.095243	1.896649	2.738794	2.612083	2.716753	1.926335	2.006592	2.091498
NRSN2-AS:	ENSG00000225377	0.652587	1.551785	2.678783	0.015597	0.026237	-3.51862	2.609804	2.308123	2.700947	2.393052	2.549605	2.581827	2.752438	2.069791	2.530983	1.073118	1.029669	1.248523	2.112949	1.946191	2.276326	1.571317	1.478665	1.416439
SFTA1P	ENSG00000225383	-1.35892	-0.78514	-5.93303	1.46E-05	5.51E-05	3.21257	0.216396	0.106501	0.219246	0.106501	0.25478	0.106501	0.106501	0.106501	0.256032	3.265521	2.792142	3.141546	2.044674	1.681564	1.695314	2.075685	2.315011	2.091498
BOLA3-AS1	ENSG00000225439	0.650594	0.297447	2.684539	0.01541	0.025952	-3.22958	2.080492	1.915637	2.399755	2.633943	2.811499	2.675323	2.446718	2.596487	2.376228	0.415169	0.259702	0.594297	0.610222	0.345231	0.593579	0.63264	0.504542	0.497646
RFPL1S	ENSG00000225465	0.401424	-1.61078	1.877231	0.077281	0.109709	-4.55495	1.791852	2.009193	1.818408	2.143217	2.429905	2.196611	2.752438	2.147141	2.34318	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
JPX	ENSG00000225470	-0.23317	4.39432	-3.86858	0.001179	0.002611	-1.76005	4.538049	4.691972	4.600923	4.456603	4.558804	4.427589	4.205428	4.413424	4.549426	4.660143	4.679329	4.515833	4.249584	4.358622	4.385705	4.386563	4.2788	4.394143
NUTM2B-A	ENSG00000225484	-0.11345	4.074267	-1.22183	0.237994	0.29512	-6.51909	4.981078	5.059469	4.942176	4.727426	4.614773	4.788301	4.695544	4.911516	4.99996	3.42926	3.463043	3.476988	3.436163	3.659519	3.679472	3.236813	3.431768	3.55117
GBP1P1	ENSG00000225492	0.10084	-1.5139	0.477641	0.638825	0.691186	-6.37964	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.52331	1.725977	1.514616	1.446877	1.320413	1.749324	1.734264	2.030948	1.775544
LINC01703	ENSG00000225518	-0.88697	0.177667	-2.89037	0.009959	0.01759	-2.8903	2.320899	1.849715	2.138168	0.934951	1.718467	1.250575	0.983587	1.491012	1.01237	0.834246	0.89579	1.094478	0.656707	0.550009	1.129895	1.058946	0.816175	0.580851
LINC01393	ENSG00000225535	-0.54394	-1.16539	-1.59017	0.129721	0.173468	-5.22459	0.41387	0.106501	0.219246	0.106501	0.106501	0.106501	0.415731	0.106501	0.515351	1.676063	1.529011	1.718241	1.498836	1.282615	1.51998	1.320757	1.707432	1.461048
NA	ENSG00000225541	-0.35923	-0.65908	-0.91784	0.371193	0.435854	-5.75683	1.927307	2.283367	2.049454	1.688986	1.718467	1.757653	2.412257	2.451551	2.869505	0.269074	0.259702	0.288049	0.171976	0.345231	0.335616	0.183756	0.19538	0.106501
ZNF469	ENSG00000225614	0.041004	3.302628	0.136646	0.892872	0.912214	-7.02247	4.553837	4.653851	4.892035	3.933121	4.081169	4.264152	4.552561	4.421231	4.613192	1.840286	2.320972	2.152295	3.339736	3.310934	3.19663	2.300453	2.392244	2.06284
MTND2P28	ENSG00000225630	0.680582	0.911687	3.325653	0.003883	0.007588	-2.15092	1.642349	1.277811	1.358564	1.457877	2.229385	1.840725	1.70672	1.082132	1.564539	1.116489	1.498542	1.360915	1.597456	1.993753	1.826726	1.627702	1.67689	1.222783
SBDSP1	ENSG00000225648	-0.30375	4.545528	-3.67907	0.001789	0.003811	-2.11804	5.086148	5.181722	5.180147	5.112883	4.960875	4.983728	5.490461	5.327507	5.265504	4.125171	4.152359	4.355501	3.918659	3.710228	3.578659	4.285035	4.189664	4.150354
MCRIP1	ENSG00000225663	0.123569	5.848661	1.226263	0.236365	0.293355	-6.97408	5.663084	5.520446	5.666267	6.097824	6.319354	6.068583	5.539183	5.423907	5.59521	6.135353	6.09553	6.2761	6.017022	6.016865	5.903984	5.845901	5.854454	5.706224
SLC26A6	ENSG00000225697	-0.94953	4.917888	-10.7747	3.83E-09	5.51E-08	11.04688	4.803168	4.715296	4.739702	4.082842	4.204846	3.868406	4.358069	4.175703	4.270596	5.943981	5.995435	5.854589	5.003078	4.847068	4.96721	5.85035	5.818179	6.006286
FGD5-AS1	ENSG00000225733	0.76628	6.628217	8.868467	6.97E-08	5.88E-07	7.880748	5.825812	5.946183	5.972044	6.891445	6.931266	6.928742	7.022527	7.038831	6.991359	6.362863	6.384029	6.293907	6.90743	6.911938	6.872821	6.783533	6.779408	6.745249
NA	ENSG00000225745	-0.66249	-0.35601	-2.16651	0.044361	0.066733	-4.16966	4.051848	4.14364	4.208773	3.456785	3.295295	3.560621	5.65424	5.495903	5.713073	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC00431	ENSG00000225760	-0.70741	-0.79524	-5.00402	0.0001	0.000297	1.268105	0.106501	0.316291	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.790717	2.804649	2.776437	2.314863	2.148862	2.220059	2.706012	2.535313	2.419973
P3H2-AS1	ENSG00000225764	0.533825	-1.25594	1.838351	0.083067	0.11691	-4.62724	2.051128	1.744817	2.274882	2.393052	2.366112	2.5075	2.576877	2.451551	2.530983	0.106501	0.106501	0.16959	0.171976	0.190544	0.106501	0.106501	0.106501	0.106501
TRAM2-AS	ENSG00000225791	0.163273	1.926171	1.075659	0.296705	0.358295	-6.21838	2.109269	2.356396	2.446827	2.325974	1.864131	2.164723	2.303642	2.220554	2.309357	1.964162	2.074736	2.25768	2.145912	2.714997	2.528806	2.554269	2.37332	2.277588
FAM229A	ENSG00000225828	0.297373	1.124522	1.427189	0.171147	0.220582	-5.56452	2.483604	2.470453	2.166567	1.978268	2.264801	2.481849	1.648695	2.220554	2.047395	1.158593	1.07167	1.248523	1.858352	1.622273	1.610309	0.974502	0.924142	1.058313
ERCC6	ENSG00000225830	-0.28653	4.077709	-1.90656	0.073155	0.104508	-5.59452	4.95357	4.937835	4.892035	3.999198	4.13	4.178918	4.552561	4.562048	4.313883	3.914031	3.842432	3.754117	4.118714	3.981932	4.098971	3.538334	3.587665	3.660409
RUSC1-AS1	ENSG00000225855	1.520193	-0.05236	5.932374	1.46E-05	5.52E-05	3.301653	0.587539	0.661886	0.598525	1.326771	1.498102	1.575618	1.160105	1.430416	1.171446	0.781331	1.029669	0.499259	1.365252	1.077171	1.550722	0.686723	0.871168	0.999041
WDR87BP	ENSG00000225868	0.888692	-1.23313	7.847757	3.93E-07	2.47E-06	6.775349	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.865926	1.699433	1.896649	2.566893	2.612083	2.559363	2.135245	2.006592	2.277588
NOL7	ENSG00000225921	-0.03234	6.157893	-0.64743	0.525765	0.587193	-7.54678	6.070438	6.07798	6.097189	5.821673	5.957528	5.837817	6.127646	6.043026	6.033605	6.248114	6.2759	6.320212	6.312078	6.401119	6.432583	6.398222	6.410854	6.352524
NTF4	ENSG00000225950	0.756325	-1.16577	2.193364	0.042071	0.063686	-4.28562	0.216396	0.316291	0.323815	0.106501	0.106501	0.106501	0.106501	0.253663	0.256032	1.073118	0.986408	1.277453	2.129525	2.039797	2.10048	1.571317	1.406038	1.461048
ABHD11-A:	ENSG00000225969	1.52098	1.218094	9.520341	2.47E-08	2.47E-07	9.453116	0.882475	0.661886	1.202741	0.742604	1.087782	0.984419	0.782422	0.509405	0.629397	2.708071	2.516115	2.460504	4.163669	4.073319	4.056758	2.731965	2.770449	2.442395
PIGBOS1	ENSG00000225973	-0.07295	2.659899	-0.70615	0.489402	0.552386	-6.66856	3.454357	3.286138	3.408073	3.376187	3.531716	3.584921	3.277716	3.415864	3.254305	2.589954	2.687979	2.546206	2.24051	2.344993	2.433049	2.334732	2.101639	2.252429
PHF2P2	ENSG00000226057	-0.70218	-1.04076	-3.2672	0.004411	0.008497	-2.38258	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	2.763691	2.674414	2.422156	1.858352	1.766169	1.876113	2.583072	2.315011	2.863849
LINC00623	ENSG00000226067	0.375494	1.763878	3.284846	0.004245	0.008212	-2.4621	1.475543	1.173893	1.585853	2.021307	1.817192	1.956998	1.816207	1.85606	1.674905	2.282443	2.437987	2.510098	2.591031	2.596763	2.604018	2.957699	2.908298	2.928814
FTCDNL1	ENSG00000226124	-0.10839	1.500559	-0.47845	0.638259	0.690732	-6.53375	3.041689	2.748839	2.776595	2.633943	1.953662	2.288255	1.966276	2.147141	1.962896	1.646779	1.300837	1.387696	1.973006	1.681564	1.801384	1.354562	1.368306	1.665483
BAIAP2-DT	ENSG00000226137	0.540144	3.822488	4.940959	0.000115	0.000334	0.532405	2.526909	2.748839	2.621113	3.647423	3.709312	3.405543	2.058296	2.184314	2.471058	4.886838	4.953722	4.943432	5.414998	5.338797	5.278599	5.069967	5.080907	5.102428
AC010536.	ENSG00000226180	-0.36379	0.761193	-2.01377	0.059693	0.087209	-4.64402	1.642349	1.631689	1.78216	1.326771	1.2379	1.123626	1.459147	1.658879	1.445026	1.891119	1.403073	1.305813	1.597456	1.2438	1.488568	1.320757	1.2488	1.416439
SGMS1-AS	ENSG00000226200	1.530364	1.759705	6.923565	2.11E-06	1.04E-05	5.125741	2.137484	2.09705	2.166567	2.688367	2.811499	2.904994	2.144798	2.676938	2.616448	1.199504	1.369793	0.993481	2.760241	2.913535	2.604018	1.708352	1.851139	1.775544
WASH8P	ENSG00000226210	-0.26328	3.311624	-2.37687	0.02912	0.045819	-4.57286	3.613482	3.786518	3.914407	3.020814	3.34578	3.306732	3.733489	3.659726	3.733845	3.496465	3.423044	3.240362	3.416036	3.310934	3.326666	3.143207	3.337278	3.410407
GTF2H2B	ENSG00000226259	-0.40997	2.184176	-2.09185	0.051339	0.0762	-4.92771	2.483604	2.09705	2.446827	0.742604	1.718467	2.064596	2.102195	2.220554	2.047395	3.165825	3.175905	3.117748	2.921223	3.065945	3.137101	2.843302	3.009816	3.135595
TMEM191/	ENSG00000226287	0.870039	1.145448	4.74267	0.000175	0.000486	0.828074	1.719036	1.591918	1.921989	2.143217	2.155834	1.757653	1.459147	1.549165	1.777424	1.073118	1.152172	1.387696	2.162115	1.993753	1.947161	1.759719	1.67689	1.665483
ZNF192P1	ENSG00000226314	0.69426	0.888854	4.304708	0.000453	0.001123	-0.20384	0.947665	0.875715	0.421314	0.742604	0.828511	0.909432	0.983587	1.231675	1.01237	2.163418	2.212518	2.152295	2.749557	2.811056	2.870883	2.317694	2.295039	2.350536
NUP50-DT	ENSG00000226328	0.664893	2.156043	3.972049	0.000939	0.002144	-1.03395	2.392887	2.039077	1.667608	3.255206	2.904251	2.980206	2.144798	2.255906	1.962896	2.461296	2.500824	2.34226	2.770846	2.642244	2.633039	2.639009	2.518186	2.326628
AL354836.:	ENSG00000226332	-0.33459	1.652413	-2.27365	0.035859	0.055173	-4.32957	2.548084	2.596389	2.600444	1.840866	2.155834	2.288255	2.340763	2.069791	2.616448	1.891119	1.922393	1.67541	1.689764	1.793303	1.826726	1.85727	1.645686	2.003758
AC016831.	ENSG00000226380	-0.59204	0.465668	-2.13319	0.04736	0.070774	-4.39368	1.602421	1.591918	1.088647	1.022291	1.164793	1.526279	1.588238	0.726566	0.925731	1.616888	1.403073	1.333627	1.121891	0.784432	1.129895	1.387593	1.67689	1.665483
SLC16A1-A	ENSG00000226419	-0.5944	-1.12237	-2.66792	0.015957	0.026764	-3.20678	3.011517	3.027527	3.270929	2.840308	2.264801	2.629332	2.884002	2.801791	2.748518	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC02542	ENSG00000226453	0.358241	1.450899	1.75425	0.096903	0.134103	-5.11175	2.461454	2.534795	2.5366	2.933382	2.490996	2.784269	3.137083	2.728183	2.748518	1.116489	1.435603	1.188864	1.733794	1.495836	1.355599	0.974502	0.924142	1.322858
AL390198.:	ENSG00000226465	1.075339	0.143837	3.888147	0.00113	0.002516	-1.04702	0.742531	0.661886	0.106501	0.635873	0.389229	0.657796	0.670238	0.509405	0.39151	1.940223	1.989662	1.915176	2.694919	2.888589	2.930541	1.759719	2.054898	1.504318
LINC01748	ENSG00000226476	0.185426	-1.27549	1.608932	0.125544	0.16859	-5.38257	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.891119	2.032826	2.055402	1.973006	2.127698	2.23906	2.013561	2.233409	2.397196
TMEM185I	ENSG00000226479	0.06565	6.099236	1.470133	0.159298	0.207488	-6.67834	5.881091	5.869251	5.819438	6.007062	5.992279	5.97285	6.111626	6.245657	5.931692	6.180754	6.130724	6.27789	6.191945	6.220499	6.225486	6.397209	6.362494	6.359905
LINC01035	ENSG00000226486	1.23778	-1.56291	4.757697	0.00017	0.000472	1.006142	1.602421	1.631689	1.406977	2.840308	2.787348	2.629332	2.576877	2.481727	2.560038	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC01535	ENSG00000226686	-0.34502	0.931075	-1.71706	0.103636	0.142301	-5.52396	0.882475	0.736739	0.598525	0.106501	0.25478	0.461789	0.886508	0.824004	0.629397	3.471629	3.356645	3.495574	3.40246	3.310934	3.263113	3.171932	3.267249	3.162857
ENTPD1-A:	ENSG00000226688	-0.39279	3.029108	-3.64535	0.001927	0.004073	-1.80982	4.12413	3.704977	3.906009	3.619685	3.47236	3.744443	4.045989	3.967564	4.00079	2.83033	2.604605	2.766268	2.566893	2.169719	2.200805	2.807136	2.799093	2.668457
HSBP1L1	ENSG00000226742	-0.30501	4.238323	-4.08597	0.000732	0.001716	-1.2046	4.516725	4.490417	4.542529	4.171485	4.1009	4.096805	4.83866	4.728586	4.770621	4.318634	4.127684	4.264509	4.006532	3.993677	4.067427	4.161567	4.318914	4.18401
CUTALP	ENSG00000226752	0.483478	4.3084	6.384705	5.95E-06	2.53E-05	3.596048	3.836399	3.920993	3.871922	4.640378	4.544465	4.67402	4.068294	4.128801	4.042563	4.460029	4.57368	4.331562	4.679202	4.774033	4.794943	4.481413	4.637141	4.444998
SRRM5	ENSG00000226763	-0.71305	0.683899	-3.03121	0.00736	0.013443	-2.68769	1.642349	1.465573	1.818408	1.022291	0.625525	1.123626	1.966276	1.658879	1.918715	1.352446	1.616737	1.413989	1.121891	1.282615	1.488568	1.482378	1.329561	1.370407
AC006001.	ENSG00000226824	0.216347	0.840475	0.723074	0.4792	0.542633	-6.30529	1.430644	1.277811	1.256574	2.359902	2.299368	2.132113	1.074544	0.915275	1.38134	1.787595	1.725977	1.562415	1.446877	1.282615	1.129895	1.286141	1.581179	1.546329
AC010894.	ENSG00000226853	-0.19224	-0.03473	-0.63585	0.533115	0.594563	-6.13151	1.894617	1.631689	1.30847	1.634586	0.828511	1.055701	1.317361	1.430416	1.314712	0.834246	0.583785	0.807652	0.745413	1.077171	1.046067	0.63264	0.572487	0.497646
ERVMER34	ENSG00000226887	-0.51366	2.647579	-3.8896	0.001126	0.00251	-1.37975	1.826927	1.849715	2.049454	2.063099	2.460774	1.956998	2.376953	2.702788	2.34318	3.818776	3.605665	3.707046	3.181815	2.950162	2.95373	4.21775	4.088867	4.143528
DANCR	ENSG00000226950	0.244359	4.845047	1.825617	0.085044	0.119385	-5.90016	4.825019	4.673038	4.720675	5.404628	5.3917	5.230878	5.55111	5.38452	5.463015	4.766072	4.634494	4.801266	4.592186	4.729072	4.554478	4.458278	4.455636	4.525965
NCKAP5-A:	ENSG00000226953	-0.8881	-1.28874	-3.45222	0.002944	0.005923	-1.65132	3.223781	3.182839	2.94999	2.103714	1.996426	2.5075	2.513265	2.916694	2.959482	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC00511	ENSG00000227036	-0.0459	4.706685	-0.35316	0.728191	0.772312	-7.63231	3.603403	3.57841	3.576275	2.325974	2.117603	2.029614	2.576877	2.728183	2.471058	6.855742	6.847003	6.946749	7.019505	7.038521	7.060093	6.839067	6.852118	6.690101
GTF2IP7	ENSG00000227038	-2.10351	1.598284	-7.86085	3.84E-07	2.42E-06	6.790921	2.917019	2.513665	2.720234	1.182548	1.2379	0.657796	1.525136	1.15884	1.314712	3.002038	3.241771	2.930089	1.336984	1.738515	1.639204	3.083983	3.009816	2.863849
ITGB2-AS1	ENSG00000227039	-0.81605	-0.64992	-3.9424	0.001003	0.00227	-0.82975	0.318509	0.410755	0.219246	0.106501	0.512209	0.2349	0.269385	0.253663	0.256032	2.14259	2.193623	1.969371	1.420179	1.462417	1.488568	1.65509	1.613793	1.775544
WDR46	ENSG00000227057	0.058252	6.457036	1.16457	0.259843	0.31946	-7.13343	5.881091	5.893992	5.943608	5.7563	6.03393	5.727543	5.67619	5.575011	5.657027	7.118274	7.069303	7.191054	7.28619	7.227559	7.272681	7.060054	7.134424	7.060886
RPL41P1	ENSG00000227063	0.023462	3.80797	0.291036	0.774449	0.812678	-7.27444	3.895419	3.628412	3.854572	3.753334	3.560502	3.59692	4.000319	3.786013	3.832397	4.146251	4.061483	3.848714	4.17569	4.084346	4.109334	3.917673	4.041704	4.115895
Z98257.1	ENSG00000227066	-0.20004	-1.67947	-1.33984	0.197457	0.250101	-5.58836	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.865926	1.467416	1.60868	1.498836	1.393161	1.284217	1.627702	1.478665	1.665483
AC005912.	ENSG00000227081	0.168262	2.03205	0.807311	0.430338	0.495297	-6.4551	2.483604	2.232543	2.739267	3.103249	3.033076	2.845893	3.027514	2.540248	2.408535	2.510897	2.42184	1.915176	2.096181	1.921808	2.036756	1.903678	1.442809	2.119598
RPS28P7	ENSG00000227097	-0.18762	0.356701	-0.68087	0.504875	0.566997	-6.17138	1.430644	1.465573	1.453818	1.519216	1.373859	1.475193	1.816207	1.082132	1.873138	1.646779	0.748206	1.126631	0.745413	1.077171	1.002253	0.837776	1.072305	0.734116
ZNF717	ENSG00000227124	0.614203	2.707531	3.743918	0.001551	0.003343	-1.62719	2.867343	2.836538	2.848472	2.840308	2.970101	2.629332	3.219115	2.981485	2.798137	2.510897	2.817048	2.328504	3.436163	3.453829	3.404467	3.083983	2.784842	2.830235
WASH7P	ENSG00000227232	-0.50087	1.297081	-2.35262	0.030588	0.047838	-4.13314	2.165157	2.125186	1.888281	1.256461	1.373859	1.623325	2.545421	2.029503	2.047395	2.163418	1.777644	1.820066	1.858352	1.622273	1.826726	1.599785	1.547811	1.461048
SPANXB1	ENSG00000227234	-2.08388	0.120746	-8.58559	1.11E-07	8.59E-07	7.951154	0.216396	0.106501	0.219246	0.106501	0.389229	0.2349	0.415731	0.253663	0.106501	4.541844	4.292151	4.527922	2.162115	2.433888	2.574402	3.478269	3.511821	3.55117
AC012063.	ENSG00000227252	0.384178	-0.07181	1.948077	0.067649	0.097503	-4.80243	0.587539	0.316291	0.323815	0.258133	0.730585	0.909432	0.415731	0.509405	0.515351	1.891119	1.8028	1.696985	1.858352	2.10622	2.036756	1.681967	1.707432	1.626848
KLLN	ENSG00000227268	0.046576	0.78919	0.167344	0.869021	0.892262	-6.36539	2.884092	2.784561	2.720234	2.740812	2.835252	2.94309	2.981245	3.3682	3.084728	0.483018	0.986408	0.499259	0.5125	0.550009	0.812339	0.326864	0.504542	0.872651
KRT16P2	ENSG00000227300	-1.51292	-0.17256	-11.0738	2.51E-09	3.88E-08	11.70254	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.513734	4.427694	4.358889	2.892375	2.811056	3.042931	4.63373	4.710599	4.82371
PARG	ENSG00000227345	-0.13146	5.345182	-2.8899	0.009969	0.017602	-4.01801	5.689529	5.809819	5.683566	5.664257	5.613956	5.705548	5.519082	5.676339	5.657027	5.302841	5.203192	5.206703	4.996315	5.10974	5.044848	4.994249	4.996855	5.007873
RBM26-AS	ENSG00000227354	-1.29844	0.499595	-6.52196	4.55E-06	2.01E-05	4.408045	1.602421	1.744817	2.079636	0.635873	0.625525	0.984419	0.886508	0.726566	0.925731	1.76051	1.945166	2.088428	1.308151	1.320413	1.284217	1.214313	1.547811	1.546329
TP73-AS1	ENSG00000227372	-0.03039	4.310527	-0.43442	0.6693	0.718971	-7.33244	4.478633	4.527784	4.215584	4.082842	4.258538	4.330328	4.302704	4.428995	4.41276	4.438829	4.45968	4.362268	4.480326	4.407733	4.558265	4.442647	4.258317	4.467038
KIF9-AS1	ENSG00000227398	0.435078	-0.0645	1.65919	0.114913	0.155684	-5.08172	0.41387	0.736739	0.421314	1.104644	1.006428	1.055701	0.782422	1.082132	1.171446	1.158593	1.335727	1.126631	1.121891	1.120667	1.08859	1.099384	1.547811	1.170016

LINC01806	ENSG00000227403	0.021144	2.838134	0.337931	0.73944	0.782048	-7.22971	1.990546	2.232543	2.274882	2.21912	1.768674	1.956998	1.917967	1.901414	1.918715	4.172174	4.190981	4.260892	4.238165	4.264807	4.333621	4.01601	3.992947	4.029672
AKR1B15	ENSG00000227471	-0.07948	1.163738	-0.34248	0.73607	0.779005	-6.59592	1.286899	1.173893	0.964748	1.74141	1.437317	1.714252	1.525136	1.15884	1.564539	1.940223	2.053933	1.933468	1.711947	1.652223	1.51998	2.807136	2.755911	2.528753
SCAMP4	ENSG00000227500	0.315328	6.392565	4.361731	0.0004	0.001006	-0.99879	6.320107	6.260292	6.365652	6.70933	6.728993	6.65373	6.684577	6.425243	6.582599	6.313634	6.157786	6.370587	6.620596	6.408816	6.548502	6.102439	6.110153	6.024978
SLC2A1-AS	ENSG00000227533	0.480735	0.017044	1.889899	0.075474	0.107401	-4.65349	1.12723	1.277811	1.146821	1.634586	1.612488	1.475193	1.317361	1.658879	1.674905	0.415169	0.848253	0.726056	0.869014	0.938214	0.470356	0.686723	0.924142	0.93723
DNAJC9-AS	ENSG00000227540	0.005236	-0.03126	0.018707	0.985287	0.98786	-6.49975	0.587539	0.8079	0.964748	1.182548	0.389229	0.461789	0.983587	0.253663	0.925731	1.555182	1.529011	1.46518	1.667235	1.591687	1.639204	1.058946	1.289746	1.370407
AP001324.	ENSG00000227615	-0.12378	2.983272	-1.27457	0.219146	0.274447	-6.17876	3.738482	3.61855	3.736403	3.77864	3.722109	3.535905	3.676552	3.736817	3.879258	2.881509	2.753956	2.627101	2.385571	2.756951	2.497588	2.494877	2.711397	2.629903
AL391056.	ENSG00000227619	2.468114	1.03446	9.499401	2.55E-08	2.54E-07	9.256992	1.826927	1.670392	1.453818	3.863871	4.051057	4.138446	2.806512	2.451551	3.064594	0.54782	0.462741	0.846782	1.308151	1.393161	1.08859	0.686723	0.816175	0.734116
SOX21-AS1	ENSG00000227640	-0.7682	0.802607	-3.11597	0.006128	0.011413	-2.6554	1.561356	1.173893	1.62731	1.104644	1.612488	1.526279	0.670238	1.001115	0.629397	2.282443	2.212518	2.104662	1.248697	1.793303	1.320349	1.903678	1.707432	1.973284
ZNF731P	ENSG00000227671	-0.35352	3.584623	-3.54182	0.002418	0.004973	-2.25718	4.252223	4.12982	4.095173	3.863871	3.796595	3.878271	3.719464	3.913244	3.681923	3.798946	3.986619	3.464463	3.5452	3.088026	3.509921	3.26375	3.37582	3.364179
PKD1P2	ENSG00000227827	-0.00908	1.704158	-0.0839	0.934091	0.945979	-7.16218	0.882475	0.875715	0.898566	0.934951	1.006428	0.563119	0.886508	0.622068	1.171446	3.702624	3.947677	3.91004	3.942308	3.806595	3.831176	4.127753	3.890192	3.601852
AC007383.	ENSG00000227946	0.285945	-0.17757	1.266045	0.222112	0.277626	-5.63692	0.587539	0.661886	0.421314	0.635873	1.087782	0.830331	0.548589	0.622068	1.171446	1.388276	1.335727	1.277453	1.218025	1.393161	1.390007	1.099384	0.975239	1.058313
LINC01341	ENSG00000227953	1.126073	0.830824	4.010852	0.000863	0.00199	-0.58551	2.609804	2.655462	2.739267	3.815786	3.426184	3.926609	3.539581	3.302095	3.437684	0.669294	0.524532	0.34382	0.701742	0.671977	0.760679	0.257084	0.358227	0.497646
LINC01515	ENSG00000228065	-0.38178	1.282597	-1.77466	0.093372	0.129911	-5.05928	2.833249	2.693541	2.469799	1.888135	2.155834	1.880533	2.226405	2.255906	2.309357	1.352446	1.300837	1.061592	1.420179	1.462417	1.247156	1.214313	1.613793	1.665483
NA	ENSG00000228106	0.078703	2.447861	0.476872	0.639361	0.691662	-6.71047	3.520128	3.61855	3.618004	3.392671	3.878897	3.584921	3.632324	3.619579	3.60036	2.14259	1.989662	2.055402	2.009285	2.288901	2.220059	1.387593	1.707432	1.370407
AL031283.	ENSG00000228140	0.242223	-0.36651	0.794384	0.437626	0.502175	-5.92804	3.056542	3.142112	3.029452	3.325575	3.278066	3.572823	3.66196	3.521314	3.879258	0.190076	0.106501	0.16959	0.106501	0.190544	0.106501	0.183756	0.19538	0.214669
GEMIN8P4	ENSG00000228175	0.235368	0.077444	0.878329	0.39168	0.456634	-6.0267	0.503316	0.736739	1.146821	1.393812	1.164793	1.250575	0.983587	1.001115	0.925731	1.52331	1.029669	1.188864	1.121891	0.986036	1.046067	1.320757	0.924142	1.273688
AL512353.	ENSG00000228192	-1.12002	-0.00518	-6.77988	2.78E-06	1.31E-05	4.882984	1.430644	1.173893	1.146821	0.52061	0.625525	0.563119	0.983587	0.622068	0.735084	1.646779	1.55885	1.514616	0.982856	1.120667	1.08859	1.058946	1.024588	1.322858
GRASLND	ENSG00000228203	-0.85712	0.196868	-3.60402	0.00211	0.004411	-1.44377	1.642349	1.631689	1.62731	1.519216	1.437317	0.746642	1.160105	1.15884	1.01237	1.352446	1.07167	1.094478	0.701742	0.938214	0.593579	1.099384	1.118494	0.93723
HCG11	ENSG00000228223	-0.33741	2.411597	-4.03164	0.000824	0.001909	-1.11986	1.894617	1.744817	1.667608	1.578054	1.864131	1.526279	1.70672	2.147141	1.727075	3.857636	3.986619	3.809637	3.469097	3.552417	3.600863	3.6717	3.835933	3.581792
MT-ATP8	ENSG00000228253	0.494976	4.537677	4.717658	0.000185	0.000509	0.116605	4.654895	4.424018	4.388298	5.009799	5.226392	4.983728	5.198536	4.933517	5.243285	4.355303	3.953305	4.09204	4.272153	4.686287	4.550681	4.267397	4.386537	4.229846
NA	ENSG00000228265	0.948824	1.806475	8.198364	2.14E-07	1.48E-06	7.359176	1.791852	1.978677	2.138168	2.577385	2.549605	2.697781	2.102195	2.147141	2.005764	2.078238	1.672391	2.021603	2.706013	2.729118	2.76998	1.926335	1.851139	1.739782
PCAT6	ENSG00000228288	0.793963	0.873053	4.08109	0.000739	0.001732	-0.54558	1.235614	1.226787	1.256574	1.393812	1.996426	1.575618	1.588238	1.710758	1.620777	1.315703	1.112482	1.631268	1.954519	2.06228	1.775589	1.354562	1.645686	1.170016
FAM174C	ENSG00000228300	-0.1054	5.232747	-1.75299	0.097125	0.134384	-6.09514	5.557407	5.577561	5.750758	5.529135	5.568621	5.464914	5.609312	5.492201	5.559688	4.886838	4.922503	5.139353	4.912595	4.934974	4.839198	5.170659	5.077988	4.918728
AL669831.	ENSG00000228327	-0.34328	1.854279	-2.28769	0.034864	0.053846	-4.57146	2.27083	2.152784	2.166567	1.393812	1.817192	1.956998	1.389995	1.430416	1.01237	2.804042	3.439177	2.920951	2.791825	2.863205	2.870883	2.692858	2.212266	2.528753
CCT6P1	ENSG00000228409	0.063095	2.299266	0.620275	0.54308	0.603597	-6.74787	2.461454	2.332462	2.661582	2.548252	2.490996	2.22781	2.26554	2.357042	2.471058	2.664903	2.865607	2.766268	2.822733	2.797719	3.042931	2.448672	2.447571	2.724423
LNC-LBCS	ENSG00000228412	0.087837	0.761587	0.410411	0.686492	0.734558	-6.46081	2.19231	2.039077	1.54317	1.978268	1.996426	2.064596	1.074544	1.301009	1.38134	1.52331	1.300837	1.538714	1.667235	1.462417	1.284217	0.837776	1.289746	0.497646
LINC02474	ENSG00000228437	0.924754	-0.72082	5.22539	6.28E-05	0.000196	1.59249	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.303547	3.175905	2.930089	3.974777	3.981932	4.01878	1.833493	1.981819	2.252429
NA	ENSG00000228439	0.58142	0.438395	3.199208	0.005115	0.009701	-2.3343	1.18244	0.940485	1.202741	1.393812	1.307481	1.123626	0.983587	1.301009	1.620777	1.158593	1.112482	0.958181	1.27873	1.652223	1.639204	1.320757	1.329561	1.322858
OST4	ENSG00000228474	0.579499	7.132268	14.27583	4.53E-11	1.82E-09	15.4342	6.828373	6.874671	6.856623	7.330558	7.449868	7.361253	7.141693	7.005467	7.141874	6.938126	6.961034	6.872848	7.500073	7.530883	7.58728	7.065167	7.105331	7.023265
C2orf92	ENSG00000228486	0.835134	0.028128	3.301521	0.004093	0.007954	-2.10691	0.814199	0.661886	0.964748	1.182548	1.164793	1.250575	0.415731	0.915275	1.01237	1.315703	1.300837	0.639567	1.621093	1.495836	1.320349	1.017342	1.118494	1.115245
AL513550.	ENSG00000228506	-0.25793	0.347382	-1.26436	0.222702	0.278265	-5.68801	1.336422	1.118985	1.54317	1.022291	0.828511	1.055701	0.886508	1.367163	1.01237	1.158593	1.498542	1.413989	1.121891	1.357245	1.667532	1.250674	1.024588	1.273688
MIR34AHG	ENSG00000228526	-0.00501	3.292717	-0.03841	0.969793	0.974831	-7.2283	3.408783	3.450822	3.075109	2.97776	2.633282	2.998412	3.219115	3.083395	3.340558	3.889238	3.842432	3.625013	4.015478	3.958151	3.928025	3.39949	3.347011	3.779675
CCDC183-A	ENSG00000228544	0.187361	0.706928	1.059707	0.303704	0.365986	-5.9526	1.519087	1.374745	1.453818	1.688986	1.164793	1.919272	1.459147	1.605065	1.314712	1.315703	1.369793	1.413989	1.446877	1.528499	1.423614	0.974502	1.442809	1.222783
FNDC10	ENSG00000228594	0.051371	3.250015	0.431203	0.671592	0.720944	-7.09187	3.58303	3.638208	3.576275	3.503067	3.670226	3.678224	2.933443	3.122225	2.670735	3.367773	3.494263	3.360144	3.557503	3.338827	3.525482	3.603046	3.431768	3.176297
ZNF883	ENSG00000228623	1.452542	-0.39098	7.972947	3.15E-07	2.06E-06	6.972826	0.106501	0.106501	0.219246	0.258133	0.25478	0.106501	0.106501	0.253663	0.256032	2.14259	2.212518	1.933468	3.197622	3.428092	3.478287	2.901634	3.116085	3.176297
FCF1P2	ENSG00000228638	-0.11663	2.614719	-1.1238	0.276295	0.33678	-6.24362	3.397161	3.370829	3.162305	3.20008	2.970101	3.18484	3.457463	3.605944	3.668646	2.204194	2.388995	2.286428	2.112949	2.363215	2.433049	2.666185	2.392244	2.549558
PROB1	ENSG00000228672	-0.83823	1.533945	-3.51558	0.002562	0.005237	-2.1194	1.602421	0.8079	0.964748	1.634586	1.556428	1.623325	0.782422	0.622068	0.735084	3.394446	3.486521	3.663876	2.694919	2.416542	2.416453	3.290193	3.537548	3.121769
LINC02575	ENSG00000228709	0.24782	-0.85668	1.154984	0.263644	0.323435	-6.00048	0.216396	0.215206	0.106501	0.258133	0.106501	0.106501	0.269385	0.106501	0.106501	2.282443	1.8028	1.877881	2.162115	2.344993	2.161508	2.539649	2.233409	2.507643
DHFR	ENSG00000228716	-0.99463	5.793094	-10.0258	1.14E-08	1.32E-07	9.848995	6.176225	6.092304	6.003871	5.49519	5.596688	5.550692	5.991301	5.916187	5.839908	6.377422	6.357747	6.327147	5.027605	5.051933	5.066284	5.905556	6.001889	6.000631
LINC02577	ENSG00000228742	0.971337	1.523919	4.078684	0.000743	0.001739	-0.7159	1.235614	1.374745	1.146821	1.933905	1.006428	1.799787	1.70672	2.069791	2.087859	1.964162	2.155072	2.243088	2.940139	3.054776	3.206318	2.075685	2.078458	2.119598
MRPL45P2	ENSG00000228782	-0.18196	2.185786	-0.94582	0.357132	0.421672	-6.32525	3.300651	3.310847	3.231147	2.577385	2.605925	2.998412	3.158032	3.214961	3.162566	1.787595	2.032826	1.839597	2.162115	2.269709	2.121111	1.482378	2.054898	1.910335
LINC01128	ENSG00000228794	-0.0946	3.635917	-0.87842	0.391634	0.456617	-6.86022	3.520128	3.335139	3.204003	3.591402	3.560502	3.445903	3.904396	4.019913	3.82044	3.950439	4.061483	3.977706	3.90909	3.479115	3.831176	4.093128	3.948889	3.906054
AC064807.	ENSG00000228801	0.038317	0.555324	0.286263	0.778042	0.815607	-6.68348	0.882475	0.736739	0.756332	0.52061	0.92021	0.563119	0.670238	0.622068	0.629397	2.078238	2.355385	2.30059	2.412911	2.533802	2.121111	2.211015	1.981819	2.119598
SEPTIN7-D	ENSG00000228878	0.252217	0.52059	1.251989	0.22707	0.283102	-5.73074	1.069823	1.420874	1.499186	1.182548	1.437317	1.123626	1.160105	0.915275	1.38134	1.423238	1.265082	1.126631	1.838325	1.2438	1.610309	1.419885	1.368306	1.170016
UBAC2-AS1	ENSG00000228889	-0.46706	0.723762	-1.66001	0.114746	0.155472	-5.26123	1.861169	1.849715	1.667608	0.635873	0.828511	0.746642	0.886508	1.231675	1.244857	1.352446	1.699433	1.896649	1.954519	1.793303	1.775589	1.759719	1.547811	1.739782
AC107419.	ENSG00000228933	-0.12064	-1.45623	-0.48101	0.636476	0.689117	-6.31633	0.216396	0.316291	0.219246	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	1.352446	1.300837	1.305813	1.667235	1.622273	1.284217	1.214313	1.024588	1.273688
LINC02041	ENSG00000228952	0.225366	0.099809	0.908615	0.375912	0.440596	-6.31616	0.503316	0.410755	0.829201	0.258133	0.106501	0.3528	0.415731	0.509405	0.39151	2.47802	2.249583	2.136592	2.791825	2.671787	2.743612	1.970607	2.274787	2.277588
SATB1-AS1	ENSG00000228956	1.34564	-1.20087	7.992199	3.05E-07	2.01E-06	7.020554	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.586365	2.032826	1.759838	2.986372	2.901116	3.053703	1.85727	2.233409	1.81044
NA	ENSG00000228989	-0.29066	1.806521	-2.14838	0.04597	0.068915	-4.70221	2.109269	2.283367	2.492412	1.74141	1.768674	1.623325	1.816207	1.760835	2.127218	2.722179	2.500824	2.460504	2.491955	2.612083	2.449456	1.992244	2.233409	2.252429
ZFAND2A-I	ENSG00000229043	-0.88757	2.296324	-6.55908	4.24E-06	1.89E-05	4.387654	3.810347	3.714268	3.55495	2.97776	2.605925	2.5075	2.806512	2.938616	2.915195	2.527059	2.469748	2.198406	1.916818	1.897007	2.014873	1.926335	2.146913	1.844513
RPL41	ENSG00000229117	0.069512	8.356731	1.750697	0.097529	0.134878	-6.45351	8.598126	8.541658	8.561186	8.603083	8.654714	8.56748	8.69308	8.59965	8.675358	8.152285	8.042872	7.972582	8.080842	8.172863	8.200776	8.021056	8.176058	8.190789
AC026403.	ENSG00000229119	-0.03177	1.308679	-0.11693	0.90825	0.924741	-6.53561	2.505419	2.152784	2.848472	2.97776	2.762786	2.557474	2.908934	2.568641	2.697131	1.76051	1.498542	1.126631	1.054048	0.837535	1.209118	0.837776	1.289746	0.872651
VIM-AS1	ENSG00000229124	1.318823	1.29107	4.191491	0.000581	0.0014	-0.50354	2.021155	1.849715	1.62731	1.104644	1.307481	1.310092	0.886508	1.15884	1.01237	1.814181	1.851833	1.514616	3.456014	3.410675	3.404467	1.926335	1.981819	2.033602
ANKRD10-I	ENSG00000229152	0.364281	0.532818	1.610762	0.125143	0.168199	-5.32624	1.12723	1.226787	1.146821	1.688986	0.92021	1.250575	0.548589	1.001115	1.445026	1.787595	1.777644	1.305813	1.733794	2.06228	1.970087	1.017342	1.16325	1.115245
EPHA1-AS1	ENSG00000229153	-0.8622	0.089779	-3.13235	0.005914	0.011052	-2.57825	0.882475	1.002471	0.512639	0.258133	0.106501	0.3528	0.415731	0.915275	0.629397	2.282443	2.115463	2.422156	1.878105	1.793303	2.161508	1.85727	1.930959	2.033602
AC114488.	ENSG00000229167	0.12921	-1.62083	0.635331	0.533443	0.59472	-6.28259	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.616888	1.588084	1.49011	1.689764	1.560439	1.851631	1.65509	1.118494	1.058313
AC006001.	ENSG00000229180	0.729674	1.601937	4.215182	0.000551	0.001337	-0.39472	1.861169	1.465573	1.888281	2.577385	2.490996	2.581827	1.70672	1.760835	2.239236	1.964162	2.249583	1.839597	2.42639	2.467968	2.200805	1.85727	1.329561	1.844513
KRT8P12	ENSG00000229320	0.109446	2.633674	1.257156	0.225238	0.280965	-6.38014	1.755904	2.258179	1.853768	2.021307	2.117603	2.098749	2.26554	1.85606	2.274723	3.844798	3.767745	3.738597	3.783794	3.933972	3.886451	3.691675	3.529023	3.509302
DPY19L1P1	ENSG00000229358	0.280518	2.501625	1.813612	0.086945	0.121766	-5.32671	2.668993	2.836538	2.558197	3.123142	3.225109	3.349911	3.238915	3.141256	3.254305	2.527059	2.841532	2.34226	2.42639	2.596763	2.465679	2.135245	2.447571	2.374055
SFTA3	ENSG00000229415	0.547349	-0.3717	6.230655	8.06E-06	3.29E-05	3.561646	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.560679	3.584062	3.691009	4.102013	4.1851	4.114488	3.218571	3.225651	3.093712
PATL2	ENSG00000229474	0.815731	-1.01993	2.47294	0.023929	0.038485	-3.77292	0.106501	0.215206	0.219246	0.395333	0.106501	0.2349	0.106501	0.509405	0.39151	1.352446	1.369793	1.46518	2.062048	1.871771	1.923865	1.099384	1.16325	1.504318
PANK2-AS1	ENSG00000229539	0.092635	0.84889	0.551913	0.587996	0.645409	-6.62836	1.069823	1.002471	0.964748	0.635873	1.006428	0.461789	0.983587	0.824004	0.735084	2.356666	2.338281	2.581432	2.694919	2.824271	2.559363	2.247458	1.981819	2.174206
NKX1-2	ENSG00000229544	-0.21326	1.95612	-2.18358	0.042893	0.064812	-5.44126	0.318509	0.316291	0.323815	0.395333	0.512209	0.461789	0.106501	0.106501	0.106501	6.703185	6.52202	6.685893	6.4927	6.328781	6.389653	6.643559	6.487651	6.485333
LINC01204	ENSG00000229563	-1.19089	0.039026	-3.62031	0.002036	0.004272	-1.55185	1.642349	1.465573	1.256574	0.258133	0.389229	0.563119	0.269385	0.253663	0.256032	1.840286	2.249583	1.969371	1.573426	1.393161	1.423614	1.970607	1.981819	1.665483
RPL4P4	ENSG00000229638	0.308271	1.292636	1.297867	0.211201	0.265525	-5.72883	1.791852	1.947501	2.248556	2.740812	2.490996	2.258349	3.027514	2.184314	2.239236	1.76051	1.467416	1.126631	1.308151	1.462417	1.247156	1.250674	1.513652	1.170016
NAMPTP1	ENSG00000229644	0.663978	-0.62341	1.636619	0.119589	0.161588	-4.90138	1.519087	1.670392	1.818408	2.181668	2.03796	1.919272	1.70672	2.184314	1.962896	0.106501	0.462741	0.16959	0.352262	0.416769	0.186984	0.257084	0.433238	0.409347
ITGB1-DT	ENSG00000229656	-0.27534	0.13841	-0.70956	0.487336	0.550359	-6.02835	2.392887	2.308123	2.446827	2.143217	2.460774	2.258349	2.102195	2.389238	2.616448	0.669294	0.462741	0.76743	0.352262	0.484926	0.404558	0.686723	0.433238	0.106501
RPL26P6	ENSG00000229659	-0.16414	0.106948	-0.74336	0.467139	0.530537	-6.05357	1.18244	1.465573	1.78216	1.519216	1.612488	1.575618	1.317361	1.710758	1.777424	0.982259	0.848253	0.807652	0.610222	0.550009	0.760679	0.738851	0.69947	0.659518
AC009237.	ENSG00000229689	0.874279	0.147894	12.16569	5.82E-10	1.23E-08	13.11534	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.054455	4.369954	4.29666	5.034222	5.115127	5.171406	4.507942	4.592839	4.38838
NA	ENSG00000229729	0.232494	1.507025	1.560574	0.136548	0.181287	-5.55331	1.336422	1.277811	1.744977	1.578054	1.666451	1.956998	1.70672	1.901414	1.826075	1.98771	2.437987	1.951531	2.112949	2.039797	2.497588	2.464239	2.500854	2.528753
ZNF688	ENSG00000229809	0.660542	1.976366	5.823396	1.82E-05	6.65E-05	2.811147	1.681202	1.81559	1.54317	2.103714	1.817192	1.880533	1.317361	1.491012	1.171446	2.708071	2.618839	2.966075	3.449427	3.410675	3.437743	3.073871	2.972579	3.176297
ATXN1-AS1	ENSG00000229931	0.845149	-0.11126	5.35767	4.76E-05	0.000155	2.151915	0.667115	0.661886	0.598525	0.934951	1.164793	0.909432	0.670238	0.509405	0.39151	1.352446	1.435603	0.958181	1.733794	1.766169	1.695314	1.017342	1.024588	1.058313
TFAP2A-AS	ENSG00000229950	0.154445	1.17343	0.93637	0.361841	0.426667	-6.12493	2.137484	2.206444	1.888281	2.518519	2.264801	2.317553	1.917967	1.988058	2.165532	1.423238	1.529011	1.49011	1.548989	1.077171	1.610309	1.177011	1.072305	1.222783
AL590666.	ENSG00000229953	-0.51191	4.094704	-4.07437	0.00075	0.001754	-1.12757	5.256622	5.369848	5.541709	4.733909	4.478119	4.633822	5.198536	4.825892	5.036597	3.358771	3.406729	3.495574	3.449427	3.401888	3.281558	3.39949	3.413359	3.228839
AC007128.	ENSG00000229970	0.40386	4.09E-05	1.430797	0.170125	0.219403	-5.30115	1.18244	1.508929	1.30847	1.74141	1.437317	1.757653	1.816207	1.988058	1.873138	0.609835	0.583785	0.594297	1.088368	0.416769	0.593579	0.686723	0.816175	0.409347
PRRT3-AS1	ENSG00000230082	-0.62405	1.177785	-4.67135	0.000204	0.000556	0.674718	1.894617	1.849715	1.62731	1.457877	1.666451	1.422231	1.917967	1.945386	1.564539	2.033684	1.851833	2.038602	1.621093	1.320413	1.390007	1.880661	1.795362	1.844513
ACBD6	ENSG00000230124	-0.39208	6.271359	-4.35162	0.000409	0.001025	-0.94254	7.215934	7.211279	7.333683	6.756263	6.584058	6.609997	7.420556	7.420078	7.395639	5.430762	5.625972	5.478369	5.358113	5.370673	5.459595	5.533662	5.558198	5.528997
AL450405.	ENSG00000230202	-0.11284	0.854188	-0.57661	0.571554	0.63052	-6.36315	1.719036	1.744817	1.706811	1.326771	1.556428	1.526279	1.917967	1.605065	1.50602	1.787595	1.467416	1.158083	1.446877	1.393161	1.667532	1.017342	1.406038	1.370407
NFE4	ENSG00000230257	0.40146	2.943689	6.61102	3.83E-06	1.74E-05	4.070389	1.069823	1.277811	1.088647	1.457877	1.817192	1.623325	1.588238	1.710758	1.727075	4.871097	4.848932	4.786248	5.170617	5.160118	5.224807	5.255863	5.372937	5.478356
TPI1P2	ENSG00000230359	-0.38576	0.783545	-2.14814	0.045992	0.06894	-4.46104	1.602421	1.420874	1.78216	1.256461	0.828511	1.123626	1.240874	1.15884	1.445026	1.457372	1.8028	1.915176	1.548989	1.819936	1.695314	1.482378	1.478665	1.546329
AC004835.	ENSG00000230392	-0.37657	-0.60938	-2.65014	0.016563	0.027656	-3.84421	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	3.284659	3.278101	3.262236	2.977243	2.671787	2.782986	2.968656	3.149837	3.121769
SERPINB9P	ENSG00000230438	0.85146	0.564138	4.053353	0.000786	0.001829	-0.51816	1.561356	1.670392	1.406977	2.325974	2.264801	2.374422	1.917967	1.549165	2.005764	0.781331	0.799097	0.846782	0.787801	1.357245	1.08859	1.058946	0.871168	0.659518
NA	ENSG00000230439	-2.57822	4.330068	-11.1419	2.29E-09	3.58E-08	11.80509	7.515086	7.39221	7.388209	4.938614	4.801196	4.864722	6.833623	6.720802	6.995353	3.08079	3.21391	3.077191	1.186687	1.282615	1.209118	3.793775	3.779553	3.571657
LRRC37A6P	ENSG00000230445	0.063463	-0.90804	0.284076	0.77969	0.816914	-6.54287	0.216396	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.253663	0.256032	2.01088	2.095243	1.73919	1.733794	1.766169	2.014873	2.095813	2.274787	2.277588
ANKRD18B	ENSG00000230453	-0.91629	-0.08941	-1.94441	0.068121	0.098064	-4.49484	1.894617	2.37994	2.351095	2.325974	2.117603	1.880533	2.376953	2.290412	2.005764	0.88529	0.640699	0.54756	0.171976	0.26996	0.106501	0.457048	0.504542	0.659518
PSMG3-AS	ENSG00000230487	-0.16669	4.123329	-0.92537	0.367377	0.432335	-7.01039	4.988842	4.917869	5.014266	4.218476	4.110665	4.10523	3.219115	3.318907	3.143496	4.261822	4.340194	4.286022	4.604095	4.604394	4.480563	4.122857	4.071361	4.022248
THAP7-AS1	ENSG00000230513	-0.00178	0.763314	-0.01024	0.991945	0.992921	-6.63726	1.336422	1.277811	1.202741	1.256461	0.730585	1.055701	1.240874	1.15884	0.925731	1.732907	2.115463	1.839597	2.096181	2.190279	1.876113	1.681967	1.581179	1.416439
AL645929.	ENSG00000230521	0.040417	-0.91364	0.168691	0.867976	0.891359	-6.62483	0.216396	0.215206	0.323815	0.106501	0.389229	0.106501	0.106501	0.106501	0.106501	1.76051	1.725977	1.933468	1.973006	1.897007	1.947161	2.075685	2.354144	2.350536
AC021078.	ENSG00000230551	0.334406	3.566427	3.343842	0.003732	0.007312	-2.75098	2.9807	3.286138	3.431666	3.21869	3.394558	3.584921	3.115825	3.605944	3.468658	3.844798	4.10258	3.641797	4.110387	4.220515	4.338034	3.945668	3.999132	4.163911
FTX	ENSG00000230590	0.388619	0.920709	1.962401	0.065837	0.095142	-4.68454	1.861169	1.81559	1.853768	2.021307	2.03796	2.164723	2.376953	1.945386	2.202855	1.028404	1.190799	0.807652	1.473091	1.077171	1.129895	0.974502	1.16325	1.665483
RPS23P8	ENSG00000230629	-0.16819	1.224422	-0.72276	0.47939	0.542762	-6.29381	2.320899	2.009193	2.720234	2.518519	2.398361	2.22781	2.376953	2.184314	2.202855	1.76051	1.644832	1.248523	1.186687	1.16289	1.355599	1.058946	1.513652	0.734116
AC140479.	ENSG00000230650	-0.65312	0.820058	-2.48299	0.023439	0.037787	-3.85827	2.021155	1.508929	2.018628	1.182548	1.437317	1.669505	1.317361	0.622068	1.171446	2.18395	1.851833	1.439812	1.365252	1.282615	1.390007	1.387593	1.878239	1.546329
AC018638.	ENSG00000230715	-0.30886	1.124603	-1.71104	0.104762	0.143529	-5.26455	1.990546	1.978677	2.166567	1.256461	1.437317	1.799787	1.074544	1.231675	1.38134	1.891119	1.967585	1.780195	1.667235	2.190279	1.775589	1.627702	1.851139	1.546329
LINC01001	ENSG00000230724	-0.35469	-0.58693	-1.18136	0.253287	0.3121	-5.76708	0.41387	0.736739	0.598525	0.395333	0.106501	0.909432	0.269385	0.387194	0.256032	1.278001	1.498542	1.585733	1.365252	1.495836	1.209118	1.387593	1.289746	1.273688
HLA-K	ENSG00000230795	-0.86922	1.520401	-6.22828	8.09E-06	3.31E-05	3.335178	0.106501	0.736739	0.421314	0.106501	0.512209	0.461789	0.548589	0.387194	0.39151	5.288691	5.336211	5.281796	4.47385	4.312477	4.488525	5.802165	5.659306	5.647122
YY2	ENSG00000230797	0.793037	1.085111	2.774332	0.012749	0.021933	-3.17402	2.109269	2.09705	2.221741	2.91067	2.299368	2.532704	3.115825	2.981485	3.00245	0.269074	0.695454	0.958181	0.945898	1.320413	1.08859	1.214313	1.547811	1.416439
FOXD3-AS1	ENSG00000230798	0.62676	0.236446	2.35368	0.030522	0.047756	-3.99533	0.947665	0.736739	1.358564	1.022291	1.909591	1.526279	0.670238	0.726566	1.0941	0.834246	1.300837	1.333627	1.597456	1.320413	1.320349	0.930351	1.442809	1.115245
ZNF674-AS	ENSG00000230844	-0.78777	2.699753	-5.82835	1.80E-05	6.59E-05	2.804762	3.27548	3.323044	3.419917	2.48816	1.953662	2.258349	2.667326	2.981485	2.798137	3.471629	3.431133	3.445469	3.039964	3.020741	2.930541	2.625227	2.726388	2.760563
AC005077.	ENSG00000230882	-1.5969	3.603862	-6.19869	8.58E-06	3.48E-05	3.380236	4.302931	4.34846	4.600923	2.605941	2.429905	2.164723	2.696258	2.650616	3.00245	4.346223	4.735932	4.840568	3.381853	3.560336	3.317756	5.072509	4.90431	4.557121
MIR205HG	ENSG00000230937	1.104425	-0.30907	12.95035	2.16E-10	5.70E-09	14.13217	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.002038	3.204502	2.948194	4.114557	4.078843	4.119623	4.000079	4.134537	4.242679
HSBP1	ENSG00000230989	-0.22198	7.455679	-3.80621	0.001353	0.002953	-2.30715	8.079146	8.049205	8.056079	7.725668	7.618485	7.601281	7.785323	7.747972	7.866703	7.096779	7.097531	7.060867	7.028371	7.05473	7.088526	7.116559	7.125263	7.162302
NA	ENSG00000231025	-0.60025	2.42966	-4.6741	0.000203	0.000553	0.461015	3.43175	2.91921	2.94999	2.81607	2.398361	2.402038	2.480375	2.894433	2.77354	2.843296	3.034402	2.796562	2.55467	2.398985	2.294605	2.35157	2.33471	2.724423
LINC02522	ENSG00000231056	0.092517	-0.27943	0.844143	0.409995	0.474993	-6.71448	0.106501	0.316291	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.544892	3.517242	3.445469	3.691919	3.560336	3.586098	3.552967	3.628139	3.601852
THBS3-AS1	ENSG00000231064	1.864633	0.473436	8.162344	2.27E-07	1.56E-06	7.291656	0.742531	0.661886	0.964748	2.181668	1.718467	1.623325	0.415731	0.509405	0.925731	1.073118	1.190799	0.993481	2.452975	2.148862	2.34809	1.627702	1.613793	1.58715
HCG18	ENSG00000231074	0.196152	5.098404	3.873809	0.001166	0.002585	-1.92529	4.333741	4.548709	4.547936	4.784753	4.831037	4.793524	4.591583	4.583078	4.7071	5.564009	5.672774	5.555685	5.741807	5.694099	5.72012	5.664076	5.53284	5.726921
LINC01508	ENSG00000231107	-0.37929	3.346409	-3.42415	0.00313	0.00625	-2.42597	3.783815	3.714268	3.522358	3.325575	3.457132	3.200652	4.057185	3.89093	3.913431	3.446357	3.470912	3.543997	3.004458	3.213858	3.244428	3.094024	3.546022	3.375875
ZNF826P	ENSG00000231205	-0.98204	-0.70619	-7.72539	4.88E-07	2.96E-06	6.510508	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.275122	3.509623	3.532043	2.385571	2.50126	2.513282	3.298901	3.171908	3.241681
CFAP58-DT	ENSG00000231233	0.113499	0.465489	0.32974	0.745516	0.787246	-6.2592	2.392887	2.448351	1.853768	2.740812	2.549605	2.675323	2.513265	2.960209	2.588518	0.415169	0.748206	0.726056	0.294634	0.612281	0.263213	0.63264	0.759002	0.734116
ANAPC1P2	ENSG00000231259	0.064076	0.512453	0.375599	0.711735	0.758264	-6.3918	1.235614	1.420874	1.62731	1.256461	1.437317	1.250575	1.389995	1.367163	1.50602	1.352446	1.07167	1.126631	1.420179	1.203912	1.320349	1.286141	0.924142	1.322858
SBK3	ENSG00000231274	-1.17598	0.305525	-4.08438	0.000734	0.001721	-0.63185	1.069823	1.465573	1.202741	0.258133	0.389229	0.3528	0.106501	0.509405	0.735084	2.461296	2.632935	2.510098	1.733794	1.846087	2.014873	2.479639	2.254246	1.942153
MAP4K3-D	ENSG00000231312	-0.175	2.99941	-2.04133	0.056613	0.083231	-5.11323	3.465529	3.537122	3.717332	3.162124	3.151334	3.377995	3.050103	3.122225	3.306673	3.091698	3.034402	3.085394	3.066031	3.009215	3.085545	2.878584	3.022017	3.021085
WARS2-AS	ENSG00000231365	-0.23409	2.632857	-2.28587	0.034991	0.054031	-4.60307	2.9807	3.169391	3.044832	2.81607	2.57804	3.016392	2.779728	2.848856	2.616448	2.906434	3.175905	2.83599	2.802201	2.612083	2.976553	2.611312	2.827179	2.830235
HLA-DPA1	ENSG00000231389	0.318847	-0.10629	1.63874	0.119142	0.161031	-5.20271	1.069823	1.173893	0.756332	0.934951	1.164793	1.250575	0.548589	0.622068	0.515351	1.352446	1.435603	1.562415	1.597456	1.681564	1.749324	0.457048	0.433238	0.580851
LINC00689	ENSG00000231419	-0.51538	-1.58364	-1.43991	0.167564	0.21663	-5.16827	2.245129	1.883052	2.351095	1.519216	1.498102	1.526279	2.303642	2.389238	1.962896	0.106501	0.106501	0.106501	0.106501	0.190544	0.106501	0.106501	0.19538	0.106501
WASIR2	ENSG00000231439	0.312657	-0.45814	0.822703	0.42176	0.486839	-6.22825	0.216396	0.410755	0.106501	0.52061	0.828511	0.106501	0.415731	0.915275	0.106501	1.840286	1.8028	1.969371	2.009285	2.084417	1.775589	1.85727	1.981819	1.844513
NA	ENSG00000231483	0.266594	-1.8163	1.446187	0.16582	0.214667	-5.4028	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.158593	1.112482	1.538714	1.473091	1.495836	1.247156	1.177011	1.795362	1.416439
RPS18	ENSG00000231500	-0.0581	9.797567	-1.40222	0.17836	0.228843	-7.06205	9.822623	9.802123	9.761629	9.651825	9.643145	9.601796	9.683772	9.736298	9.765591	9.93516	9.859049	9.767371	9.821671	9.927933	9.919116	9.825359	9.886187	9.975787
FAM225A	ENSG00000231528	-0.14297	-0.3982	-0.73935	0.469511	0.533018	-6.14018	0.742531	0.582935	0.323815	0.52061	0.389229	0.563119	0.415731	0.726566	0.515351	1.278001	1.403073	1.360915	1.054048	1.428204	1.320349	1.250674	1.368306	1.273688
LINC01249	ENSG00000231532	0.376601	-1.06516	1.945075	0.068035	0.09796	-4.88244	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	1.964162	2.193623	2.004401	2.466086	2.326537	2.465679	1.903678	2.030948	2.091498
FAHD2CP	ENSG00000231584	0.197092	1.515624	1.126686	0.275107	0.335561	-6.05229	2.296082	2.232543	2.166567	2.457149	2.299368	1.840725	2.186178	1.85606	2.165532	1.646779	1.899254	1.759838	2.009285	2.169719	2.058312	1.734264	1.67689	1.115245
DLEU2	ENSG00000231607	0.012957	1.68851	0.105514	0.917169	0.932356	-6.69982	1.959273	1.978677	1.853768	2.21912	1.864131	1.919272	2.376953	2.623806	2.408535	2.01088	1.922393	2.088428	1.954519	1.993753	1.970087	2.173627	2.392244	2.003758
COA6-AS1	ENSG00000231663	-0.62884	0.700434	-1.97249	0.064588	0.093564	-4.65279	1.927307	2.232543	1.987129	1.326771	1.498102	1.757653	2.102195	2.108984	2.34318	1.676063	1.369793	1.248523	1.365252	1.16289	0.812339	0.576451	0.759002	0.580851
AL033397.	ENSG00000231683	-2.60414	-0.13053	-7.06555	1.62E-06	8.29E-06	5.329487	1.475543	1.374745	1.028027	0.742604	0.512209	0.563119	0.886508	1.367163	0.925731	1.676063	1.644832	1.46518	0.234608	0.26996	0.404558	1.599785	1.707432	1.910335
LINC-PINT	ENSG00000231721	0.067195	1.907545	0.501546	0.622246	0.676744	-6.52864	3.498536	3.298545	3.25779	3.20008	3.394558	3.200652	3.027514	3.178579	3.323715	1.158593	1.369793	1.333627	1.597456	1.495836	1.580823	1.512637	1.442809	1.370407
LINC01273	ENSG00000231742	-0.44152	0.602789	-2.18201	0.043026	0.064986	-4.2625	2.345296	2.068355	2.079636	1.326771	1.612488	1.799787	2.01302	1.945386	1.564539	0.834246	0.941811	1.061592	0.982856	1.077171	0.862212	0.837776	0.975239	1.058313
AC079922.	ENSG00000231747	-0.12938	0.335473	-0.43222	0.670869	0.720385	-6.28985	1.069823	1.708084	1.54317	1.022291	1.612488	2.029614	1.648695	1.710758	1.777424	1.388276	1.190799	0.726056	0.828978	0.7293	0.910419	0.884806	0.975239	0.734116
EMBP1	ENSG00000231752	0.232504	0.185462	1.127538	0.274757	0.33522	-6.14112	0.216396	0.410755	0.421314	0.258133	0.106501	0.657796	0.548589	0.387194	0.515351	2.392392	2.714733	2.460504	2.683738	2.863205	2.833866	2.583072	2.665466	2.629903
TMEM44-A	ENSG00000231770	0.137515	2.624431	1.269636	0.220859	0.276278	-6.27851	2.688195	2.425906	2.621113	2.143217	2.660129	2.402038	2.545421	2.511284	2.239236	3.284659	3.166245	3.406715	3.551365	3.591587	3.478287	2.957699	2.908298	2.880366
PIK3CD-AS	ENSG00000231789	0.663414	1.252503	5.699316	2.35E-05	8.28E-05	2.532418	1.12723	0.499412	0.512639	0.934951	1.087782	0.746642	0.670238	0.915275	0.39151	3.196464	3.096753	3.093551	3.762697	3.68147	3.734067	3.16242	3.160915	3.050576
PCAT7	ENSG00000231806	0.629983	1.492485	3.750697	0.001528	0.003298	-1.47258	2.051128	1.591918	1.453818	1.457877	1.612488	1.714252	1.074544	1.15884	1.38134	2.033684	2.011405	2.422156	2.822733	2.974074	2.976553	2.135245	2.392244	2.464474
AL162377.	ENSG00000231856	0.057656	-0.54936	0.168419	0.868188	0.891471	-6.52914	0.742531	0.499412	0.598525	0.258133	0.512209	0.106501	0.269385	0.622068	0.106501	1.52331	1.467416	1.759838	1.973006	2.10622	1.826726	1.214313	1.329561	1.222783
TRAF3IP2-A	ENSG00000231889	0.012752	0.704398	0.064147	0.949581	0.958396	-6.48858	1.519087	1.508929	1.921989	1.888135	1.666451	2.22781	1.389995	1.491012	1.445026	1.388276	1.300837	1.305813	1.186687	0.888753	1.284217	1.13872	1.024588	1.273688
DARS1-AS1	ENSG00000231890	0.11427	0.836539	0.857876	0.402572	0.467801	-6.2319	1.18244	1.061904	1.146821	1.104644	1.307481	1.475193	1.160105	1.367163	1.50602	1.940223	1.752042	1.800268	1.838325	1.766169	1.876113	1.627702	1.707432	1.58715
TAPBP	ENSG00000231925	0.789404	7.134298	11.66743	1.12E-09	2.06E-08	12.11096	6.29371	6.423545	6.409383	7.213657	7.197228	7.115479	7.094929	7.085019	7.11765	7.033133	7.019206	7.132386	7.858074	7.805735	7.834127	7.37258	7.322519	7.288336
ANXA2P2	ENSG00000231991	0.312958	1.587011	1.536098	0.142419	0.187943	-5.48568	2.245129	2.55562	2.5366	2.933382	3.132285	2.697781	2.752438	2.324112	2.309357	1.76051	1.467416	1.387696	1.336984	1.428204	1.775589	1.13872	1.406038	1.910335

ZBED9	ENSG00000232040	-0.1198	2.69987	-0.96831	0.346099	0.410449	-6.62378	3.026682	2.836538	2.94999	2.48816	2.264801	2.196611	2.144798	2.324112	2.501332	3.437834	3.204502	3.290894	3.374919	3.544454	3.387537	3.094024	3.394711	3.189613
DCST1-AS1	ENSG00000232093	-0.5898	0.732452	-4.0294	0.000828	0.001916	-0.62086	1.642349	1.551021	1.954926	1.393812	1.2379	1.526279	1.317361	1.605065	1.50602	1.616888	1.435603	1.538714	1.154653	0.986036	1.284217	1.482378	1.329561	1.370407
AC012313.	ENSG00000232098	0.085903	2.818634	0.769814	0.45169	0.515849	-6.8424	3.026682	2.513665	3.119366	2.661411	2.71237	2.675323	2.513265	2.623806	2.127218	3.255856	3.605665	3.526028	3.563615	3.695921	3.760608	3.143207	3.069818	2.880366
TMA7	ENSG00000232112	-0.15885	6.721891	-4.50765	0.000291	0.000761	-0.71492	6.759694	6.755977	6.707559	6.645426	6.625516	6.564898	6.732502	6.696885	6.603683	6.863718	6.84549	6.863338	6.615456	6.722017	6.704457	6.785083	6.873319	6.882769
MCTS1	ENSG00000232119	-0.37248	6.038382	-6.86024	2.38E-06	1.16E-05	4.30302	6.418244	6.484546	6.406409	6.038828	6.18946	6.111035	6.402418	6.59359	6.464636	6.031553	6.007657	5.928267	5.555029	5.530385	5.643753	5.752314	5.709209	5.84102
IMPDH1P1	ENSG00000232133	-1.79917	-0.29128	-4.44104	0.000337	0.000864	0.31052	1.791852	1.420874	1.30847	0.52061	0.106501	0.2349	0.670238	0.622068	0.629397	1.676063	1.300837	1.219002	1.018891	0.888753	0.862212	1.387593	1.478665	1.170016
IGHV3-43	ENSG00000232216	0.343445	-1.93812	2.558333	0.020059	0.032869	-3.54146	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.116489	1.152172	1.158083	1.248697	1.495836	1.247156	1.354562	1.206659	1.115245
RPL4P2	ENSG00000232341	-0.16155	1.00538	-1.16061	0.261409	0.321219	-5.85953	2.109269	1.81559	1.888281	1.791994	1.666451	1.993763	1.762502	2.029503	1.826075	1.457372	1.403073	1.305813	1.088368	1.393161	1.423614	1.482378	1.368306	1.370407
AC015712.	ENSG00000232386	1.070285	-0.92107	3.423269	0.003136	0.006261	-1.94253	0.106501	0.106501	0.219246	0.106501	0.106501	0.2349	0.269385	0.387194	0.256032	1.646779	1.644832	1.759838	2.706013	2.517623	2.497588	1.387593	1.581179	1.739782
SMIM26	ENSG00000232388	-0.05343	4.265469	-1.01974	0.321758	0.385077	-6.92133	4.284124	4.217373	4.301326	4.3081	4.030628	4.241401	3.916741	4.009594	4.112876	4.569418	4.712893	4.578198	4.521727	4.557684	4.667494	4.398766	4.395944	4.329449
AJM1	ENSG00000232434	0.630385	3.072011	6.087813	1.07E-05	4.20E-05	3.328928	3.43175	3.628412	3.607684	4.272916	4.222966	4.194794	3.474265	3.431409	3.513908	2.427256	2.388995	2.756026	2.95881	3.054776	2.942182	2.855159	2.741225	2.668457
MHENCR	ENSG00000232442	-1.14335	1.719776	-4.11365	0.000688	0.001626	-0.55916	3.156438	3.347134	2.982302	1.688986	1.718467	1.623325	2.752438	2.702788	2.981126	2.282443	1.827525	2.088428	1.954519	1.622273	1.775589	1.286141	1.82352	1.222783
EMSLR	ENSG00000232445	-0.72009	3.833331	-8.03424	2.84E-07	1.89E-06	6.871984	4.456406	4.629503	4.44736	3.80351	4.120365	3.907468	4.19533	4.316298	4.151567	3.818776	3.842432	4.147939	3.108457	3.301515	3.21594	3.756329	3.772348	3.914098
EEF1B2P3	ENSG00000232472	-0.12589	-0.21405	-0.34607	0.733421	0.776836	-6.23194	1.235614	0.8079	1.146821	1.256461	1.164793	1.123626	1.762502	1.231675	1.50602	1.199504	0.986408	0.594297	0.610222	0.837535	0.533283	0.576451	0.871168	0.315289
LINC02802	ENSG00000232527	0.173344	0.264496	0.798651	0.435212	0.499816	-5.98105	2.369288	2.125186	2.423483	2.577385	2.299368	2.288255	2.576877	2.029503	2.165532	0.34397	0.398185	0.639567	0.46104	0.612281	0.593579	0.576451	0.433238	0.497646
AC093673.	ENSG00000232533	-0.01477	2.453078	-0.16591	0.870133	0.89334	-6.96422	2.688195	2.674627	2.399755	2.457149	2.686486	2.532704	2.26554	2.676938	2.616448	2.856146	2.865607	2.992487	2.902055	3.020741	2.795875	2.692858	2.841019	2.724423
NA	ENSG00000232559	-0.10321	2.975271	-0.99812	0.331839	0.39548	-6.51438	3.541402	3.472886	3.204003	3.456785	3.34578	3.498018	3.33403	3.833587	3.4839	2.955028	3.034402	2.87437	2.770846	2.627242	2.833866	3.001034	2.854728	2.742606
RPL3P4	ENSG00000232573	0.019964	2.088231	0.09494	0.925443	0.938957	-6.74091	3.128595	2.655462	2.794903	3.487804	3.225109	2.825643	3.050103	2.894433	2.869505	2.14259	2.303453	1.538714	1.689764	1.591687	1.667532	1.734264	2.124453	2.14716
KIAA1614-.	ENSG00000232586	0.278451	-0.27404	0.939517	0.360269	0.424989	-6.07596	0.587539	0.940485	0.598525	0.52061	0.730585	0.830331	0.106501	0.387194	0.39151	1.116489	1.435603	1.360915	1.473091	1.528499	1.639204	1.512637	1.766644	1.546329
ZNF687-AS	ENSG00000232671	-0.21378	0.576663	-1.12727	0.274866	0.335296	-5.8623	1.475543	1.81559	1.499186	1.022291	1.612488	1.367251	1.317361	1.491012	0.925731	1.423238	1.369793	1.219002	1.336984	1.2438	1.320349	1.482378	1.206659	1.115245
LINC00665	ENSG00000232677	-0.16167	5.621919	-3.75969	0.001498	0.003242	-2.2937	4.265068	4.318312	4.388298	3.955484	3.934936	3.897801	4.079318	4.050434	4.16108	7.277807	7.232095	7.288423	7.181283	7.139112	7.194532	7.283801	7.200333	7.232336
LINC01705	ENSG00000232679	-1.32569	-1.09928	-5.19035	6.76E-05	0.000209	1.717977	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	3.091698	3.044983	3.109727	1.524131	2.016959	1.900186	1.903678	2.078458	1.775544
AC211433.	ENSG00000232729	-0.68537	1.06506	-1.46835	0.159777	0.207941	-5.27874	5.754732	5.783578	5.803703	5.245847	5.034541	4.903882	5.736627	5.6164	5.869223	0.269074	0.106501	0.397516	0.171976	0.416769	0.335616	0.106501	0.19538	0.106501
AC002480.	ENSG00000232759	-0.07601	2.684972	-0.34676	0.732909	0.776467	-6.75222	3.903656	3.944869	4.057757	4.112999	4.213935	4.414089	4.13321	4.128801	3.946814	2.263275	2.095243	1.986992	1.336984	1.2438	1.580823	2.055273	2.274787	2.06284
SLCO4A1-A	ENSG00000232803	-0.20989	-0.13693	-0.55766	0.584147	0.641828	-6.0873	1.602421	1.226787	1.202741	0.52061	0.730585	0.657796	2.226405	2.108984	2.005764	0.415169	0.398185	0.397516	0.828978	0.837535	0.651457	1.320757	1.072305	1.115245
PET117	ENSG00000232838	0.226346	0.961562	1.463219	0.161159	0.20951	-5.53329	1.642349	1.708084	1.62731	1.688986	1.556428	1.475193	1.459147	1.658879	1.50602	1.423238	1.752042	1.248523	1.711947	1.738515	1.876113	1.354562	1.406038	1.626848
LYRM9	ENSG00000232859	-0.43966	0.794707	-1.87708	0.077302	0.109729	-4.786	3.337603	3.128277	3.075109	2.740812	2.633282	2.605775	2.376953	2.420731	1.873138	0.88529	0.848253	0.726056	0.828978	0.784432	0.862212	0.257084	0.69947	0.580851
LINC00342	ENSG00000232931	0.577204	1.384422	2.777331	0.012668	0.021813	-3.44892	1.755904	1.374745	1.78216	1.578054	1.718467	1.526279	1.459147	1.001115	1.564539	1.865926	2.469748	1.60868	2.579013	2.686334	2.559363	1.85727	2.315011	2.419973
RPL23AP8	ENSG00000232938	-0.03051	-1.04743	-0.10854	0.914801	0.930613	-6.52592	0.318509	0.316291	0.219246	0.106501	0.106501	0.2349	0.269385	0.106501	0.106501	1.116489	1.777644	1.73919	1.498836	1.738515	1.970087	1.734264	1.795362	1.877799
SNHG15	ENSG00000232956	-0.85744	5.583113	-15.3011	1.47E-11	8.33E-10	16.72054	6.423982	6.231462	6.353352	5.436777	5.407631	5.294884	5.817858	5.876989	5.788664	5.766469	5.71148	5.731932	4.971246	5.063124	4.987015	5.482982	5.261569	5.467465
CYP1B1-AS	ENSG00000232973	0.653558	1.235428	4.421745	0.000351	0.000897	0.159285	2.109269	1.883052	1.78216	2.181668	2.549605	2.317553	1.816207	1.901414	2.165532	1.352446	1.190799	1.248523	1.548989	1.681564	2.014873	1.419885	1.368306	1.58715
RGS5	ENSG00000232995	0.136136	0.057866	0.580676	0.568871	0.627998	-6.23761	1.286899	0.875715	1.146821	0.742604	1.164793	1.310092	1.240874	0.726566	1.171446	0.934589	0.986408	1.305813	1.121891	1.203912	1.355599	1.099384	0.759002	0.805046
MIR3936H	ENSG00000233006	-0.06742	1.055314	-0.2285	0.821906	0.852429	-6.49843	2.548084	2.748839	2.900124	2.143217	1.996426	2.029614	2.26554	1.760835	1.873138	0.88529	1.07167	0.846782	1.308151	1.495836	1.801384	1.214313	0.975239	0.93723
SNHG7	ENSG00000233016	-0.27855	5.98917	-3.67229	0.001816	0.00386	-2.42239	6.523553	6.553462	6.61141	6.375851	6.580549	6.442243	6.744671	6.717636	6.671815	5.737245	5.639998	5.768053	5.184566	5.280064	5.271695	5.448178	5.372937	5.33891
CCDC144N	ENSG00000233098	0.020655	1.285508	0.1819	0.857754	0.882667	-7.50533	0.216396	0.410755	0.421314	0.106501	0.106501	0.106501	0.106501	0.106501	0.515351	5.62347	5.757239	5.670552	5.790827	5.740146	5.769963	5.723497	5.805882	5.789478
AC008105.	ENSG00000233175	0.421231	-0.02687	1.158742	0.262149	0.321951	-5.6378	1.384302	1.226787	0.964748	1.104644	1.164793	1.623325	2.102195	1.658879	1.918715	0.415169	0.640699	0.846782	1.018891	0.888753	0.707101	0.517985	0.433238	1.115245
AC093157.	ENSG00000233184	0.286588	2.25252	1.817008	0.086404	0.121138	-5.32356	2.780548	2.655462	2.514675	2.999448	2.926537	2.980206	1.917967	2.069791	2.471058	2.605258	2.174476	2.328504	2.504718	2.467968	2.703134	2.625227	2.354144	2.687355
RNF224	ENSG00000233198	1.170065	-0.70919	5.705185	2.32E-05	8.20E-05	2.695626	0.216396	0.106501	0.323815	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	2.078238	2.053933	2.228347	3.318207	3.292034	3.234995	2.417026	1.981819	2.226823
AC133785.	ENSG00000233221	-1.05027	-0.83626	-2.58383	0.019024	0.031306	-3.53104	0.814199	0.875715	0.898566	0.106501	0.106501	0.2349	0.106501	0.387194	0.256032	1.457372	1.228418	1.360915	0.982856	1.393161	1.284217	1.708352	1.406038	1.322858
AC016876.	ENSG00000233223	0.096437	1.416765	0.72259	0.47949	0.542832	-6.39007	2.165157	2.332462	2.274882	2.325974	2.193078	1.956998	1.966276	2.029503	1.826075	1.76051	1.644832	1.562415	1.711947	2.148862	1.775589	1.482378	1.513652	1.546329
GPX1	ENSG00000233276	-0.19565	7.900024	-2.50131	0.022571	0.036519	-5.09934	7.972567	7.977709	7.997508	7.433724	7.630413	7.422369	7.951282	7.893262	7.911776	7.883559	7.874754	8.065962	8.022132	8.003852	7.976435	8.189146	8.127828	7.979449
GTF2IP4	ENSG00000233369	0.570823	4.40455	10.11466	1.00E-08	1.18E-07	10.18217	4.842264	4.929882	4.879222	5.59472	5.492239	5.464914	4.528631	4.690335	4.654189	3.818776	3.854512	3.905414	4.31626	4.274468	4.346819	3.588914	3.743163	3.716682
NKAPP1	ENSG00000233382	0.598855	0.072904	2.613369	0.017887	0.029628	-3.46446	0.947665	1.173893	1.028027	1.519216	1.164793	0.984419	0.670238	1.231675	0.735084	0.934589	0.799097	0.993481	1.420179	1.495836	1.08859	1.320757	0.871168	1.058313
LINC01719	ENSG00000233396	0.731948	1.86252	5.526214	3.35E-05	0.000113	2.228999	1.642349	1.374745	1.453818	2.21912	2.155834	2.164723	1.240874	1.082132	1.445026	2.461296	2.980302	2.581432	3.288992	3.292034	3.147195	2.794876	3.046116	2.668457
EIF3FP3	ENSG00000233426	0.421072	0.172722	1.879854	0.076903	0.109239	-4.72799	1.235614	1.591918	1.358564	1.256461	1.953662	1.575618	1.317361	1.491012	1.50602	0.781331	0.799097	0.884879	1.054048	0.888753	1.284217	0.63264	0.816175	0.497646
AL445524.	ENSG00000233461	-0.68807	2.78741	-4.15401	0.00063	0.001502	-0.67528	3.887134	3.829904	3.668523	2.91067	2.762786	2.805104	3.705302	3.646467	3.808383	2.605258	2.590228	2.86487	2.529911	2.451029	2.465679	2.878584	2.535313	2.14716
EEF1A1P6	ENSG00000233476	-0.45302	1.338784	-1.91711	0.071719	0.102601	-4.84936	2.369288	2.55562	2.446827	2.688367	1.953662	2.064596	2.576877	2.108984	2.34318	2.078238	1.875739	1.061592	1.218025	1.2438	1.129895	1.354562	1.406038	1.370407
TMEM238	ENSG00000233493	0.953217	1.091662	5.167268	7.09E-05	0.000218	1.530373	0.503316	0.875715	1.088647	0.841981	1.087782	0.746642	0.670238	1.001115	0.515351	2.01088	2.546219	2.510098	3.236398	3.401888	3.244428	3.333216	3.225651	2.724423
ZNF529-AS	ENSG00000233527	-0.11867	1.55476	-0.826	0.419939	0.485093	-6.46983	1.430644	1.508929	1.921989	1.104644	1.498102	1.055701	1.762502	1.491012	1.777424	2.558849	2.516115	2.522234	2.649667	2.642244	2.465679	2.384669	2.680939	2.59029
LINC00460	ENSG00000233532	-1.62355	0.415614	-6.66445	3.46E-06	1.59E-05	4.674457	1.602421	1.277811	1.818408	0.258133	0.512209	0.657796	1.389995	1.082132	1.38134	1.676063	1.588084	1.718241	0.907968	1.120667	0.957066	1.970607	2.030948	2.119598
AC011294.	ENSG00000233539	-0.16039	-1.41311	-0.98526	0.33794	0.401776	-6.11885	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.14259	2.095243	2.314614	1.954519	2.06228	1.923865	1.542275	1.368306	1.81044
LINC00513	ENSG00000233559	-0.16393	0.934191	-0.88094	0.390306	0.45533	-6.1006	2.165157	2.513665	2.221741	2.359902	2.264801	2.455733	1.816207	1.760835	2.239236	1.315703	1.369793	1.061592	0.982856	0.784432	1.129895	1.058946	0.924142	0.93723
LINC02609	ENSG00000233593	-0.32984	0.622295	-1.25105	0.227406	0.283421	-5.66496	2.137484	1.744817	2.018628	1.326771	1.612488	1.310092	2.376953	1.710758	2.005764	0.982259	0.941811	1.219002	1.218025	1.203912	1.08859	1.058946	0.871168	0.659518
TWIST2	ENSG00000233608	1.608625	-0.79398	5.877578	1.63E-05	6.08E-05	3.185305	2.725848	2.870177	2.776595	4.464421	4.507984	4.330328	3.490873	3.446787	3.614278	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC01137	ENSG00000233621	0.084212	2.570867	0.854238	0.40453	0.469763	-6.55807	2.850396	3.042358	2.600444	2.840308	2.881616	3.136338	3.19904	3.214961	2.959482	2.589954	2.590228	2.682227	2.717023	2.581279	2.618601	2.625227	2.680939	2.687355
GAS6-AS1	ENSG00000233695	0.300896	3.08679	5.036904	9.35E-05	0.000279	0.791544	1.642349	1.744817	1.54317	2.063099	2.117603	2.098749	1.525136	1.85606	1.445026	4.945135	5.032928	4.852633	5.168614	5.185942	5.231938	4.657623	4.73304	4.869935
AC092835.	ENSG00000233757	0.126489	-0.32433	0.453167	0.656004	0.706447	-6.41146	0.318509	0.316291	0.421314	0.52061	0.106501	0.2349	0.548589	0.622068	0.515351	1.457372	1.8028	1.67541	1.755315	1.871771	2.058312	1.571317	2.030948	2.226823
RPS15P4	ENSG00000233762	-0.12531	1.698698	-0.51797	0.610972	0.667081	-6.50886	2.649532	2.674627	2.812981	2.97776	2.762786	2.455733	3.094248	2.568641	2.915195	2.100009	1.827525	1.360915	1.797417	1.16289	1.488568	0.974502	1.67689	1.504318
AL589843.	ENSG00000233820	-0.09929	-1.51055	-0.75328	0.461308	0.524793	-6.25779	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.964162	1.725977	1.969371	1.776519	1.738515	1.667532	1.599785	1.82352	1.626848
H2BC15	ENSG00000233822	-0.3799	1.846945	-2.53022	0.021262	0.034614	-3.96947	2.392887	2.534795	2.37563	1.840866	2.03796	1.919272	2.186178	1.605065	2.005764	2.427256	2.485369	2.286428	2.225168	1.897007	2.544166	2.479639	2.295039	2.397196
AC005083.	ENSG00000233834	-0.29266	2.799911	-1.99991	0.061297	0.089325	-5.20492	3.210562	3.417081	3.148134	2.255624	2.264801	2.429135	2.480375	2.623806	2.77354	3.403229	3.241771	3.297971	3.442811	3.193633	3.517722	3.16242	3.127424	3.162857
AC139769.	ENSG00000233836	0.415244	-1.0467	4.259418	0.0005	0.001227	-0.30499	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.37464	2.500824	2.198406	2.694919	2.686334	2.675503	2.300453	2.410923	2.350536
NA	ENSG00000233864	-0.11269	2.931922	-1.02437	0.319632	0.382982	-6.58472	3.300651	3.07157	3.204003	2.97776	2.398361	2.885561	2.696258	2.938616	2.723053	3.496465	3.348126	3.203153	3.501296	3.366191	3.361763	3.133504	3.297679	3.241681
NA	ENSG00000233895	-0.09445	0.217019	-0.39766	0.695692	0.743174	-6.46005	0.503316	1.061904	0.898566	1.022291	1.087782	0.984419	0.415731	1.082132	0.515351	1.840286	1.672391	1.631268	1.597456	1.203912	1.580823	1.512637	1.613793	1.322858
LINC01503	ENSG00000233901	0.106087	2.543889	0.682867	0.503643	0.565813	-6.67558	3.313074	3.169391	3.231147	3.425084	3.426184	3.391835	2.806512	2.777669	2.670735	2.444376	2.155072	2.409144	2.399306	2.23054	2.465679	2.524879	2.665466	2.724423
NA	ENSG00000233903	-0.58068	0.748309	-3.94583	0.000995	0.002255	-0.89448	1.602421	1.374745	1.30847	0.635873	0.828511	0.984419	0.983587	1.001115	0.833554	2.078238	1.989662	2.16783	1.916818	1.766169	1.801384	1.970607	1.90484	1.739782
LINC01694	ENSG00000233922	0.068958	0.954481	0.364272	0.720025	0.765493	-6.61909	0.667115	0.661886	0.512639	0.934951	1.307481	0.830331	1.588238	1.231675	1.445026	2.14259	2.469748	2.30059	2.044674	2.169719	2.18129	2.679583	2.680939	2.464474
RPS28	ENSG00000233927	-0.03914	7.531085	-1.0551	0.305748	0.368174	-7.30348	8.114618	8.094825	8.139482	7.997617	8.128455	7.991018	8.128906	8.105565	8.156717	7.039485	6.990071	7.011677	7.025052	7.011336	7.005657	6.953098	6.894213	6.928161
KRTAP5-AS	ENSG00000233930	0.520241	-1.01729	1.102438	0.285221	0.346325	-5.54462	1.681202	1.849715	1.818408	1.688986	1.437317	1.367251	1.525136	1.367163	1.620777	0.106501	0.106501	0.16959	0.46104	0.345231	0.404558	0.326864	0.2791	0.214669
CTC-338M	ENSG00000233937	-0.47641	2.305824	-2.83058	0.011314	0.019702	-3.5237	2.505419	2.513665	2.848472	1.634586	1.909591	1.757653	2.058296	2.728183	2.501332	3.08079	3.287042	3.247691	3.066031	2.962168	3.032078	2.448672	2.568968	2.610232
UQCRHL	ENSG00000233954	-0.00849	2.814558	-0.11057	0.913216	0.9292	-7.03727	3.19722	2.9974	2.916938	3.162124	2.811499	3.016392	2.933443	2.960209	3.044176	3.036317	3.086546	3.00983	2.95881	3.065945	3.157218	2.890155	2.99751	2.990979
UBE2SP1	ENSG00000233966	-0.93791	0.159462	-3.27025	0.004382	0.008447	-2.12047	1.069823	1.002471	0.898566	0.635873	0.625525	1.188496	1.459147	1.549165	1.674905	1.423238	1.228418	1.538714	0.562188	0.784432	0.957066	1.599785	0.975239	1.504318
EIF2AK3-D	ENSG00000234028	0.496256	0.589603	3.096915	0.006386	0.011854	-2.61506	0.947665	0.940485	0.679585	1.578054	1.373859	1.123626	0.983587	1.231675	1.171446	1.457372	1.725977	1.585733	1.733794	1.681564	1.826726	1.542275	1.513652	1.58715
AL390879.	ENSG00000234062	0.375164	0.104564	1.716151	0.103805	0.142478	-5.03304	1.069823	0.940485	1.146821	1.182548	0.828511	1.188496	1.160105	0.726566	0.833554	0.88529	0.986408	1.248523	1.548989	1.032323	1.550722	0.930351	1.16325	1.222783
AC074117.	ENSG00000234072	0.009043	3.796991	0.101115	0.92061	0.935001	-7.4197	3.041689	3.209365	3.270929	3.06262	3.225109	3.119801	3.158032	3.063581	3.614278	4.73162	4.830703	4.825955	4.792829	4.79096	4.857757	4.298124	4.372311	4.197255
TRIM26	ENSG00000234127	-0.29097	6.001345	-6.43102	5.44E-06	2.34E-05	3.421818	5.797357	5.610278	5.741349	5.404628	5.617385	5.377194	5.701383	5.643348	5.693539	6.603825	6.418004	6.552455	6.238533	6.18892	6.227866	6.550916	6.539501	6.55129
AL035446.	ENSG00000234147	0.422186	3.051605	3.896056	0.00111	0.00248	-1.41114	3.361722	3.169391	2.830836	3.06262	3.225109	3.200652	2.908934	3.141256	3.044176	3.047564	3.106888	3.283783	3.669424	3.799921	3.72061	3.022222	3.204393	3.228839
AL513165.	ENSG00000234160	-0.64781	1.672927	-4.20166	0.000568	0.001372	-0.40442	2.296082	2.232543	2.194417	2.103714	1.996426	1.799787	2.186178	1.85606	2.239236	2.47802	2.531245	2.038602	1.818016	1.793303	1.488568	2.35157	2.146913	2.003758
RNASEH1-	ENSG00000234171	0.156904	3.701084	1.931869	0.069753	0.100164	-5.43068	3.729242	3.872022	3.707702	3.753334	4.1009	4.045196	4.437325	4.290959	4.436456	3.446357	3.330936	3.567612	3.482063	3.568213	3.593499	3.848182	3.705831	3.744016
ZNF879	ENSG00000234284	0.743577	1.673827	6.256202	7.66E-06	3.15E-05	3.671266	1.18244	0.8079	0.512639	0.841981	1.164793	1.367251	1.074544	1.15884	1.38134	3.0698	3.21391	2.957162	3.794228	3.766081	3.665494	3.717885	3.675254	3.466183
ZNF232-AS	ENSG00000234327	-0.39093	2.05162	-2.93777	0.008998	0.016052	-3.01399	3.756787	3.732673	3.717332	3.591402	3.34578	3.485165	3.928981	3.786013	3.879258	1.490718	1.335727	1.60868	0.945898	1.282615	1.046067	1.571317	1.406038	1.273688
USP27X-AS	ENSG00000234390	-0.02063	0.526949	-0.07618	0.94014	0.950821	-6.45608	1.475543	1.915637	1.667608	0.841981	1.556428	1.526279	1.762502	1.301009	1.620777	1.158593	1.07167	1.061592	1.392977	1.357245	1.423614	1.13872	0.69947	1.058313
ZNF37BP	ENSG00000234420	0.255713	2.718173	1.966362	0.065344	0.094516	-5.11261	2.949211	2.886707	2.681399	3.325575	3.574682	3.247073	3.539581	3.521314	3.453254	2.679436	2.687979	2.558044	2.579013	2.467968	2.604018	2.583072	2.680939	2.84714
AL353743.	ENSG00000234424	0.750661	-0.99278	1.295357	0.212046	0.266423	-5.35168	1.286899	1.374745	1.146821	2.291228	1.718467	2.557474	2.607661	2.511284	2.239236	0.269074	0.259702	0.397516	0.294634	0.106501	0.186984	0.183756	0.106501	0.106501
ZNF736	ENSG00000234444	-0.63421	0.155513	-8.63513	1.02E-07	8.05E-07	7.854312	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.015558	4.905185	4.87173	4.36607	4.279275	4.165038	4.591826	4.73304	4.726565
NA	ENSG00000234449	0.540048	3.206469	6.651845	3.54E-06	1.62E-05	4.3928	3.313074	3.196163	3.25779	3.727576	3.747367	3.733615	3.388228	3.431409	3.733845	2.955028	2.969234	2.983737	3.303673	3.560336	3.533199	3.272618	3.034117	3.387478
SP2-AS1	ENSG00000234494	0.384712	0.869625	2.401528	0.027695	0.043795	-4.11205	1.069823	0.736739	1.406977	1.104644	1.164793	1.422231	0.886508	1.082132	0.833554	2.224158	1.922393	1.820066	2.466086	2.21055	2.10048	1.880661	1.82352	2.174206
RPL13AP2	ENSG00000234498	-0.94432	0.179358	-2.14059	0.046678	0.069829	-4.26822	1.959273	1.465573	1.853768	0.395333	1.087782	0.657796	1.762502	2.255906	2.087859	0.982259	0.799097	0.993481	1.088368	0.938214	1.002253	0.930351	0.759002	0.580851
FAM133B	ENSG00000234545	-0.4754	4.605395	-7.0229	1.75E-06	8.87E-06	4.843373	4.921476	4.961437	4.908943	4.227693	4.416469	4.434292	4.974767	5.146277	4.962367	4.660143	4.806033	4.711369	4.376523	4.372183	4.288734	4.588279	4.613145	4.627304
LNCTAM34	ENSG00000234546	-0.17441	0.85488	-0.83132	0.417004	0.482132	-6.20979	1.861169	1.978677	1.706811	1.634586	1.164793	1.367251	1.160105	1.549165	1.0941	1.52331	1.300837	1.413989	1.597456	1.462417	1.550722	1.809319	1.645686	1.504318
CCT6P3	ENSG00000234585	0.420587	1.006231	2.722506	0.014226	0.024184	-3.47582	1.384302	1.327092	1.028027	1.022291	1.164793	1.799787	1.240874	1.082132	1.38134	1.964162	1.725977	1.896649	2.270712	2.344993	2.18129	1.903678	1.766644	1.973284
MCIDAS	ENSG00000234602	0.237154	1.460176	1.267377	0.221647	0.277123	-5.87524	1.681202	1.81559	1.954926	1.688986	1.996426	2.317553	2.226405	2.220554	2.127218	1.98771	1.899254	1.780195	1.954519	1.819936	2.312654	1.948641	1.442809	1.546329
MAPKAPK	ENSG00000234608	-0.00189	4.076287	-0.02102	0.983464	0.986373	-7.36002	4.226185	4.108838	4.095173	4.236852	4.051057	4.308605	4.4712	4.212157	4.355908	4.295234	4.066685	4.209279	4.118714	4.073319	4.213876	4.122857	4.065478	3.698167
C2CD4D-A	ENSG00000234614	-0.31948	1.175372	-2.37574	0.029187	0.045898	-4.64613	0.882475	0.215206	0.598525	0.635873	0.512209	0.461789	0.269385	0.509405	0.256032	3.980092	4.14254	4.079775	3.87509	3.637228	3.68641	4.21775	4.200441	4.439435
JRK	ENSG00000234616	-0.08552	5.585986	-1.04662	0.309532	0.372039	-7.17394	4.837972	4.965333	4.925655	4.171485	4.318753	4.467345	4.606901	4.637703	4.467457	6.59139	6.723178	6.625998	6.774756	6.722017	6.758132	6.488532	6.589551	6.580647
HMGN2P5	ENSG00000234664	-0.20257	2.466917	-2.18372	0.042881	0.064801	-4.73507	2.505419	2.534795	2.492412	2.548252	2.605925	2.532704	2.832807	2.801791	2.798137	2.843296	2.958081	2.920951	2.661114	2.451029	2.675503	3.032701	2.770449	2.928814
ELF3-AS1	ENSG00000234678	0.324252	1.03506	2.176019	0.043537	0.06564	-4.62661	1.336422	1.631689	1.256574	1.326771	1.498102	1.310092	0.670238	0.824004	0.515351	2.204194	2.338281	2.07201	2.566893	2.48471	2.604018	1.970607	2.124453	1.973284
SDCBP2-AS	ENSG00000234684	0.107595	2.982018	1.066169	0.300854	0.362833	-6.622	2.725848	2.636038	2.558197	2.291228	2.460774	2.429135	2.480375	2.916694	2.697131	3.681119	3.786782	3.764372	3.814873	4.154036	3.945482	3.603046	3.705831	3.530388
NUS1P2	ENSG00000234685	0.264842	-0.19252	1.719739	0.103137	0.141679	-5.4635	0.106501	0.106501	0.219246	0.258133	0.25478	0.2349	0.106501	0.253663	0.256032	2.790717	3.106888	2.83599	3.057395	2.962168	3.010124	3.103995	3.127424	3.121769
GAS5	ENSG00000234741	-0.12863	7.955369	-1.09012	0.290461	0.351848	-7.30398	8.746615	8.72978	8.742493	8.267704	8.137439	8.173845	8.42954	8.490262	8.47589	7.417113	7.505906	7.329146	7.720556	7.711534	7.721687	7.116559	7.307021	7.289883
HLA-B	ENSG00000234745	0.438834	9.163559	8.107684	2.50E-07	1.69E-06	6.366834	8.7276	8.755602	8.767044	9.087684	9.128684	9.10259	8.747654	8.811233	8.832077	9.095543	9.100616	9.188068	9.610597	9.660754	9.644928	9.599716	9.603807	9.527907
FOXP4-AS1	ENSG00000234753	-0.96816	-0.04086	-4.24881	0.000512	0.001254	-0.12426	1.384302	0.875715	1.358564	0.841981	0.625525	0.461789	0.415731	1.001115	0.629397	1.586365	1.498542	1.538714	1.054048	0.888753	1.320349	1.13872	1.024588	1.322858
WASH4P	ENSG00000234769	-0.0193	0.204164	-0.08273	0.935003	0.946701	-6.4642	1.430644	1.061904	1.028027	0.52061	0.730585	1.055701	1.074544	0.824004	0.925731	1.278001	1.190799	1.219002	1.420179	1.652223	1.456457	1.482378	1.368306	1.058313
SLC25A25-.	ENSG00000234771	-0.69379	2.540724	-4.93274	0.000117	0.000339	1.04856	3.325391	3.209365	3.745844	3.273122	2.762786	3.119801	3.315502	3.122225	3.162566	2.722179	2.779525	2.615819	1.858352	1.970168	1.923865	2.464239	2.447571	2.507643
RPS3AP6	ENSG00000234797	-0.09724	1.77915	-0.68861	0.500107	0.562418	-6.42665	2.688195	2.71221	2.700947	2.97776	2.333126	2.402038	3.004565	2.848856	2.77354	1.840286	1.616737	1.631268	1.689764	1.710321	1.639204	1.512637	1.707432	1.665483
LINC01239	ENSG00000234840	0.484929	-0.12079	1.73553	0.100243	0.138201	-5.35988	0.318509	0.582935	0.679585	0.106501	0.106501	0.2349	0.415731	0.106501	0.256032	2.18395	2.267764	2.355887	3.004458	3.04352	2.95373	2.384669	2.618024	2.81313
RPL23AP4	ENSG00000234851	-0.10601	2.376083	-0.57752	0.570951	0.630001	-6.64699	3.011517	2.886707	3.217639	3.342644	3.378481	3.200652	3.555458	3.043491	3.357206	2.574485	2.249583	2.213454	1.733794	2.148862	1.667532	2.154563	1.956613	2.302316
AL021392.	ENSG00000234869	0.256009	-1.5539	1.80107	0.088971	0.124322	-4.99177	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.490718	1.875739	1.67541	1.878105	1.652223	1.947161	1.599785	1.795362	1.461048
SNHG20	ENSG00000234912	-0.19722	2.835631	-2.24297	0.038125	0.058345	-4.84678	3.026682	2.9974	2.966237	2.714828	2.398361	2.581827	2.186178	2.451551	2.408535	3.792275	3.5985	3.728156	3.611602	3.614588	3.68641	2.807136	3.022017	3.189613
AC104667.	ENSG00000234949	0.331873	-0.98488	3.6036	0.002112	0.004415	-1.7387	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.444376	2.405511	2.604447	2.770846	2.729118	2.76998	2.554269	2.37332	2.442395
LINC02539	ENSG00000234956	-0.02682	-0.60298	-0.14554	0.88595	0.906703	-6.26197	4.044416	3.983805	3.792147	4.031135	3.683372	4.009735	3.941119	3.935218	3.844255	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC244453.	ENSG00000234998	0.107801	-2.01906	0.66435	0.515136	0.577314	-6.13948	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.278001	1.300837	0.993481	1.336984	1.120667	1.046067	1.099384	1.024588	1.115245
DPP10-AS1	ENSG00000235026	0.351719	0.124743	2.270036	0.036119	0.055514	-4.01261	5.0569	5.091908	5.029808	5.502803	5.33034	5.418344	5.444307	5.388507	5.530627	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ANKRD65	ENSG00000235098	0.545504	-0.97811	2.039966	0.056762	0.083441	-4.56892	0.216396	0.106501	0.219246	0.106501	0.106501	0.2349	0.548589	0.106501	0.256032	1.278001	1.265082	1.439812	1.858352	1.897007	1.695314	2.334732	2.295039	2.350536
BRD3OS	ENSG00000235106	0.690122	4.959511	13.23037	1.54E-10	4.50E-09	14.34226	4.559062	4.501192	4.509652	5.112883	5.279302	5.294884	4.504297	4.603806	4.305329	5.024124	5.019578	5.024594	5.706336	5.70128	5.60033	5.177758	5.08382	5.147478
ZSCAN31	ENSG00000235109	0.50907	4.07197	2.745849	0.013541	0.023137	-3.83504	5.153322	5.455446	5.344527	5.960829	5.681033	5.812316	6.271563	6.196467	6.167064	2.494552	2.453955	2.693003	3.066031	2.729118	2.98783	2.135245	2.827179	2.528753
C12orf75	ENSG00000235162	0.918852	0.520722	2.411694	0.027127	0.042997	-3.72753	3.562366	3.439663	3.607684	4.562385	4.641964	4.48682	3.891945	3.786013	3.82044	0.190076	0.330605	0.397516	0.294634	0.106501	0.263213	0.257084	0.358227	0.214669
SMIM1	ENSG00000235169	0.883505	0.739034	2.660593	0.016204	0.027153	-3.57132	1.12723	1.591918	1.256574	1.326771	0.828511	0.746642	1.160105	1.082132	0.833554	1.586365	1.07167	1.896649	2.683738	2.433888	2.918805	1.419885	1.795362	1.222783
HGH1	ENSG00000235173	0.169985	5.846202	1.863379	0.0793	0.112196	-6.06107	5.100552	5.247194	5.328907	5.809447	5.821441	5.809741	5.535185	5.477302	5.653661	6.179477	6.126994	6.255346	6.045689	6.132932	6.094687	6.374733	6.372058	6.346593
RPL39P3	ENSG00000235174	0.243886	1.336913	1.192378	0.249051	0.307465	-5.88824	1.791852	2.09705	1.921989	2.91067	2.299368	2.196611	2.26554	2.220554	2.309357	1.840286	1.672391	1.413989	1.392977	1.428204	1.580823	1.387593	1.581179	1.170016
PPP1R3E	ENSG00000235194	0.836285	2.084792	5.679768	2.44E-05	8.57E-05	2.60579	1.681202	1.508929	1.78216	2.605941	2.686486	2.845893	2.340763	1.901414	2.471058	2.427256	2.604605	2.355887	2.968056	2.901116	2.846311	2.300453	2.726388	2.549558
AF127577.	ENSG00000235277	0.843828	-0.71159	9.798097	1.61E-08	1.76E-07	9.890751	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.650221	2.714733	2.714318	3.46257	3.428092	3.533199	2.819293	2.95995	3.021085
LINC00957	ENSG00000235314	1.080104	0.110332	4.711992	0.000187	0.000514	0.808187	0.41387	0.410755	0.512639	1.256461	1.612488	1.310092	0.548589	0.726566	0.515351	1.278001	1.55885	1.413989	1.755315	1.793303	1.826726	1.177011	1.442809	1.58715
SNRPGP10	ENSG00000235363	-0.26772	2.200015	-2.38987	0.02836	0.044732	-4.34064	2.345296	2.448351	2.300736	2.021307	1.909591	2.064596	2.340763	2.540248	1.962896	2.679436	2.889287	2.974933	2.661114	2.770668	2.703134	2.935534	2.552239	2.928814
LINC01278	ENSG00000235437	0.50761	4.665701	4.868578	0.000134	0.000383	0.384153	4.749336	4.778666	4.786199	4.988267	4.789085	5.238557	4.772276	4.843429	5.021009	4.355303	4.419586	4.238998	5.102982	4.90419	5.031287	4.127753	4.405289	4.494122
SMIM27	ENSG00000235453	0.178342	1.445583	1.371862	0.18746	0.239097	-5.77352	1.959273	1.81559	1.818408	1.978268	2.03796	1.799787	1.917967	1.809233	1.918715	1.840286	2.095243	1.933468	2.079215	2.169719	2.121111	1.542275	1.581179	2.033602
AC073046.	ENSG00000235499	-0.71051	0.059303	-3.01542	0.007615	0.013841	-2.70415	0.667115	1.118985	0.964748	0.635873	0.512209	0.657796	0.670238	1.082132	1.171446	1.616888	1.752042	1.73919	1.054048	1.393161	1.423614	1.017342	1.024588	1.273688
RPL6P27	ENSG00000235552	-0.03231	2.420588	-0.20946	0.836514	0.864495	-6.83819	2.996191	3.012542	3.044832	3.408969	2.904251	3.136338	3.277716	3.102941	3.306673	2.589954	2.590228	2.152295	2.314863	2.06228	2.257813	1.85727	2.392244	2.06284
AC002310.	ENSG00000235560	-0.3293	0.322069	-2.30452	0.033705	0.052255	-4.2407	0.742531	0.8079	0.756332	0.635873	0.92021	0.830331	0.415731	0.824004	0.515351	2.30136	2.249583	2.055402	1.797417	1.793303	1.970087	1.681967	1.645686	1.370407
AF127577.	ENSG00000235609	0.097019	0.850836	0.529682	0.602996	0.659628	-6.44927	0.882475	1.591918	1.54317	1.182548	1.437317	1.367251	1.317361	1.231675	1.620777	1.586365	1.672391	1.877881	1.689764	1.846087	1.900186	1.627702	1.368306	1.58715
H3P6	ENSG00000235655	0.577764	4.748426	6.522722	4.55E-06	2.01E-05	3.885102	5.064268	5.297514	5.116065	5.941353	5.946666	5.867836	5.35187	5.503276	5.646906	3.980092	3.924944	3.982106	4.191564	4.429515	4.134921	4.062774	4.023613	4.129778
LINC00894	ENSG00000235703	0.379965	0.829135	2.18489	0.042782	0.064672	-4.39173	1.561356	2.009193	1.667608	1.840866	1.953662	2.029614	1.074544	1.231675	1.314712	1.490718	1.529011	1.248523	1.733794	1.793303	1.580823	0.738851	1.118494	1.416439
DICER1-AS	ENSG00000235706	-0.26035	0.795462	-1.04901	0.308463	0.370911	-6.00157	1.475543	1.947501	1.406977	1.104644	1.307481	1.188496	1.317361	1.658879	1.564539	1.490718	1.827525	1.585733	1.689764	1.560439	1.639204	1.214313	0.871168	1.910335
KIAA0040	ENSG00000235750	0.356049	1.821111	2.36516	0.02982	0.046776	-4.40094	1.235614	1.061904	1.088647	0.934951	1.2379	1.367251	1.648695	2.147141	1.918715	2.906434	2.85362	2.957162	3.141522	3.410675	3.263113	3.094024	3.440885	3.509302
OLMALINC	ENSG00000235823	-1.45572	3.267257	-10.3927	6.64E-09	8.44E-08	10.76149	5.272612	5.218099	5.141325	3.791129	3.6964	3.572823	5.021241	4.734864	4.912549	2.990428	2.877496	2.7037	2.009285	1.946191	1.923865	2.115663	2.254246	2.374055

AC006978.	ENSG00000235859	-0.21288	0.600864	-0.91258	0.37388	0.438647	-6.03543	1.519087	1.591918	1.818408	1.457877	1.006428	1.757653	1.317361	1.658879	1.445026	1.158593	1.190799	0.993481	0.907968	1.393161	1.002253	1.419885	1.707432	1.322858
B3GALT4	ENSG00000235863	1.521442	1.586198	12.06552	6.62E-10	1.36E-08	12.95113	1.12723	1.327092	0.964748	1.978268	2.193078	2.22781	1.389995	1.491012	1.777424	1.964162	1.989662	2.136592	3.288992	3.375198	3.177059	2.173627	2.552239	2.06284
LINC00941	ENSG00000235884	-0.82755	2.397749	-2.07995	0.052539	0.077772	-4.708	4.212988	3.888531	3.995797	3.977507	3.988879	3.807755	3.490873	3.786013	3.721038	2.056133	2.135404	2.272125	0.828978	0.612281	0.707101	2.432936	2.392244	2.350536
ASH1L-AS1	ENSG00000235919	0.003717	1.168323	0.027694	0.97822	0.981666	-6.74041	1.336422	1.420874	1.202741	1.022291	1.437317	1.475193	1.074544	1.367163	1.564539	2.392392	2.320972	2.228347	2.452975	2.23054	2.220059	1.926335	1.90484	1.877799
ZNF815P	ENSG00000235944	0.295357	1.562196	1.921298	0.071156	0.101898	-5.30401	0.667115	0.940485	0.421314	1.022291	1.768674	1.367251	0.782422	1.001115	0.925731	3.536933	3.532361	3.332842	3.623353	3.436722	3.608189	3.133504	3.356678	3.410407
TTC28-AS1	ENSG00000235954	-0.10224	1.808683	-0.70377	0.490849	0.55358	-6.5211	1.990546	2.039077	2.274882	1.978268	2.117603	1.993763	2.340763	2.220554	2.408535	2.47802	1.945166	2.546206	2.24051	2.190279	2.257813	1.970607	2.190809	2.14716
VN2R19P	ENSG00000235974	0.34038	-0.74246	3.255182	0.004528	0.008702	-2.59037	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.763691	3.15652	2.948194	3.303673	3.253475	3.177059	2.831347	2.568968	2.79582
AC018816.	ENSG00000235978	-0.69048	-0.99742	-2.51679	0.021861	0.035492	-3.69422	0.41387	0.215206	0.219246	0.258133	0.106501	0.106501	0.106501	0.509405	0.256032	1.787595	1.827525	1.696985	1.573426	1.2438	1.390007	1.542275	1.795362	1.273688
ELFN1-AS1	ENSG00000236081	-0.68804	2.108073	-3.38352	0.003422	0.006761	-2.14578	3.944154	3.82133	3.648527	2.548252	3.112982	3.119801	3.66196	3.250449	3.528681	1.891119	1.616737	1.696985	1.667235	1.495836	1.801384	1.354562	1.581179	1.222783
COX10-AS1	ENSG00000236088	0.05611	2.61748	0.47456	0.640976	0.693145	-7.02804	1.642349	1.708084	1.921989	2.425456	1.768674	2.481849	2.513265	2.290412	1.826075	3.723813	3.748453	3.696374	3.768	3.622174	3.509921	3.762638	3.757829	3.831562
ZBTB22	ENSG00000236104	0.151472	3.823023	2.388684	0.028429	0.044821	-4.8102	3.454357	3.608619	3.668523	3.503067	3.410458	3.711713	3.219115	3.214961	3.181386	4.443094	4.394983	4.503642	4.662213	4.545767	4.775553	4.240529	4.178806	4.051715
TMEM147-	ENSG00000236144	-0.60083	3.259893	-4.12555	0.000671	0.001588	-1.02788	3.792713	3.829904	3.755225	2.181668	2.366112	2.675323	2.545421	2.825515	2.643847	4.207702	4.274276	4.178935	3.960951	4.011117	4.01878	3.407564	3.503143	3.498643
LINC01376	ENSG00000236204	0.122318	0.467559	0.492773	0.628306	0.681982	-6.35854	1.384302	0.8079	1.202741	0.934951	0.828511	1.188496	1.240874	1.367163	1.777424	1.388276	1.335727	1.360915	1.689764	1.528499	1.488568	1.214313	1.513652	0.999041
AC009404.	ENSG00000236255	-0.01982	0.434306	-0.08433	0.933754	0.945706	-6.39928	1.719036	1.631689	1.453818	2.181668	1.437317	1.919272	1.816207	1.549165	1.564539	1.158593	1.152172	0.846782	0.745413	0.7293	1.002253	0.837776	0.69947	1.115245
ZBED5	ENSG00000236287	0.27657	4.913782	5.797268	1.92E-05	6.96E-05	2.308475	4.794334	4.742796	4.621585	4.99368	4.928114	5.033133	5.071794	5.063901	4.973208	4.896201	4.827642	4.811193	5.102982	5.141762	5.082154	5.062316	4.978189	5.204345
GUSBP5	ENSG00000236296	-0.25258	0.244417	-1.01453	0.324171	0.387541	-6.00309	1.235614	0.661886	0.829201	0.258133	1.006428	0.746642	0.886508	0.824004	0.833554	1.490718	1.467416	1.877881	1.621093	1.793303	1.355599	1.627702	1.737342	1.844513
AL513123.:	ENSG00000236347	-0.14187	-1.47088	-0.51814	0.610856	0.667006	-6.25276	0.216396	0.316291	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.256032	1.278001	1.190799	1.248523	1.121891	0.986036	1.209118	1.250674	1.513652	1.170016
VLDLR-AS1	ENSG00000236404	-1.21618	-0.07338	-3.39842	0.003312	0.006564	-1.84788	1.18244	0.661886	0.598525	0.52061	0.92021	1.250575	1.160105	0.915275	1.171446	1.423238	1.616737	1.73919	0.562188	0.550009	0.593579	1.387593	1.289746	1.273688
MFF-DT	ENSG00000236432	-0.1	0.716797	-0.43504	0.668858	0.718551	-6.3554	2.080492	1.708084	2.351095	2.103714	1.996426	1.840725	1.70672	2.290412	1.777424	1.116489	1.228418	0.958181	1.186687	0.7293	1.17005	1.099384	0.816175	0.659518
FAM157A	ENSG00000236438	-0.43709	-0.13185	-1.60621	0.126142	0.169319	-5.40317	0.667115	1.002471	0.898566	0.258133	0.25478	0.3528	0.548589	0.253663	0.106501	2.100009	2.074736	1.951531	1.858352	1.846087	2.200805	1.903678	1.707432	2.003758
AC003092.	ENSG00000236453	-1.85931	-0.65406	-4.38677	0.000379	0.00096	0.247604	3.911847	3.968357	3.678418	1.933905	2.117603	2.098749	4.751751	4.562048	4.956916	0.190076	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
RPL13AP5	ENSG00000236552	-0.08348	1.942356	-0.34233	0.736187	0.77907	-6.67944	2.707144	2.308123	2.933559	3.142765	2.71237	2.557474	3.296733	2.290412	2.723053	2.338465	2.303453	1.718241	1.689764	2.084417	1.639204	1.354562	1.956613	1.910335
PITPNA-AS	ENSG00000236618	0.293109	3.141732	2.739664	0.013719	0.023405	-3.86708	3.041689	2.966631	3.029452	3.273122	3.260629	3.510758	3.219115	3.214961	3.641718	3.446357	3.322263	3.419749	3.599754	3.629721	3.563664	3.022222	3.138674	3.162857
FRGCA	ENSG00000236663	0.243429	-1.79339	1.46948	0.159473	0.207678	-5.38948	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.352446	1.228418	1.562415	1.573426	1.320413	1.610309	1.482378	1.442809	1.058313
MAP3K2-D	ENSG00000236682	-0.16744	0.93369	-0.70329	0.491139	0.553776	-6.30925	2.296082	2.039077	1.921989	1.457877	1.718467	1.310092	1.762502	1.760835	1.171446	1.315703	1.228418	1.653508	1.755315	1.681564	1.580823	1.058946	1.513652	1.170016
ARHGEF38	ENSG00000236699	0.675532	-0.8712	4.434203	0.000342	0.000876	0.015147	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.392392	2.546219	2.497858	3.100071	3.141796	3.206318	2.192442	2.518186	1.973284
LINC01186	ENSG00000236751	-0.1102	0.301044	-0.45505	0.654673	0.705387	-6.34985	0.882475	0.940485	1.202741	0.742604	0.92021	0.657796	1.317361	1.491012	1.38134	1.352446	1.498542	1.333627	1.573426	1.320413	1.488568	1.099384	1.329561	1.115245
MKLN1-AS	ENSG00000236753	0.735738	1.381923	5.206919	6.52E-05	0.000203	1.799158	2.416107	2.206444	1.921989	2.955742	2.926537	2.741673	2.376953	2.451551	2.047395	1.278001	1.265082	1.248523	1.573426	1.560439	1.722572	1.250674	1.406038	1.115245
ELOA-AS1	ENSG00000236810	0.045692	1.438934	0.269334	0.790826	0.82609	-6.70154	1.959273	1.670392	1.453818	1.326771	2.03796	1.188496	1.459147	1.945386	1.826075	2.078238	1.967585	2.314614	2.193986	2.326537	2.382676	2.135245	2.190809	2.14716
CBR3-AS1	ENSG00000236830	0.002496	1.249917	0.013296	0.989542	0.991017	-7.17785	1.069823	1.374745	0.756332	0.106501	0.730585	0.830331	0.548589	0.509405	0.256032	3.914031	3.958911	3.853525	3.979357	4.062207	4.109334	3.171932	3.171908	3.340497
NIFK-AS1	ENSG00000236859	-0.10462	1.538192	-0.65406	0.521584	0.583484	-6.51591	2.137484	1.915637	1.667608	1.578054	1.996426	2.132113	1.389995	1.760835	2.309357	2.18395	2.303453	2.038602	2.178139	2.039797	1.876113	2.095813	2.124453	2.003758
MIR600HG	ENSG00000236901	0.418033	1.238947	2.592501	0.018683	0.030795	-3.63488	2.109269	2.152784	2.079636	2.393052	2.155834	2.429135	1.816207	2.147141	2.376228	1.315703	1.435603	1.061592	1.644349	1.591687	1.580823	1.542275	1.072305	1.416439
GGT8P	ENSG00000236969	-0.04878	-0.75228	-0.21997	0.828444	0.857961	-6.58812	0.41387	0.316291	0.219246	0.106501	0.106501	0.2349	0.106501	0.253663	0.256032	1.940223	2.074736	1.800268	2.193986	2.148862	1.970087	1.809319	1.930959	1.58715
ZNRF2P1	ENSG00000237004	0.508616	0.322187	1.644969	0.11784	0.159407	-5.06068	1.681202	1.915637	1.818408	2.518519	2.549605	1.956998	1.966276	1.85606	2.127218	0.781331	0.583785	0.683459	0.907968	0.986036	0.404558	0.884806	0.504542	0.315289
ZEB1-AS1	ENSG00000237036	-0.3608	1.145251	-2.72238	0.014229	0.024186	-3.53325	1.286899	1.118985	1.62731	1.457877	1.006428	1.055701	1.525136	1.082132	1.0941	2.589954	2.388995	2.409144	2.096181	2.190279	2.18129	2.154563	1.981819	2.14716
ZNF503-AS	ENSG00000237149	0.687544	0.234029	2.839049	0.011112	0.019378	-2.93032	1.755904	1.708084	1.987129	2.359902	2.333126	2.455733	2.576877	2.184314	2.274723	0.7264	0.259702	0.449284	0.562188	0.612281	0.533283	0.517985	0.504542	0.805046
B3GNT9	ENSG00000237172	1.396807	3.497679	6.579093	4.08E-06	1.83E-05	4.236799	3.17016	3.35903	3.176339	5.232173	5.119213	5.283793	3.941119	4.128801	4.093134	2.83033	2.946841	3.00983	3.456014	3.41941	3.281558	3.218571	2.985098	2.896697
NR2F1-AS1	ENSG00000237187	0.331267	3.658652	1.60757	0.125843	0.168965	-6.0669	2.109269	1.978677	2.018628	3.688057	3.820593	3.733615	3.66196	3.083395	3.421943	4.421642	4.45968	4.506699	4.264669	4.390067	4.315833	4.820694	4.92395	4.886383
AC242426.	ENSG00000237188	0.473187	0.208022	2.320967	0.032607	0.050702	-4.1889	0.587539	0.316291	0.598525	0.934951	0.92021	0.746642	0.415731	0.509405	0.735084	1.646779	1.967585	2.021603	2.314863	2.190279	1.749324	1.45147	1.851139	1.877799
CDKN2AIPI	ENSG00000237190	-0.47556	5.335615	-8.73853	8.62E-08	6.99E-07	7.801401	5.570401	5.493717	5.411316	4.881362	4.982309	4.923071	5.162706	5.319175	5.330179	5.591166	5.56295	5.757825	5.229468	5.310903	5.208029	5.659012	5.665153	5.649533
ANO7L1	ENSG00000237276	0.521839	-0.30787	2.779232	0.012618	0.021728	-3.21513	0.41387	0.661886	0.756332	0.395333	0.730585	0.563119	0.548589	0.253663	0.39151	1.388276	1.369793	1.333627	1.818016	1.871771	1.851631	1.250674	1.024588	1.222783
AL691515.:	ENSG00000237283	0.139146	-1.888	0.58474	0.566195	0.625383	-5.97193	1.519087	1.631689	1.358564	1.519216	1.996426	1.367251	2.102195	2.184314	2.376228	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SMG1P1	ENSG00000237296	0.081978	0.695379	0.422912	0.677517	0.726319	-6.40171	1.755904	1.374745	1.54317	1.326771	1.2379	1.422231	1.525136	1.710758	1.314712	1.278001	1.335727	0.958181	1.218025	1.462417	1.610309	1.599785	1.368306	1.461048
TTN-AS1	ENSG00000237298	0.162691	2.811974	2.301727	0.033895	0.052503	-4.86916	1.826927	1.947501	1.921989	2.143217	2.03796	2.164723	1.816207	2.147141	1.50602	4.266643	4.287703	4.190389	4.283307	4.416485	4.444184	3.865871	4.088867	4.094818
GS1-124K5	ENSG00000237310	-0.26431	0.836902	-1.5685	0.134691	0.179273	-5.25849	2.27083	2.403106	2.37563	1.840866	1.768674	2.164723	2.26554	2.220554	2.501332	0.934589	0.941811	0.846782	0.945898	0.938214	1.08859	1.017342	0.871168	1.058313
RNF223	ENSG00000237330	-0.09879	0.654422	-0.53744	0.59774	0.654842	-7.13866	0.503316	0.661886	0.829201	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	4.13575	4.278766	4.518865	4.464081	4.279275	4.265755	4.394709	4.065478	3.856822
FOXD2-AS:	ENSG00000237424	-1.12666	0.617337	-8.13374	2.39E-07	1.62E-06	7.2529	0.882475	1.002471	0.898566	0.52061	0.625525	0.3528	0.548589	0.387194	0.629397	3.036317	2.817048	2.948194	2.112949	2.21055	1.775589	2.400938	2.711397	2.549558
CECR7	ENSG00000237438	-0.03797	0.356469	-0.21346	0.833442	0.861757	-6.74012	0.318509	0.410755	0.598525	0.258133	0.625525	0.563119	0.782422	0.726566	0.256032	2.527059	2.727926	2.447834	2.42639	2.565626	2.513282	2.417026	2.552239	2.200755
ZNF737	ENSG00000237440	0.407764	-0.42773	4.21962	0.000546	0.001326	-0.65781	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.64455	3.647924	3.393562	3.88976	3.86531	4.01878	3.022222	3.256961	3.107809
RGL2	ENSG00000237441	0.943425	5.380879	11.71802	1.05E-09	1.97E-08	12.32327	4.363907	4.287521	4.44736	5.195063	5.114368	5.114677	4.932837	5.028565	5.015776	5.565966	5.693098	5.564514	6.627906	6.565562	6.614559	5.737977	5.904743	5.793844
LINC01409	ENSG00000237491	-0.18759	-0.63036	-0.69253	0.497703	0.560378	-6.22821	0.216396	0.316291	0.323815	0.52061	0.25478	0.106501	0.269385	0.387194	0.629397	1.616888	1.899254	1.413989	1.621093	1.560439	1.355599	1.809319	1.547811	1.844513
WAKMAR2	ENSG00000237499	0.43111	0.521308	1.940798	0.068587	0.098625	-4.64941	2.137484	1.915637	1.921989	2.577385	2.762786	2.317553	2.058296	2.029503	1.620777	0.7264	0.695454	1.126631	0.787801	0.784432	0.812339	0.517985	0.504542	0.734116
LINC00857	ENSG00000237523	-0.60004	3.358215	-5.6783	2.45E-05	8.59E-05	2.34988	3.895419	3.526613	3.270929	2.633943	2.71237	2.629332	3.370387	3.232814	3.357206	4.125171	3.997554	4.012537	3.635009	3.717329	3.629946	3.737235	3.870083	3.725851
AC243919.	ENSG00000237550	0.211521	4.388454	2.211787	0.040564	0.0616	-5.25653	3.27548	2.9974	3.148134	4.041626	3.867423	3.765857	4.000319	3.724251	3.844255	5.309864	5.370266	5.191584	5.291546	5.287239	5.356791	5.304237	5.363378	5.365554
AL365226.:	ENSG00000237643	-0.52901	0.369906	-9.1536	4.40E-08	4.01E-07	8.666153	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	5.235589	5.193714	5.214204	4.645023	4.714951	4.6463	5.306398	5.187669	5.223892
KIFC1	ENSG00000237649	-2.03419	4.334671	-8.11803	2.45E-07	1.66E-06	6.962536	4.516725	4.47956	4.345467	3.840029	3.901574	3.848471	4.504297	4.657666	4.467457	5.546278	5.391149	5.528867	2.802201	2.901116	2.870883	5.375946	5.289597	5.365554
IRGM	ENSG00000237693	-0.24051	-1.36718	-2.02456	0.058469	0.085597	-4.69036	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.100009	2.115463	2.004401	1.711947	1.846087	1.826726	2.095813	2.124453	1.910335
FAM200B	ENSG00000237765	-0.07967	4.703795	-1.09914	0.286619	0.347727	-6.85517	5.443372	5.421814	5.328907	5.245847	5.162106	5.227023	5.060712	5.141559	4.912549	4.327889	4.200477	4.385707	4.34138	4.420842	4.293286	4.078031	4.323851	4.422617
AC022034.	ENSG00000237807	0.885688	1.246529	10.4518	6.09E-09	7.96E-08	10.53802	0.41387	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	6.112774	6.126994	6.089887	7.025052	6.992436	7.046675	6.226292	6.193429	6.260879
LINC00674	ENSG00000237854	0.273713	2.24088	2.155912	0.045295	0.067996	-4.79643	1.826927	1.81559	1.853768	2.548252	2.429905	2.532704	2.226405	2.481727	2.047395	2.763691	3.065914	2.883807	2.83289	2.888589	3.021143	2.77004	2.770449	2.960231
NA	ENSG00000237857	-0.83693	2.267776	-3.38266	0.003428	0.00677	-2.30573	3.520128	3.235413	3.270929	1.840866	1.718467	1.422231	2.513265	2.357042	2.670735	2.843296	2.804649	2.671369	2.626498	2.756951	2.730245	2.625227	2.33471	2.326628
DGUOK-AS	ENSG00000237883	0.17789	0.248765	0.869992	0.396096	0.461216	-6.19098	0.742531	0.8079	0.512639	0.395333	0.92021	0.984419	0.415731	0.824004	0.629397	1.457372	1.725977	1.696985	1.858352	1.652223	1.749324	2.095813	2.169028	2.119598
PRKCQ-AS:	ENSG00000237943	-0.8547	-0.72335	-3.75047	0.001529	0.003299	-1.06853	4.10996	4.190995	4.1812	3.605613	3.112982	3.152687	3.719464	3.592179	3.628063	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC00649	ENSG00000237945	0.251954	3.242214	3.892776	0.001118	0.002495	-1.66173	1.990546	1.81559	1.853768	2.518519	2.117603	2.258349	2.446718	2.147141	2.087859	4.772865	4.732663	4.615496	4.945733	4.837324	4.914999	4.817667	4.687803	4.806527
MTCO1P12	ENSG00000237973	0.798002	3.453525	5.12416	7.77E-05	0.000237	1.384789	4.679091	4.629503	4.55869	5.452586	5.557954	5.404757	5.661594	5.188055	5.59521	2.078238	1.899254	2.088428	2.466086	2.381211	2.276326	2.300453	1.956613	1.910335
KCNMB2-A	ENSG00000237978	0.222725	0.675644	1.32279	0.202952	0.256218	-5.5633	2.137484	2.068355	1.818408	2.359902	2.078331	2.402038	1.966276	1.988058	2.127218	0.982259	0.89579	0.76743	0.828978	0.784432	1.002253	0.789161	0.759002	1.058313
PSME2P1	ENSG00000238000	-0.22487	0.611873	-1.69265	0.108271	0.147866	-5.22165	1.069823	1.118985	0.898566	0.742604	0.828511	0.830331	1.160105	0.915275	1.01237	1.98771	1.8028	1.780195	1.711947	1.897007	1.695314	1.880661	1.795362	2.226823
LINC02257	ENSG00000238042	0.722581	-0.85652	4.832555	0.000145	0.000409	0.857128	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.494552	2.531245	2.604447	3.27416	3.243672	3.263113	2.095813	2.030948	2.277588
AC009133.	ENSG00000238045	0.512524	1.768915	3.963608	0.000957	0.002179	-1.07171	1.719036	1.631689	1.853768	2.021307	1.556428	1.669505	1.525136	1.760835	1.314712	2.708071	2.618839	2.447834	3.332595	3.120528	3.010124	2.417026	2.410923	2.200755
AL691515.:	ENSG00000238054	-0.15488	-0.25039	-0.87764	0.392042	0.456907	-5.90975	4.674285	4.495815	4.429894	4.472198	4.343809	4.308605	4.902122	4.709588	4.934903	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AL355574.:	ENSG00000238058	-0.46794	0.391619	-2.07416	0.053133	0.078536	-4.55298	1.010037	1.173893	1.54317	0.841981	0.512209	0.657796	1.240874	0.824004	0.629397	1.388276	1.827525	1.73919	1.621093	1.681564	1.423614	1.681967	1.82352	1.504318
LRRC37A2	ENSG00000238083	0.03896	1.796496	0.301336	0.766714	0.806403	-6.81504	1.959273	1.508929	2.138168	1.840866	1.817192	1.799787	2.102195	1.605065	1.674905	2.47802	2.727926	2.569785	2.852992	2.657091	2.416453	2.300453	2.465551	2.48622
GOLGA2P5	ENSG00000238105	0.294284	1.356883	2.208037	0.040867	0.062034	-4.64589	1.010037	0.661886	0.964748	1.182548	1.612488	1.367251	0.983587	1.15884	1.171446	2.708071	2.877496	2.911754	3.057395	2.811056	2.930541	2.479639	2.649824	2.649309
AL121904.:	ENSG00000238129	-0.07824	0.182414	-1.47807	0.157183	0.205015	-6.24619	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.58494	4.609763	4.560653	4.531115	4.513497	4.41524	4.942395	4.914163	5.041309
BX284668.:	ENSG00000238142	0.33384	0.040268	1.963931	0.065646	0.094895	-4.82619	0.503316	0.736739	0.679585	0.635873	0.730585	0.461789	0.415731	0.253663	0.39151	1.616888	1.851833	1.73919	1.954519	2.21055	2.036756	2.055273	1.707432	1.775544
TMEM250	ENSG00000238227	0.318604	6.296479	4.720364	0.000184	0.000506	-0.19709	6.309296	6.380424	6.354895	6.386177	6.575269	6.463697	6.391403	6.310139	6.401828	5.885637	5.87162	6.073485	6.480638	6.385602	6.401296	6.413338	6.367284	6.227376
LINC00707	ENSG00000238266	-1.48643	-0.79417	-5.39302	4.42E-05	0.000145	2.257935	4.25866	4.190995	4.16017	2.791417	2.660129	2.581827	4.034706	3.672864	3.879258	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
NCK1-DT	ENSG00000239213	0.083552	0.688296	0.501627	0.62219	0.676735	-6.5402	1.010037	1.061904	1.028027	1.182548	0.92021	0.746642	0.886508	0.824004	1.171446	1.964162	2.174476	2.104662	2.314863	1.970168	2.365487	1.354562	1.613793	1.626848
RNF103	ENSG00000239305	-0.21596	5.048906	-1.9711	0.064759	0.093764	-5.73701	5.79071	5.738755	5.778624	5.250376	5.162106	5.055043	5.109925	5.068879	5.026224	5.12579	5.006104	4.95243	5.15451	5.167914	5.186167	4.315393	4.419196	4.4056
RBM14	ENSG00000239306	-0.57702	6.095927	-8.13274	2.39E-07	1.62E-06	6.65409	6.06494	6.024831	6.097189	5.845818	5.766907	5.722075	6.205178	6.065615	6.109268	6.63957	6.414949	6.500491	5.764537	5.715534	5.756839	6.493282	6.448634	6.489376
Z68871.1	ENSG00000239407	0.127671	0.900267	0.640856	0.52993	0.591613	-6.29157	2.218961	1.374745	1.921989	1.791994	1.996426	1.669505	1.966276	1.809233	2.127218	1.423238	1.07167	1.126631	1.308151	1.528499	1.209118	1.214313	1.16325	1.222783
AC007405.	ENSG00000239467	0.048837	-1.44462	0.273494	0.787679	0.823527	-6.50236	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.388276	1.777644	1.933468	1.711947	1.946191	1.695314	1.759719	1.581179	1.844513
CASTOR3	ENSG00000239521	1.66642	3.851368	16.87786	2.93E-12	2.58E-10	18.40171	2.649532	2.982098	3.044832	4.103016	4.186495	4.096805	2.858632	3.102941	3.289427	4.03198	4.127684	4.04234	5.785607	5.755749	5.795858	3.848182	3.793856	3.984547
MYLK-AS1	ENSG00000239523	0.085492	-0.08975	0.335381	0.74133	0.783814	-6.49555	0.667115	0.875715	0.964748	0.395333	0.25478	0.461789	0.269385	0.622068	0.515351	1.457372	1.435603	1.759838	2.009285	1.819936	2.014873	1.512637	1.478665	1.739782
RPL37P2	ENSG00000239559	0.243959	0.405547	0.913137	0.373595	0.438421	-5.98964	1.336422	1.420874	1.78216	1.933905	2.155834	1.475193	1.240874	1.549165	1.727075	1.028404	1.335727	0.639567	0.787801	1.077171	0.957066	0.738851	1.118494	0.872651
KMT2E-AS:	ENSG00000239569	-0.34485	0.877602	-1.34537	0.195701	0.248141	-5.68297	1.336422	1.465573	1.54317	1.104644	1.164793	1.123626	1.867984	1.710758	1.777424	2.033684	1.644832	2.055402	1.818016	1.738515	1.667532	1.250674	1.442809	0.999041
STPG4	ENSG00000239605	0.631574	-0.6715	4.927778	0.000118	0.000342	0.995732	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.749986	2.912585	2.911754	3.429485	3.536446	3.525482	2.554269	2.568968	2.397196
PRR20G	ENSG00000239620	-0.26487	-0.45893	-1.99003	0.062465	0.090841	-5.11901	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.013555	3.348126	3.526028	2.862939	3.203781	3.177059	3.588914	3.735773	3.444131
AL157392.:	ENSG00000239665	0.381244	1.575962	1.801845	0.088845	0.12417	-5.14976	2.051128	1.670392	2.018628	2.48816	2.117603	2.164723	2.545421	2.184314	2.309357	2.121457	2.23117	1.514616	2.079215	2.039797	2.276326	1.45147	1.513652	1.58715
NME1	ENSG00000239672	-0.46579	5.588787	-8.42243	1.46E-07	1.08E-06	7.265086	6.250766	6.231462	6.151479	5.96359	5.815483	5.867836	6.230122	6.180458	6.143263	5.29814	5.456014	5.322271	4.742532	4.850301	4.735974	5.31071	5.304658	5.335919
TNFSF12	ENSG00000239697	0.020616	0.964612	0.106941	0.916054	0.931567	-6.67752	1.475543	1.226787	1.202741	0.635873	0.92021	0.909432	1.160105	1.430416	1.01237	1.940223	1.989662	1.858866	2.044674	2.148862	2.449456	2.448672	2.601856	2.119598
WBP1	ENSG00000239779	1.099096	2.657285	7.710865	5.00E-07	3.03E-06	6.430885	2.798329	2.576149	2.469799	2.999448	3.378481	3.086148	2.806512	2.676938	2.697131	2.527059	2.485369	2.447834	3.809739	3.410675	3.849837	2.819293	2.601856	2.507643
MRPS17	ENSG00000239789	-0.59053	2.716174	-6.74045	2.99E-06	1.40E-05	4.572803	2.867343	2.870177	2.600444	2.425456	2.264801	2.098749	2.303642	2.255906	2.588518	3.723813	3.668598	3.636224	3.173846	3.366191	2.942182	3.439417	3.307681	3.421736
GET4	ENSG00000239857	-0.00609	0.517616	-0.01906	0.985008	0.987713	-6.45438	1.927307	2.009193	2.138168	1.182548	1.498102	1.422231	1.240874	1.082132	2.047395	0.7264	0.89579	1.094478	1.446877	1.357245	1.51998	1.058946	0.816175	0.805046
PARGP1	ENSG00000239883	-0.2247	1.523357	-1.43542	0.168822	0.218039	-5.68828	2.245129	2.009193	2.138168	2.291228	1.437317	1.956998	1.917967	2.069791	1.873138	1.865926	2.267764	1.933468	1.916818	1.766169	2.036756	1.970607	2.101639	1.703111
C1orf226	ENSG00000239887	-0.85049	2.790517	-8.57681	1.13E-07	8.69E-07	7.83718	3.026682	3.042358	2.865896	1.578054	1.718467	2.064596	1.966276	1.901414	2.127218	4.290508	4.176619	4.307219	3.587808	3.576046	3.707028	3.560228	3.579432	3.601852
ADSL	ENSG00000239900	-0.29695	6.377565	-5.60725	2.83E-05	9.77E-05	1.697026	6.802174	6.926554	6.842391	6.33592	6.401203	6.435578	6.426359	6.273954	6.413815	6.365112	6.38819	6.416014	6.282738	6.23046	6.231428	6.151341	6.097236	6.100942
LINC00888	ENSG00000240024	-0.31723	3.140981	-3.43739	0.003041	0.006096	-2.3411	3.765853	3.676739	3.745844	3.408969	3.574682	3.051692	3.774765	3.685883	3.681923	3.145032	3.106888	3.125724	2.986372	2.938056	2.883013	2.855159	3.034117	3.065099
AMY2B	ENSG00000240038	0.819121	0.571318	3.007729	0.007742	0.014042	-2.74172	1.384302	1.374745	1.358564	1.393812	1.612488	1.714252	1.70672	1.549165	1.50602	1.073118	1.300837	0.884879	1.667235	1.766169	2.058312	0.63264	0.924142	0.805046
PSMB9	ENSG00000240065	-0.09247	4.684924	-1.05955	0.303775	0.366001	-6.98173	4.428132	4.324392	4.087767	3.605613	3.844198	3.722706	4.185161	4.221128	4.372382	5.213289	5.188951	5.265644	5.387698	5.280064	5.280893	5.723497	5.699745	5.647122
NCOR1P1	ENSG00000240108	0.126832	-1.24712	1.125017	0.275795	0.336285	-6.01191	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.100009	1.899254	2.16783	2.209661	2.10622	2.014873	2.154563	2.212266	2.48622
PCDHGC3	ENSG00000240184	1.166523	4.533539	12.42886	4.15E-10	9.29E-09	13.38056	3.765853	3.863696	3.854572	4.350907	4.493129	4.434292	4.164604	4.247712	4.216877	4.182415	4.228596	4.441093	5.644247	5.686883	5.624013	5.18717	5.214498	5.239981
SMKR1	ENSG00000240204	-0.12826	1.076519	-0.469	0.644869	0.696668	-6.3837	3.100204	3.286138	3.013906	2.97776	2.737798	2.605775	1.917967	1.809233	2.501332	0.781331	0.848253	0.76743	1.186687	1.077171	0.910419	1.177011	0.924142	0.734116
CPHL1P	ENSG00000240216	-1.50693	-0.3488	-4.74607	0.000174	0.000483	0.725264	0.106501	0.316291	0.219246	0.258133	0.389229	0.106501	0.106501	0.106501	0.39151	3.013555	3.423044	2.826234	1.473091	1.793303	1.695314	3.43152	3.317614	3.669942
ZNF542P	ENSG00000240225	0.439323	2.641374	6.445555	5.28E-06	2.29E-05	3.474448	0.318509	0.410755	0.219246	0.395333	0.512209	0.2349	0.415731	0.253663	0.106501	7.401857	7.304333	7.404844	7.811002	7.755744	7.860056	7.69758	7.645466	7.680793
COX19	ENSG00000240230	-0.00886	4.332051	-0.13737	0.892309	0.911855	-7.38954	4.387594	4.230384	4.326715	4.367681	4.507984	4.407292	4.659269	4.722281	4.889843	4.242376	4.278766	4.375708	4.203356	4.169652	4.223448	4.438712	4.419196	4.439435
TCAM1P	ENSG00000240280	-0.98608	0.162742	-8.35497	1.64E-07	1.18E-06	7.449187	0.318509	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.30464	4.644965	4.512795	3.691919	3.410675	3.540876	4.704254	4.592839	4.698895
RPS2P5	ENSG00000240342	-0.26828	6.661257	-7.49876	7.32E-07	4.19E-06	5.433437	6.795549	6.820852	6.80449	6.512219	6.564651	6.453835	6.644315	6.656119	6.61411	6.806936	6.803266	6.752444	6.491899	6.550731	6.610916	6.795889	6.762236	6.7271
PPIL3	ENSG00000240344	0.202846	4.800616	2.364892	0.029836	0.046796	-4.93273	4.654895	4.719916	4.574673	4.960893	4.854473	4.879531	5.555064	5.499594	5.485906	4.561593	4.47541	4.569452	4.633447	4.682664	4.715769	4.783949	4.81246	4.96205
RPL23AP7	ENSG00000240356	-0.56166	2.383523	-3.84259	0.001249	0.002749	-1.28106	3.313074	3.335139	3.359697	2.255624	2.549605	2.481849	3.178682	3.023117	3.181386	2.338465	2.437987	2.382761	2.24051	2.50126	2.220059	2.400938	2.33471	2.277588
RPL13P5	ENSG00000240370	0.128391	0.695664	0.96449	0.347956	0.412274	-6.01856	1.430644	1.631689	1.453818	1.578054	1.768674	1.367251	1.459147	1.549165	1.727075	1.199504	1.190799	1.277453	1.365252	1.320413	1.247156	1.250674	1.206659	1.461048
AC010343.	ENSG00000240376	0.084521	0.416356	0.635554	0.533301	0.594677	-6.21949	1.475543	1.327092	1.358564	1.634586	1.498102	1.250575	1.389995	1.430416	1.50602	1.073118	1.07167	0.993481	1.018891	1.16289	1.046067	1.177011	1.024588	1.170016
LRRFIP1P1	ENSG00000240429	0.175911	0.683172	0.951885	0.354135	0.418619	-6.13464	1.010037	0.940485	0.898566	1.182548	1.373859	0.984419	0.886508	1.549165	1.01237	1.787595	1.827525	1.718241	2.096181	1.462417	1.826726	1.903678	1.547811	1.81044
FOXO3B	ENSG00000240445	0.03031	1.713231	0.331323	0.74434	0.78618	-6.8035	1.561356	1.591918	1.706811	1.634586	1.666451	1.623325	1.867984	1.491012	1.620777	2.620402	2.590228	2.615819	2.661114	2.784257	2.449456	2.639009	2.552239	2.760563
LINC00973	ENSG00000240476	-2.721	2.317453	-17.3485	1.86E-12	1.78E-10	18.63631	2.589523	2.356396	2.274882	0.258133	0.730585	0.657796	1.317361	1.491012	1.50602	5.167627	5.072251	5.158919	2.95881	2.671787	2.481722	4.84468	4.917433	4.926702
TM4SF1-A!	ENSG00000240541	-0.33625	0.614791	-1.43204	0.169775	0.219011	-5.52422	1.861169	1.465573	1.406977	0.742604	0.92021	1.188496	1.160105	1.491012	1.314712	1.76051	1.190799	1.585733	1.573426	1.591687	1.639204	1.286141	1.206659	1.416439
AADACP1	ENSG00000240602	-0.36544	0.93993	-0.85317	0.405105	0.470323	-5.9404	4.538049	4.564207	4.429894	3.851999	3.867423	4.121933	5.243334	5.263813	5.041756	0.190076	0.106501	0.16959	0.407676	0.671977	0.263213	0.393424	0.358227	0.409347
ISY1	ENSG00000240682	-0.35167	3.875362	-4.2701	0.000489	0.001202	-0.82612	3.672523	3.777682	3.65856	3.06262	2.881616	3.200652	3.523527	3.335526	3.771595	4.588795	4.758608	4.604122	4.410831	4.565575	4.342433	4.511692	4.542904	4.477932
PNMA2	ENSG00000240694	1.581438	2.096446	10.34646	7.10E-09	8.95E-08	10.67633	0.742531	0.8079	0.756332	2.21912	1.953662	2.481849	1.389995	1.082132	1.01237	2.881509	3.21391	2.883807	4.279599	4.279275	4.389961	4.078031	4.304002	3.897964
ARHGEF25	ENSG00000240771	0.07315	1.849073	0.385024	0.704865	0.752203	-6.54956	3.476616	3.439663	3.688245	3.456785	3.574682	3.26222	3.33403	3.491964	3.357206	0.834246	1.190799	1.305813	1.573426	1.320413	1.488568	0.930351	1.442809	1.170016
PEDS1	ENSG00000240849	-0.38338	6.125024	-6.50036	4.75E-06	2.08E-05	3.596547	6.838076	6.867402	6.926789	6.402548	6.405176	6.287974	6.827098	6.706499	6.830763	5.761354	5.699809	5.799558	5.551958	5.534411	5.473701	5.629975	5.574859	5.544626
RDH14	ENSG00000240857	-0.19461	4.013973	-2.42883	0.026194	0.041732	-4.62508	4.776503	4.719916	4.626705	4.59836	4.293254	4.393601	4.496094	4.59693	4.475104	3.772076	3.682218	3.91004	3.60569	3.752319	3.793113	3.358427	3.587665	3.519884
NDUFB2-A	ENSG00000240889	-0.18377	0.123319	-0.7162	0.483327	0.546788	-6.20732	1.384302	1.118985	1.146821	1.182548	1.006428	1.310092	0.983587	0.387194	0.515351	1.158593	1.265082	1.360915	1.121891	1.120667	1.17005	1.13872	1.442809	1.322858
PLCXD2	ENSG00000240891	0.508943	0.507945	2.247366	0.037793	0.057886	-4.14547	1.602421	1.551021	1.585853	1.74141	1.768674	1.880533	1.762502	2.184314	1.445026	1.116489	0.583785	0.993481	1.336984	1.2438	1.08859	0.738851	0.816175	0.872651
MIF	ENSG00000240972	0.097485	4.763706	1.43481	0.168993	0.21824	-6.4561	4.776503	4.830853	5.002498	4.833866	5.176125	4.884435	5.42715	5.098392	5.33439	4.377757	4.498689	4.405499	4.524863	4.588991	4.448272	4.917167	4.843731	4.771534
TPM3P9	ENSG00000241015	0.092408	3.943426	0.91939	0.370407	0.435217	-6.94465	3.313074	3.042358	3.06005	3.840029	3.630051	3.786958	3.761137	3.856799	3.808383	4.412971	4.55159	4.389024	4.260913	4.331113	4.364231	4.808549	4.687803	4.898598
NSUN6	ENSG00000241058	0.164794	2.633333	1.711399	0.104695	0.143464	-5.65388	2.461454	2.425906	2.221741	2.291228	2.737798	2.719893	2.545421	2.357042	2.501332	3.0698	3.322263	3.400153	3.449427	3.263212	3.412858	2.979529	3.2466	3.176297
YAE1	ENSG00000241127	0.241356	4.027764	3.121753	0.006051	0.011289	-3.27676	4.12413	4.058659	4.019345	4.152252	3.945887	4.256608	4.283766	4.109604	4.380548	3.914031	3.930661	4.003908	4.309002	4.279275	4.284167	3.923315	4.035699	4.094818
CRCP	ENSG00000241258	-0.20686	5.861096	-5.44744	3.95E-05	0.000131	1.42913	6.090422	6.122277	6.10638	5.878371	5.862477	5.942611	5.994216	6.114582	5.978177	5.927333	5.867156	5.850985	5.672801	5.620257	5.751886	5.734772	5.692129	5.754064
WWTR1-A!	ENSG00000241313	0.054271	-0.54905	0.180517	0.858823	0.883384	-6.46081	0.318509	0.582935	0.679585	0.52061	0.389229	0.461789	0.269385	0.509405	0.106501	1.555182	1.228418	1.219002	1.218025	1.738515	1.284217	1.627702	1.67689	1.461048
SUCLG2-A!	ENSG00000241316	-0.05147	0.638674	-0.20649	0.838797	0.866477	-6.39496	2.021155	2.232543	2.248556	2.291228	1.996426	2.098749	1.816207	1.809233	1.674905	0.669294	0.941811	0.884879	0.701742	0.612281	1.247156	0.837776	1.206659	1.058313
RPL36A	ENSG00000241343	-0.21756	1.33548	-1.13243	0.272753	0.33306	-6.03675	1.990546	2.09705	1.853768	1.74141	1.2379	1.840725	1.816207	1.710758	1.50602	2.033684	2.285719	1.562415	2.079215	1.681564	1.947161	1.734264	1.878239	2.119598
CD302	ENSG00000241399	0.609409	3.458974	6.75653	2.90E-06	1.37E-05	4.538522	3.026682	3.100202	2.966237	3.851999	3.796595	3.848471	3.774765	3.956862	3.628063	3.385609	3.431133	3.426222	3.752032	3.90938	3.760608	3.603046	3.68296	3.753014
ATP5MF	ENSG00000241468	-0.04583	5.305315	-0.94094	0.359561	0.424258	-7.13841	5.799565	5.713495	5.724733	5.70112	5.78836	5.759919	5.687041	5.7054	5.836943	4.98955	5.006104	4.976888	4.790225	5.060335	4.85468	4.928434	4.930438	4.942519
PTPRG-AS1	ENSG00000241472	-1.65383	0.973139	-9.86154	1.46E-08	1.62E-07	9.835462	2.109269	2.258179	2.621113	1.326771	1.087782	1.123626	1.588238	1.809233	1.727075	2.078238	1.851833	1.820066	1.054048	1.032323	0.760679	1.734264	1.581179	1.739782

ARPC4	ENSG00000241553	0.18398	6.272538	4.352685	0.000408	0.001023	-1.02102	5.801771	5.772502	5.690917	6.017729	6.089305	6.006972	6.081788	5.965067	5.967373	6.640499	6.579556	6.616123	6.725859	6.739561	6.705311	6.61943	6.62298	6.619292
ARPC1A	ENSG00000241685	0.642941	7.182456	7.264987	1.12E-06	6.06E-06	4.96104	6.65135	6.576571	6.569487	7.522532	7.482199	7.519333	7.740886	7.740192	7.733565	6.825024	6.805602	6.83321	7.225804	7.175015	7.234727	7.332323	7.252399	7.255472
AC002467.	ENSG00000241764	-0.80821	1.117579	-3.41549	0.00319	0.006356	-1.98959	2.392887	2.283367	2.079636	1.393812	1.2379	0.984419	2.058296	1.367163	2.005764	1.676063	1.8028	2.021603	1.755315	1.819936	1.456457	1.599785	1.406038	1.322858
LINC00893	ENSG00000241769	0.981763	0.212313	4.803859	0.000154	0.000432	0.974351	0.882475	0.661886	0.829201	1.104644	0.92021	1.422231	0.782422	0.726566	0.39151	1.616888	1.588084	1.188864	2.145912	2.148862	2.23906	0.738851	1.072305	1.322858
ATP5PO	ENSG00000241837	0.153813	3.793607	2.393179	0.02817	0.044472	-4.68166	3.999005	3.888531	3.871922	3.988393	4.061165	3.982555	4.101117	3.89093	3.856018	3.737768	3.605665	3.834184	3.825085	4.016884	3.916269	3.928936	3.876817	3.779675
PLEKHO2	ENSG00000241839	0.529943	2.441811	4.718655	0.000185	0.000508	0.561066	2.609804	2.49222	2.830836	2.887595	3.188693	2.845893	2.576877	3.083395	2.892531	2.37464	2.320972	2.328504	2.770846	2.850343	2.99902	2.568742	2.33471	2.610232
C8orf58	ENSG00000241852	-0.38964	3.098311	-2.47317	0.023918	0.038483	-4.3672	3.87042	3.863696	3.819232	2.97776	3.112982	2.719893	2.981245	2.981485	3.104585	3.123934	3.175905	3.360144	3.332595	3.320292	3.126936	3.324713	3.307681	3.291935
PISD	ENSG00000241878	0.658759	7.085953	5.938729	1.44E-05	5.46E-05	2.453296	8.422943	8.383218	8.463352	9.310347	9.308346	9.279344	9.32129	9.231246	9.326657	5.14686	5.082559	5.123508	5.322513	5.350262	5.328241	5.175396	5.179522	5.191165
HOGA1	ENSG00000241935	0.044402	0.167079	0.213945	0.833066	0.861494	-6.29103	1.681202	1.849715	1.987129	1.688986	1.666451	2.064596	1.762502	1.658879	2.202855	0.483018	0.640699	0.683459	0.745413	0.484926	0.760679	0.576451	0.637375	0.659518
PWP2	ENSG00000241945	-0.32094	1.411512	-2.77358	0.01277	0.021961	-3.90914	0.216396	0.499412	0.512639	0.395333	0.25478	0.461789	0.415731	0.915275	0.735084	4.61171	4.45175	4.657367	4.431031	4.095289	4.209066	4.492842	4.49993	4.557121
AC109466.	ENSG00000241956	0.809719	-0.63726	3.371784	0.003511	0.006915	-1.84335	3.183753	3.07157	3.148134	4.181007	4.009905	3.722706	3.916741	3.956862	4.08316	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.183756	0.106501	0.106501
PI4KA	ENSG00000241973	0.634895	6.05632	8.604759	1.08E-07	8.39E-07	7.475868	5.394524	5.346137	5.366116	6.352868	6.283111	6.29167	5.994216	5.978357	6.056723	6.037207	6.08018	6.057937	6.491899	6.377781	6.489229	6.288825	6.303737	6.237028
PRR34-AS1	ENSG00000241990	0.457148	0.848481	3.447161	0.002976	0.005982	-1.89901	1.384302	1.226787	1.30847	1.933905	1.718467	1.623325	1.074544	1.549165	1.445026	1.555182	1.498542	1.46518	1.621093	1.766169	1.695314	1.512637	1.406038	1.416439
RPL7AP6	ENSG00000242071	0.054123	1.524604	0.248881	0.806354	0.83911	-6.60664	2.051128	2.308123	2.681399	2.103714	2.490996	2.652511	2.513265	2.511284	2.471058	2.078238	1.588084	1.49011	1.689764	1.681564	1.639204	1.320757	1.766644	0.999041
MUC20-OT	ENSG00000242086	0.171093	2.57401	1.599869	0.127547	0.170947	-5.87924	2.218961	1.780637	2.049454	2.143217	1.718467	2.258349	2.226405	2.451551	1.962896	3.659289	3.554746	3.513924	3.714069	3.695921	3.856005	3.272618	3.476789	3.601852
AMACR	ENSG00000242110	-0.20959	0.664452	-1.27813	0.217916	0.273004	-5.70129	1.519087	1.883052	1.62731	1.104644	1.437317	1.367251	1.160105	1.367163	1.564539	1.388276	1.190799	1.46518	1.446877	1.357245	1.390007	1.387593	1.2488	1.222783
MTFP1	ENSG00000242114	-0.02994	0.495658	-0.1064	0.91648	0.931788	-6.42706	1.069823	1.061904	1.256574	1.688986	1.909591	1.310092	1.648695	1.549165	1.38134	1.116489	1.152172	1.60868	1.054048	0.7293	0.910419	1.320757	1.206659	1.703111
SNHG3	ENSG00000242125	-0.55607	4.745671	-5.262	5.81E-05	0.000184	1.179388	4.744758	4.760843	4.681852	4.456603	4.158524	4.233737	4.629578	4.603806	4.700591	5.516232	5.604673	5.543827	4.863895	4.922739	5.063622	4.574001	4.680124	4.698895
AC093904.	ENSG00000242136	0.746772	-1.18971	7.167464	1.34E-06	7.06E-06	5.576744	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	1.8028	2.004401	2.452975	2.642244	2.574402	2.229352	2.37332	2.174206
ARHGDIG	ENSG00000242173	-1.18337	-1.69587	-3.83174	0.001279	0.002809	-0.85797	2.245129	2.179863	2.700947	1.326771	1.556428	1.188496	1.648695	2.324112	2.34318	0.106501	0.106501	0.16959	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
CRYZL2P	ENSG00000242193	-0.17925	3.027643	-1.34981	0.194302	0.24671	-6.16942	3.643304	3.439663	3.408073	3.020814	2.926537	3.016392	3.405851	3.698786	3.236418	3.236329	3.055486	3.203153	3.303673	3.162755	3.281558	2.794876	2.934355	2.880366
ARFGAP3	ENSG00000242247	0.413614	5.612303	6.906155	2.18E-06	1.07E-05	4.404187	5.177303	5.309824	5.241504	5.842822	5.827376	5.872779	5.157514	5.241941	5.169792	5.75279	5.724702	5.884278	6.043504	6.046769	6.094687	5.63686	5.729813	5.824043
C22orf39	ENSG00000242259	0.545946	3.855005	6.685401	3.32E-06	1.53E-05	4.269325	3.142584	3.516026	3.25779	4.122913	3.784444	4.113606	3.617275	3.659726	3.746538	4.114515	4.186209	4.083875	4.531115	4.51757	4.562043	4.236002	3.961615	4.101878
PEG10	ENSG00000242265	1.802304	7.441183	43.58798	2.80E-19	3.64E-15	34.27327	4.439509	4.366251	4.294909	6.102842	5.905185	6.072885	5.461262	5.293887	5.396113	8.767241	8.786703	8.64951	10.58568	10.51482	10.59554	9.703378	9.691406	9.731103
STAG3L5P	ENSG00000242294	0.809554	1.515915	3.686843	0.001759	0.00375	-1.50203	1.791852	1.849715	2.166567	2.393052	2.078331	2.258349	1.917967	2.324112	1.873138	1.964162	1.967585	1.305813	2.491955	2.657091	2.449456	1.387593	1.2488	1.58715
AC073861.	ENSG00000242299	-0.27319	0.826847	-1.36214	0.19045	0.242455	-5.59133	1.990546	1.591918	1.888281	1.933905	1.556428	1.422231	1.966276	1.549165	1.620777	1.676063	1.369793	1.094478	1.186687	1.120667	1.284217	1.017342	1.478665	1.416439
EIF6	ENSG00000242372	-0.85817	7.009057	-7.13721	1.42E-06	7.39E-06	4.704644	7.356094	7.302656	7.325835	5.89871	6.187154	6.083584	6.143489	6.256606	6.190479	7.783681	7.698321	7.823321	7.265716	7.182731	7.221055	7.595695	7.518264	7.560388
AC093627.	ENSG00000242474	0.643456	0.185248	2.582204	0.019088	0.031397	-3.55049	1.010037	0.499412	0.756332	1.326771	0.730585	0.984419	0.886508	0.915275	1.171446	0.982259	0.89579	1.49011	1.365252	1.622273	1.51998	1.286141	1.442809	1.973284
MRPL20	ENSG00000242485	-0.24733	6.388364	-6.32036	6.75E-06	2.82E-05	3.160333	6.218111	6.221723	6.128204	5.927278	6.005424	5.942611	6.297757	6.109759	6.293548	6.740916	6.823381	6.822209	6.491899	6.566546	6.566478	6.718492	6.737476	6.704087
ARPIN	ENSG00000242498	0.592086	4.378681	10.83984	3.49E-09	5.12E-08	11.18769	3.373632	3.61855	3.270929	4.041626	4.1009	4.062605	3.507292	3.84524	3.771595	4.864753	4.916753	4.909182	5.380791	5.417203	5.517157	5.168285	5.258994	5.239981
HLA-DMB	ENSG00000242574	0.549473	-0.07143	1.859014	0.079946	0.112997	-4.78607	1.12723	1.002471	0.598525	1.393812	0.828511	1.250575	1.074544	1.301009	0.735084	1.028404	1.029669	1.219002	1.336984	1.357245	1.488568	0.517985	0.504542	0.734116
TUBAP13	ENSG00000242575	0.088385	0.985594	0.353277	0.728106	0.772297	-6.70916	1.18244	1.226787	1.028027	1.74141	1.768674	2.132113	0.548589	1.231675	0.39151	2.510897	2.285719	2.243088	2.314863	2.016959	1.947161	1.926335	2.006592	1.739782
DECR2	ENSG00000242612	0.014847	3.965599	0.114748	0.909953	0.926276	-7.27615	4.693417	4.787496	4.883506	4.350907	4.573001	4.400463	4.393833	4.533523	4.570996	3.275122	3.501964	3.619375	3.92342	3.813238	3.933868	3.227721	3.449945	3.254409
NA	ENSG00000242687	-0.24317	0.253604	-0.92481	0.367659	0.432524	-6.04523	0.814199	0.940485	1.146821	1.256461	1.006428	1.310092	0.670238	0.622068	1.314712	1.388276	1.752042	1.360915	0.945898	1.120667	1.320349	1.286141	1.289746	1.739782
CCDC169	ENSG00000242715	-0.38974	1.705335	-3.45942	0.002898	0.005836	-2.01316	2.688195	2.403106	2.579475	2.325974	2.078331	2.258349	2.144798	2.184314	1.826075	2.338465	2.074736	2.272125	2.096181	1.819936	1.900186	1.599785	1.737342	1.703111
RTL5	ENSG00000242732	0.480633	-1.02843	1.105284	0.28402	0.345084	-5.61983	2.798329	2.784561	2.865896	3.51817	3.670226	3.459109	1.762502	1.605065	2.34318	0.190076	0.106501	0.288049	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZNF702P	ENSG00000242779	1.392471	0.067616	19.32693	3.08E-13	4.57E-11	20.54125	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.666603	3.633975	3.549937	5.034222	4.925808	4.975731	4.774615	4.79123	4.844905
AP5Z1	ENSG00000242802	0.282743	5.276377	2.540143	0.02083	0.033965	-4.66262	5.754732	5.754602	5.939499	6.017729	6.008039	6.053425	6.266749	6.157275	6.273953	4.421642	4.570022	4.679211	4.929259	4.90419	4.87608	4.438712	4.534411	4.177341
AL591895.	ENSG00000242861	0.186157	0.541633	1.089112	0.290894	0.352313	-5.93038	1.384302	0.875715	0.898566	1.326771	1.2379	0.984419	0.886508	1.367163	1.244857	1.457372	1.435603	1.514616	1.733794	1.528499	1.390007	1.512637	1.513652	1.703111
MRPL33	ENSG00000243147	-0.19962	6.378945	-1.20241	0.245243	0.30308	-7.05612	6.812054	6.781615	6.755086	6.004384	5.803491	5.830214	6.44991	6.436841	6.502546	6.35383	6.291534	6.411127	6.650335	6.724662	6.797917	6.195146	6.168947	6.179793
MICAL3	ENSG00000243156	-0.36805	5.773214	-4.85734	0.000137	0.00039	0.177499	5.93634	5.924332	5.976061	5.232173	5.367468	5.320436	6.122326	6.097632	6.043926	5.847534	5.89374	5.792059	5.74853	5.637204	5.663227	5.926779	5.951743	5.930982
AC115223.	ENSG00000243199	-0.07535	2.065952	-0.56281	0.580709	0.638641	-6.65071	2.850396	2.61635	2.600444	2.661411	2.660129	2.719893	2.480375	2.184314	2.501332	2.444376	2.303453	1.986992	2.062048	2.250257	2.07955	2.400938	1.956613	2.277588
PCDHAC2	ENSG00000243232	0.43647	1.565585	1.986364	0.062903	0.091403	-4.7925	2.548084	2.258179	2.138168	3.290819	3.012388	2.94309	2.102195	2.420731	2.501332	1.616888	1.644832	1.585733	1.797417	1.428204	1.17005	1.419885	1.581179	1.322858
PRAF2	ENSG00000243279	0.853929	2.768561	7.614587	5.94E-07	3.52E-06	6.226997	2.080492	2.55562	2.558197	3.273122	3.188693	3.136338	2.957542	2.801791	2.376228	2.930935	2.865607	3.052298	3.658044	3.666873	3.68641	3.190769	2.696248	3.006111
AC018638.	ENSG00000243302	-0.42916	1.765086	-3.7169	0.001646	0.003528	-1.51324	2.483604	2.332462	2.514675	2.063099	1.864131	1.919272	1.816207	1.710758	1.826075	2.204194	2.66072	2.435052	2.270712	2.06228	2.23906	2.135245	2.101639	2.14716
STMP1	ENSG00000243317	0.161295	6.228308	2.729196	0.014026	0.023871	-4.48421	6.497937	6.543071	6.431492	6.519742	6.436573	6.491278	6.468897	6.454066	6.57728	5.955969	5.9054	5.878389	6.161037	6.258721	6.254955	5.916914	5.862958	5.8578
KCTD7	ENSG00000243335	2.010186	3.307095	12.0097	7.12E-10	1.44E-08	12.92198	4.381709	4.164126	4.301326	6.37999	6.350594	6.455483	5.527156	5.58894	5.609178	1.423238	1.55885	1.333627	1.99126	2.363215	2.220059	1.734264	1.766644	1.665483
EFNA4	ENSG00000243364	0.794187	3.33016	9.153778	4.40E-08	4.01E-07	8.775721	2.548084	2.61635	2.621113	3.51817	3.574682	3.498018	3.296733	2.916694	3.389938	3.584041	3.569479	3.658388	4.17569	4.288839	4.232958	3.799922	3.612085	3.761956
C4orf48	ENSG00000243449	1.436932	3.282582	6.555951	4.26E-06	1.90E-05	4.188661	2.629805	3.298545	3.522358	4.272916	4.327153	4.130213	3.027514	3.160038	3.289427	2.100009	2.674414	2.992487	3.904282	4.084346	4.232958	4.103106	3.404065	2.863849
NAA80	ENSG00000243477	0.183265	1.939256	1.245087	0.229535	0.285825	-6.13991	2.165157	2.152784	2.274882	2.21912	2.366112	1.993763	1.867984	1.082132	2.087859	2.47802	2.701418	2.660429	3.013417	2.671787	2.833866	2.173627	2.552239	2.174206
AC004967.	ENSG00000243554	0.487156	1.911465	3.426723	0.003113	0.006219	-2.12621	2.320899	2.332462	2.351095	2.933382	2.605925	2.532704	2.01302	2.147141	2.202855	1.732907	1.967585	2.25768	2.683738	2.127698	2.399663	2.192442	2.078458	1.973284
NA	ENSG00000243587	0.745237	0.80788	3.136013	0.005867	0.010978	-2.48559	1.336422	1.002471	1.406977	1.888135	1.996426	2.481849	2.01302	1.85606	1.50602	1.457372	1.228418	1.027938	1.248697	1.320413	1.390007	1.286141	1.118494	1.546329
LINC00880	ENSG00000243629	0.43362	-1.70049	2.220287	0.039885	0.06068	-4.21983	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.239286	1.190799	1.46518	1.838325	1.738515	1.488568	1.320757	1.16325	1.273688
IL10RB	ENSG00000243646	0.444457	3.769328	4.561346	0.000259	0.000686	-0.10574	4.09565	4.15733	3.698006	4.052041	4.204846	4.062605	3.80164	3.786013	3.832397	3.591745	3.647924	3.608031	4.191564	4.326476	4.223448	3.462853	3.440885	3.601852
ZNF487	ENSG00000243660	1.329955	0.514608	6.199005	8.58E-06	3.48E-05	3.807952	1.069823	1.173893	1.088647	2.359902	2.398361	2.258349	1.317361	1.710758	1.445026	0.781331	0.986408	1.158083	1.336984	1.591687	1.247156	0.884806	0.975239	0.659518
WDR92	ENSG00000243667	0.109226	2.273942	1.152886	0.264481	0.324211	-6.26127	2.369288	2.37994	2.351095	2.21912	2.117603	2.605775	2.480375	2.389238	2.165532	2.574485	2.701418	2.693003	2.781373	2.888589	2.80865	2.782512	2.972579	2.760563
AC018638.	ENSG00000243679	-0.11047	1.737667	-0.72285	0.479332	0.54274	-6.5228	2.165157	2.37994	2.5366	2.063099	2.299368	2.346268	2.01302	1.367163	1.962896	2.121457	2.453955	2.120715	2.129525	2.363215	2.014873	1.970607	1.878239	2.252429
DUBR	ENSG00000243701	1.360951	2.807228	10.75248	3.95E-09	5.60E-08	11.27156	2.884092	3.100202	3.013906	4.591236	4.240862	4.480358	3.440463	3.178579	3.60036	2.18395	2.032826	2.07201	2.892375	3.04352	2.98783	2.034568	2.48331	2.397196
NPIPB5	ENSG00000243716	0.122082	2.544955	1.054219	0.306139	0.368583	-6.3761	3.011517	2.91921	2.900124	3.308302	3.151334	3.292047	2.779728	2.894433	2.869505	2.664903	2.779525	2.485514	2.83289	2.307842	2.513282	2.432936	2.392244	2.610232
RPLP0P2	ENSG00000243742	-0.96826	0.564188	-5.22074	6.34E-05	0.000198	1.509288	0.318509	0.410755	0.106501	0.258133	0.25478	0.2349	0.670238	0.509405	0.106501	4.114515	4.097507	4.016833	3.165832	2.950162	3.167173	4.203908	4.023613	3.961444
HLA-L	ENSG00000243753	0.937328	0.210385	4.529184	0.000278	0.00073	0.477433	0.814199	0.8079	1.088647	1.519216	1.768674	1.310092	1.525136	0.824004	1.244857	1.073118	0.799097	0.958181	1.308151	1.320413	1.355599	0.974502	1.2488	0.872651
MRPS6	ENSG00000243927	-0.25723	4.833904	-3.13306	0.005905	0.011037	-3.45642	4.744758	4.860445	4.89628	4.827817	4.752128	4.76722	4.487843	4.467202	4.490278	5.262384	5.133021	5.182053	4.82626	4.804359	4.87608	5.260328	5.115482	5.194471
ZNF512	ENSG00000243943	0.331886	4.281027	3.60224	0.002118	0.004427	-2.3201	4.478633	4.452056	4.388298	4.605448	4.392653	4.293939	4.283766	4.38177	4.364168	4.087524	4.195737	4.15575	4.753268	4.686287	4.642737	4.103106	4.011424	4.143528
AC117386.	ENSG00000243944	0.103826	-0.89973	0.352414	0.728742	0.772799	-6.59403	0.318509	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.387194	0.106501	2.30136	2.372288	2.25768	2.399306	2.48471	2.559363	1.970607	1.547811	1.58715
NFS1	ENSG00000244005	0.373493	5.551311	5.903123	1.55E-05	5.81E-05	2.437874	5.397444	5.300601	5.390399	5.944151	5.690831	5.741121	5.952856	5.896721	5.96466	5.269607	5.334056	5.28358	5.634118	5.534411	5.636606	5.609121	5.489561	5.428683
FAM86DP	ENSG00000244026	0.057316	4.014384	0.735909	0.471548	0.534947	-7.14232	3.810347	3.741788	3.522358	3.591402	3.457132	3.247073	3.523527	3.619579	3.82044	4.476768	4.555295	4.52189	4.823716	4.649638	4.613913	4.644018	4.706825	4.656368
DDOST	ENSG00000244038	0.34834	8.887936	9.581122	2.25E-08	2.29E-07	8.88474	8.517895	8.476264	8.49449	8.796667	8.808875	8.80774	8.53039	8.542642	8.570393	8.96668	8.90577	8.95501	9.331152	9.317772	9.324847	9.243838	9.208662	9.241649
TMEM199	ENSG00000244045	-0.29529	5.191747	-7.58939	6.22E-07	3.65E-06	5.780466	5.304069	5.39028	5.378308	5.12773	5.124043	4.997371	5.183289	5.048863	5.169792	5.435051	5.463921	5.429264	5.113436	5.13912	5.195925	5.208123	5.19577	5.274758
P2RY11	ENSG00000244165	-0.72351	3.201407	-7.85956	3.85E-07	2.43E-06	6.675891	4.206344	4.087546	4.215584	3.325575	3.656958	3.419122	3.965091	4.050434	3.844255	3.226465	3.322263	3.218152	2.706013	2.627242	2.618601	2.75746	2.741225	2.649309
TMEM141	ENSG00000244187	0.358611	4.016848	5.503729	3.51E-05	0.000118	1.859753	3.895419	3.759847	3.62825	4.199863	4.081169	4.079806	4.090259	3.999201	4.189248	3.997596	4.186209	4.075663	4.404034	4.425185	4.394205	4.062774	4.242761	4.216898
IFITM10	ENSG00000244242	0.434994	5.175065	4.408105	0.000362	0.000922	-0.81912	3.919992	3.759847	3.93931	3.472378	3.502343	3.405543	3.941119	3.833587	3.796224	6.362863	6.497192	6.483521	7.080985	7.08318	7.045327	6.786632	6.759506	6.664102
GATA2-AS	ENSG00000244300	0.663558	2.637441	5.425818	4.13E-05	0.000137	1.969824	2.392887	2.55562	2.739267	2.633943	2.991399	2.581827	2.607661	2.676938	2.697131	2.650221	2.980302	2.660429	3.46257	3.637228	3.556108	2.990321	2.881762	2.880366
DUXAP10	ENSG00000244306	0.298711	3.200304	3.258047	0.0045	0.008658	-2.92062	2.649532	2.308123	2.830836	2.548252	2.737798	2.763128	2.806512	2.650616	2.588518	4.13575	3.848485	3.896118	4.131114	4.317159	4.419411	3.945668	3.929587	4.249053
AC024293.	ENSG00000244313	-0.1275	1.712994	-0.78044	0.445574	0.509744	-6.39753	2.109269	2.425906	2.621113	2.103714	2.333126	2.064596	2.376953	2.184314	2.588518	2.078238	2.011405	1.73919	1.818016	1.793303	2.18129	2.135245	1.581179	1.973284
AC116533.	ENSG00000244398	-0.19493	2.857344	-1.21848	0.239234	0.296425	-6.21641	3.738482	3.286138	3.678418	3.688057	3.546181	3.498018	3.774765	3.415864	3.668646	3.102524	2.935512	2.328504	2.491955	2.344993	2.257813	2.300453	2.568968	2.59029
ETV5	ENSG00000244405	-0.4705	5.064197	-2.62079	0.017612	0.029234	-4.43445	5.786261	5.754602	5.764758	5.854769	5.932971	5.855404	5.967764	6.050595	5.875015	4.77625	4.973242	4.864598	3.794228	3.544454	3.644271	4.595365	4.563921	4.515429
AC147067.	ENSG00000244459	0.812991	0.577518	3.638038	0.001958	0.004129	-1.43817	1.642349	1.744817	1.667608	2.063099	1.864131	1.993763	0.886508	1.367163	1.01237	0.7264	0.848253	1.094478	1.711947	1.528499	1.390007	0.974502	1.072305	1.222783
RBM12	ENSG00000244462	-0.15154	7.708932	-2.85572	0.010724	0.018778	-4.36222	7.935384	7.939597	7.948774	7.681071	7.638874	7.707465	8.267292	8.235766	8.163832	7.486424	7.443795	7.455168	7.436967	7.409544	7.403177	7.562181	7.577852	7.598325
OR2A1-AS	ENSG00000244479	0.979055	-1.31004	4.944722	0.000114	0.000332	1.261553	0.216396	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.388276	1.403073	1.839597	2.24051	2.48471	2.382676	1.542275	1.442809	1.665483
APOBEC3C	ENSG00000244509	-0.16959	4.971464	-1.37833	0.185491	0.236988	-6.56645	6.016387	5.885792	6.033084	5.428807	5.454395	5.327654	5.405414	5.458458	5.383978	4.30932	4.327249	4.362268	4.659362	4.627193	4.653399	4.398766	4.283876	4.394143
NA	ENSG00000244567	0.091097	0.73028	0.383566	0.705926	0.753223	-6.47216	1.430644	1.420874	1.585853	1.182548	1.164793	0.984419	1.70672	1.301009	1.50602	1.388276	1.498542	1.538714	1.99126	1.652223	1.900186	1.13872	1.547811	1.058313
MIATNB	ENSG00000244625	0.204091	0.784904	1.146622	0.266994	0.326784	-5.86785	1.602421	1.631689	1.358564	1.519216	1.612488	1.623325	1.389995	1.231675	1.620777	1.239286	1.467416	1.158083	1.667235	1.320413	1.355599	1.833493	1.368306	1.461048
UBE2V1	ENSG00000244687	0.545641	0.807575	2.085695	0.051957	0.077054	-4.56871	1.010037	0.736739	1.256574	1.256461	0.92021	0.830331	1.588238	1.710758	1.564539	1.964162	1.403073	1.360915	1.878105	2.288901	2.161508	1.542275	1.82352	2.091498
PTCHD4	ENSG00000244694	0.682409	0.654872	1.645894	0.117648	0.159162	-5.07068	2.668993	2.655462	3.06005	3.408969	2.970101	2.629332	2.637802	2.916694	3.044176	0.269074	0.259702	0.397516	0.982856	1.120667	1.08859	0.257084	0.637375	0.497646
BX679664.	ENSG00000244716	-0.19293	0.892953	-1.05366	0.306387	0.368851	-5.96201	2.218961	1.947501	2.138168	2.21912	1.864131	1.669505	2.058296	1.605065	1.50602	1.457372	1.112482	1.439812	1.121891	1.560439	1.17005	1.058946	1.118494	0.93723
N4BP2L2	ENSG00000244754	0.137051	5.603146	2.054528	0.05519	0.081289	-5.70584	5.346988	5.291319	5.287484	5.303647	5.152684	5.276352	5.32896	5.473553	5.466856	5.826467	5.95112	5.816905	6.138693	6.087072	6.12437	5.817396	5.768349	5.958469
GABPB1-A	ENSG00000244879	-0.14428	3.275339	-1.74526	0.098494	0.136027	-5.78067	3.520128	3.248262	3.217639	3.041869	3.225109	3.200652	2.752438	3.002451	2.82232	3.991785	3.992097	4.016833	3.819988	3.779712	4.056758	3.123735	3.546022	3.340497
LIFR-AS1	ENSG00000244968	0.064995	0.494381	0.378519	0.709604	0.756616	-6.52785	1.069823	1.118985	0.756332	0.934951	1.087782	1.123626	0.886508	1.082132	0.515351	1.940223	1.945166	1.562415	1.644349	1.819936	1.992654	1.627702	1.442809	1.504318
LINC00847	ENSG00000245060	0.458628	3.630883	7.032633	1.72E-06	8.73E-06	4.937294	3.27548	3.114308	3.309643	3.503067	3.832443	3.584921	2.779728	3.102941	2.892531	4.13047	4.242453	4.033888	4.515435	4.585115	4.617548	4.057652	4.065478	3.961444
MALINC1	ENSG00000245146	-0.21144	0.609875	-0.82648	0.41967	0.484822	-6.12762	1.681202	1.708084	2.018628	1.104644	1.164793	1.669505	1.317361	1.549165	1.727075	1.52331	0.848253	1.188864	1.054048	1.393161	1.580823	1.13872	1.16325	0.999041
RNF139-A	ENSG00000245149	0.098673	0.056317	0.36005	0.723124	0.768159	-6.35805	1.12723	1.061904	0.598525	0.635873	0.828511	0.909432	0.782422	1.367163	1.01237	1.028404	1.190799	1.333627	1.27873	1.320413	1.488568	0.738851	1.289746	1.416439
AC105285.	ENSG00000245213	0.454157	0.91248	1.729758	0.101293	0.139406	-5.08327	2.080492	2.009193	2.300736	1.933905	1.864131	1.956998	1.917967	2.357042	1.564539	0.88529	0.941811	0.958181	1.621093	1.819936	1.667532	1.058946	0.975239	0.872651
USP2-AS1	ENSG00000245248	-0.68936	-0.03639	-2.43825	0.025694	0.041045	-3.84713	1.235614	1.551021	1.667608	0.742604	0.512209	0.909432	0.415731	0.387194	0.515351	1.158593	1.55885	1.413989	1.392977	1.203912	1.08859	1.099384	0.975239	1.461048
AC008393.	ENSG00000245317	-0.16555	-0.00524	-0.51095	0.615777	0.671042	-6.36162	1.18244	1.277811	1.146821	0.934951	0.389229	0.461789	0.886508	0.387194	0.735084	1.199504	1.55885	1.439812	1.573426	1.652223	1.947161	0.930351	1.368306	0.659518
NEAT1	ENSG00000245532	1.161223	6.806794	7.080584	1.58E-06	8.09E-06	4.655118	6.93771	7.011913	7.000618	7.884161	7.55553	7.997255	7.268717	7.412266	7.662504	5.612151	6.065964	5.330922	7.124531	7.119145	7.207854	5.555628	5.906389	6.152853
SCAMP1-A	ENSG00000245556	0.27532	2.994011	1.980721	0.063584	0.092269	-5.29716	2.90065	2.950996	2.812981	2.887595	2.460774	2.94309	2.779728	3.043491	3.143496	3.446357	3.232543	3.641797	3.840269	3.852467	3.916269	3.053433	3.149837	3.121769
FAM111A-	ENSG00000245571	0.676809	1.126069	4.170266	0.000608	0.001456	-0.45128	1.12723	1.277811	1.028027	1.457877	1.718467	1.250575	1.160105	1.15884	1.873138	1.646779	2.174476	1.73919	2.300295	2.467968	2.416453	1.970607	2.006592	2.200755
BDNF-AS	ENSG00000245573	0.17352	-0.05444	0.761628	0.456437	0.520166	-6.21254	0.742531	0.736739	0.898566	0.395333	0.828511	0.563119	0.415731	0.509405	0.515351	1.239286	1.644832	1.158083	1.498836	1.591687	1.775589	1.809319	1.707432	1.546329
KLRK1-AS1	ENSG00000245648	0.23172	-1.12866	0.541729	0.594845	0.652072	-6.25521	0.106501	0.106501	0.421314	0.258133	0.106501	0.106501	0.415731	0.387194	0.515351	1.352446	1.467416	1.514616	1.548989	1.591687	1.826726	1.058946	1.072305	1.322858
ZNF585B	ENSG00000245680	1.321646	4.433405	7.649509	5.58E-07	3.34E-06	6.116794	3.911847	3.99909	3.889066	5.05192	5.024245	5.080903	5.781194	5.795247	5.629879	3.403229	3.562131	3.125724	4.642137	4.739573	4.70214	4.285035	4.237539	4.347382
CRNDE	ENSG00000245694	-0.35256	3.962685	-2.70623	0.014722	0.02493	-4.13072	4.059241	3.786518	3.736403	4.218476	4.051057	4.018682	3.928981	3.761625	3.968647	4.30932	4.435757	4.456986	3.635009	3.819851	3.8186	4.434767	4.242761	4.341429
CEBPA	ENSG00000245848	0.266193	1.282491	1.211248	0.241924	0.299393	-5.74158	2.725848	3.07157	2.900124	3.273122	3.170134	2.885561	3.440463	3.646467	3.628063	0.834246	0.695454	0.54756	0.828978	1.203912	0.533283	1.13872	0.816175	1.115245
RAD51-AS	ENSG00000245849	0.39141	1.220557	1.886047	0.076019	0.108101	-5.10096	1.12723	1.551021	1.30847	0.841981	1.307481	1.422231	1.459147	1.231675	1.314712	2.224158	2.531245	2.228347	2.892375	2.714997	2.833866	1.542275	2.169028	1.775544
SNHG6	ENSG00000245910	0.021793	6.068202	0.465174	0.64755	0.699193	-7.61498	6.1847	6.302485	6.219134	6.33592	6.278786	6.244779	6.462596	6.489769	6.439449	5.853955	5.818649	5.895985	5.76321	5.892207	5.901004	5.882568	5.823417	5.843128
LINC01184	ENSG00000245937	0.483129	5.08075	8.598843	1.09E-07	8.44E-07	7.610956	4.917414	4.778666	4.900514	5.436777	5.53638	5.451761	5.253102	5.380521	5.325957	4.81954	4.86395	4.86698	5.144351	5.289623	5.186167	4.975361	5.060349	5.059556
SEPTIN7P1	ENSG00000245958	-0.32557	2.255901	-2.86983	0.010406	0.018289	-3.36259	2.668993	2.836538	2.739267	2.791417	2.605925	2.317553	2.376953	2.451551	2.697131	2.749986	2.877496	2.422156	2.300295	2.288901	2.433049	2.300453	2.429363	2.464474
RAB30-DT	ENSG00000246067	-0.12648	2.776865	-0.96862	0.34595	0.410306	-6.66552	2.568952	2.76681	2.109199	2.181668	1.612488	2.288255	2.412257	2.650616	2.723053	3.576295	3.774119	3.764372	3.762697	3.606961	3.754018	3.530961	3.476789	3.56145
NUDT16L2	ENSG00000246082	0.206878	2.052742	1.945977	0.067918	0.097822	-5.39157	0.814199	0.875715	0.829201	1.326771	1.164793	1.575618	1.240874	0.915275	1.674905	3.93235	3.975599	4.016833	4.155599	4.084346	3.974116	3.951202	3.903444	3.87342
AC016065.	ENSG00000246089	-0.62271	1.080103	-3.25703	0.00451	0.008676	-2.37145	1.681202	2.009193	1.921989	1.457877	0.92021	0.984419	1.525136	1.001115	1.314712	1.865926	2.032826	2.25768	1.776519	1.652223	2.07955	2.013561	1.930959	1.877799
RRS1-AS1	ENSG00000246145	-0.1036	-0.51518	-0.51787	0.611041	0.667105	-6.27466	0.587539	0.499412	0.512639	0.52061	0.25478	0.3528	0.548589	0.509405	0.515351	1.116489	1.403073	1.46518	1.573426	1.320413	1.284217	1.099384	1.072305	1.170016
KCTD21-A	ENSG00000246174	-0.08133	-0.70175	-0.28589	0.778321	0.815742	-6.56406	0.503316	0.316291	0.421314	0.106501	0.25478	0.106501	0.106501	0.253663	0.256032	1.555182	1.875739	2.198406	2.439743	2.016959	1.900186	1.734264	1.707432	1.58715
AL353807.	ENSG00000246203	-0.53771	1.203016	-2.88084	0.010164	0.017908	-3.09536	1.642349	1.420874	1.585853	1.791994	1.164793	1.123626	2.186178	2.220554	1.777424	2.14259	2.011405	1.915176	1.711947	1.282615	1.639204	2.013561	1.90484	2.091498
UBR5-AS1	ENSG00000246263	-0.09954	1.055905	-0.30014	0.76761	0.807166	-6.59576	2.080492	2.152784	1.78216	0.934951	0.828511	1.188496	1.317361	2.029503	1.564539	1.586365	1.875739	1.67541	2.225168	2.363215	2.330481	1.387593	1.2488	1.58715
SBF2-AS1	ENSG00000246273	-0.2356	1.265524	-1.54679	0.139828	0.185039	-5.44447	2.392887	2.09705	1.888281	1.978268	1.817192	1.993763	2.186178	1.760835	1.777424	1.646779	1.498542	1.839597	1.336984	1.591687	1.695314	1.65509	1.645686	1.461048
PRR7-AS1	ENSG00000246334	-0.89359	-0.09844	-2.67347	0.015772	0.026488	-3.30298	1.235614	1.327092	1.499186	0.395333	0.389229	0.909432	0.983587	1.231675	0.925731	0.934589	1.265082	1.027938	0.828978	1.120667	0.957066	0.686723	1.072305	1.58715
AC138904.	ENSG00000246465	-1.24502	0.36897	-7.46066	7.84E-07	4.46E-06	6.025403	0.41387	0.410755	0.829201	0.258133	0.25478	0.3528	0.106501	0.253663	0.515351	3.50465	3.439177	3.71764	2.529911	2.581279	2.23906	2.990321	3.104657	3.135595
UBE2D3-A	ENSG00000246560	0.429922	0.424602	1.943588	0.068226	0.098186	-4.77191	1.18244	0.661886	1.30847	1.578054	1.612488	1.250575	0.782422	0.726566	0.735084	1.555182	1.435603	1.248523	1.667235	1.357245	1.580823	1.320757	1.513652	1.546329
AC100861.	ENSG00000246582	-0.56326	2.933495	-5.25451	5.90E-05	0.000186	1.489368	3.085796	3.100202	2.966237	2.457149	2.366112	2.374422	2.144798	2.357042	2.376228	3.857636	3.748453	3.999574	3.228726	3.606961	3.502077	3.824254	3.675254	3.761956
RASSF8-AS	ENSG00000246695	0.252876	2.310295	1.617661	0.12364	0.166446	-5.43993	3.86199	3.863696	3.828148	4.020568	3.967543	4.018682	4.205428	4.221128	4.252911	1.158593	1.403073	1.439812	1.621093	1.681564	1.749324	1.286141	1.072305	1.370407
H2AJ	ENSG00000246705	0.230974	4.483578	2.704846	0.014765	0.024994	-4.39536	3.27548	2.76681	3.044832	3.533117	3.747367	3.459109	3.072345	2.825515	2.981126	5.831356	5.734541	5.877208	5.970627	5.978961	5.969444	6.215985	6.18667	6.041596
AP000487.	ENSG00000246889	0.145027	-0.18744	0.619166	0.543794	0.604343	-6.26567	0.318509	0.661886	0.679585	0.635873	0.512209	0.3528	0.782422	0.509405	0.833554	1.315703	1.435603	1.60868	1.838325	1.357245	1.610309	1.320757	1.478665	1.222783
LINC00920	ENSG00000246898	-0.10093	2.684871	-0.75762	0.458775	0.522245	-6.65537	3.643304	3.804029	3.565652	3.376187	3.242978	3.119801	3.137083	2.981485	3.162566	2.461296	2.249583	2.510098	2.614772	2.657091	2.76998	2.384669	2.33471	2.419973
UBAP1L	ENSG00000246922	-0.15356	0.756129	-0.74531	0.465992	0.529418	-6.26132	1.18244	1.508929	1.202741	1.326771	1.556428	1.757653	1.389995	1.367163	1.445026	1.814181	1.8028	1.631268	1.689764	1.077171	1.355599	1.286141	1.289746	1.504318
PGAM5	ENSG00000247077	-0.78871	6.880536	-17.504	1.60E-12	1.62E-10	18.89592	7.212623	7.179767	7.14498	6.168929	6.259165	6.34244	7.097643	7.02609	7.000662	7.218087	7.148708	7.207589	6.566078	6.534742	6.464215	7.194458	7.17392	7.144463
BAALC-AS1	ENSG00000247081	0.307911	0.635065	1.327196	0.201521	0.254592	-5.90117	1.384302	0.875715	0.679585	0.395333	0.512209	0.746642	0.269385	0.915275	0.735084	2.37464	2.074736	2.152295	2.694919	2.784257	2.559363	2.055273	2.500854	2.48622
SNHG10	ENSG00000247092	-0.75662	2.550299	-6.29897	7.04E-06	2.94E-05	3.649919	2.296082	2.283367	2.37563	1.791994	2.078331	1.799787	1.317361	2.255906	2.165532	4.290508	4.265255	4.32811	3.53901	3.731427	3.370406	3.032701	3.182818	2.912845
MIR210HG	ENSG00000247095	-0.11621	0.867995	-0.50569	0.619391	0.67431	-6.43809	0.882475	0.736739	0.898566	1.74141	1.2379	0.909432	1.317361	1.760835	1.50602	1.964162	1.875739	1.653508	1.336984	1.495836	1.488568	2.368215	2.429363	2.687355
AC009126.	ENSG00000247121	-0.26792	-0.31977	-1.11016	0.281972	0.342884	-5.79928	1.069823	0.8079	0.829201	0.258133	0.730585	0.563119	0.415731	0.622068	0.629397	1.028404	1.265082	1.248523	1.392977	1.16289	1.247156	1.099384	1.16325	1.170016
AC090204.	ENSG00000247134	0.270128	3.58316	2.940245	0.00895	0.015987	-3.51465	3.603403	4.12286	3.62825	4.132759	3.901574	4.045196	4.057185	4.009594	4.042563	3.385609	3.339557	3.413246	3.629193	3.544454	3.707028	3.423579	3.267249	3.444131
AP000873.	ENSG00000247137	0.284493	0.711599	1.612776	0.124702	0.167718	-5.33739	1.430644	1.173893	1.088647	1.393812	1.087782	1.575618	1.240874	1.15884	0.925731	1.555182	1.851833	1.585733	2.145912	1.528499	1.923865	1.354562	1.2488	1.58715
UBL7-AS1	ENSG00000247240	-0.36256	1.294095	-2.4103	0.027204	0.043105	-4.18589	1.336422	0.8079	1.453818	1.182548	1.437317	0.984419	1.240874	1.301009	1.314712	2.918737	2.561038	2.615819	2.385571	2.23054	2.23906	2.400938	2.711397	2.507643
ZBED5-AS1	ENSG00000247271	0.213307	3.357898	2.787455	0.012399	0.021394	-3.84145	3.476616	3.647938	3.443319	3.633621	3.6964	3.377995	3.370387	3.26787	3.044176	3.528929	3.612795	3.406715	3.773284	3.86531	3.773698	3.333216	3.394711	3.31642
ZCCHC3	ENSG00000247315	-0.449	5.910257	-7.54588	6.72E-07	3.91E-06	5.596512	6.145295	6.146502	6.160332	5.525403	5.419464	5.451761	5.750487	5.7054	5.725949	6.232183	6.197451	6.232444	5.987775	5.94458	5.931986	6.12954	6.066639	6.08143
LY6E-DT	ENSG00000247317	-0.20848	-0.27786	-0.82584	0.420024	0.485151	-6.27573	0.318509	0.410755	0.512639	0.258133	0.625525	0.3528	0.548589	0.253663	0.106501	1.98771	1.989662	1.877881	1.897591	1.462417	1.923865	2.075685	2.410923	2.033602
DNAJC3-D	ENSG00000247400	0.493706	0.679557	2.735932	0.013828	0.023573	-3.51884	0.318509	0.736739	0.512639	0.841981	1.087782	0.657796	0.886508	1.001115	0.515351	2.263275	2.575707	2.314614	2.638129	2.863205	2.544166	2.095813	2.295039	2.350536

GPRC5D-A!	ENSG00000247498	1.020404	1.486793	8.084947	2.60E-07	1.75E-06	7.175337	1.475543	1.226787	1.54317	2.291228	2.398361	2.196611	1.459147	1.760835	1.727075	1.76051	1.725977	1.820066	2.51737	2.398985	2.416453	2.35157	2.233409	1.973284
MIR4458H(	ENSG00000247516	-0.25993	3.001175	-2.82071	0.011554	0.020076	-3.64903	3.397161	3.209365	3.371944	3.162124	3.170134	3.016392	3.137083	3.160038	3.468658	3.349712	3.30476	3.400153	3.100071	2.997596	3.206318	2.990321	2.755911	3.006111
OIP5-AS1	ENSG00000247556	0.178318	6.714268	1.90503	0.073365	0.104766	-6.06596	6.936707	6.987215	6.957588	7.469129	7.506443	7.463907	6.981981	7.050203	6.981997	6.391835	6.478775	6.334048	6.229912	6.210468	6.254955	6.314817	6.228075	6.346593
CKMT2-AS	ENSG00000247572	-0.14087	2.880654	-0.68862	0.500103	0.562418	-6.90298	3.593253	3.61855	3.511328	2.181668	2.333126	2.581827	2.376953	2.568641	2.34318	3.303547	3.313538	3.360144	3.593793	3.695921	3.886451	3.133504	3.058015	3.065099
TWF2	ENSG00000247596	0.106173	4.491256	1.24914	0.228085	0.284144	-6.71169	4.559062	4.395423	4.498524	4.209199	4.485643	4.130213	4.215456	4.157125	4.288067	4.565511	4.627471	4.763423	5.036421	4.931925	4.836082	4.877024	4.758787	4.694231
MARS2	ENSG00000247626	-0.50152	5.43007	-8.64438	1.01E-07	7.94E-07	7.646744	5.675165	5.839841	5.760107	5.320976	5.326156	5.324049	5.767627	5.905096	5.683673	5.577652	5.500898	5.634668	5.094564	5.029288	4.96721	5.392313	5.31709	5.252725
AC139795.	ENSG00000247679	0.184644	1.195515	0.977668	0.341578	0.405627	-6.01251	2.548084	2.886707	2.621113	2.766336	2.660129	2.429135	2.957542	2.938616	2.869505	0.88529	0.695454	0.846782	1.121891	1.203912	1.209118	1.099384	0.816175	1.058313
STX18-AS1	ENSG00000247708	-0.1315	1.081158	-0.76329	0.455471	0.519314	-6.30432	2.19231	2.179863	1.818408	1.634586	1.556428	1.757653	1.70672	1.549165	1.50602	1.457372	1.55885	1.718241	1.973006	1.591687	1.610309	1.177011	1.406038	1.58715
AC008966.	ENSG00000247796	-0.32434	2.196048	-1.94835	0.067615	0.097463	-5.11177	3.011517	3.012542	2.94999	1.933905	2.229385	2.164723	2.513265	2.147141	2.087859	2.722179	2.453955	2.627101	2.614772	2.824271	2.730245	2.154563	2.429363	2.350536
TMEM161I	ENSG00000247828	0.268864	3.092686	3.270682	0.004378	0.008442	-2.79084	2.833249	2.853456	2.776595	3.237064	2.762786	3.306732	3.004565	3.063581	2.937508	3.479955	3.591299	3.445469	3.623353	3.752319	3.793113	3.358427	3.422593	3.477085
AC022364.	ENSG00000247934	0.995794	0.485539	6.229049	8.08E-06	3.30E-05	3.829904	0.587539	0.661886	0.598525	1.326771	1.087782	1.123626	0.983587	0.509405	0.629397	1.76051	1.335727	1.839597	2.270712	2.190279	2.433049	1.759719	1.981819	1.844513
NRAV	ENSG00000248008	-0.05313	4.866871	-0.65003	0.524126	0.58573	-7.28867	5.364998	5.346137	5.369174	5.26388	4.928114	5.059385	5.414148	5.314991	5.359397	4.623032	4.431731	4.491347	4.737134	4.612034	4.663983	4.469892	4.555551	4.536426
AC005329.	ENSG00000248015	-0.0349	-0.14492	-0.09887	0.922365	0.936368	-6.25564	1.602421	1.327092	1.954926	1.74141	1.864131	1.669505	1.389995	1.760835	1.564539	0.269074	0.695454	0.958181	0.562188	0.345231	0.470356	0.789161	0.358227	0.580851
UBA6-AS1	ENSG00000248049	0.715257	3.547422	11.56475	1.28E-09	2.29E-08	12.33205	2.917019	2.9974	3.133821	3.791129	3.630051	3.848471	3.507292	3.335526	3.271973	3.737768	3.68898	3.733386	4.34138	4.264807	4.398437	3.865871	3.863317	3.823043
NNT-AS1	ENSG00000248092	0.039738	2.764779	0.482427	0.635489	0.688362	-6.99861	2.850396	2.730641	2.600444	2.740812	2.490996	2.825643	2.186178	2.568641	2.501332	3.446357	3.365114	3.373604	3.303673	3.470735	3.637126	3.209363	3.104657	3.189613
AC108174.	ENSG00000248112	-1.55834	-0.95984	-6.15487	9.36E-06	3.74E-05	3.691795	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.256032	2.777267	2.766797	2.957162	1.308151	1.357245	1.749324	2.509956	2.146913	2.442395
RRN3P1	ENSG00000248124	-0.15434	1.481675	-1.04137	0.311893	0.374624	-6.21329	1.826927	1.81559	2.018628	1.840866	1.612488	2.164723	1.317361	1.231675	2.005764	2.224158	2.453955	2.16783	2.24051	1.993753	2.036756	2.034568	2.054898	2.033602
AC097515.	ENSG00000248138	0.507991	-1.79493	3.467018	0.00285	0.005753	-1.75553	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.073118	1.335727	1.305813	1.573426	1.681564	1.456457	1.627702	1.2488	1.322858
ADH1C	ENSG00000248144	0.293194	-0.71732	2.206865	0.040962	0.06216	-4.717	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.236329	3.356645	3.269454	3.469097	3.644697	3.509921	2.317694	2.212266	2.302316
AC010275.	ENSG00000248268	1.063252	-0.95867	8.866989	6.99E-08	5.89E-07	8.456073	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.204194	2.249583	1.951531	3.173846	3.152313	2.895043	2.639009	2.518186	2.79582
TRIM52-AS	ENSG00000248275	-0.52094	2.735984	-4.50907	0.00029	0.000759	0.038523	3.183753	3.260998	3.204003	2.81607	2.926537	2.805104	2.696258	3.232814	3.218306	3.420635	3.096753	3.125724	2.749557	2.467968	2.821313	2.539649	2.741225	2.760563
LUCAT1	ENSG00000248323	-1.48795	0.372756	-6.19023	8.73E-06	3.53E-05	3.791752	1.861169	1.420874	1.54317	0.934951	0.730585	0.984419	1.317361	1.367163	1.918715	1.91588	1.152172	1.413989	0.745413	0.612281	0.651457	1.286141	1.329561	1.703111
CDK11B	ENSG00000248333	0.108772	4.9359	1.785095	0.091611	0.127698	-6.07813	4.357924	4.383825	4.509652	4.584077	4.635214	4.633822	4.293266	3.967564	4.22597	5.554185	5.485444	5.6178	5.650003	5.556356	5.652638	5.570088	5.513525	5.595534
WHAMMP	ENSG00000248334	0.21033	-2.00086	1.0499	0.308065	0.370527	-5.59785	1.642349	1.508929	1.499186	1.688986	1.666451	1.840725	1.762502	1.301009	1.620777	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC008610.	ENSG00000248367	0.742896	1.711842	2.855125	0.010737	0.018799	-3.54869	1.602421	1.374745	1.30847	0.52061	0.828511	0.830331	1.317361	1.549165	1.38134	3.255856	3.269103	3.043904	4.167687	4.274468	4.155068	2.679583	2.908298	2.374055
PCDHAC1	ENSG00000248383	-0.16475	1.651598	-0.6183	0.544353	0.604606	-6.45328	2.19231	2.152784	2.166567	2.143217	2.299368	2.258349	3.050103	3.318907	2.723053	2.056133	1.899254	2.038602	1.755315	1.846087	1.355599	1.387593	1.513652	1.504318
FAM198B-,	ENSG00000248429	0.175066	2.206652	1.021132	0.321119	0.384506	-6.10811	4.345883	4.115866	4.275483	4.654117	4.284653	4.598452	4.479546	4.194045	4.444269	1.239286	1.112482	1.094478	0.828978	1.032323	1.002253	1.13872	1.16325	1.222783
PCP4L1	ENSG00000248485	0.463293	0.164389	4.100727	0.000708	0.001667	-1.14476	0.216396	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.541844	4.580969	4.506699	4.978126	5.180814	4.972896	3.200096	3.511821	3.398988
ABHD14A	ENSG00000248487	0.075151	2.478747	0.897406	0.381698	0.446348	-6.63433	2.296082	2.152784	2.138168	2.359902	2.366112	2.481849	2.01302	2.290412	2.530983	3.303547	3.146729	3.276636	3.236398	3.141796	3.344321	3.083983	3.081525	3.035906
SRP14-AS1	ENSG00000248508	-0.08576	1.900135	-0.70413	0.490631	0.553434	-6.49792	3.011517	2.966631	2.739267	2.766336	2.605925	2.652511	2.376953	2.255906	2.530983	1.76051	1.967585	1.986992	2.079215	1.993753	1.923865	1.903678	1.82352	1.546329
MTATP6P1	ENSG00000248527	0.670769	6.078704	7.062596	1.63E-06	8.33E-06	4.691767	5.926267	5.906205	5.70066	6.717532	6.719451	6.618851	6.735989	6.405702	6.704711	5.744175	5.370266	5.643029	5.968325	6.18892	6.065712	5.741175	5.814676	5.8578
AC022784.	ENSG00000248538	-1.75004	1.662701	-5.27901	5.61E-05	0.000178	2.006258	5.454629	5.507143	5.469462	3.791129	3.441741	3.75519	4.792514	4.759705	4.782996	0.669294	0.524532	0.34382	0.46104	0.26996	0.593579	0.63264	0.924142	0.93723
AC119751.	ENSG00000248583	0.36641	-0.60386	1.184467	0.252086	0.310862	-5.51505	2.137484	2.71221	2.423483	2.661411	2.787348	2.629332	2.186178	2.420731	2.202855	0.190076	0.185134	0.16959	0.171976	0.26996	0.263213	0.106501	0.2791	0.214669
DSTNP2	ENSG00000248593	-0.01882	1.890124	-0.13061	0.897576	0.916499	-6.74608	2.688195	2.332462	2.641489	2.143217	2.57804	2.532704	2.340763	2.623806	2.34318	2.18395	2.032826	1.780195	2.027088	1.846087	2.312654	2.154563	1.90484	2.091498
NA	ENSG00000248632	0.041672	-1.08707	0.430377	0.672182	0.721523	-6.62957	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.356666	2.320972	2.422156	2.385571	2.307842	2.365487	2.568742	2.295039	2.570068
CCDC153	ENSG00000248712	0.67393	0.061664	2.901968	0.009715	0.017209	-3.16492	0.587539	0.316291	0.598525	0.106501	0.625525	0.461789	0.415731	0.253663	0.39151	2.204194	1.945166	1.951531	2.706013	2.850343	2.703134	2.317694	2.254246	2.119598
USP46-DT	ENSG00000248866	0.574143	0.270549	2.967395	0.008444	0.015164	-2.8006	0.742531	1.002471	1.146821	1.256461	1.164793	1.475193	1.240874	1.082132	1.171446	1.278001	1.265082	1.126631	1.573426	1.462417	1.456457	0.974502	0.759002	1.058313
FMN1	ENSG00000248905	0.104744	1.677256	0.697642	0.494578	0.557256	-7.13887	1.069823	1.118985	0.512639	1.326771	0.828511	0.830331	0.106501	0.253663	0.515351	4.373294	4.637993	4.331562	4.546627	4.565575	4.500385	4.345124	4.288934	4.317368
AC046134.	ENSG00000248932	-0.15447	0.120456	-0.63034	0.536628	0.597918	-6.19839	1.519087	1.591918	1.146821	0.934951	1.498102	1.475193	1.074544	1.001115	1.01237	0.88529	1.152172	1.061592	0.656707	1.16289	1.247156	0.686723	0.816175	1.058313
AC008771.	ENSG00000249042	0.309073	2.50579	1.86628	0.078873	0.111636	-5.39177	2.629805	2.674627	2.600444	1.933905	2.229385	2.029614	2.340763	2.324112	2.34318	2.83033	3.086546	3.068941	3.587808	3.68147	3.644271	2.913023	3.009816	2.79582
ZNF436-AS	ENSG00000249087	-0.78534	1.026873	-3.40697	0.00325	0.006458	-1.98051	2.369288	2.356396	2.138168	1.326771	1.437317	1.123626	1.867984	1.760835	1.777424	1.891119	1.699433	1.439812	1.365252	1.710321	1.488568	1.542275	0.975239	1.322858
HAUS5	ENSG00000249115	-0.9138	3.963073	-15.0949	1.83E-11	9.66E-10	16.58204	4.387594	4.080378	4.080323	3.290819	3.278066	3.377995	3.853933	3.924273	4.093134	4.692747	4.709571	4.679211	3.879997	3.793216	3.831176	4.345124	4.357943	4.428245
TMEM150(	ENSG00000249242	0.911143	1.140825	5.940949	1.44E-05	5.44E-05	3.08651	0.667115	0.316291	0.679585	0.635873	0.92021	1.475193	0.415731	1.082132	0.735084	2.881509	2.889287	2.671369	3.520276	3.614588	3.571181	3.022222	3.307681	3.035906
LINC02057	ENSG00000249279	0.575099	0.250238	2.157196	0.045181	0.067846	-4.2809	1.519087	1.551021	1.146821	1.182548	1.2379	1.250575	1.525136	1.430416	1.244857	0.609835	0.799097	0.726056	1.498836	1.2438	1.390007	0.930351	1.206659	0.805046
LINC01088	ENSG00000249307	-0.24774	0.077265	-3.04496	0.007145	0.013097	-3.3315	0.106501	0.215206	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.247262	4.283241	4.286022	3.988472	4.220515	3.996621	4.147172	4.005291	4.122853
ARL2BPP4	ENSG00000249312	0.280969	-0.11835	1.727814	0.101648	0.139828	-5.18849	0.503316	0.410755	0.512639	1.022291	0.512209	0.563119	0.269385	0.253663	0.39151	1.98771	1.699433	1.800268	2.096181	1.846087	1.900186	1.542275	1.547811	1.739782
UGDH-AS1	ENSG00000249348	0.433119	2.206639	3.585545	0.002197	0.004571	-1.97783	2.19231	1.978677	2.558197	2.063099	2.520598	2.346268	1.917967	1.430416	2.047395	2.966925	2.727926	3.026968	3.388755	3.357127	3.486261	2.464239	2.37332	2.528753
NPM1P27	ENSG00000249353	-0.48467	1.677919	-3.27483	0.004338	0.008379	-2.34132	2.589523	2.71221	2.446827	2.359902	2.117603	2.374422	2.446718	2.451551	2.616448	2.163418	1.725977	2.07201	1.365252	1.652223	1.695314	1.681967	1.930959	1.461048
CASC9	ENSG00000249395	0.260999	4.123809	4.727494	0.000181	0.0005	0.168983	4.059241	4.058659	3.922756	4.171485	4.167908	4.170914	4.164604	4.09991	4.063004	4.276236	4.152359	4.124247	4.480326	4.501207	4.456413	4.262954	4.173346	4.428245
AC092834.	ENSG00000249453	0.502853	-0.86727	1.36678	0.189019	0.240913	-5.27867	2.137484	2.068355	2.079636	2.457149	2.03796	2.317553	1.816207	1.988058	1.727075	0.106501	0.259702	0.16959	0.294634	0.345231	0.335616	0.257084	0.106501	0.106501
ZNF286B	ENSG00000249459	0.990512	1.38782	8.325138	1.72E-07	1.23E-06	7.576369	1.286899	1.173893	0.829201	1.688986	1.666451	1.714252	1.867984	1.549165	1.314712	1.891119	1.989662	1.800268	2.661114	2.700737	2.589286	2.539649	2.552239	2.649309
ZNF324B	ENSG00000249471	0.035944	2.974686	0.354465	0.727231	0.7716	-7.2036	1.861169	2.332462	2.274882	1.791994	2.429905	2.196611	2.576877	2.357042	2.202855	4.337085	3.947677	4.197974	4.309002	3.981932	4.288734	4.213151	4.151298	4.150354
LINC01234	ENSG00000249550	0.548755	2.334704	5.479135	3.69E-05	0.000124	1.982149	1.894617	1.420874	1.358564	2.021307	1.817192	2.317553	1.317361	1.367163	1.50602	3.385609	3.470912	3.445469	3.90909	3.946112	3.886451	3.842237	3.675254	3.814473
AC034231.	ENSG00000249572	0.549995	0.128863	2.491443	0.023035	0.037181	-3.76554	0.814199	0.875715	0.964748	0.841981	0.828511	0.563119	0.548589	0.726566	0.925731	1.423238	1.228418	1.027938	1.667235	1.846087	1.947161	1.571317	1.206659	1.504318
AC139887.	ENSG00000249592	0.521387	2.022376	3.981066	0.000921	0.002108	-1.08227	1.12723	1.551021	1.30847	1.519216	1.498102	1.714252	2.226405	1.85606	2.005764	2.881509	3.096753	2.87437	3.27416	3.544454	3.470269	3.200096	3.093137	3.176297
HOXC13-A!	ENSG00000249641	-0.52342	-1.62024	-2.40216	0.027659	0.043753	-3.66717	2.369288	2.534795	2.514675	1.933905	1.864131	2.029614	2.340763	1.809233	2.087859	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
NA	ENSG00000249645	-0.52663	-1.13068	-2.23121	0.039029	0.059523	-4.00298	3.041689	2.950996	2.99819	2.605941	2.762786	2.288255	2.933443	2.938616	2.82232	0.106501	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
NOP14-AS:	ENSG00000249673	-0.63982	4.841166	-3.05568	0.006981	0.01283	-3.60801	5.979843	6.02856	5.927103	4.569652	4.621619	4.531264	4.487843	4.307901	4.404775	4.75239	4.761819	5.020321	4.805779	4.859959	4.888167	4.832737	4.780497	4.551975
AC106795.	ENSG00000249684	1.105537	-1.18014	4.109193	0.000695	0.00164	-0.30702	2.19231	2.152784	2.049454	3.20008	2.926537	3.292047	1.867984	2.290412	2.127218	0.106501	0.106501	0.16959	0.171976	0.190544	0.106501	0.106501	0.106501	0.106501
AC008691.	ENSG00000249738	0.668447	-1.28164	2.517112	0.021847	0.035476	-3.76508	0.106501	0.215206	0.421314	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	1.457372	1.369793	1.585733	2.329284	2.084417	2.036756	1.482378	1.368306	1.115245
AC092490.	ENSG00000249790	0.471812	0.022443	3.704395	0.001692	0.003617	-1.84491	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.256032	3.367773	3.715716	3.70172	4.076593	3.90938	4.25179	4.647431	4.419196	4.311289
PVT1	ENSG00000249859	-0.37564	4.20985	-5.51718	3.41E-05	0.000115	1.866951	4.776503	4.649014	4.652033	4.142539	4.1957	4.34463	4.174919	4.184903	4.279358	4.355303	4.314187	4.278887	4.01993	4.073319	4.035179	4.267397	4.211138	4.249053
AC021106.	ENSG00000249863	0.984102	-0.08606	3.046245	0.007125	0.013065	-2.52098	0.814199	1.277811	1.028027	1.578054	1.373859	1.422231	1.317361	2.255906	1.873138	0.54782	0.462741	0.594297	1.054048	0.837535	1.08859	0.576451	0.433238	0.734116
LINC02742	ENSG00000249867	-2.23043	-0.3568	-8.21139	2.09E-07	1.45E-06	7.060209	2.867343	2.76681	2.681399	1.457877	1.164793	1.250575	2.981245	3.141256	2.981126	0.269074	0.398185	0.54756	0.171976	0.106501	0.106501	0.326864	0.572487	0.580851
PDCD6	ENSG00000249915	-0.00955	7.264617	-0.1011	0.920625	0.935001	-7.85825	7.529131	7.512923	7.580543	7.226357	7.260001	7.325645	7.703968	7.677207	7.691514	6.953156	7.050392	7.006287	7.238277	7.226937	7.238863	6.919613	6.891721	6.908163
GBA3	ENSG00000249948	-0.02943	-0.44504	-0.14081	0.889633	0.909493	-6.77696	0.216396	0.316291	0.219246	0.106501	0.106501	0.461789	0.106501	0.106501	0.39151	2.47802	2.372288	2.693003	2.51737	2.451029	2.716753	2.432936	2.465551	2.226823
TMEM158	ENSG00000249992	-1.33521	1.635621	-7.34835	9.62E-07	5.30E-06	5.907788	3.373632	3.732673	3.638424	2.393052	2.549605	2.346268	3.457463	3.102941	3.421943	1.388276	1.369793	1.585733	0.907968	0.888753	0.593579	1.734264	1.289746	1.58715
YJEFN3	ENSG00000250067	0.520762	0.419443	2.066919	0.053883	0.079525	-4.48823	1.235614	1.061904	1.406977	2.021307	1.817192	1.757653	1.525136	1.491012	0.925731	1.199504	1.300837	1.061592	1.054048	1.357245	1.247156	0.576451	0.816175	1.222783
DNAH10O!	ENSG00000250091	1.645853	0.781989	5.671475	2.48E-05	8.70E-05	2.792346	1.384302	1.374745	1.088647	2.81607	2.85862	3.086148	2.545421	2.069791	1.962896	0.982259	0.799097	0.499259	1.018891	1.032323	1.08859	1.058946	1.329561	1.273688
LINC02377	ENSG00000250102	-0.09965	-1.55018	-0.77889	0.446464	0.510598	-6.20584	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.704765	1.644832	1.820066	1.667235	1.393161	1.639204	1.809319	1.795362	1.942153
PCDHA10	ENSG00000250120	1.055547	0.73584	7.788538	4.36E-07	2.70E-06	6.336742	0.216396	0.316291	0.106501	0.106501	0.106501	0.3528	0.106501	0.106501	0.515351	4.332495	4.467566	4.324649	5.477839	5.430226	5.405959	4.545014	4.517274	4.520707
AC008443.	ENSG00000250222	-0.31451	1.244759	-1.37525	0.186427	0.237971	-5.6134	2.438959	2.61635	2.514675	1.791994	1.864131	1.956998	2.303642	2.623806	2.670735	1.586365	0.986408	1.158083	1.621093	1.462417	1.209118	1.286141	1.329561	1.273688
PKD1P6	ENSG00000250251	-0.34448	2.168205	-2.93892	0.008976	0.016021	-3.1503	3.210562	3.209365	3.270929	2.81607	2.926537	2.998412	2.637802	2.389238	2.892531	2.163418	2.267764	2.120715	2.009285	1.871771	1.923865	2.055273	1.851139	2.14716
AC068647.	ENSG00000250271	-1.37243	-1.53716	-4.75617	0.00017	0.000474	1.002957	3.026682	2.950996	3.013906	1.393812	1.666451	1.799787	2.226405	2.389238	2.408535	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC02762	ENSG00000250303	0.144492	0.853369	0.40101	0.693273	0.740868	-6.42322	2.218961	2.332462	1.888281	1.74141	1.2379	1.526279	1.648695	2.108984	2.239236	0.934589	1.029669	1.061592	1.621093	1.970168	1.826726	1.017342	0.759002	0.93723
ZNF718	ENSG00000250312	-0.40958	3.813326	-5.82355	1.82E-05	6.65E-05	2.503491	3.056542	2.853456	3.347346	2.791417	2.71237	2.805104	3.457463	3.646467	3.143496	4.759247	4.824575	4.811193	4.298046	4.509412	4.394205	5.168285	5.075063	5.21089
SMIM20	ENSG00000250317	-0.12098	5.090998	-1.67995	0.110752	0.150807	-6.15068	5.788487	5.83559	5.935379	5.547654	5.521816	5.599217	5.740105	5.771015	5.839908	4.455814	4.467566	4.615496	4.47385	4.711399	4.653399	4.500412	4.547132	4.483349
EDIL3-DT	ENSG00000250320	1.343199	0.416834	10.90396	3.19E-09	4.73E-08	11.43244	0.503316	0.661886	0.512639	0.841981	0.828511	1.123626	0.548589	0.253663	0.39151	1.865926	2.074736	1.877881	3.074617	3.098942	3.075009	1.903678	1.930959	1.665483
PURPL	ENSG00000250337	-0.02893	-1.05501	-0.12502	0.901936	0.91943	-6.22575	3.361722	3.155816	2.830836	3.21869	2.835252	3.18484	2.832807	3.285084	3.181386	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AACSP1	ENSG00000250420	-0.23915	0.69514	-2.01809	0.059199	0.08656	-5.33825	0.503316	0.316291	0.219246	0.106501	0.389229	0.2349	0.269385	0.253663	0.106501	4.472601	4.514003	4.178935	4.195506	4.179969	4.139984	3.793775	4.005291	3.95366
LRRC37BP1	ENSG00000250462	0.037007	2.673612	0.377378	0.710436	0.757232	-6.83701	3.128595	3.169391	3.119366	3.273122	3.112982	3.26222	3.490873	3.446787	3.614278	2.543041	2.23117	2.522234	2.357702	2.596763	2.312654	2.524879	2.854728	2.668457
CHCHD10	ENSG00000250479	0.266764	4.593784	2.770141	0.012863	0.022105	-4.15841	4.511345	4.440906	4.412214	4.869634	5.049849	4.633822	4.31208	4.238905	4.404775	4.569418	4.580969	4.77868	4.787617	4.78759	4.917949	5.059757	4.833383	4.602629
FAM218A	ENSG00000250486	0.410038	-0.41328	2.509291	0.022202	0.035976	-3.84551	0.216396	0.582935	0.219246	0.258133	0.512209	0.3528	0.269385	0.253663	0.256032	2.056133	1.922393	1.858866	2.162115	2.307842	2.276326	1.482378	1.581179	1.504318
LINC02701	ENSG00000250508	-0.50365	-1.4517	-1.52208	0.145876	0.191971	-5.29934	0.318509	0.106501	0.106501	0.258133	0.106501	0.2349	0.106501	0.106501	0.256032	1.555182	1.725977	1.439812	1.121891	0.986036	1.002253	1.419885	1.118494	1.844513
AC079160.	ENSG00000250546	0.648621	0.501695	3.269395	0.00439	0.00846	-2.20432	0.882475	1.374745	1.146821	1.634586	1.437317	1.623325	1.160105	1.549165	1.171446	1.239286	1.228418	1.126631	1.548989	1.622273	1.390007	1.017342	0.871168	1.546329
ATP6V1E2	ENSG00000250565	-0.54453	3.259994	-6.18704	8.78E-06	3.55E-05	3.456676	3.991296	3.888531	3.995797	3.376187	3.170134	3.335661	3.457463	3.285084	3.389938	3.42926	3.414909	3.555853	3.251622	2.962168	3.096004	3.133504	3.356678	3.30423
GLI4	ENSG00000250571	0.609914	3.237029	7.521253	7.03E-07	4.05E-06	5.913338	2.688195	2.853456	2.558197	2.887595	2.85862	2.94309	2.752438	2.357042	2.846105	3.730807	3.860515	3.900773	4.499582	4.509412	4.546874	3.877544	3.890192	3.734962
LINC01511	ENSG00000250584	0.284956	0.065113	4.705752	0.00019	0.00052	0.221158	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.252132	4.260723	4.282459	4.540442	4.463697	4.588211	4.55958	4.414575	4.731125
NA	ENSG00000250588	0.498504	1.851882	3.51128	0.002586	0.005282	-2.2169	1.755904	1.465573	1.453818	1.182548	1.498102	1.526279	0.886508	1.15884	0.925731	2.955028	3.223257	3.585074	3.974777	3.772912	3.793113	3.272618	2.799093	2.742606
AC012645.	ENSG00000250616	-0.43367	0.151683	-1.72248	0.10263	0.141028	-5.12473	0.882475	1.061904	0.421314	0.934951	0.625525	0.909432	0.415731	0.387194	1.171446	1.814181	1.777644	1.896649	1.392977	1.495836	1.284217	1.599785	1.707432	1.626848
SELENOP	ENSG00000250722	0.487096	2.535516	1.774701	0.093366	0.129911	-5.63219	2.815895	3.07157	3.104764	2.021307	1.817192	1.799787	2.303642	1.85606	1.962896	3.165825	3.414909	3.283783	4.34138	4.284065	4.394205	2.26534	2.447571	2.277588
TPM3P6	ENSG00000250731	0.111932	0.065928	0.449381	0.65868	0.709007	-6.53182	0.587539	0.215206	0.323815	0.742604	0.828511	0.984419	0.548589	0.387194	0.256032	2.163418	2.095243	1.915176	1.897591	1.871771	1.775589	2.135245	1.930959	2.174206
SNHG18	ENSG00000250786	-0.03178	-0.92836	-0.09656	0.924177	0.937941	-6.45483	0.216396	0.215206	0.421314	0.106501	0.106501	0.106501	0.548589	0.387194	0.256032	1.586365	1.435603	1.46518	2.062048	1.622273	1.801384	1.512637	1.406038	1.546329
AC127070.	ENSG00000250790	0.776865	-0.11851	2.718013	0.014361	0.024391	-3.3849	0.503316	0.8079	0.756332	0.742604	1.437317	0.984419	0.670238	0.387194	0.106501	1.52331	1.403073	1.360915	1.858352	2.23054	1.749324	1.017342	1.513652	0.805046
AC125807.	ENSG00000250899	-0.58687	1.73382	-3.21664	0.004925	0.009374	-2.40166	3.487617	3.196163	3.431666	2.425456	2.948483	2.652511	3.158032	3.214961	3.557782	1.239286	1.228418	1.360915	1.498836	1.032323	1.08859	1.45147	1.547811	1.504318
GMDS-DT	ENSG00000250903	0.583438	1.461235	5.335898	4.98E-05	0.000161	1.999072	1.642349	1.849715	1.888281	2.103714	2.155834	2.132113	1.70672	1.710758	1.620777	1.964162	1.8028	1.631268	2.270712	2.398985	2.161508	1.809319	2.006592	1.844513
GLUD1P3	ENSG00000250959	-0.41119	-0.12829	-1.5667	0.13511	0.179697	-5.17154	1.384302	0.8079	1.028027	0.52061	0.625525	0.563119	0.782422	1.231675	1.50602	0.934589	1.029669	0.884879	1.154653	0.837535	1.002253	1.13872	1.289746	1.115245
LINC02600	ENSG00000250986	1.183392	0.100464	3.916009	0.001063	0.002386	-0.75077	1.069823	1.508929	1.088647	2.063099	1.996426	1.475193	2.01302	1.901414	2.047395	0.34397	0.583785	0.594297	1.088368	1.2438	0.862212	0.576451	0.504542	0.580851
ZFPM2-AS:	ENSG00000251003	0.313895	3.375534	2.38375	0.028715	0.045243	-4.57487	3.682132	3.428416	3.371944	4.236852	4.139571	4.218286	3.507292	3.711575	3.513908	3.312899	3.398501	3.225594	3.197622	3.310934	3.225499	3.407564	3.058015	3.352387
THAP9-AS:	ENSG00000251022	-0.17703	4.310004	-2.6203	0.01763	0.029248	-4.40113	4.088441	4.029182	4.255791	3.988393	3.796595	4.009735	4.339849	4.184903	4.170531	4.641707	4.777766	4.711369	4.454245	4.668079	4.546874	4.630284	4.676269	4.96205
AC093866.	ENSG00000251095	-1.32335	0.31784	-2.78418	0.012486	0.021527	-3.04944	5.786261	5.79457	5.835003	4.456603	4.240862	4.379778	4.80585	5.043815	5.052019	0.106501	0.106501	0.106501	0.294634	0.190544	0.186984	0.106501	0.106501	0.106501
AF117829.	ENSG00000251136	0.296211	2.23191	1.589296	0.129918	0.173683	-5.71707	2.744313	2.576149	2.558197	1.933905	1.996426	2.164723	2.186178	1.809233	2.309357	2.494552	2.632935	2.355887	3.074617	3.203781	3.19663	2.782512	2.741225	2.79582
ZNF674	ENSG00000251192	0.220656	2.067225	1.112918	0.280817	0.341648	-6.18771	2.483604	2.534795	2.621113	1.840866	2.299368	2.064596	2.806512	2.596487	2.748518	2.163418	1.945166	1.986992	2.738794	2.686334	2.544166	2.334732	2.429363	2.252429
LINC00923	ENSG00000251209	0.042884	-0.40389	0.191493	0.850347	0.876374	-6.63737	0.41387	0.215206	0.323815	0.258133	0.625525	0.2349	0.415731	0.106501	0.256032	2.056133	2.355385	1.839597	1.858352	2.10622	2.276326	1.809319	2.030948	1.703111
LINC02714	ENSG00000251226	-0.3771	-1.45217	-2.39733	0.027933	0.044137	-3.99853	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.865926	2.095243	2.198406	1.621093	1.591687	1.775589	1.903678	1.581179	2.033602
ZNF345	ENSG00000251247	0.560192	1.284274	2.5233	0.021569	0.035077	-3.87057	1.719036	1.670392	1.818408	1.519216	1.498102	1.669505	1.70672	1.760835	1.918715	1.586365	1.945166	1.696985	2.479079	2.612083	2.481722	1.542275	1.368306	1.58715
AC010457.	ENSG00000251257	-0.6685	-1.19172	-3.57323	0.002257	0.004676	-1.41042	3.19722	3.027527	3.24453	2.548252	2.429905	2.429135	2.957542	2.938616	3.00245	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
SHANK3	ENSG00000251322	0.152114	2.513583	0.873535	0.394215	0.459289	-6.4678	3.313074	3.39414	3.62825	3.21869	3.441741	3.247073	3.072345	3.335526	3.323715	1.865926	2.193623	1.696985	2.385571	2.269709	2.365487	2.706012	2.392244	2.174206
ZNF550	ENSG00000251369	-0.05176	4.476277	-0.61255	0.548061	0.607994	-7.37708	3.903656	3.983805	3.979882	3.487804	3.457132	3.152687	3.66196	3.491964	3.468658	5.504036	5.551865	5.424422	5.657166	5.583812	5.576251	5.31071	5.440404	5.391714
LINC00958	ENSG00000251381	0.006534	0.693039	0.060148	0.95272	0.960883	-7.33275	0.216396	0.215206	0.219246	0.106501	0.106501	0.106501	0.269385	0.106501	0.39151	4.81954	4.739193	4.651854	4.821167	4.749998	4.814076	4.730238	4.568087	4.72199
AIDAP2	ENSG00000251429	0.133333	-0.76822	0.274658	0.786799	0.822825	-6.12168	1.602421	1.744817	1.667608	2.325974	1.817192	1.880533	2.303642	2.029503	1.777424	0.34397	0.398185	0.288049	0.106501	0.26996	0.470356	0.257084	0.19538	0.106501
LINC02615	ENSG00000251432	0.801765	0.719158	3.548376	0.002384	0.004909	-1.58125	1.894617	2.152784	1.78216	2.91067	2.605925	2.629332	2.412257	2.255906	2.309357	0.781331	0.799097	0.807652	0.787801	1.282615	0.957066	0.738851	0.433238	0.734116
RPL32P3	ENSG00000251474	-0.01172	2.658046	-0.10034	0.921218	0.935404	-7.0671	3.183753	3.169391	3.06005	2.81607	2.460774	2.697781	2.376953	2.420731	2.274723	3.186323	3.146729	2.948194	3.339736	3.357127	3.299771	2.706012	2.696248	2.760563
FOXD1	ENSG00000251493	-0.63265	4.301106	-3.52948	0.002485	0.005097	-2.53127	3.58303	3.323044	3.565652	3.887325	3.89028	3.666886	3.523527	3.535768	3.783962	5.162464	5.113047	5.348069	4.337818	4.385617	4.27499	5.936577	5.917862	5.740557
MALAT1	ENSG00000251562	-0.1067	6.838079	-1.00813	0.327148	0.390516	-7.34484	5.648453	6.117033	5.957896	6.067345	5.3917	5.926062	5.628203	5.830848	6.071932	8.052535	8.210858	7.872145	7.906667	7.941168	7.953251	7.406213	7.582494	7.815731
LINC02482	ENSG00000251580	0.593881	0.864107	2.561897	0.019911	0.032661	-3.69547	1.286899	1.465573	1.54317	1.326771	1.768674	1.123626	1.389995	1.491012	1.826075	1.457372	1.300837	1.413989	2.062048	2.190279	2.014873	1.286141	1.478665	1.115245
ABCA11P	ENSG00000251595	-0.35652	-0.12086	-1.47569	0.157815	0.205764	-5.39501	0.742531	0.661886	0.679585	0.742604	0.828511	1.250575	0.415731	0.509405	0.833554	1.52331	1.55885	1.585733	0.982856	0.938214	1.355599	1.177011	1.16325	1.273688
AL928654.:	ENSG00000251602	0.156522	0.632993	0.805121	0.431567	0.49623	-6.1728	1.384302	1.631689	1.453818	1.791994	1.373859	1.422231	1.459147	1.231675	1.01237	1.278001	0.986408	1.413989	1.336984	1.528499	1.247156	1.286141	1.368306	1.626848
AC104825.	ENSG00000251615	2.497248	0.865383	10.70928	4.20E-09	5.87E-08	10.90328	1.384302	1.420874	1.853768	3.408969	3.278066	3.349911	2.058296	1.945386	1.918715	0.54782	0.398185	0.683459	1.99126	1.993753	1.992654	0.457048	1.16325	0.734116
PCDHA12	ENSG00000251664	0.915853	2.512361	9.54893	2.36E-08	2.39E-07	9.503138	2.815895	2.870177	2.758051	3.325575	3.574682	3.377995	2.446718	2.511284	2.643847	2.224158	2.355385	2.53427	3.339736	3.263212	3.335521	2.247458	2.124453	2.06284
FAM86EP	ENSG00000251669	0.262001	3.415097	2.995388	0.00795	0.014379	-3.48513	3.593253	3.114308	3.296854	3.273122	3.426184	3.377995	2.696258	2.981485	2.869505	3.772076	3.793073	3.882059	4.25337	4.028349	4.184772	3.730814	3.842828	3.87342
PCDHGA12	ENSG00000253159	1.048916	1.068587	8.396631	1.53E-07	1.11E-06	7.469229	0.216396	0.499412	0.106501	0.395333	0.25478	0.2349	0.269385	0.622068	0.256032	4.03198	4.045764	4.116262	5.092452	5.180814	4.989822	4.882828	4.633169	4.551975
HOXA10-A	ENSG00000253187	0.333914	-0.78095	1.723492	0.102443	0.140812	-4.86565	3.65311	3.370829	3.500214	3.999198	3.722109	3.828257	3.296733	3.491964	3.453254	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC037459.	ENSG00000253200	0.37562	0.337698	1.777331	0.092919	0.129352	-4.99083	1.235614	1.118985	0.829201	1.104644	1.307481	1.250575	0.782422	1.231675	0.735084	1.586365	1.228418	0.921995	1.365252	1.462417	1.51998	1.354562	1.406038	1.504318
C8orf88	ENSG00000253250	-0.63875	-0.63737	-1.86489	0.079077	0.111891	-4.57968	2.438959	2.61635	2.221741	2.063099	1.666451	1.669505	2.058296	2.650616	2.047395	0.269074	0.259702	0.288049	0.294634	0.345231	0.186984	0.183756	0.19538	0.106501
SHLD3	ENSG00000253251	-0.21757	2.257398	-1.35843	0.191604	0.243686	-5.91436	3.011517	2.71221	2.883112	2.605941	2.460774	2.481849	3.178682	2.894433	3.162566	2.243849	2.355385	2.382761	2.044674	2.596763	2.312654	1.992244	2.518186	2.06284
CCDC71L	ENSG00000253276	0.258392	4.018674	3.648837	0.001912	0.004044	-2.20369	3.613482	3.741788	3.668523	4.031135	4.167908	4.062605	3.632324	3.798055	3.586306	4.247262	4.47541	4.421787	4.561973	4.51757	4.554478	4.500412	4.298997	4.108904
HOXA10	ENSG00000253293	-0.29185	-0.79047	-1.56372	0.135808	0.180474	-5.09422	3.774862	3.768792	3.65856	3.51817	3.260629	3.510758	3.602068	3.351955	3.708117	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PCDHGB6	ENSG00000253305	0.648919	0.658063	3.40538	0.003262	0.006477	-2.13227	0.667115	0.736739	0.598525	0.395333	0.730585	0.657796	1.074544	0.622068	0.833554	2.056133	2.320972	2.16783	2.749557	2.824271	3.032078	2.154563	1.981819	2.507643
C1orf210	ENSG00000253313	0.277787	-0.23508	2.033905	0.057428	0.084281	-5.13417	0.106501	0.106501	0.323815	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	3.403229	3.517242	3.38694	3.778549	3.552417	3.740748	3.053433	3.431768	3.56145
MAILR	ENSG00000253320	-0.12397	1.155786	-0.60083	0.555663	0.615372	-6.43317	2.320899	2.258179	1.987129	1.457877	1.817192	1.799787	1.459147	1.367163	2.127218	1.616888	1.672391	1.49011	1.954519	1.819936	1.639204	1.65509	1.368306	1.170016
TUG1	ENSG00000253352	0.600275	7.555161	7.875933	3.74E-07	2.37E-06	6.04669	6.574748	6.506104	6.612701	7.525338	7.419745	7.535787	7.204716	7.27038	7.282524	7.80206	7.877347	7.740686	8.125425	8.144498	8.178187	8.110333	8.085943	8.150075
TRNP1	ENSG00000253368	-0.16542	1.818297	-0.55518	0.585809	0.643356	-6.51966	3.878801	3.657602	3.638424	3.083078	3.151334	3.152687	2.26554	2.451551	2.239236	1.239286	1.07167	1.248523	1.621093	1.622273	1.851631	1.708352	1.442809	1.546329
NA	ENSG00000253379	0.11275	-1.51959	0.605081	0.552901	0.612695	-6.3549	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.732907	1.875739	1.759838	1.797417	1.897007	2.07955	1.099384	1.289746	1.322858
PCDHGA5	ENSG00000253485	0.082486	0.627262	0.445438	0.661471	0.711635	-6.49661	1.010037	1.061904	0.598525	1.104644	0.92021	1.055701	0.886508	0.824004	1.564539	1.891119	1.945166	1.696985	1.711947	1.993753	1.749324	1.734264	1.766644	2.003758

PCDHGA7	ENSG00000253537	0.325182	-0.49267	1.297002	0.211492	0.265797	-5.56608	0.318509	0.736739	0.323815	0.52061	0.625525	0.657796	0.670238	0.915275	0.256032	1.199504	1.265082	1.094478	1.186687	1.282615	1.355599	1.177011	1.118494	1.058313
FAM86HP	ENSG00000253540	-0.96801	0.924353	-5.30956	5.26E-05	0.000169	1.93848	1.681202	1.551021	1.78216	1.104644	0.828511	1.055701	0.415731	0.915275	1.171446	2.817246	2.405511	2.546206	2.079215	1.946191	1.610309	1.65509	1.981819	1.81044
HOXA-AS2	ENSG00000253552	0.960521	-1.78614	3.325005	0.003888	0.007597	-1.88204	1.519087	1.465573	1.499186	2.291228	2.490996	2.455733	1.389995	2.255906	2.047395	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
NKX2-1-AS	ENSG00000253563	0.698446	-1.35317	5.27943	5.60E-05	0.000178	1.943172	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.787595	1.725977	1.653508	2.439743	2.039797	2.330481	1.784732	2.146913	2.06284
SLC10A5	ENSG00000253598	-0.63127	-0.05745	-2.75994	0.013144	0.022531	-3.15068	1.12723	1.173893	0.756332	0.742604	0.389229	0.563119	1.074544	1.15884	0.833554	0.934589	1.403073	1.188864	0.982856	0.986036	1.046067	1.214313	1.406038	1.58715
AC107959.	ENSG00000253616	-0.8237	0.438464	-2.51515	0.021935	0.035592	-3.63773	2.320899	2.232543	2.351095	0.841981	1.087782	1.310092	1.70672	1.549165	1.873138	0.834246	0.799097	0.993481	1.218025	1.120667	0.862212	1.058946	0.816175	0.805046
EIF5AL1	ENSG00000253626	-0.30048	2.080883	-1.41437	0.17482	0.224806	-5.79354	2.668993	2.179863	2.621113	2.714828	2.811499	2.605775	2.884002	2.568641	2.959482	2.650221	2.753956	1.986992	1.838325	1.766169	1.749324	2.055273	2.212266	2.374055
GASAL1	ENSG00000253669	-1.66507	1.210458	-4.46931	0.000317	0.00082	0.307494	3.810347	3.686213	3.638424	1.840866	1.556428	1.526279	3.094248	2.848856	2.530983	1.116489	1.112482	1.094478	1.154653	1.2438	1.002253	1.177011	0.69947	0.805046
ALG11	ENSG00000253710	-0.21817	3.185161	-2.51993	0.02172	0.035298	-4.28998	3.349713	3.505362	3.217639	3.142765	3.132285	3.069023	3.507292	3.491964	3.421943	3.599408	3.423044	3.426222	3.205461	3.503965	3.234995	3.358427	3.32748	3.228839
MINCR	ENSG00000253716	-0.20242	3.288113	-1.87656	0.077377	0.109824	-5.55146	3.373632	3.370829	3.044832	2.864145	2.660129	3.103073	3.19904	2.825515	3.357206	3.831846	3.936355	4.140085	3.942308	3.766081	3.910354	3.470581	3.595851	3.519884
ATXN7L3B	ENSG00000253719	0.012778	7.312983	0.447825	0.659781	0.710084	-7.7878	6.886677	6.84854	6.856623	6.8048	6.807642	6.821621	6.749855	6.809724	6.776094	7.80786	7.807991	7.814713	7.863967	7.845166	7.903131	7.806546	7.783116	7.817876
PRKDC	ENSG00000253729	-0.8142	8.524987	-11.4158	1.57E-09	2.67E-08	11.66559	8.223919	8.281412	8.375605	7.552183	7.615058	7.84963	7.92555	7.883406	7.83511	9.584364	9.732826	9.376804	8.600185	8.572183	8.639735	9.199185	9.079985	9.202979
PCDHGA6	ENSG00000253731	0.217376	1.458671	1.566353	0.135192	0.179788	-5.62397	1.384302	1.002471	1.30847	1.519216	1.498102	1.422231	1.074544	1.491012	1.777424	2.620402	2.604605	2.243088	2.614772	2.50126	2.633039	2.464239	2.465551	2.830235
OTUD6B-A	ENSG00000253738	-0.41772	5.041365	-6.68629	3.32E-06	1.53E-05	4.06339	4.871956	4.893538	4.772407	4.40878	4.42432	4.372816	4.845133	4.917048	4.895553	5.709189	5.622444	5.776944	5.280456	5.296751	5.354615	5.384153	5.358575	5.397464
LNCOC1	ENSG00000253741	-0.62365	2.153939	-3.65234	0.001897	0.004016	-1.62807	3.142584	2.730641	2.916938	2.577385	2.991399	2.763128	2.908934	2.916694	3.044176	2.605258	2.42184	2.447834	1.573426	1.897007	1.488568	1.992244	2.146913	2.06284
UTP14C	ENSG00000253797	0.216656	4.790635	2.784525	0.012477	0.021514	-4.11762	4.825019	4.804995	4.921495	5.307999	5.270617	5.331249	5.324334	5.174263	5.197793	4.61171	4.547875	4.554757	4.642137	4.442428	4.550681	4.504182	4.600995	4.597643
PCDHGA1(	ENSG00000253846	1.184906	3.429828	11.49949	1.40E-09	2.45E-08	12.27972	2.780548	2.935191	2.776595	4.263984	4.222966	4.249025	3.953155	3.84524	3.628063	2.955028	3.086546	3.141546	3.932895	3.958151	3.773698	3.530961	3.562824	3.679412
PCDHGA11	ENSG00000253873	1.357433	1.447932	11.40275	1.60E-09	2.71E-08	12.1466	0.742531	0.316291	0.679585	0.635873	0.828511	0.563119	0.670238	0.824004	0.515351	3.091698	3.509623	3.36689	4.650776	4.697103	4.649854	3.98397	3.955266	3.770842
PCDHGB2	ENSG00000253910	1.559893	2.73141	8.58039	1.12E-07	8.65E-07	7.944927	1.755904	1.708084	1.585853	3.910405	3.602632	3.75519	2.779728	2.848856	3.218306	2.722179	2.753956	2.604447	3.581798	3.552417	3.65138	3.254827	3.069818	3.149291
VPS13B-DT	ENSG00000253948	-0.12095	0.8036	-0.48104	0.636456	0.689117	-6.3976	1.18244	1.277811	1.256574	1.840866	1.307481	1.250575	1.648695	1.85606	2.165532	1.704765	1.529011	1.800268	1.420179	1.393161	1.247156	1.45147	1.442809	1.058313
PCDHGB4	ENSG00000253953	1.45158	0.741866	5.102929	8.13E-05	0.000246	1.676373	2.505419	2.748839	2.641489	4.199863	4.276	3.838399	3.238915	3.102941	3.254305	0.34397	0.695454	0.288049	0.656707	0.484926	0.404558	0.326864	0.504542	0.497646
CLDN23	ENSG00000253958	0.910296	2.686414	10.4495	6.11E-09	7.97E-08	10.79758	1.602421	2.009193	1.585853	2.688367	2.762786	2.784269	1.816207	2.029503	1.918715	3.42926	3.330936	3.538032	4.17569	4.13825	4.25179	3.768919	3.675254	3.621636
AC100810.	ENSG00000253982	0.704247	2.739487	2.87402	0.010313	0.018139	-3.31255	3.183753	3.382531	3.270929	4.052041	3.934936	4.079806	4.681143	4.759705	4.795267	1.732907	2.135404	1.877881	1.935792	2.517623	2.23906	2.034568	1.707432	1.910335
ZNF260	ENSG00000254004	0.666736	5.180381	10.69327	4.30E-09	5.98E-08	10.90296	4.579773	4.474101	4.363979	4.790984	4.900234	4.98829	4.980658	5.058905	5.097318	5.262384	5.217293	5.139353	5.941587	5.983386	5.983596	5.78212	5.697845	5.780706
AC104117.	ENSG00000254035	0.372476	-1.67705	3.360919	0.003595	0.007064	-2.00482	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.388276	1.498542	1.360915	1.621093	1.681564	1.639204	1.599785	1.645686	1.461048
LYN	ENSG00000254087	-0.14435	6.374712	-3.64013	0.001949	0.004111	-2.60445	5.94235	5.887846	5.823902	5.854769	5.741991	5.860389	5.743574	5.932665	5.866318	7.054197	6.98321	7.105917	6.859794	6.87352	6.836635	6.868613	6.90825	6.944944
PINX1	ENSG00000254093	-0.66912	3.04476	-7.17244	1.33E-06	7.00E-06	5.44745	4.186225	4.094678	4.02711	3.342644	3.362223	3.632327	3.490873	3.578282	3.655245	2.906434	2.991286	3.068941	2.452975	2.433888	2.528806	2.935534	2.841019	2.59029
RBPMS-AS	ENSG00000254109	0.102342	0.820015	0.63959	0.530734	0.592324	-6.37472	1.430644	1.374745	1.585853	1.933905	1.373859	1.526279	1.525136	1.001115	1.314712	1.52331	1.588084	1.896649	1.797417	1.560439	1.695314	1.387593	1.2488	1.170016
PCDHGB7	ENSG00000254122	1.76236	1.026965	11.16089	2.23E-09	3.51E-08	11.83082	0.216396	0.410755	0.512639	0.635873	1.006428	0.657796	0.782422	1.001115	0.515351	2.47802	2.841532	2.409144	4.215053	4.127629	4.12984	3.011667	3.394711	3.162857
LINC01947	ENSG00000254130	0.496812	-1.23094	4.811664	0.000151	0.000426	0.941259	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.732907	2.032826	2.055402	2.412911	2.250257	2.34809	2.283004	2.274787	2.200755
NPIPB11	ENSG00000254206	-0.48373	0.184783	-2.06712	0.053862	0.079523	-4.41781	1.561356	1.277811	1.202741	1.182548	1.2379	1.475193	1.160105	1.15884	1.564539	1.199504	1.112482	1.027938	0.945898	0.484926	0.760679	0.974502	1.118494	1.170016
PCDHGB1	ENSG00000254221	1.483948	2.017993	13.83748	7.49E-11	2.69E-09	15.15961	0.667115	0.8079	1.358564	1.791994	1.666451	1.714252	1.459147	1.491012	1.50602	2.894025	3.116952	2.930089	4.275881	4.376675	4.355551	3.455083	3.394711	3.455199
PCDHGA3	ENSG00000254245	1.235451	-1.00751	3.620436	0.002035	0.004272	-1.44702	0.106501	0.106501	0.106501	0.395333	0.389229	0.2349	0.886508	0.106501	0.256032	1.315703	1.190799	1.387696	2.009285	1.793303	1.580823	1.571317	1.851139	1.626848
LINC00824	ENSG00000254275	0.075594	1.406149	0.351125	0.729692	0.773749	-6.27069	7.574339	7.628616	7.64188	7.653978	7.645607	7.733513	7.641187	7.73863	7.739133	0.106501	0.106501	0.106501	0.106501	0.190544	0.106501	0.106501	0.106501	0.106501
KRT8P3	ENSG00000254285	-0.71157	1.607775	-2.3797	0.028953	0.045586	-4.2239	2.917019	2.802095	2.933559	1.393812	1.556428	1.623325	1.459147	1.231675	1.314712	2.543041	1.922393	2.07201	2.096181	2.016959	2.10048	2.317694	2.37332	2.442395
MIR2052H(	ENSG00000254349	0.027239	-1.51231	0.205788	0.839334	0.866906	-6.52293	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.704765	1.989662	1.759838	1.689764	1.970168	1.667532	1.734264	1.613793	1.739782
RHPN1-AS:	ENSG00000254389	0.363107	0.745008	1.878755	0.077061	0.109434	-5.11267	0.41387	1.061904	0.512639	0.841981	1.2379	0.984419	0.415731	0.509405	1.01237	2.47802	2.23117	2.382761	2.727949	2.50126	2.382676	2.597261	2.212266	2.629903
LRRC24	ENSG00000254402	1.217429	0.285257	4.744278	0.000175	0.000484	0.91089	1.069823	1.061904	0.829201	2.181668	2.229385	1.993763	0.886508	0.824004	1.0941	0.88529	0.89579	1.094478	1.27873	1.495836	1.209118	1.320757	0.637375	0.999041
AP002495.	ENSG00000254469	0.304695	1.26466	2.230807	0.03906	0.059558	-4.53541	1.336422	1.277811	1.256574	1.182548	1.006428	1.310092	1.240874	1.367163	0.833554	2.263275	2.575707	2.243088	2.852992	2.729118	2.589286	2.229352	2.447571	2.507643
AP5B1	ENSG00000254470	0.304857	4.82735	4.135691	0.000656	0.001557	-1.29066	4.339825	4.360345	4.345467	4.384261	4.500575	4.531264	4.80585	4.59693	4.578115	5.026968	5.085124	5.252955	5.530276	5.432385	5.542234	5.273642	5.146465	5.12686
AL354920.:	ENSG00000254473	-0.66922	1.838713	-3.79412	0.001389	0.003024	-1.28465	2.965042	3.235413	2.933559	2.181668	2.03796	1.919272	2.186178	2.676938	2.588518	2.033684	2.053933	1.969371	1.878105	1.871771	2.036756	1.926335	1.851139	1.665483
FLJ20021	ENSG00000254531	0.138208	1.323381	0.812708	0.427318	0.492418	-6.44648	2.021155	2.009193	2.514675	1.933905	1.953662	1.714252	0.886508	1.367163	1.0941	1.91588	2.074736	2.355887	2.638129	2.416542	2.365487	1.599785	1.406038	1.222783
AF186192.	ENSG00000254533	0.245158	-1.85964	1.622898	0.122509	0.165111	-5.15493	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.423238	1.265082	1.248523	1.473091	1.462417	1.320349	1.387593	1.329561	0.999041
PABPC4L	ENSG00000254535	-0.64584	0.018223	-3.50248	0.002636	0.005374	-2.20613	0.216396	0.215206	0.106501	0.258133	0.389229	0.3528	0.106501	0.106501	0.106501	3.831846	3.735447	3.519989	2.872818	3.098942	2.930541	3.478269	3.579432	3.56145
BBOX1-AS1	ENSG00000254560	0.127256	-1.35897	0.368536	0.7169	0.762626	-6.11579	2.345296	2.37994	2.326135	2.548252	2.549605	2.196611	1.867984	1.760835	2.127218	0.190076	0.106501	0.106501	0.106501	0.106501	0.263213	0.106501	0.106501	0.106501
AP003068.	ENSG00000254614	0.227754	0.945314	0.871693	0.395192	0.460277	-6.38499	1.12723	1.061904	1.453818	0.258133	1.164793	0.657796	1.160105	0.915275	0.833554	1.91588	2.405511	2.328504	2.781373	2.784257	2.647333	2.524879	2.295039	2.442395
NA	ENSG00000254615	-0.36187	1.534001	-2.42408	0.026449	0.042101	-4.20977	0.814199	1.327092	1.028027	1.326771	1.307481	1.055701	1.762502	1.658879	1.445026	3.036317	3.002186	2.893183	2.638129	2.381211	2.449456	2.935534	2.985098	3.006111
WAC-AS1	ENSG00000254635	0.071265	3.883667	0.63661	0.532629	0.594067	-7.07169	4.239263	4.324392	4.288462	4.342447	3.844198	4.256608	4.245129	4.38177	4.45204	3.64455	3.547323	3.804677	3.762697	3.921728	4.067427	3.485915	3.467897	3.641153
NA	ENSG00000254667	1.184579	-0.80649	5.24926	5.97E-05	0.000188	1.976987	2.850396	3.012542	2.865896	4.031135	4.249727	4.071231	3.705302	3.578282	3.60036	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
PKD1P5	ENSG00000254681	0.144623	0.538005	0.786386	0.442174	0.506301	-6.1717	1.384302	1.327092	1.585853	1.256461	1.498102	1.250575	1.317361	1.082132	1.314712	0.934589	1.300837	1.333627	1.524131	1.528499	1.17005	1.320757	1.478665	1.170016
AP002387.	ENSG00000254682	-0.10549	3.200453	-0.67167	0.510573	0.572516	-6.9561	3.223781	3.100202	3.075109	2.605941	2.429905	2.763128	3.440463	3.102941	3.614278	3.785574	3.675424	3.829308	3.865227	3.940055	3.78667	3.272618	3.595851	3.410407
FPGT	ENSG00000254685	0.641045	3.389428	7.345823	9.66E-07	5.32E-06	5.713948	3.774862	3.936954	3.586821	4.359318	4.455308	4.358792	3.904396	4.128801	4.16108	2.978724	2.727926	2.615819	3.173846	3.38415	3.335521	2.935534	2.895091	2.975687
MEX3A	ENSG00000254726	0.39522	3.784117	7.545961	6.72E-07	3.91E-06	5.706567	1.990546	1.551021	1.818408	2.103714	1.817192	1.757653	2.144798	1.901414	1.918715	5.951485	5.927012	6.055851	6.403511	6.335719	6.425343	6.118515	6.151003	6.18645
AC137894.	ENSG00000254739	-0.34865	-1.22495	-1.85772	0.080138	0.113224	-4.99012	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	2.263275	2.155072	2.16783	1.755315	1.819936	1.639204	2.417026	2.030948	2.252429
SLC22A18/	ENSG00000254827	-0.34702	-0.27435	-1.28511	0.215522	0.27029	-5.75347	0.216396	0.215206	0.106501	0.258133	0.389229	0.3528	0.548589	0.622068	0.39151	1.940223	2.095243	2.473063	1.548989	1.462417	1.876113	2.831347	2.585506	2.59029
AP001372.	ENSG00000254837	-0.6671	2.05976	-4.18481	0.000589	0.001416	-0.47574	3.288121	2.90305	3.133821	2.577385	1.953662	2.064596	2.667326	2.938616	2.77354	2.163418	2.174476	2.183199	1.99126	2.039797	1.947161	2.075685	2.006592	2.226823
LINC02551	ENSG00000254842	-0.25218	-0.39082	-0.88919	0.385975	0.450794	-6.11307	0.667115	0.661886	0.323815	0.395333	0.512209	0.3528	0.670238	0.106501	0.39151	1.388276	1.644832	1.73919	1.308151	1.528499	1.580823	1.759719	1.82352	1.461048
MPV17L2	ENSG00000254858	0.271981	3.108085	2.080595	0.052474	0.077699	-5.07721	3.27548	3.235413	3.119366	3.727576	3.867423	3.666886	3.258446	3.214961	2.937508	3.058725	2.889287	3.36689	3.236398	3.193633	3.032078	3.366734	3.2466	3.241681
TMEM9B-A	ENSG00000254860	-0.12101	1.069447	-0.71403	0.484636	0.548048	-6.28276	2.609804	2.61635	2.661582	2.425456	2.490996	2.402038	2.058296	1.430416	1.918715	1.199504	1.112482	1.387696	1.420179	1.16289	1.209118	1.177011	0.871168	0.805046
BORCS8	ENSG00000254901	0.143844	2.53551	1.504971	0.150189	0.1972	-5.84042	3.026682	2.91921	2.966237	3.083078	2.926537	3.119801	2.884002	2.777669	2.697131	2.320032	2.766797	2.796562	2.852992	2.714997	2.80865	2.432936	2.500854	2.374055
LINC02751	ENSG00000254946	0.152244	-0.85646	1.532473	0.143306	0.189027	-5.70317	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.693825	2.865607	2.883807	3.004458	3.009215	2.743612	2.554269	2.601856	2.668457
AC105219.	ENSG00000254973	0.443158	-0.08747	1.860777	0.079685	0.112672	-5.07419	0.216396	0.410755	0.219246	0.635873	0.512209	0.2349	0.782422	0.387194	0.106501	2.282443	2.115463	2.314614	2.649667	2.433888	2.465679	1.903678	2.078458	2.326628
DPP3	ENSG00000254986	-0.09818	5.903244	-1.46864	0.159698	0.207909	-6.68138	6.027737	5.910253	5.992018	5.89871	5.907988	5.807161	5.167879	5.348128	5.155586	6.324078	6.226791	6.351158	6.253734	6.205427	6.194185	5.962842	6.08856	5.894855
BRK1	ENSG00000254999	0.084857	6.956114	2.407425	0.027364	0.043329	-5.21074	6.72525	6.752599	6.705141	6.956645	6.85198	6.89634	6.748129	6.794778	6.799125	7.15968	7.106398	7.125938	7.134831	7.118474	7.174315	7.075339	7.167755	7.134169
AP002807.	ENSG00000255031	-0.20982	0.600754	-0.74645	0.465321	0.528809	-6.17257	1.430644	1.744817	1.987129	1.933905	2.299368	1.919272	1.70672	1.491012	1.38134	1.278001	1.616737	1.248523	0.828978	1.032323	0.707101	0.686723	0.816175	1.222783
AF186192.	ENSG00000255085	0.245232	0.079261	1.904788	0.073398	0.104803	-5.44559	0.318509	0.215206	0.106501	0.106501	0.106501	0.3528	0.106501	0.106501	0.106501	3.737768	3.626949	3.669344	3.918659	3.871689	3.991027	3.836267	4.05364	3.770842
CHMP1B	ENSG00000255112	0.747772	7.547755	5.084121	8.46E-05	0.000255	0.487367	7.56073	7.523532	7.48088	8.710535	8.761234	8.659022	8.057534	8.087282	8.089183	7.098808	7.075122	7.168066	7.350792	7.400749	7.402651	6.444083	6.594666	6.555153
CENATAC-I	ENSG00000255121	-0.16369	1.219049	-0.97178	0.344417	0.408556	-6.20902	1.12723	1.327092	1.256574	1.840866	1.437317	1.475193	1.459147	1.549165	1.826075	2.282443	2.285719	2.213454	1.776519	1.793303	2.036756	2.055273	2.124453	1.973284
AP002360.	ENSG00000255135	-0.37822	2.565267	-2.80808	0.011868	0.020554	-3.64703	2.933205	2.802095	2.758051	1.688986	2.03796	2.064596	2.752438	2.147141	2.34318	3.45483	3.322263	3.325935	3.27416	3.223865	3.344321	3.053433	3.093137	3.065099
EID3	ENSG00000255150	-0.26011	-0.49411	-0.5729	0.574009	0.632739	-6.02681	2.392887	2.61635	2.351095	2.605941	2.633282	2.763128	2.545421	2.147141	2.309357	0.34397	0.259702	0.288049	0.106501	0.106501	0.186984	0.257084	0.19538	0.497646
AC084125.	ENSG00000255182	0.402626	1.157988	1.974433	0.064349	0.093266	-4.749	2.051128	1.374745	1.987129	2.063099	2.299368	2.064596	1.966276	2.147141	2.376228	1.490718	1.529011	1.360915	1.689764	1.591687	1.639204	1.214313	1.368306	0.999041
SNHG9	ENSG00000255198	-0.22125	2.640011	-1.70383	0.106126	0.145255	-5.54559	3.041689	3.235413	3.148134	2.661411	3.410458	3.27721	3.027514	3.063581	3.323715	2.943032	2.674414	2.930089	2.591031	2.467968	2.449456	2.539649	2.447571	2.397196
AC109322.	ENSG00000255224	-0.26061	1.396356	-1.64101	0.118666	0.160448	-5.42129	2.609804	2.356396	2.5366	2.291228	2.193078	1.669505	1.317361	1.430416	1.314712	1.865926	2.011405	2.004401	1.878105	2.084417	1.947161	1.482378	1.613793	1.504318
MIR100HG	ENSG00000255248	-1.03724	1.945272	-4.38623	0.000379	0.000961	-0.19709	2.461454	2.819419	2.423483	0.635873	1.006428	0.984419	1.160105	1.15884	1.564539	3.479955	3.313538	3.373604	2.770846	2.913535	2.743612	3.516101	3.449945	3.611778
AP006621.	ENSG00000255284	0.396282	1.164931	1.981089	0.063539	0.092214	-4.71994	1.791852	1.947501	1.744977	2.21912	2.078331	2.132113	2.545421	2.108984	2.560038	1.315703	1.335727	1.439812	1.548989	1.652223	1.51998	0.974502	1.289746	1.222783
EID1	ENSG00000255302	0.411997	8.326985	5.11252	7.96E-05	0.000242	0.495684	8.372273	8.451824	8.396737	9.117122	9.089408	9.086458	8.817213	8.894205	8.894002	7.828383	7.841379	7.881597	7.939058	8.039346	7.94568	7.796973	7.807992	7.774902
AF131215.	ENSG00000255310	0.276323	1.868085	2.476492	0.023755	0.038261	-4.09282	2.165157	2.283367	2.018628	2.21912	2.117603	2.605775	1.762502	1.760835	2.239236	2.18395	2.42184	2.243088	2.602951	2.48471	2.497588	2.192442	2.169028	2.226823
NOX5	ENSG00000255346	-1.40477	0.486145	-4.92949	0.000117	0.000341	1.337965	2.416107	2.258179	2.641489	1.519216	1.307481	1.669505	3.632324	3.564249	3.614278	0.982259	0.524532	0.639567	0.171976	0.345231	0.404558	1.017342	1.16325	0.734116
HCAR3	ENSG00000255398	-1.60536	-0.02242	-3.37884	0.003457	0.006821	-1.89433	1.561356	1.947501	1.744977	0.395333	0.106501	0.746642	1.525136	1.001115	1.445026	1.278001	1.265082	1.333627	1.154653	1.077171	1.002253	0.789161	0.871168	0.999041
PCDHA3	ENSG00000255408	0.803011	0.122739	4.680408	0.0002	0.000546	0.386383	0.216396	0.215206	0.421314	0.106501	0.389229	0.3528	0.269385	0.106501	0.106501	2.736149	2.85362	2.930089	3.640803	3.688714	3.571181	3.358427	3.644015	3.364179
AP003486.	ENSG00000255455	0.086074	2.388678	0.774166	0.449179	0.513272	-6.64945	3.041689	2.55562	2.848472	3.162124	2.85862	3.152687	2.303642	2.389238	2.239236	2.749986	2.924094	2.592986	2.638129	2.743101	2.716753	2.154563	2.392244	2.326628
AP002748.	ENSG00000255517	0.465892	1.70339	3.739681	0.001566	0.003371	-1.51128	1.826927	1.374745	1.30847	1.634586	1.817192	1.669505	1.588238	1.658879	2.005764	2.494552	2.575707	2.485514	2.968056	2.938056	2.918805	2.464239	2.354144	2.277588
POLR2M	ENSG00000255529	0.356928	4.697861	4.12221	0.000676	0.001598	-1.21326	4.772011	4.701347	4.822347	5.320976	5.321958	5.294884	5.383345	5.376512	5.325957	4.341661	4.269773	4.314216	4.47385	4.488812	4.338034	4.21775	4.469068	4.394143
FDXACB1	ENSG00000255561	0.360947	1.565295	2.2229	0.039679	0.060417	-4.45551	2.080492	1.708084	1.406977	1.888135	1.612488	1.919272	2.513265	1.760835	2.165532	1.840286	2.011405	1.933468	2.329284	2.250257	2.312654	2.135245	2.030948	2.226823
PCDHB17P	ENSG00000255622	1.336052	-0.94877	5.397418	4.38E-05	0.000144	2.204527	0.106501	0.215206	0.219246	0.258133	0.512209	0.461789	0.106501	0.106501	0.106501	1.199504	1.265082	1.277453	2.24051	2.06228	2.058312	2.055273	1.766644	2.003758
AC010185.	ENSG00000255644	-0.75122	-1.15236	-2.70237	0.014842	0.025108	-3.44888	0.216396	0.106501	0.106501	0.106501	0.106501	0.461789	0.106501	0.106501	0.106501	2.243849	2.355385	2.198406	1.336984	1.495836	1.639204	1.948641	2.233409	2.033602
FAM222A-	ENSG00000255650	-1.63682	-0.03743	-4.71661	0.000185	0.00051	0.874001	1.430644	1.327092	1.256574	0.635873	1.006428	0.657796	1.074544	0.915275	0.256032	1.646779	1.644832	1.387696	0.610222	0.671977	0.593579	1.419885	1.289746	1.626848
SNHG1	ENSG00000255717	-0.33004	5.664015	-4.60059	0.000238	0.000637	-0.38305	5.539016	5.590232	5.681107	5.554996	5.351085	5.500479	5.715585	5.650007	5.680369	6.066529	6.162652	5.870103	5.57332	5.510085	5.611309	5.65393	5.847615	5.923032
AGAP2-AS:	ENSG00000255737	1.306992	3.568618	15.45	1.25E-11	7.35E-10	16.94653	3.262728	3.428416	3.24453	4.510463	4.807214	4.454215	3.705302	3.446787	3.572114	2.868884	3.269103	3.117748	4.305359	4.220515	4.189664	3.485915	3.287607	3.387478
GOLGA2P1	ENSG00000255769	0.52804	3.35478	7.838058	4.00E-07	2.51E-06	6.524886	2.884092	3.085957	3.044832	3.425084	3.441741	3.231764	3.219115	3.122225	3.218306	3.552807	3.619889	3.602326	4.15964	4.148793	4.088533	3.730814	3.842828	3.55117
AC131206.	ENSG00000255836	0.319181	2.96921	2.27632	0.035668	0.054897	-4.64111	3.183753	2.982098	3.217639	3.06262	3.073582	3.119801	3.733489	3.868266	3.721038	2.635389	2.804649	2.627101	3.116795	3.203781	3.299771	2.901634	3.034117	3.176297
PXN-AS1	ENSG00000255857	0.089614	2.257067	0.608505	0.55068	0.610614	-6.62399	2.526909	2.9974	2.830836	3.123142	3.170134	2.629332	2.933443	3.178579	3.084728	2.033684	2.320972	2.198406	2.329284	2.21055	1.900186	2.334732	2.030948	2.14716
PRECSIT	ENSG00000255874	0.563206	1.874306	4.606267	0.000235	0.00063	0.243695	0.814199	0.940485	0.964748	1.519216	1.164793	1.123626	1.648695	1.605065	1.873138	3.236329	3.204502	3.026968	3.575762	3.710228	3.578659	3.685048	3.431768	3.498643
CTSO	ENSG00000256043	1.308603	5.052063	18.06362	9.51E-13	1.08E-10	19.51343	4.433832	4.312206	4.339244	5.860706	5.664554	5.735705	5.026946	5.058905	5.067277	4.58494	4.686104	4.783729	5.844525	5.904702	5.869343	4.850615	4.819468	4.950363
COA8	ENSG00000256053	-0.03724	3.602134	-0.37454	0.712509	0.758869	-7.22093	3.86199	3.667203	3.707702	3.20008	3.34578	3.231764	3.388228	3.605944	3.323715	3.97421	3.786782	3.982106	4.126992	4.127629	4.083285	3.865871	3.929587	3.797179
TRAPPC2B	ENSG00000256060	0.050945	2.351534	0.527393	0.604552	0.661034	-6.80473	2.526909	2.403106	2.248556	2.359902	2.549605	2.429135	2.376953	2.540248	2.616448	2.83033	2.766797	2.86487	2.842976	3.009215	2.716753	2.509956	2.799093	2.778299
URB1-AS1	ENSG00000256073	-0.3504	2.33978	-3.50333	0.002632	0.005365	-2.14314	2.483604	2.470453	2.109199	1.933905	1.953662	1.799787	1.966276	2.324112	2.376228	3.255856	3.166245	3.346558	3.165832	2.985883	2.918805	2.990321	2.947209	3.079476
ZNF432	ENSG00000256087	0.41592	3.432124	6.474463	4.99E-06	2.18E-05	3.881392	2.483604	2.513665	2.423483	2.81607	2.811499	2.885561	2.884002	3.002451	2.869505	4.177304	4.137605	4.029643	4.518584	4.541772	4.431851	4.511692	4.833383	4.744721
SBNO1-AS:	ENSG00000256092	0.067776	-0.0703	0.253162	0.803096	0.836209	-6.2549	1.286899	1.327092	1.406977	1.457877	1.373859	1.367251	1.966276	1.85606	1.674905	0.781331	0.524532	0.76743	0.982856	0.550009	0.533283	0.576451	0.637375	0.409347
LINC00944	ENSG00000256128	0.256144	-1.88246	1.494475	0.152887	0.200254	-5.32838	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.073118	1.265082	1.514616	1.446877	1.203912	1.580823	1.214313	1.072305	1.322858
ADGRD1-A	ENSG00000256151	0.808341	-1.44802	3.440089	0.003023	0.006063	-1.66923	2.245129	2.009193	2.194417	2.999448	2.762786	3.103073	2.102195	2.357042	2.202855	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ZNF10	ENSG00000256223	0.448274	2.598143	4.296387	0.000462	0.00114	-0.42643	2.320899	2.403106	2.399755	2.840308	2.460774	2.865864	2.858632	3.063581	2.440135	2.804042	2.804649	2.948194	3.18974	3.348006	3.234995	3.032701	3.046116	2.896697
ZNF486	ENSG00000256229	-0.26877	0.379172	-2.65409	0.016427	0.027474	-4.20368	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.256032	4.809665	4.96212	4.796278	4.577158	4.541772	4.573316	4.783949	4.637141	4.784756
SMIM3	ENSG00000256235	-0.69333	2.953605	-4.06237	0.00077	0.001796	-0.97045	3.887134	3.812706	3.698006	2.48816	2.57804	2.455733	3.219115	3.351955	3.084728	3.002038	3.15652	3.283783	2.902055	3.193633	2.965187	3.236813	3.193646	3.035906
SUPT16HP	ENSG00000256238	-0.38357	0.032443	-1.75735	0.09636	0.133483	-4.98101	0.947665	0.582935	1.202741	0.395333	0.625525	0.830331	1.074544	0.915275	0.833554	1.352446	1.498542	1.49011	1.248697	1.282615	1.423614	1.177011	1.289746	1.273688
HMBS	ENSG00000256269	-0.08611	5.295204	-2.00383	0.06084	0.088721	-5.74527	4.95357	4.893538	5.101429	4.863733	4.992907	4.918297	5.082792	4.976535	5.021009	5.737245	5.65216	5.776944	5.64136	5.593492	5.633019	5.70232	5.802349	5.666299
ZNF225	ENSG00000256294	0.458513	2.591513	4.155709	0.000628	0.001497	-0.76491	2.345296	2.152784	2.049454	2.548252	2.193078	2.629332	2.724622	2.568641	2.723053	3.0698	2.958081	3.195594	3.5452	3.487446	3.517722	3.123735	3.069818	3.079476
NA	ENSG00000256304	-0.8732	1.477141	-3.79468	0.001387	0.003022	-1.20134	2.218961	2.179863	1.987129	1.256461	1.2379	1.669505	2.637802	2.676938	2.846105	2.18395	1.967585	2.104662	1.473091	1.766169	1.488568	1.599785	2.101639	1.877799
RPL41P5	ENSG00000256393	-0.0804	-0.04236	-0.28954	0.775578	0.813558	-6.36953	1.235614	1.327092	0.598525	1.104644	0.512209	0.984419	0.983587	0.622068	1.0941	1.073118	1.265082	1.158083	1.088368	1.393161	1.209118	0.738851	0.975239	1.170016
POLG2	ENSG00000256525	-0.12412	3.912645	-1.27837	0.217835	0.272926	-6.55094	4.226185	4.006672	4.065319	3.57705	3.410458	3.666886	3.690999	3.749274	3.796224	4.327889	4.34876	4.182763	4.359059	4.394504	4.41524	3.928936	4.005291	4.037057
SMIM10L1	ENSG00000256537	-0.26599	5.30322	-4.55635	0.000262	0.000693	-0.41561	5.334855	5.410426	5.347631	5.254892	5.20376	5.261353	5.32896	5.281075	5.443658	5.46891	5.355466	5.599302	5.15451	5.15751	5.058283	5.586184	5.451724	5.434288
AC156455.	ENSG00000256546	0.252402	2.519175	2.726219	0.014115	0.024007	-3.90437	1.561356	1.947501	2.109199	2.393052	2.229385	2.429135	1.648695	1.945386	1.826075	3.673879	3.640966	3.476988	3.703037	3.839509	3.658454	3.374993	3.520448	3.477085
AC010186.	ENSG00000256594	-0.14076	0.942015	-0.67832	0.506448	0.568562	-6.69421	1.069823	0.8079	0.898566	0.52061	0.106501	0.657796	0.548589	0.726566	0.629397	3.036317	3.116952	3.052298	3.141522	3.120528	3.167173	3.307556	2.99751	3.267027
AC010197.	ENSG00000256615	-0.73685	-0.56026	-4.80435	0.000154	0.000432	0.851161	0.216396	0.215206	0.219246	0.106501	0.25478	0.106501	0.106501	0.106501	0.256032	2.804042	2.66072	2.796562	2.129525	2.21055	2.10048	2.625227	2.841019	2.742606
ZBTB11-AS	ENSG00000256628	0.301441	2.599361	3.288685	0.004209	0.008148	-2.68227	2.438959	2.37994	2.351095	2.518519	2.460774	2.258349	2.446718	2.147141	2.309357	3.17611	3.195032	3.353367	3.703037	3.503965	3.608189	3.298901	3.009816	2.975687
ZNF350	ENSG00000256683	0.885156	2.767619	7.960976	3.22E-07	2.09E-06	6.775857	2.19231	2.068355	2.109199	2.548252	1.817192	2.5075	2.144798	2.220554	2.274723	3.358771	3.373534	3.406715	4.31626	4.326476	4.435973	3.70484	3.72088	3.641153
ZNF253	ENSG00000256771	-0.01515	2.183305	-0.13016	0.897929	0.916657	-7.17024	1.430644	1.327092	1.62731	1.326771	0.92021	0.657796	1.459147	1.549165	1.50602	3.980092	3.924944	3.839044	4.028794	4.039723	3.968435	3.962207	3.93605	4.066226
AC022613.	ENSG00000256802	0.037011	0.074522	0.149153	0.883141	0.904543	-6.38367	0.814199	0.736739	1.30847	1.256461	1.498102	0.657796	0.983587	1.082132	1.01237	0.982259	1.190799	1.061592	1.088368	0.888753	1.002253	1.419885	1.072305	1.370407
C17orf100	ENSG00000256806	0.638515	-0.29672	2.350376	0.030727	0.048029	-4.16753	0.503316	0.661886	0.598525	0.841981	0.512209	0.461789	0.106501	0.106501	0.256032	1.388276	1.588084	1.67541	2.193986	2.06228	2.07955	1.708352	1.613793	2.091498
PPP1R14B-	ENSG00000256940	-0.23047	2.391701	-1.31251	0.206324	0.260082	-6.01807	2.833249	2.748839	2.600444	2.999448	3.012388	2.845893	2.884002	2.420731	2.915195	2.409929	2.701418	2.592986	2.145912	2.039797	2.07955	2.957699	2.841019	2.830235
AC131009.	ENSG00000256955	-0.06729	-0.45017	-0.18285	0.857022	0.882105	-6.15958	1.861169	2.068355	2.049454	2.21912	2.366112	2.064596	2.637802	2.511284	2.723053	0.34397	0.398185	0.16959	0.234608	0.190544	0.106501	0.326864	0.2791	0.497646
AC010186.	ENSG00000257027	0.203669	0.401644	1.565385	0.135418	0.180005	-5.55502	0.503316	0.316291	0.512639	0.635873	0.625525	0.461789	0.548589	0.622068	0.515351	2.427256	2.531245	2.30059	2.661114	2.381211	2.497588	2.524879	2.212266	2.226823
MIR200CH(	ENSG00000257084	1.640983	-0.70639	9.377374	3.09E-08	2.95E-07	9.253364	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.033684	2.303453	2.021603	3.799417	3.644697	3.637126	2.901634	2.921385	2.928814
AP001453.	ENSG00000257086	-1.25664	0.556015	-5.7408	2.16E-05	7.69E-05	2.929309	2.296082	2.71221	2.221741	1.393812	1.087782	1.250575	1.648695	1.945386	1.777424	1.388276	1.152172	0.993481	0.907968	0.784432	0.760679	1.058946	0.975239	0.734116
DENND11	ENSG00000257093	-0.66003	5.457787	-5.99315	1.29E-05	4.97E-05	2.611878	5.613726	5.685425	5.557879	4.43289	4.276	4.460795	5.183289	5.293887	5.300358	6.023031	6.148004	5.948645	5.674214	5.764345	5.685908	5.909826	5.93893	5.998741
LSM14A	ENSG00000257103	-0.11566	7.08311	-1.75098	0.09748	0.134823	-6.3649	7.121978	7.136362	7.08394	6.732178	6.730577	6.768241	7.14956	7.237598	7.196093	7.108238	7.072539	7.10289	7.180289	7.184654	7.208457	7.189199	7.214358	7.277465
RRN3P3	ENSG00000257122	0.040632	1.632577	0.271958	0.788841	0.8245	-6.75641	1.826927	2.009193	2.221741	1.578054	1.373859	1.799787	1.917967	1.549165	1.777424	2.078238	2.338281	2.213454	2.479079	2.596763	2.399663	2.384669	2.254246	2.302316
NA	ENSG00000257151	1.658884	1.880848	9.653516	2.01E-08	2.09E-07	9.659138	1.519087	1.631689	1.744977	3.181227	2.85862	3.03415	2.752438	2.623806	2.748518	1.586365	1.699433	1.67541	2.949505	2.671787	2.821313	1.85727	1.82352	1.739782
TMPO-AS1	ENSG00000257167	-1.41531	1.180669	-5.02628	9.56E-05	0.000285	1.472696	2.505419	2.513665	2.492412	1.74141	2.429905	1.799787	2.340763	2.511284	2.376228	1.676063	1.699433	1.896649	0.5125	0.7293	0.533283	1.926335	1.645686	1.546329
GATC	ENSG00000257218	-0.22519	5.819974	-5.01854	9.72E-05	0.000289	0.528976	6.273193	6.477742	6.314222	6.164136	6.106488	6.059941	6.135589	6.131335	6.155213	5.666054	5.617135	5.599302	5.45336	5.50599	5.328241	5.394346	5.365774	5.499895
AC008014.	ENSG00000257261	-0.05973	1.474143	-0.37238	0.714084	0.760255	-6.69386	1.826927	1.947501	2.018628	1.393812	1.307481	1.422231	1.317361	1.710758	1.918715	2.100009	2.135404	2.30059	2.314863	2.48471	2.481722	2.229352	2.101639	2.06284
ZNF271P	ENSG00000257267	0.785044	4.647199	7.923244	3.44E-07	2.21E-06	6.514023	4.315334	4.136747	4.095173	5.245847	5.338674	5.207592	5.173034	5.007978	5.121883	4.172174	4.415514	4.268117	4.843945	4.627193	4.817241	4.743057	4.568087	4.646745
ZBED6	ENSG00000257315	-0.20013	3.664134	-1.56183	0.136253	0.180947	-5.9989	3.967917	3.952741	4.167214	3.791129	4.167908	4.379778	4.101117	4.307901	4.132351	3.651939	3.824119	3.38694	3.213258	3.243672	3.032078	3.603046	3.385297	3.770842
AC068888.	ENSG00000257337	0.942906	2.261588	7.302218	1.05E-06	5.70E-06	5.742036	2.218961	2.258179	2.274882	3.20008	2.787348	3.086148	2.303642	2.147141	2.087859	2.320032	2.174476	2.152295	2.791825	3.292034	2.976553	2.639009	2.552239	2.706008
AC048341.	ENSG00000257354	-0.03545	1.466563	-0.17218	0.865277	0.889187	-6.55493	3.373632	3.461896	3.296854	3.273122	3.225109	3.152687	2.513265	2.702788	2.748518	1.239286	0.941811	0.993481	1.154653	1.16289	1.423614	0.517985	0.975239	1.322858

FNTB	ENSG00000257365	-0.19245	3.160903	-2.32401	0.032408	0.05041	-4.68536	3.397161	3.273623	3.204003	3.21869	2.970101	2.980206	3.115825	2.960209	3.124172	3.659289	3.439177	3.426222	3.46257	3.272884	3.353069	3.651445	3.651889	3.611778
AC121761.	ENSG00000257497	-1.04787	0.815578	-4.63697	0.00022	0.000594	0.679389	2.296082	2.37994	2.514675	1.457877	1.164793	1.367251	1.762502	2.184314	1.727075	1.388276	1.190799	1.126631	0.907968	1.032323	0.957066	1.099384	1.2488	1.739782
AC124947.	ENSG00000257512	-0.60009	-1.15623	-2.33589	0.03164	0.049343	-4.05503	0.503316	0.215206	0.219246	0.106501	0.106501	0.106501	0.106501	0.387194	0.106501	1.76051	1.672391	1.800268	1.689764	1.591687	1.423614	1.542275	1.513652	1.370407
LINC02298	ENSG00000257556	-0.42988	1.042802	-1.71965	0.103153	0.141679	-5.0983	2.815895	2.49222	2.492412	1.840866	2.229385	2.532704	2.102195	1.710758	2.165532	0.88529	1.435603	1.277453	0.745413	1.462417	1.002253	1.214313	1.072305	1.170016
PPP1R12A-	ENSG00000257557	0.487315	0.585861	2.142521	0.046502	0.069587	-4.4926	0.814199	0.8079	1.146821	1.022291	0.828511	0.746642	0.983587	1.001115	1.445026	1.940223	1.403073	1.820066	2.357702	2.084417	2.257813	1.627702	1.442809	1.416439
HSPD1P4	ENSG00000257576	0.392902	0.329943	1.927613	0.070315	0.100815	-4.65879	1.430644	1.118985	1.146821	1.791994	1.768674	1.575618	1.317361	1.658879	1.620777	0.934589	0.848253	0.884879	0.745413	0.888753	1.046067	1.250674	0.924142	1.170016
MYG1-AS1	ENSG00000257605	-0.45121	-0.00511	-1.30899	0.207489	0.261319	-5.44655	2.021155	2.332462	1.54317	1.393812	1.373859	1.669505	1.240874	1.901414	1.873138	0.609835	0.330605	0.726056	0.407676	0.612281	0.593579	0.457048	0.816175	0.93723
PSMA3-AS	ENSG00000257621	0.695955	4.467577	5.856089	1.71E-05	6.30E-05	2.510081	3.729242	3.904854	3.576275	4.681208	4.360275	4.562192	4.730929	4.696781	4.801363	4.529864	4.570022	4.415294	5.064709	5.07975	5.087406	4.54867	4.668528	4.651565
AC125603.	ENSG00000257654	0.746078	-1.53358	6.083718	1.08E-05	4.24E-05	3.576909	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.52331	1.498542	1.305813	1.935792	1.921808	2.161508	1.833493	1.795362	1.703111
GIHCG	ENSG00000257698	-0.17182	1.630554	-0.82104	0.422683	0.487748	-6.22928	3.476616	3.547555	3.359697	3.103249	3.132285	3.051692	3.315502	3.26787	3.199964	0.7264	1.369793	0.884879	1.186687	1.203912	1.284217	1.286141	0.871168	1.322858
LBX2-AS1	ENSG00000257702	0.225417	1.231027	1.516453	0.147283	0.193644	-5.72357	1.069823	1.226787	0.829201	0.841981	0.828511	0.830331	1.240874	1.001115	1.38134	2.736149	2.727926	2.485514	2.892375	3.152313	2.833866	2.509956	2.535313	2.610232
INAFM1	ENSG00000257704	0.93741	1.691565	7.243449	1.17E-06	6.26E-06	5.670774	1.336422	1.551021	1.585853	1.840866	2.078331	1.956998	1.648695	1.945386	1.564539	2.121457	2.135404	2.120715	2.977243	2.888589	3.053703	2.679583	2.618024	2.033602
CNPY2	ENSG00000257727	-0.06898	2.293666	-0.4979	0.624759	0.679011	-6.69785	3.128595	3.100202	3.231147	3.308302	2.991399	3.152687	2.933443	2.960209	2.82232	2.078238	2.485369	1.951531	1.838325	2.10622	2.23906	2.034568	1.878239	2.397196
FNBP1P1	ENSG00000257800	-0.9065	0.832745	-5.84754	1.74E-05	6.39E-05	3.094402	1.755904	1.708084	1.744977	1.104644	0.92021	1.188496	1.240874	1.231675	1.314712	2.100009	2.074736	2.055402	1.711947	1.282615	1.550722	1.13872	1.707432	1.461048
PRANCR	ENSG00000257815	0.036904	0.091928	0.100761	0.920887	0.935134	-6.3867	1.18244	1.551021	1.146821	1.104644	1.087782	0.909432	1.240874	1.082132	1.314712	1.586365	0.398185	1.248523	1.365252	1.120667	1.08859	0.884806	0.924142	0.659518
AL133304.	ENSG00000257826	0.982451	-1.60507	5.797207	1.92E-05	6.96E-05	3.019354	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.555182	1.265082	1.387696	2.027088	2.127698	2.399663	1.419885	1.289746	1.461048
AC121757.	ENSG00000257829	1.111559	0.249549	5.804114	1.90E-05	6.87E-05	2.992961	0.41387	0.736739	0.421314	0.841981	0.625525	1.123626	0.782422	0.509405	0.256032	1.52331	1.529011	1.60868	2.357702	2.381211	2.449456	1.926335	2.030948	2.302316
LINC02588	ENSG00000257842	0.685511	1.146276	4.079449	0.000742	0.001736	-0.66565	0.587539	0.661886	1.028027	1.256461	1.498102	1.669505	1.240874	1.367163	1.38134	2.01088	1.967585	2.243088	2.399306	2.288901	2.544166	2.679583	2.465551	2.81313
AL139023.	ENSG00000257869	0.317641	0.301729	1.455731	0.163195	0.211634	-5.54798	0.882475	0.875715	0.756332	0.395333	0.625525	0.830331	0.886508	0.622068	0.925731	1.814181	1.588084	1.60868	2.027088	2.433888	1.947161	1.599785	1.368306	1.626848
AC125603.	ENSG00000257883	0.439547	-0.48501	3.955015	0.000975	0.002217	-1.15658	0.106501	0.106501	0.106501	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	3.186323	2.991286	3.262236	3.551365	3.583837	3.370406	3.236813	3.081525	3.202807
DDN-AS1	ENSG00000257913	-0.43481	-0.21642	-1.73095	0.101075	0.139174	-5.04352	0.947665	0.875715	0.898566	0.635873	0.512209	0.2349	0.415731	0.726566	0.39151	1.490718	1.529011	1.333627	1.498836	1.16289	1.610309	1.512637	1.16325	1.222783
CUX1	ENSG00000257923	0.493239	7.474455	9.400875	2.98E-08	2.87E-07	8.701974	7.420661	7.411616	7.532254	7.892878	7.948222	8.055475	8.124922	8.031001	8.026811	6.892073	6.882095	6.87344	7.394737	7.334178	7.313028	7.236992	7.149796	7.177419
AC011603.	ENSG00000258017	-0.34519	0.418377	-1.3955	0.180342	0.231053	-5.48355	1.235614	1.118985	1.088647	1.74141	1.164793	1.250575	1.240874	1.710758	1.564539	1.352446	1.498542	1.46518	0.828978	0.986036	0.957066	1.354562	1.2488	0.93723
AC025575.	ENSG00000258053	0.38326	0.215322	1.620607	0.123003	0.165651	-5.09369	0.742531	1.118985	1.256574	1.519216	1.307481	1.367251	1.917967	1.945386	1.777424	0.781331	0.695454	1.027938	0.828978	0.7293	1.002253	1.177011	0.871168	1.170016
AC009779.	ENSG00000258056	0.784801	2.0627	5.916392	1.51E-05	5.68E-05	3.098291	1.861169	1.947501	1.744977	2.425456	2.926537	2.697781	2.376953	1.901414	2.376228	2.320032	2.285719	2.30059	2.95881	2.671787	2.782986	2.692858	2.601856	2.200755
AC078923.	ENSG00000258077	-0.6827	-0.42731	-2.51625	0.021886	0.035523	-3.78713	0.587539	0.499412	0.598525	0.258133	0.106501	0.2349	0.269385	0.106501	0.515351	1.91588	2.032826	1.858866	1.498836	1.652223	1.826726	2.013561	2.169028	2.277588
AC025569.	ENSG00000258168	0.47943	0.317285	8.204301	2.12E-07	1.47E-06	7.063448	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.75239	4.80914	4.657367	5.235223	5.201218	5.166452	4.720549	4.956102	4.950363
AC073896.	ENSG00000258199	0.383263	2.174011	3.93847	0.001011	0.002287	-1.10203	2.109269	2.308123	2.049454	2.393052	2.762786	2.557474	2.480375	2.220554	2.501332	2.461296	2.575707	2.409144	2.727949	2.642244	2.795875	2.554269	2.392244	2.610232
AC002351.	ENSG00000258240	0.103253	-0.88442	0.571557	0.574899	0.633425	-6.53213	0.106501	0.215206	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.256032	2.100009	2.469748	2.25768	2.452975	2.288901	2.18129	2.384669	2.354144	2.226823
CHURC1	ENSG00000258289	1.227278	5.014814	21.53029	5.01E-14	1.32E-11	22.4348	4.428132	4.701347	4.537101	5.667647	5.627623	5.631655	5.213624	5.302366	5.165072	4.252132	4.45572	4.358889	5.639915	5.635331	5.591116	5.02344	4.975054	4.930673
NA	ENSG00000258297	1.412572	1.259957	8.107182	2.50E-07	1.69E-06	7.206277	1.069823	1.420874	1.028027	2.021307	1.373859	1.575618	1.588238	1.001115	0.925731	1.891119	2.011405	1.653508	3.074617	3.301515	3.106389	1.903678	2.212266	2.003758
VASH1-AS	ENSG00000258301	0.187951	2.166909	1.49313	0.153235	0.200586	-5.88902	2.19231	1.670392	2.049454	1.688986	2.605925	2.164723	1.648695	2.069791	1.727075	2.978724	2.865607	2.902498	2.95881	3.077028	3.177059	3.063688	3.116085	2.896697
ZNF578	ENSG00000258405	0.397553	-0.49516	2.703171	0.014817	0.02507	-3.7598	0.106501	0.106501	0.219246	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	2.708071	3.146729	2.902498	3.449427	3.009215	3.317756	3.123735	3.215061	3.035906
PDF	ENSG00000258429	0.883015	0.518155	3.214	0.004953	0.009421	-2.31611	1.010037	1.118985	1.358564	0.841981	1.307481	1.250575	1.074544	1.549165	1.445026	0.88529	0.848253	1.126631	1.711947	1.993753	1.826726	1.809319	1.707432	1.115245
LINC00641	ENSG00000258441	-0.49457	2.773537	-2.06701	0.053874	0.079525	-4.83906	4.315334	4.306074	4.215584	3.898911	3.502343	3.765857	4.851577	4.753535	4.680887	2.163418	2.372288	1.800268	1.733794	1.970168	1.992654	1.387593	1.645686	1.81044
AL132780.	ENSG00000258457	1.241279	0.546885	7.616105	5.93E-07	3.51E-06	6.376438	0.667115	0.875715	0.598525	0.934951	1.087782	0.909432	0.782422	0.824004	0.735084	1.814181	1.435603	1.514616	2.727949	2.398985	2.795875	1.992244	1.82352	1.58715
AC005726.	ENSG00000258472	0.092125	1.65478	0.353913	0.727638	0.771876	-6.72253	1.642349	1.465573	1.256574	2.840308	2.264801	2.481849	1.867984	1.710758	1.564539	2.494552	2.500824	2.546206	2.009285	1.871771	2.18129	2.173627	2.429363	2.252429
LINC00239	ENSG00000258512	-0.6502	1.467515	-4.09391	0.000719	0.001688	-0.5364	2.392887	2.448351	2.300736	1.634586	1.666451	1.956998	2.957542	2.702788	2.748518	1.891119	1.369793	1.696985	1.27873	1.495836	1.284217	1.809319	1.737342	1.877799
AL079307.	ENSG00000258535	-0.13478	-1.77463	-0.66563	0.514334	0.576506	-6.17423	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.239286	1.228418	1.248523	1.154653	1.032323	1.320349	1.354562	1.513652	1.844513
LINC02274	ENSG00000258586	0.303114	-1.06705	0.787255	0.441678	0.505978	-5.90388	2.438959	2.576149	1.954926	2.605941	2.991399	2.741673	3.19904	3.250449	3.289427	0.190076	0.185134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AL160006.	ENSG00000258634	0.556247	2.962967	6.223738	8.17E-06	3.33E-05	3.551995	2.780548	2.71221	2.600444	3.20008	3.112982	3.152687	3.277716	2.916694	2.959482	3.206534	3.241771	2.957162	3.669424	3.591587	3.615478	3.094024	3.385297	3.162857
ARHGAP5-	ENSG00000258655	0.047675	1.984816	0.270861	0.789671	0.825186	-6.9749	2.19231	1.978677	2.300736	1.519216	1.768674	1.669505	1.648695	0.726566	1.727075	2.894025	2.924094	3.043904	3.181815	3.04352	3.344321	2.935534	3.058015	2.880366
LINC01269	ENSG00000258689	-0.81206	-0.27187	-3.73911	0.001568	0.003374	-1.27881	0.503316	0.499412	0.323815	0.395333	0.512209	0.461789	0.415731	0.253663	0.256032	1.964162	2.437987	1.896649	1.392977	1.393161	1.284217	2.173627	1.878239	1.775544
LINC00638	ENSG00000258701	0.133782	0.931809	1.089753	0.290619	0.35201	-6.04214	1.336422	1.277811	1.256574	1.256461	1.556428	1.310092	1.459147	1.231675	1.171446	1.891119	1.672391	2.004401	1.878105	2.016959	1.970087	1.734264	1.513652	1.739782
SLC25A21-	ENSG00000258708	-0.10357	1.476681	-0.67544	0.508236	0.570119	-6.65627	1.642349	1.226787	1.853768	1.104644	0.828511	1.310092	1.160105	1.15884	1.38134	2.722179	2.674414	3.00983	2.95881	2.850343	2.858649	2.35157	2.37332	2.687355
AL135999.	ENSG00000258727	0.820254	2.678143	4.526776	0.00028	0.000733	0.107814	2.949211	2.534795	2.5366	3.966538	3.796595	3.828257	2.957542	2.801791	3.162566	2.444376	2.792142	2.409144	3.074617	2.770668	2.589286	2.26534	2.770449	2.668457
LINC02328	ENSG00000258733	0.503073	0.075367	1.70914	0.10512	0.143964	-4.99913	1.069823	0.940485	1.256574	1.104644	1.373859	1.250575	0.782422	0.824004	1.171446	0.609835	0.986408	0.726056	0.945898	1.462417	0.862212	1.250674	1.368306	1.58715
AL121603.	ENSG00000258738	-0.3537	1.624605	-1.77076	0.094038	0.130646	-5.28905	2.19231	2.55562	2.37563	1.519216	1.373859	1.367251	1.459147	1.760835	1.873138	2.409929	2.285719	2.243088	2.566893	2.21055	2.449456	1.948641	2.447571	2.06284
LINC01579	ENSG00000258754	0.701145	-1.67367	3.43037	0.003088	0.006177	-1.86287	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.239286	1.335727	1.718241	1.935792	1.591687	1.992654	1.177011	1.024588	1.115245
MC1R	ENSG00000258839	1.236196	1.836343	6.686605	3.32E-06	1.53E-05	4.673605	2.345296	1.631689	1.667608	3.162124	3.378481	3.306732	2.340763	2.676938	2.560038	1.732907	1.752042	1.67541	2.270712	2.269709	2.161508	1.784732	1.82352	1.665483
CEP95	ENSG00000258890	0.109054	5.109132	1.69029	0.108728	0.148391	-6.22384	4.749336	4.747329	4.857612	4.784753	4.558804	4.803913	4.864381	4.949799	4.983968	5.395984	5.508563	5.356567	5.637019	5.625928	5.581843	5.336314	5.509197	5.502565
AL133467.	ENSG00000258927	-0.12271	-0.7026	-1.25423	0.226274	0.282183	-6.12973	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.134522	3.1855	3.043904	3.039964	2.888589	2.930541	2.855159	3.046116	3.279535
AL390334.	ENSG00000258932	0.280885	-0.9422	1.03872	0.313092	0.375906	-5.99158	0.106501	0.215206	0.106501	0.106501	0.25478	0.2349	0.415731	0.387194	0.106501	1.787595	1.8028	1.800268	1.818016	2.039797	1.749324	1.809319	1.878239	1.775544
TUBB3	ENSG00000258947	1.010651	0.23179	3.428748	0.003099	0.006194	-1.83196	1.069823	1.118985	1.088647	2.291228	2.193078	2.029614	0.983587	0.824004	0.925731	0.7264	1.07167	1.027938	1.420179	1.120667	0.862212	0.738851	0.69947	1.370407
AL049870.	ENSG00000258949	-0.08431	-0.89554	-0.90334	0.378627	0.443267	-6.39415	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.664903	2.727926	2.660429	2.479079	2.700737	2.513282	3.032701	2.841019	2.81313
TMEM179	ENSG00000258986	-0.79112	-1.20766	-2.61067	0.017988	0.029781	-3.31586	3.509372	3.142112	3.511328	2.255624	2.762786	2.697781	2.26554	3.002451	2.440135	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
LINC02302	ENSG00000258998	0.189113	-1.94262	1.250218	0.227701	0.283739	-5.60073	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.116489	1.152172	1.027938	1.218025	1.2438	1.002253	1.542275	1.581179	1.222783
AC005520.	ENSG00000259065	0.189667	1.393348	1.251095	0.227388	0.283421	-5.94956	1.791852	1.978677	1.667608	1.326771	1.864131	1.623325	1.70672	1.367163	1.777424	2.033684	1.777644	2.104662	2.270712	2.250257	2.449456	1.992244	1.90484	2.003758
AC004816.	ENSG00000259153	-0.4786	2.363933	-4.83181	0.000145	0.00041	0.212991	0.947665	1.002471	1.146821	0.52061	0.512209	0.2349	0.269385	0.253663	0.39151	6.246895	6.171129	6.361328	5.897506	5.764345	5.840085	6.135629	6.10586	6.152853
NA	ENSG00000259264	0.208764	0.933153	1.94263	0.06835	0.098344	-5.28149	0.318509	0.661886	0.598525	0.395333	0.512209	0.657796	0.415731	0.509405	0.256032	3.303547	3.278101	3.419749	3.526548	3.560336	3.533199	3.623987	3.779553	3.530388
INAFM2	ENSG00000259330	-0.37742	3.024155	-2.33527	0.031679	0.049394	-4.58707	3.100204	3.494617	3.334887	3.181227	3.225109	3.335661	3.072345	3.043491	2.915195	3.196464	3.250939	3.262236	2.661114	2.824271	2.795875	3.743628	3.705831	3.466183
AC027237.	ENSG00000259426	0.86132	0.712102	4.566945	0.000256	0.000679	0.419804	1.384302	1.173893	1.358564	1.688986	1.006428	1.919272	0.670238	0.726566	0.735084	1.646779	1.588084	1.387696	2.193986	2.48471	2.330481	1.354562	1.406038	1.461048
UBE2Q2P2	ENSG00000259429	0.201545	0.459205	1.157711	0.262558	0.322353	-5.84637	0.947665	0.940485	1.202741	0.841981	0.730585	0.909432	1.240874	1.15884	1.01237	1.199504	1.335727	1.538714	1.776519	1.528499	1.749324	1.65509	1.67689	1.942153
THTPA	ENSG00000259431	0.626335	2.506984	6.734852	3.02E-06	1.41E-05	4.581895	2.19231	1.631689	1.954926	2.633943	2.737798	2.374422	2.186178	2.220554	2.047395	3.123934	3.034402	3.187996	3.635009	3.512154	3.693316	3.123735	3.277464	3.352387
ADNP-AS1	ENSG00000259456	-0.03317	-0.03395	-0.19606	0.846826	0.873441	-6.40981	0.882475	0.499412	0.756332	0.635873	0.730585	0.746642	0.983587	0.726566	0.925731	1.388276	1.300837	1.277453	1.218025	1.282615	1.320349	1.354562	1.16325	1.546329
SORD2P	ENSG00000259479	-0.12643	0.795842	-0.61901	0.543894	0.604392	-6.30418	1.894617	2.009193	1.358564	1.182548	1.909591	1.669505	1.762502	1.605065	1.727075	1.352446	1.152172	1.413989	1.27873	1.16289	1.456457	1.482378	1.072305	1.273688
MRPL46	ENSG00000259494	-0.52854	2.466748	-5.10234	8.14E-05	0.000246	1.353812	2.90065	2.576149	2.99819	2.143217	2.429905	2.317553	2.545421	2.728183	2.869505	2.906434	3.126946	3.018425	2.602951	2.743101	2.513282	2.794876	2.711397	3.006111
AC015712.	ENSG00000259583	-0.4342	-0.49346	-2.16726	0.044295	0.066655	-4.43829	0.587539	0.499412	0.323815	0.258133	0.25478	0.2349	0.415731	0.106501	0.256032	1.98771	1.827525	2.038602	1.644349	1.738515	1.851631	1.734264	1.67689	1.877799
AC125257.	ENSG00000259623	-0.27067	3.483986	-2.64061	0.016897	0.028178	-4.09537	3.603403	3.7953	3.511328	3.714523	3.722109	3.584921	3.965091	3.967564	3.721038	3.681119	3.612795	3.669344	3.422776	3.141796	2.99902	3.623987	3.620134	3.68882
ST20-AS1	ENSG00000259642	0.080542	2.016554	0.612666	0.547987	0.607994	-6.87066	1.755904	1.708084	1.667608	1.519216	1.612488	1.623325	1.459147	1.301009	1.171446	3.265521	2.935512	3.579277	3.165832	3.568213	3.525482	3.298901	3.356678	3.006111
IQCH-AS1	ENSG00000259673	-0.08432	1.957952	-0.60446	0.553303	0.613045	-6.65107	2.707144	2.425906	2.514675	2.103714	2.03796	2.164723	2.058296	2.481727	2.165532	2.409929	2.453955	2.328504	2.638129	2.50126	2.559363	2.075685	1.930959	1.910335
AC023906.	ENSG00000259712	0.091966	-0.49085	0.252341	0.803721	0.836798	-6.22174	3.300651	3.450822	3.24453	3.727576	3.441741	3.744443	3.405851	3.578282	3.498982	0.190076	0.259702	0.230035	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC004943.	ENSG00000259768	-0.36101	2.116115	-3.90125	0.001098	0.002456	-1.24766	1.755904	1.849715	1.853768	1.840866	1.612488	2.029614	1.867984	1.85606	1.962896	3.123934	3.175905	3.141546	2.760241	2.714997	2.716753	3.341669	3.37582	3.241681
HMGB1P6	ENSG00000259781	-0.38726	2.721006	-3.22645	0.004821	0.009204	-2.7123	2.850396	2.886707	2.700947	2.791417	2.904251	2.865864	3.050103	3.102941	3.162566	3.102524	3.002186	3.218152	2.706013	2.565626	2.330481	3.063688	3.307681	3.215882
AC012640.	ENSG00000259802	0.040671	1.075816	0.213525	0.833388	0.861757	-6.69757	1.826927	1.118985	1.358564	1.104644	1.556428	1.188496	1.074544	0.824004	1.564539	1.891119	2.372288	2.038602	2.079215	2.190279	2.399663	2.211015	1.981819	1.665483
SLC22A31	ENSG00000259803	0.763051	1.921106	9.440739	2.80E-08	2.73E-07	9.154756	0.814199	0.736739	0.598525	0.742604	0.730585	0.563119	0.548589	0.824004	0.629397	4.327889	4.415514	4.405499	5.182581	5.14703	5.168932	4.598895	4.656838	4.292899
AC083843.	ENSG00000259820	0.027551	0.090043	0.11044	0.913318	0.929237	-6.48858	0.667115	0.875715	0.421314	0.934951	0.730585	1.250575	0.782422	1.001115	0.629397	1.457372	2.011405	1.60868	1.365252	1.393161	1.580823	1.177011	1.118494	1.170016
AL390728.	ENSG00000259865	-0.8748	1.335856	-5.425	4.13E-05	0.000137	2.234599	2.526909	2.206444	2.661582	1.791994	1.768674	1.840725	1.816207	2.357042	1.826075	1.964162	1.967585	1.951531	1.218025	1.462417	1.456457	1.708352	1.67689	1.170016
AC009113.	ENSG00000259877	0.270059	1.432489	2.671109	0.015851	0.026607	-3.88321	1.010037	1.327092	0.898566	0.841981	1.2379	1.123626	0.983587	0.622068	0.925731	3.036317	3.232543	3.172678	3.469097	3.357127	3.462206	2.731965	2.95995	2.706008
AC107375.	ENSG00000259891	-0.16015	0.355742	-0.96706	0.346704	0.410995	-6.23116	0.667115	0.661886	0.598525	0.635873	0.625525	0.563119	0.269385	0.824004	0.833554	2.47802	2.500824	2.272125	2.28558	2.21055	2.276326	1.599785	1.851139	1.58715
AC009065.	ENSG00000259933	-0.42392	-0.2962	-1.68133	0.11048	0.150509	-5.36747	0.216396	0.582935	0.323815	0.258133	0.106501	0.106501	0.269385	0.106501	0.39151	2.033684	2.701418	2.53427	2.439743	2.169719	2.058312	2.979529	2.99751	2.880366
AL050341.	ENSG00000259943	0.083989	2.286435	0.703948	0.490738	0.553499	-6.90635	1.475543	1.947501	1.54317	1.578054	1.437317	1.310092	1.525136	1.430416	2.047395	3.882973	3.830249	3.707046	3.942308	4.045377	3.843644	3.200096	3.385297	3.641153
RBM15B	ENSG00000259956	0.081597	6.923662	2.574898	0.01938	0.03186	-4.88721	6.634125	6.587988	6.650893	6.672679	6.683917	6.656599	6.638736	6.553309	6.594935	7.164853	7.183841	7.198637	7.319078	7.280056	7.270951	7.306108	7.265929	7.188239
AC107068.	ENSG00000259959	-0.13433	1.851369	-0.94859	0.355764	0.420231	-6.37939	2.137484	2.448351	2.351095	2.063099	1.718467	1.993763	1.762502	1.85606	1.826075	2.204194	2.372288	2.510098	2.225168	2.398985	2.689384	2.524879	2.48331	2.442395
AC009120.	ENSG00000259972	0.109515	1.001397	0.501746	0.622108	0.676698	-6.4795	1.519087	1.173893	1.256574	1.519216	1.087782	1.367251	1.816207	1.710758	1.777424	2.01088	1.827525	1.696985	1.916818	1.766169	2.121111	1.320757	1.478665	1.739782
AC093010.	ENSG00000259976	1.12146	1.282497	5.368938	4.65E-05	0.000151	2.120697	1.12723	1.551021	1.62731	2.48816	2.193078	2.784269	1.459147	2.147141	2.239236	1.199504	1.725977	1.387696	1.838325	2.10622	2.014873	1.512637	1.67689	1.703111
AC017100.	ENSG00000259985	1.6469	0.838919	3.614933	0.00206	0.004318	-1.428	1.475543	1.631689	1.818408	3.887325	3.410458	3.608819	2.832807	2.801791	2.748518	0.54782	1.029669	0.76743	1.018891	0.345231	0.593579	0.930351	0.924142	0.734116
AL133338.	ENSG00000260000	-0.48845	0.455794	-3.5084	0.002603	0.005312	-1.87142	0.667115	0.875715	0.756332	0.635873	0.828511	0.563119	0.415731	0.824004	0.515351	2.282443	2.546219	2.409144	2.096181	1.871771	1.970087	2.211015	2.124453	1.81044
TGFBR3L	ENSG00000260001	-0.75115	-0.6947	-2.01013	0.06011	0.087756	-4.36404	2.725848	2.966631	3.104764	2.359902	2.605925	2.532704	2.696258	1.945386	2.127218	0.269074	0.185134	0.288049	0.106501	0.106501	0.186984	0.257084	0.19538	0.106501
AC040169.	ENSG00000260018	-0.24309	-0.28996	-1.26926	0.220991	0.276394	-5.77681	0.41387	0.736739	0.323815	0.395333	0.730585	0.563119	0.415731	0.253663	0.256032	1.704765	1.922393	2.213454	1.644349	1.560439	1.826726	1.354562	1.406038	1.322858
CRIM1-DT	ENSG00000260025	1.542816	0.143585	4.507944	0.000291	0.000761	0.481048	1.602421	1.883052	1.987129	2.864145	2.787348	2.741673	2.545421	2.357042	2.376228	0.269074	0.398185	0.230035	0.907968	1.282615	0.910419	0.326864	0.2791	0.214669
HOXB7	ENSG00000260027	-0.26677	-0.4526	-1.31737	0.204726	0.25825	-5.44056	4.428132	4.501192	4.412214	3.933121	4.327153	4.249025	4.000319	4.080322	3.879258	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
NORAD	ENSG00000260032	-0.21229	8.733148	-6.1493	9.47E-06	3.78E-05	2.63674	8.766794	8.771544	8.729762	8.58661	8.464108	8.560987	8.594228	8.711706	8.650669	8.96427	9.025972	8.901716	8.722002	8.752794	8.796257	8.76842	8.729078	8.763025
AC104794.	ENSG00000260077	0.749917	0.309023	3.033856	0.007318	0.013377	-2.68021	0.882475	1.061904	0.512639	1.519216	1.666451	1.250575	0.886508	1.001115	1.171446	1.315703	1.498542	0.993481	1.308151	1.652223	1.488568	0.930351	1.406038	1.322858
MIR762HG	ENSG00000260083	0.134185	0.979376	0.653467	0.52196	0.583721	-6.40876	0.882475	1.118985	0.898566	1.256461	1.2379	1.250575	1.762502	1.605065	1.727075	2.14259	1.851833	2.088428	1.897591	2.039797	1.947161	1.65509	1.981819	1.81044
NA	ENSG00000260114	-0.28439	1.611483	-1.81067	0.087417	0.122391	-5.15386	2.483604	2.655462	2.720234	2.181668	2.078331	1.880533	2.186178	2.108984	1.727075	1.91588	2.115463	1.780195	1.935792	2.148862	1.923865	1.542275	1.737342	1.665483
AC012174.	ENSG00000260115	0.423544	-1.54307	2.392419	0.028214	0.044536	-3.95125	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.423238	1.369793	1.49011	1.858352	1.897007	1.695314	1.419885	1.766644	1.546329
CARMAL	ENSG00000260123	0.622073	-0.09789	2.537168	0.020959	0.034163	-3.50493	1.286899	1.670392	1.499186	1.634586	1.718467	1.993763	1.240874	1.231675	1.727075	0.54782	0.330605	0.54756	0.701742	0.784432	0.707101	0.517985	0.871168	0.497646
AC008915.	ENSG00000260136	0.177336	2.532275	1.157376	0.262691	0.322461	-6.18216	3.100204	3.085957	3.090013	3.54791	3.410458	3.247073	3.788265	3.646467	3.572114	2.37464	2.212518	2.286428	2.529911	2.10622	2.014873	2.229352	2.101639	1.973284
AC124798.	ENSG00000260196	0.13767	0.973268	0.592144	0.561337	0.620836	-6.29747	1.791852	1.978677	2.326135	2.181668	2.264801	2.317553	2.779728	2.220554	2.408535	1.073118	1.300837	1.027938	1.121891	1.120667	0.910419	1.017342	0.69947	1.370407
CD2BP2-D	ENSG00000260219	0.634897	1.882916	4.536709	0.000274	0.00072	0.179028	1.755904	1.374745	1.78216	1.74141	1.612488	2.164723	1.867984	1.710758	2.047395	2.736149	2.469748	2.422156	3.066031	3.233802	3.21594	2.432936	2.447571	2.742606
KDM7A-D	ENSG00000260231	1.169762	0.843592	8.133853	2.39E-07	1.62E-06	7.255149	0.742531	1.002471	0.964748	1.326771	1.498102	1.669505	1.074544	1.082132	1.171446	1.52331	1.588084	1.360915	2.145912	2.671787	2.23906	1.833493	1.981819	1.973284
AC104083.	ENSG00000260244	0.606228	-0.80944	2.915705	0.009434	0.016745	-3.10254	0.318509	0.106501	0.106501	0.258133	0.389229	0.2349	0.106501	0.106501	0.106501	1.814181	2.212518	1.951531	2.412911	2.288901	2.34809	2.283004	1.956613	2.14716
AL035071.	ENSG00000260257	0.130815	0.001416	0.753521	0.461168	0.524712	-6.0451	1.475543	1.374745	1.358564	1.578054	1.498102	1.669505	1.240874	1.549165	1.445026	0.934589	0.799097	0.683459	0.828978	0.784432	0.651457	0.63264	0.572487	0.497646
SNHG19	ENSG00000260260	-0.52703	3.575211	-6.13659	9.71E-06	3.86E-05	3.310492	4.302931	4.377991	4.526184	3.791129	3.923901	3.744443	3.965091	3.956862	4.122646	3.64455	3.66174	3.722908	3.395624	3.223865	3.19663	3.001034	2.972579	3.107809
AC124944.	ENSG00000260261	0.062235	0.141164	0.276145	0.785675	0.821855	-6.39663	0.814199	1.118985	1.028027	1.022291	1.087782	0.830331	0.782422	1.231675	1.0941	0.982259	1.672391	1.094478	1.27873	1.393161	1.17005	0.884806	1.118494	1.370407
LINC02562	ENSG00000260265	-0.25619	1.583203	-1.66915	0.112901	0.153293	-5.46197	2.021155	1.780637	1.499186	1.74141	1.909591	1.526279	1.816207	1.15884	1.445026	2.444376	2.632935	2.382761	2.25569	2.307842	2.07955	2.692858	2.48331	2.442395
PPIAP46	ENSG00000260266	-1.79799	-0.66464	-6.0517	1.15E-05	4.49E-05	3.511621	4.553837	4.619648	4.520694	2.661411	2.686486	2.784269	4.225415	4.147745	4.216877	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC026471.	ENSG00000260267	0.451484	2.146394	3.507331	0.002609	0.005322	-1.97442	2.505419	2.802095	2.700947	2.714828	2.881616	2.719893	2.576877	2.825515	2.723053	1.840286	1.945166	2.136592	2.67247	2.533802	2.497588	2.154563	2.101639	1.942153
AC068338.	ENSG00000260274	0.15329	1.320933	1.35836	0.191625	0.243689	-5.94445	1.286899	1.118985	1.202741	1.022291	1.164793	1.250575	1.074544	1.301009	0.833554	2.427256	2.561038	2.714318	2.802201	2.824271	2.647333	2.831347	2.755911	2.507643
AC022167.	ENSG00000260276	0.029427	1.316023	0.217562	0.83029	0.859428	-6.87727	1.719036	1.465573	1.818408	1.457877	1.164793	1.123626	0.670238	1.001115	0.833554	2.749986	2.817048	2.53427	2.930712	2.824271	2.883013	2.229352	2.101639	1.910335
AL133367.	ENSG00000260285	-0.16583	-0.83044	-0.63133	0.535996	0.597354	-6.29003	0.587539	0.215206	0.219246	0.395333	0.389229	0.106501	0.269385	0.253663	0.256032	1.732907	1.777644	1.653508	1.644349	1.738515	1.51998	1.099384	1.072305	1.273688
LINC01882	ENSG00000260302	-0.42126	-0.89465	-3.77503	0.001449	0.003142	-1.38965	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.777267	2.829342	2.920951	2.579013	2.381211	2.220059	2.935534	2.868308	2.960231
AC104024.	ENSG00000260328	-0.97657	0.292876	-3.27627	0.004325	0.008355	-2.53314	0.947665	1.173893	0.964748	0.106501	0.106501	0.2349	0.106501	0.106501	0.39151	3.255856	3.15652	3.400153	2.661114	2.627242	2.76998	3.245848	3.413359	3.228839
AP002761.	ENSG00000260401	0.001525	1.621249	0.011223	0.991173	0.992427	-7.36838	0.41387	0.215206	0.512639	1.022291	0.625525	1.123626	0.269385	0.509405	0.256032	4.678347	4.55159	4.621149	4.555854	4.488812	4.562043	5.059757	5.060349	5.091828
AC110079.	ENSG00000260404	-0.27446	3.317407	-4.18611	0.000587	0.001413	-0.96827	2.744313	2.784561	3.075109	2.661411	2.57804	2.825643	2.513265	2.511284	2.34318	4.641707	4.529155	4.453822	4.36607	4.154036	4.232958	4.067877	4.211138	4.037057
AC099518.	ENSG00000260430	-1.02909	0.164471	-3.89108	0.001122	0.002503	-0.94165	1.336422	1.226787	1.256574	0.395333	0.389229	0.2349	0.670238	0.509405	0.629397	2.01088	1.945166	1.820066	1.755315	1.16289	1.826726	1.759719	1.795362	1.703111
ATP2A1-A	ENSG00000260442	-0.74964	0.846808	-3.64097	0.001945	0.004105	-1.44536	1.286899	1.780637	1.706811	1.457877	1.307481	1.475193	1.588238	1.491012	1.727075	1.676063	1.529011	1.73919	1.218025	0.888753	0.910419	1.880661	1.981819	1.775544
AL133355.	ENSG00000260461	-0.34448	0.157083	-1.32064	0.203654	0.256989	-5.52594	1.894617	1.277811	1.78216	1.256461	1.437317	1.422231	1.588238	1.231675	0.925731	1.073118	1.112482	0.76743	0.907968	0.671977	0.957066	0.517985	0.759002	1.115245
FAM157C	ENSG00000260528	-0.28336	-0.79028	-1.01234	0.325187	0.388527	-5.99898	0.587539	0.215206	0.323815	0.106501	0.106501	0.461789	0.269385	0.253663	0.256032	1.787595	1.827525	1.60868	1.644349	1.652223	1.851631	1.354562	1.16325	1.739782
COSMOC	ENSG00000260552	0.273686	1.179491	0.730101	0.475002	0.538436	-6.24975	2.416107	2.152784	2.274882	2.143217	1.498102	1.993763	2.858632	2.871824	2.937508	0.934589	1.029669	0.921995	1.797417	1.710321	1.851631	0.884806	1.16325	0.999041
AC132872.	ENSG00000260563	0.228621	1.783768	1.127456	0.27479	0.335232	-6.25453	1.561356	1.883052	1.888281	1.634586	1.2379	1.310092	1.762502	1.710758	2.274723	2.722179	2.674414	2.735323	3.057395	3.253475	3.157218	2.26534	2.410923	2.06284
ERVK13-1	ENSG00000260565	0.464301	2.914964	3.735248	0.001581	0.003401	-1.75119	2.320899	2.37994	2.326135	2.577385	2.948483	2.961768	2.884002	2.981485	3.064594	3.284659	3.584062	3.305013	3.855296	3.622174	3.747398	3.181381	3.337278	3.641153
AC126773.	ENSG00000260577	0.375895	-1.6327	2.299945	0.034017	0.052674	-4.11724	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.490718	1.403073	1.696985	1.838325	1.897007	1.610309	1.482378	1.82352	1.222783
AL590004.	ENSG00000260604	0.529239	-0.73784	1.667235	0.113285	0.153742	-5.43025	0.587539	0.661886	0.421314	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.14259	2.174476	2.435052	3.181815	3.04352	3.272365	1.058946	1.118494	1.115245
RPL23AP9	ENSG00000260615	0.174701	-0.51844	0.399493	0.694369	0.741872	-6.09135	1.990546	2.356396	1.853768	1.634586	1.864131	2.481849	2.058296	2.069791	2.165532	0.415169	0.106501	0.288049	0.234608	0.416769	0.470356	0.183756	0.2791	0.315289
SNAI3-AS1	ENSG00000260630	-0.17282	0.404572	-1.08872	0.291063	0.352458	-5.89843	1.286899	1.631689	1.146821	1.256461	1.2379	1.422231	1.074544	0.915275	1.01237	1.52331	1.467416	1.305813	1.473091	1.120667	1.209118	1.214313	0.975239	1.170016
AL118516.	ENSG00000260708	-0.87533	1.14805	-4.89457	0.000127	0.000364	1.15151	1.861169	1.947501	2.079636	1.393812	1.953662	1.367251	1.762502	1.945386	1.962896	2.204194	1.945166	2.088428	1.218025	1.203912	1.580823	1.571317	1.513652	1.322858
NA	ENSG00000260766	1.115068	2.380834	7.441401	8.12E-07	4.59E-06	5.966381	1.430644	1.327092	2.018628	2.740812	2.71237	2.904994	2.26554	2.540248	2.697131	2.868884	2.632935	2.766268	3.53901	3.495729	3.586098	2.831347	2.908298	2.84714
LINC01963	ENSG00000260804	0.515047	2.765109	4.499375	0.000297	0.000773	0.103839	3.498536	3.928996	3.618004	4.218476	4.149079	4.241401	3.719464	3.978187	3.721038	2.18395	2.135404	1.839597	2.439743	2.363215	2.257813	2.055273	1.851139	2.091498
AC092803.	ENSG00000260805	0.045516	-0.22205	0.234259	0.817506	0.848793	-6.48733	0.742531	0.499412	0.679585	0.395333	0.512209	0.3528	0.548589	0.387194	0.39151	1.239286	1.588084	1.759838	1.838325	1.738515	1.610309	1.419885	1.368306	1.703111
NA	ENSG00000260822	0.416723	3.643274	2.76418	0.013026	0.02236	-3.94965	2.965042	2.853456	3.133821	3.988393	4.091068	4.154771	3.602068	3.659726	3.771595	3.889238	4.186209	3.891447	3.913883	4.045377	3.951255	3.900611	3.842828	3.889829
FBXL19-AS	ENSG00000260852	-0.08754	1.502134	-0.3923	0.699578	0.747101	-6.61933	1.755904	1.780637	1.202741	2.325974	1.817192	2.098749	1.867984	2.220554	2.127218	2.320032	2.135404	2.30059	1.621093	1.897007	1.900186	1.903678	1.851139	2.200755
AL591848.	ENSG00000260855	1.132875	0.636559	3.193527	0.005179	0.00981	-2.25214	2.392887	2.61635	2.739267	3.661095	3.426184	4.062605	3.490873	3.26787	3.357206	0.415169	0.462741	0.594297	0.610222	0.612281	0.404558	0.183756	0.2791	0.497646
ARLNC1	ENSG00000260896	0.402524	0.499606	3.311568	0.004004	0.007793	-2.79637	0.106501	0.215206	0.219246	0.106501	0.25478	0.3528	0.106501	0.106501	0.39151	4.087524	4.14254	4.132188	4.431031	4.509412	4.543056	4.361843	4.07722	4.311289

AL158206.	ENSG00000260912	-0.48933	1.120965	-2.74306	0.013621	0.023254	-3.39822	1.861169	1.978677	1.706811	1.457877	1.2379	1.799787	1.389995	1.367163	1.674905	2.263275	1.875739	1.858866	1.644349	1.871771	1.456457	2.095813	1.478665	1.461048
CCPG1	ENSG00000260916	0.430812	4.430203	5.067831	8.75E-05	0.000263	0.981956	5.20423	5.288212	5.152017	5.619441	5.568621	5.697212	5.750487	5.656635	5.754509	3.312899	3.398501	3.353367	3.675081	3.752319	3.805912	3.31616	3.422593	3.571657
AL158212.	ENSG00000260917	-0.01487	2.349711	-0.09867	0.922525	0.936464	-6.77537	3.792713	3.920993	3.576275	3.533117	3.457132	3.818042	3.602068	3.491964	3.628063	1.704765	1.899254	1.653508	2.009285	2.016959	1.876113	1.571317	1.2488	1.626848
AL031985.	ENSG00000260920	-0.14269	2.459189	-0.97249	0.344073	0.408235	-6.37546	3.183753	3.286138	3.309643	2.548252	2.835252	2.741673	3.258446	3.250449	3.306673	2.204194	2.115463	2.038602	2.357702	2.451029	2.399663	2.464239	2.535313	2.687355
CAPN10-D	ENSG00000260942	0.050835	0.221591	0.217597	0.830263	0.859428	-6.51714	0.882475	1.061904	1.146821	1.182548	1.006428	1.055701	0.983587	0.726566	0.256032	1.555182	1.777644	1.333627	1.776519	1.462417	1.390007	1.354562	1.368306	1.115245
AP001486.	ENSG00000260966	0.888657	-0.26318	2.790344	0.012324	0.021278	-2.9653	1.642349	1.551021	1.62731	2.48816	1.909591	2.675323	2.340763	1.945386	2.440135	0.269074	0.398185	0.34382	0.46104	0.484926	0.335616	0.257084	0.19538	0.497646
WFDC21P	ENSG00000261040	0.44091	-0.2108	0.878146	0.391776	0.456672	-5.95668	1.336422	1.81559	1.667608	0.841981	1.612488	1.840725	0.670238	1.491012	1.0941	0.609835	0.524532	0.76743	1.054048	1.320413	1.456457	0.326864	0.816175	0.106501
AC092718.	ENSG00000261061	-1.32347	2.029927	-6.01066	1.25E-05	4.81E-05	3.352195	2.416107	2.596389	2.423483	1.888135	2.078331	2.317553	2.779728	2.650616	2.697131	2.906434	2.829342	2.756026	1.218025	1.766169	1.247156	2.625227	2.711397	3.079476
AL512274.	ENSG00000261068	0.976922	-1.00845	6.433913	5.40E-06	2.33E-05	4.179262	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	2.427256	2.095243	2.088428	2.930712	2.901116	3.147195	1.926335	1.930959	2.14716
AC124312.	ENSG00000261069	0.15387	0.584687	0.746723	0.465158	0.528708	-6.25388	1.12723	1.061904	1.088647	1.393812	1.666451	1.526279	0.782422	1.301009	1.0941	1.555182	1.672391	1.49011	1.597456	1.16289	1.51998	1.214313	1.478665	1.703111
AL441883.	ENSG00000261071	-0.0337	0.329434	-0.16957	0.867299	0.89088	-6.70735	0.882475	1.061904	0.512639	0.635873	0.828511	0.3528	0.269385	0.726566	0.515351	2.37464	2.372288	2.152295	2.28558	2.326537	2.513282	1.708352	1.878239	1.322858
AC007066.	ENSG00000261094	-0.05988	0.230676	-0.30992	0.760286	0.800707	-6.54611	0.742531	0.8079	0.964748	0.934951	0.512209	0.830331	0.670238	0.915275	0.39151	1.940223	1.922393	1.839597	1.797417	2.039797	1.851631	1.177011	1.707432	1.058313
AC093904.	ENSG00000261104	0.614137	-0.16966	9.889407	1.40E-08	1.57E-07	9.959267	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.709722	3.817963	3.613714	4.268416	4.230476	4.385705	4.031767	4.017531	4.037057
TMEM178I	ENSG00000261115	1.69399	0.450565	5.161151	7.18E-05	0.000221	1.801198	3.454357	3.196163	3.28395	4.982834	4.911451	5.019826	3.841036	3.736817	3.437684	0.190076	0.259702	0.16959	0.5125	0.190544	0.263213	0.326864	0.2791	0.106501
EPPK1	ENSG00000261150	0.257285	1.639316	1.454397	0.163559	0.21205	-6.42951	0.587539	0.582935	1.146821	0.52061	0.25478	0.106501	0.548589	0.106501	0.256032	4.960093	5.510473	4.892917	5.511428	5.401859	5.422676	5.348947	5.456227	5.1812
AC107027.	ENSG00000261167	0.91033	1.032829	5.604078	2.85E-05	9.82E-05	2.65079	2.021155	2.068355	1.888281	2.359902	2.633282	2.652511	2.637802	2.702788	2.82232	0.669294	0.695454	0.807652	1.392977	1.428204	1.129895	1.099384	1.024588	1.115245
SPINT1-AS	ENSG00000261183	0.48986	0.80097	3.676457	0.001799	0.00383	-2.02089	0.503316	0.499412	0.598525	0.258133	0.25478	0.461789	0.106501	0.253663	0.106501	3.812196	3.811781	3.896118	4.414217	4.455227	4.237689	3.793775	4.041704	3.753014
Z95115.1	ENSG00000261188	0.453893	2.303911	2.421359	0.026597	0.042307	-4.50667	1.791852	1.173893	1.667608	1.022291	1.006428	1.422231	2.102195	1.988058	1.873138	3.825326	3.695711	3.674791	4.352013	4.307781	4.27499	3.307556	3.485627	3.498643
AL031058.	ENSG00000261189	0.311757	-1.06334	0.95068	0.354729	0.419217	-6.03466	0.503316	0.106501	0.219246	0.106501	0.25478	0.106501	0.269385	0.106501	0.39151	1.315703	1.498542	1.514616	1.667235	2.10622	1.826726	1.482378	1.547811	1.504318
AL031123.	ENSG00000261211	0.553717	-0.72035	2.295298	0.034336	0.053122	-4.18652	0.216396	0.316291	0.219246	0.258133	0.106501	0.461789	0.415731	0.253663	0.106501	1.704765	1.55885	1.538714	2.145912	2.039797	2.036756	1.926335	1.547811	1.739782
ZNF865	ENSG00000261221	0.22296	4.464089	2.414202	0.026988	0.042815	-4.89083	3.672523	3.896716	4.065319	3.988393	4.167908	3.643939	3.761137	3.798055	3.856018	4.880563	5.092794	5.294235	5.375589	5.410647	5.348066	5.382106	5.138081	4.906683
BOP1	ENSG00000261236	-0.28182	7.126724	-4.20886	0.000559	0.001353	-1.42452	6.75287	6.783823	6.91009	6.390287	6.690443	6.483221	6.524402	6.407668	6.500674	7.69034	7.714981	7.946644	7.625155	7.468072	7.466519	7.843471	7.70249	7.585161
ATP2C2-AS	ENSG00000261286	0.653947	-0.78787	2.390823	0.028305	0.044661	-3.89554	0.318509	0.106501	0.512639	0.258133	0.25478	0.461789	0.269385	0.387194	0.39151	1.116489	1.265082	1.277453	1.573426	1.681564	1.667532	1.734264	1.368306	1.222783
NA	ENSG00000261295	-0.16299	0.878549	-0.85082	0.406376	0.471451	-6.23694	1.561356	1.780637	1.146821	1.634586	1.164793	1.055701	1.459147	1.001115	1.244857	1.91588	1.467416	1.820066	1.621093	1.652223	1.826726	1.571317	1.878239	1.910335
AC010168.	ENSG00000261324	1.038943	-1.09006	3.788916	0.001405	0.003054	-1.12952	0.216396	0.215206	0.106501	0.106501	0.25478	0.3528	0.269385	0.253663	0.106501	1.158593	1.672391	1.277453	1.973006	2.10622	2.330481	1.177011	1.16325	1.504318
AC116913.	ENSG00000261351	0.599429	0.11702	1.854632	0.080599	0.113762	-4.80137	0.742531	1.002471	0.512639	1.519216	1.006428	1.188496	1.762502	0.622068	1.50602	1.199504	1.07167	1.188864	1.248697	1.462417	1.17005	0.974502	1.2488	0.734116
VPS9D1-AS	ENSG00000261373	-0.2135	4.837379	-2.51306	0.02203	0.035733	-4.75519	4.199669	3.976101	4.242513	4.316764	4.120365	4.499659	4.045989	4.212157	4.270596	5.640283	5.608245	5.728007	5.352829	5.246098	5.314871	5.697389	5.804117	5.830433
AC108860.	ENSG00000261437	0.3829	-1.34974	3.526619	0.002501	0.005125	-1.75852	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.704765	1.875739	1.933468	2.079215	2.039797	2.257813	1.926335	2.146913	2.003758
LINC01003	ENSG00000261455	0.577492	0.796489	3.218619	0.004904	0.009338	-2.4965	0.503316	1.002471	0.756332	0.841981	1.2379	1.422231	0.548589	1.001115	1.171446	2.18395	1.989662	2.104662	2.357702	2.48471	2.528806	1.85727	2.315011	2.033602
AC092368.	ENSG00000261512	0.448124	1.576237	3.182114	0.005309	0.010028	-2.63197	1.384302	1.374745	1.62731	2.21912	1.909591	2.258349	1.525136	1.549165	1.620777	2.320032	2.053933	2.243088	2.439743	2.433888	2.23906	2.524879	2.37332	2.350536
AC012615.	ENSG00000261526	0.300843	0.370901	1.52419	0.145351	0.191387	-5.44627	1.12723	0.661886	0.898566	1.104644	0.625525	1.250575	0.548589	1.231675	0.735084	1.616888	1.8028	1.631268	1.973006	1.897007	1.851631	1.250674	1.406038	1.322858
AL596244.	ENSG00000261534	0.126599	1.620651	1.108968	0.282471	0.343396	-6.36332	1.12723	1.061904	1.358564	1.393812	1.498102	1.310092	1.459147	1.001115	0.925731	2.894025	3.250939	3.203153	3.181815	3.141796	3.225499	2.625227	3.093137	2.778299
SMG1P7	ENSG00000261556	-0.67517	0.282352	-2.9138	0.009472	0.016808	-2.82818	1.719036	1.849715	1.818408	1.791994	1.087782	1.714252	1.816207	1.491012	1.873138	0.88529	0.89579	1.219002	0.5125	0.784432	0.533283	0.738851	0.924142	0.805046
AC097639.	ENSG00000261572	0.063161	-0.26885	0.312918	0.758046	0.798838	-6.85311	0.216396	0.106501	0.106501	0.395333	0.389229	0.2349	0.106501	0.106501	0.256032	2.881509	3.055486	3.157196	2.88263	2.850343	2.99902	2.855159	2.95995	2.397196
AP003119.	ENSG00000261578	-0.56856	4.675348	-2.94349	0.008888	0.015894	-3.57873	5.682365	5.634949	5.651273	5.236746	5.128856	5.338414	7.212248	7.053973	7.127389	3.751589	3.866492	3.513924	2.921223	2.985883	2.730245	3.912008	3.85652	4.122853
GAN	ENSG00000261609	-0.57972	4.277609	-12.5148	3.72E-10	8.55E-09	13.50715	4.232739	4.318312	4.153091	3.647423	3.630051	3.608819	3.928981	3.84524	3.808383	5.066207	5.184173	5.049965	4.589193	4.604394	4.512148	4.796302	4.718118	4.735671
NA	ENSG00000261643	0.081176	0.111195	0.333908	0.742422	0.784512	-6.26953	1.475543	1.591918	1.146821	1.688986	1.373859	1.188496	1.867984	1.710758	1.962896	0.7264	0.748206	0.76743	0.907968	0.612281	0.910419	0.576451	0.759002	0.659518
C15orf65	ENSG00000261652	0.44855	1.427314	3.205168	0.005049	0.009582	-2.50764	1.602421	1.631689	1.54317	2.291228	2.078331	2.029614	1.525136	2.069791	1.777424	1.676063	2.053933	1.969371	2.193986	1.871771	2.18129	1.970607	1.956613	1.844513
Z92544.1	ENSG00000261659	-0.24118	1.475626	-2.41403	0.026998	0.042826	-4.24817	1.235614	1.327092	1.146821	0.934951	0.828511	1.055701	1.317361	1.367163	1.38134	2.736149	2.900983	2.87437	2.661114	2.627242	2.821313	3.298901	3.127424	2.928814
H2BC20P	ENSG00000261716	1.059192	2.974249	6.348457	6.39E-06	2.69E-05	3.771515	1.681202	2.009193	1.453818	3.083078	2.811499	3.292047	2.752438	3.122225	3.162566	3.376719	3.709078	3.312021	4.167687	4.317159	4.189664	3.685048	3.511821	3.788453
CLCA4-AS1	ENSG00000261737	-0.34041	-0.34127	-1.04577	0.309917	0.372438	-5.89617	0.814199	1.002471	0.829201	1.256461	1.006428	0.2349	0.269385	0.253663	0.735084	1.199504	1.435603	1.333627	1.154653	1.357245	1.046067	0.974502	1.024588	1.170016
AC008555.	ENSG00000261754	0.928457	-1.19418	3.356386	0.003631	0.007131	-1.99306	0.106501	0.106501	0.106501	0.258133	0.389229	0.2349	0.106501	0.253663	0.39151	1.352446	1.467416	1.219002	1.644349	1.766169	1.488568	1.320757	1.766644	1.461048
LINC02582	ENSG00000261780	1.087367	-0.84245	4.501166	0.000295	0.000771	0.477225	2.965042	3.155816	3.104764	4.122913	4.1957	4.233737	3.296733	3.250449	3.044176	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC007406.	ENSG00000261799	1.092864	1.865808	7.608758	6.00E-07	3.55E-06	6.358464	1.990546	2.37994	2.166567	3.123142	2.85862	3.136338	2.480375	2.596487	2.937508	1.239286	1.699433	1.360915	2.343563	2.23054	2.07955	2.013561	1.851139	2.14716
LOXL1-AS1	ENSG00000261801	-0.12207	1.756967	-0.64813	0.525324	0.586793	-6.61951	2.021155	2.125186	2.300736	1.256461	1.2379	1.422231	1.70672	1.988058	2.047395	2.30136	2.546219	2.473063	2.749557	2.797719	2.618601	2.464239	2.392244	2.59029
AC007342.	ENSG00000261804	-0.58481	-1.35358	-2.78612	0.012434	0.021446	-3.20323	0.106501	0.215206	0.323815	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.814181	1.752042	1.800268	1.248697	1.393161	1.488568	1.542275	1.478665	1.626848
LINC00662	ENSG00000261824	-0.11763	3.342549	-0.6062	0.552176	0.611987	-6.99324	4.245758	4.065935	3.955676	3.123142	3.378481	2.998412	3.405851	3.302095	3.498982	3.420635	3.166245	3.232997	3.635009	3.745389	3.856005	3.236813	3.116085	3.375875
AC040162.	ENSG00000261884	0.03451	-4.82E-05	0.115654	0.909245	0.925622	-6.38429	0.742531	1.173893	0.598525	0.934951	1.164793	1.575618	0.670238	1.082132	1.0941	1.239286	1.403073	0.921995	0.945898	1.077171	0.707101	1.250674	1.16325	1.115245
PCDHGA9	ENSG00000261934	-0.01074	0.026832	-0.04511	0.964533	0.970666	-6.42243	0.587539	0.736739	0.421314	0.841981	0.625525	0.909432	1.317361	1.15884	0.735084	1.555182	1.369793	1.305813	1.365252	1.120667	1.08859	1.286141	1.513652	1.58715
MMP25-AS	ENSG00000261971	1.157104	2.254881	9.744522	1.75E-08	1.88E-07	9.811062	2.245129	2.232543	2.079636	3.06262	3.073582	3.321269	2.933443	2.825515	2.937508	2.056133	2.053933	1.877881	2.921223	3.020741	2.743612	2.211015	2.146913	2.226823
DLGAP1-AS	ENSG00000262001	-1.49309	1.885621	-10.9696	2.91E-09	4.37E-08	11.4689	3.183753	3.417081	3.148134	2.255624	2.03796	1.840725	2.957542	2.801791	2.82232	2.558849	2.212518	2.396013	1.27873	1.393161	1.284217	1.627702	2.030948	1.910335
AC139530.	ENSG00000262049	-0.91295	1.807725	-7.16517	1.35E-06	7.08E-06	5.42925	1.927307	1.508929	1.667608	1.326771	1.373859	1.422231	1.160105	1.491012	0.833554	3.512789	3.709078	3.999574	2.760241	2.925848	2.906973	2.878584	2.895091	2.570068
AC092115.	ENSG00000262136	-0.26207	0.11196	-0.89345	0.383755	0.448459	-5.97281	0.882475	1.002471	1.406977	0.742604	1.087782	0.746642	1.588238	1.301009	1.727075	1.028404	1.152172	1.061592	0.869014	1.320413	0.957066	1.419885	0.816175	0.805046
AC020978.	ENSG00000262160	0.811883	-0.16927	4.825289	0.000147	0.000415	0.694941	0.318509	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.906434	3.136872	2.948194	3.789021	3.921728	3.898452	3.374993	3.579432	3.540816
LINC02861	ENSG00000262185	1.47393	1.823705	7.455532	7.91E-07	4.49E-06	6.087292	1.755904	2.009193	1.78216	3.273122	2.926537	3.321269	2.724622	2.848856	2.798137	1.457372	1.752042	1.49011	2.51737	2.671787	2.276326	1.320757	1.737342	1.58715
PCDHGB3	ENSG00000262209	0.398517	0.387736	1.778982	0.09264	0.129043	-5.05125	0.503316	0.940485	1.088647	0.52061	0.625525	1.055701	0.782422	1.082132	1.0941	1.423238	1.725977	1.49011	1.935792	1.993753	2.014873	1.784732	1.478665	1.844513
CORO7	ENSG00000262246	0.531795	0.869912	3.137543	0.005848	0.010944	-2.5161	1.235614	1.420874	1.706811	1.978268	1.498102	1.757653	1.317361	1.549165	1.873138	1.278001	1.228418	1.277453	1.573426	1.738515	1.580823	1.419885	1.289746	1.775544
MIR193BH	ENSG00000262454	1.139841	0.390981	5.202647	6.58E-05	0.000205	1.828301	0.503316	1.061904	0.679585	1.326771	0.92021	1.669505	0.983587	0.824004	0.833554	0.934589	1.190799	1.219002	1.838325	1.710321	1.851631	1.948641	1.766644	1.942153
LINC01569	ENSG00000262468	0.169926	1.074632	0.962171	0.349087	0.413304	-6.06195	2.568952	2.009193	2.399755	2.518519	2.333126	2.346268	2.186178	2.147141	2.239236	1.116489	1.152172	1.333627	1.420179	1.393161	1.247156	0.738851	1.072305	0.805046
PCDHGA4	ENSG00000262576	0.789683	0.662989	3.189995	0.005218	0.009881	-2.51426	0.667115	0.582935	0.512639	1.457877	1.307481	1.422231	0.782422	1.231675	0.39151	1.98771	2.285719	1.439812	2.329284	2.190279	2.10048	2.095813	2.146913	2.226823
AC087741.	ENSG00000262580	0.541609	1.529873	3.565792	0.002294	0.004745	-1.79158	1.894617	1.81559	1.921989	2.103714	2.333126	2.763128	1.762502	1.605065	1.50602	1.865926	2.095243	1.986992	2.42639	2.48471	2.036756	1.571317	2.054898	1.504318
NA	ENSG00000262621	-0.21403	0.443233	-0.96428	0.348057	0.412325	-5.93849	2.165157	1.947501	1.30847	1.688986	1.307481	1.575618	1.588238	1.658879	1.826075	0.934589	0.799097	1.126631	1.018891	1.032323	0.812339	0.837776	0.871168	0.999041
AC012676.	ENSG00000262712	0.224862	1.081371	0.918588	0.370814	0.435517	-6.08974	1.861169	1.915637	1.78216	2.359902	2.366112	2.098749	2.446718	1.85606	2.047395	0.88529	1.435603	1.439812	1.186687	1.495836	0.862212	1.482378	1.766644	1.273688
AC007342.	ENSG00000262714	-0.55486	-1.43505	-1.91288	0.072292	0.103379	-4.77146	0.106501	0.410755	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	1.76051	1.644832	2.055402	1.689764	1.282615	1.423614	1.512637	1.478665	1.115245
MRPL12	ENSG00000262814	0.32933	3.764595	1.705928	0.105728	0.14474	-5.90408	3.562366	3.526613	4.003689	3.51817	4.020303	3.700636	3.647218	3.285084	3.808383	3.216534	3.860515	4.264509	4.191564	4.331113	4.27499	4.60593	4.357943	3.56145
AC005670.	ENSG00000262879	0.131323	2.598343	1.427372	0.171095	0.220535	-5.94968	3.114469	2.950996	2.883112	3.06262	3.170134	3.03415	3.072345	3.002451	2.981126	2.664903	2.753956	2.638296	2.83289	2.797719	2.743612	2.554269	2.48331	2.200755
NA	ENSG00000262888	0.747326	0.248202	3.162293	0.005542	0.010433	-2.35795	1.475543	1.591918	1.30847	2.325974	2.229385	2.164723	1.074544	1.231675	1.38134	0.934589	0.695454	0.921995	1.308151	0.784432	0.812339	0.576451	0.871168	0.497646
AC027796.	ENSG00000262903	-0.41702	0.695121	-1.68124	0.110499	0.150519	-5.06949	2.568952	2.332462	2.621113	1.978268	1.864131	1.919272	2.412257	2.451551	2.34318	0.88529	0.941811	0.726056	0.701742	1.032323	1.129895	0.517985	0.816175	0.580851
CCNQ	ENSG00000262919	-0.10666	4.768557	-1.48494	0.155372	0.20308	-6.40418	5.000411	5.164879	5.134153	4.759555	4.982309	4.78306	5.003988	5.098392	5.141238	4.5772	4.386688	4.714017	4.656506	4.521632	4.595601	4.838721	4.70304	4.753714
AC129507.	ENSG00000262920	0.934481	-1.18919	8.37285	1.59E-07	1.15E-06	7.654215	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.76051	1.875739	1.951531	2.67247	2.700737	2.647333	2.35157	2.101639	2.174206
GTF2I	ENSG00000263001	0.826523	5.852128	7.87041	3.78E-07	2.39E-06	6.170895	4.428132	4.57954	4.314076	5.7878	5.818465	5.935541	4.902122	5.007978	5.010523	6.48061	6.543633	6.505084	7.026159	7.01854	7.046001	6.554556	6.440703	6.505438
ZNF234	ENSG00000263002	0.232302	3.773255	2.385524	0.028612	0.04509	-4.7528	3.349713	3.35903	3.466347	3.408969	3.207016	3.472196	3.814892	3.786013	3.708117	4.207702	4.247042	4.059098	4.505944	4.463697	4.468538	4.185243	4.123255	4.058989
ROCK1P1	ENSG00000263006	-0.76257	0.471624	-2.15673	0.045223	0.067894	-4.29001	2.19231	2.232543	2.5366	1.326771	0.92021	0.984419	1.917967	1.760835	1.445026	0.7264	0.941811	0.807652	1.088368	1.203912	0.957066	0.837776	1.16325	1.058313
NA	ENSG00000263013	-0.03139	0.628717	-0.18022	0.859056	0.88356	-6.52035	1.336422	1.061904	1.30847	1.104644	1.087782	0.909432	0.886508	1.549165	1.38134	1.646779	1.369793	1.514616	1.573426	1.462417	1.801384	1.681967	1.737342	1.504318
ZNF213-AS	ENSG00000263072	0.430136	1.742741	3.580585	0.002221	0.004615	-1.82422	2.021155	2.009193	2.221741	2.143217	2.299368	2.629332	1.762502	1.809233	1.727075	2.356666	2.135404	2.34226	2.51737	2.729118	2.743612	1.571317	1.956613	1.626848
MYZAP	ENSG00000263155	0.585509	-0.80196	1.09752	0.287305	0.348411	-5.87191	0.216396	0.106501	0.219246	1.022291	1.2379	1.123626	0.106501	0.106501	0.256032	1.52331	1.190799	1.46518	0.907968	1.462417	1.355599	1.512637	1.581179	1.665483
RPS7P1	ENSG00000263266	-0.22252	1.965114	-1.25785	0.224993	0.280733	-5.94908	2.505419	2.748839	3.029452	3.06262	2.633282	2.805104	2.858632	2.650616	2.959482	2.409929	1.967585	2.120715	1.733794	1.710321	1.667532	1.571317	1.956613	1.58715
TAPT1-AS1	ENSG00000263327	0.711362	1.868658	5.151381	7.33E-05	0.000225	1.619893	2.369288	2.179863	2.514675	2.97776	2.71237	2.961768	2.752438	2.777669	2.892531	1.646779	1.498542	1.653508	1.99126	2.307842	2.200805	1.512637	1.878239	1.775544
NFE2L1-DT	ENSG00000263412	-0.6865	0.224897	-2.05453	0.05519	0.081289	-4.4576	1.336422	1.631689	0.964748	0.395333	1.087782	0.984419	1.70672	1.605065	1.674905	1.388276	1.190799	1.305813	1.186687	0.888753	1.129895	0.884806	0.924142	0.93723
SRSF8	ENSG00000263465	0.455865	6.000243	11.18384	2.16E-09	3.42E-08	11.51857	5.253402	5.349122	5.300357	5.591153	5.741991	5.722075	5.701383	5.643348	5.650287	6.128749	6.099342	6.24073	6.642416	6.659798	6.634428	6.734628	6.655652	6.698276
FAM72C	ENSG00000263513	-2.45681	0.205924	-9.44656	2.77E-08	2.71E-07	9.002294	1.791852	1.947501	1.888281	1.182548	0.512209	0.830331	1.459147	1.658879	1.50602	1.490718	1.467416	1.585733	0.294634	0.345231	0.404558	1.250674	1.406038	1.58715
IKBKE	ENSG00000263528	0.890586	3.259303	6.804251	2.65E-06	1.26E-05	4.61891	2.815895	2.819419	3.25779	3.255206	3.093416	3.086148	3.352323	2.960209	3.124172	3.165825	3.339557	3.240362	4.35554	4.358622	4.342433	3.617041	3.603991	3.679412
LINC02864	ENSG00000263711	0.672703	4.306696	3.579412	0.002227	0.004623	-2.27259	4.29042	4.12982	4.262385	5.483695	5.484749	5.497281	5.228555	5.246342	5.07736	3.737768	3.748453	3.804677	3.520276	3.793216	3.629946	3.945668	3.999132	4.122853
AC145207.	ENSG00000263731	-0.60134	1.157201	-3.84786	0.001234	0.002721	-1.05534	1.791852	2.125186	2.018628	1.457877	1.498102	1.310092	1.816207	2.184314	1.674905	1.704765	1.588084	1.759838	1.597456	1.16289	1.456457	1.880661	1.981819	1.942153
LINC00667	ENSG00000263753	0.435104	4.942788	8.664192	9.75E-08	7.72E-07	7.718264	4.456406	4.406929	4.553323	4.892995	4.960875	4.93257	4.908318	4.765849	4.849226	5.001167	5.008809	5.145251	5.487516	5.401859	5.46364	5.269218	5.214498	5.130317
AC022211.	ENSG00000263843	-0.56588	0.953723	-3.9922	0.000899	0.002061	-0.88276	1.069823	0.875715	1.028027	1.182548	0.92021	1.055701	0.983587	0.915275	0.925731	2.574485	2.753956	2.796562	2.162115	1.846087	2.257813	2.229352	2.169028	2.003758
SNORD3A	ENSG00000263934	-0.09775	2.057176	-0.52705	0.604788	0.661191	-6.71525	2.27083	2.61635	2.049454	2.143217	2.460774	1.993763	2.144798	2.451551	2.202855	2.635389	2.687979	2.228347	1.935792	2.596763	2.930541	2.554269	2.601856	2.397196
NBPF11	ENSG00000263956	0.082565	3.511514	1.040959	0.312081	0.374818	-6.64946	3.87042	3.846899	3.863273	3.727576	3.759832	3.828257	3.571163	4.019913	3.733845	3.385609	3.547323	3.312021	3.617489	3.560336	3.644271	3.358427	3.476789	3.364179
AC015813.	ENSG00000264112	-0.6576	2.487693	-3.76549	0.001479	0.003205	-1.53709	3.476616	3.260998	3.576275	2.887595	2.926537	2.94309	2.303642	2.753138	2.748518	3.255856	3.524821	2.592986	2.694919	2.250257	2.399663	1.759719	1.956613	2.200755
LINC00909	ENSG00000264247	-0.20398	2.756761	-1.79744	0.089565	0.125048	-5.39183	3.58303	3.741788	3.576275	3.456785	3.170134	3.119801	3.457463	3.446787	3.453254	2.444376	2.575707	2.435052	2.343563	2.596763	2.703134	2.384669	2.410923	2.668457
SNRPGP2	ENSG00000264350	-0.33709	0.855682	-1.65675	0.115411	0.156314	-5.2148	2.051128	1.508929	1.818408	1.393812	1.307481	1.575618	1.525136	1.760835	1.777424	1.704765	1.403073	1.514616	1.473091	1.120667	1.695314	1.214313	1.547811	0.999041
DYNLL2	ENSG00000264364	0.204916	7.186483	2.895452	0.009852	0.017435	-4.25454	6.025852	6.118783	6.005837	6.301416	6.329843	6.381113	7.214749	7.198386	7.196093	7.579929	7.611561	7.644031	7.775238	7.708864	7.780016	8.246538	8.216769	8.234006
AC138207.	ENSG00000264456	-0.26088	-0.18138	-1.26076	0.223968	0.279666	-5.69507	0.667115	0.736739	0.598525	0.395333	0.25478	0.563119	0.548589	0.622068	0.735084	1.704765	1.588084	1.514616	1.667235	1.560439	1.51998	1.387593	1.072305	1.504318
OTUD7B	ENSG00000264522	-0.28116	5.766309	-4.22017	0.000545	0.001325	-1.24723	6.018285	5.898074	5.949748	5.487537	5.47722	5.45506	5.578564	5.650007	5.574002	6.128749	6.105673	6.139972	6.006965	5.974523	5.994819	5.647126	5.678704	5.523749
SUZ12P1	ENSG00000264538	0.202688	2.671339	1.867677	0.078669	0.11138	-5.31946	2.629805	2.693541	2.700947	2.864145	3.242978	2.961768	3.178682	3.083395	2.959482	2.708071	3.126946	2.724859	2.902055	2.925848	2.846311	2.924322	2.755911	2.79582
LINC00526	ENSG00000264575	-0.12009	1.081915	-0.79317	0.438314	0.502811	-6.48389	1.12723	1.591918	1.028027	1.326771	0.625525	1.123626	1.074544	0.726566	1.01237	2.494552	2.500824	2.581432	2.439743	2.433888	2.661487	2.154563	2.410923	2.119598
NA	ENSG00000264885	0.093261	1.35626	0.622994	0.541333	0.602066	-6.5667	1.826927	1.591918	1.453818	1.104644	1.718467	1.526279	1.317361	1.491012	1.244857	2.14259	2.303453	2.055402	2.24051	2.363215	2.481722	2.35157	2.006592	2.48622
AC018521.	ENSG00000264920	-0.46584	1.233754	-2.33695	0.031572	0.049259	-4.23864	2.137484	2.206444	1.987129	1.393812	1.087782	1.367251	1.317361	1.15884	1.564539	2.243849	1.922393	2.16783	2.193986	2.190279	1.801384	1.681967	2.169028	1.504318
GJA5	ENSG00000265107	-0.51992	1.237916	-1.93629	0.069174	0.099409	-4.59739	7.313449	7.298801	7.16711	6.844286	6.642445	6.740116	8.055442	7.946974	7.982563	0.190076	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
ANXA8	ENSG00000265190	1.291637	0.983544	3.507882	0.002605	0.005317	-1.79532	1.12723	1.327092	1.358564	2.425456	2.57804	2.455733	0.670238	0.915275	1.314712	0.88529	1.190799	1.439812	1.954519	1.970168	1.610309	2.135245	2.274787	2.14716
RBM8A	ENSG00000265241	-0.66127	7.739316	-12.9045	2.29E-10	5.94E-09	13.72135	7.975989	7.938606	7.874862	7.08644	7.084063	7.105016	7.573602	7.532457	7.590404	8.192106	8.109914	8.165318	7.629532	7.665926	7.648961	8.099783	8.094995	8.069085
AC129926.	ENSG00000265246	0.150015	-1.45084	0.804625	0.431846	0.496431	-6.24397	0.216396	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.704765	1.945166	2.004401	2.162115	1.946191	2.036756	1.286141	1.442809	1.170016
NA	ENSG00000265263	0.156915	0.28737	0.789488	0.440407	0.504778	-6.11618	1.336422	1.173893	1.146821	1.256461	1.087782	1.714252	1.074544	1.491012	1.171446	1.158593	1.190799	1.094478	1.336984	0.888753	1.355599	1.058946	0.924142	0.872651
TIMM23	ENSG00000265354	-0.43845	6.418186	-8.82184	7.52E-08	6.25E-07	7.832184	7.130777	7.096948	7.037605	6.560435	6.495526	6.502484	6.940263	6.803764	6.838194	6.232183	6.165079	6.247143	5.954437	5.920171	5.870866	6.054394	5.966024	6.03792
AP005119.	ENSG00000265417	0.781899	-1.49735	3.932387	0.001025	0.002313	-0.81776	0.216396	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.158593	1.498542	1.188864	1.838325	1.819936	1.900186	1.387593	1.581179	1.665483
AC132938.	ENSG00000265458	-0.20079	0.923164	-1.2503	0.227671	0.283727	-5.93288	1.336422	1.173893	0.756332	1.182548	1.006428	1.188496	1.240874	0.726566	1.171446	2.494552	2.42184	2.07201	2.145912	1.970168	2.058312	2.055273	1.956613	2.033602
RNF115	ENSG00000265491	0.586496	6.023444	5.292101	5.46E-05	0.000174	1.084995	5.87482	5.750092	5.767078	6.776816	6.754132	6.854475	6.335028	6.391864	6.359073	5.667877	5.70649	5.849781	5.936886	5.921708	5.906957	5.697389	5.59133	5.706224
MIR4664	ENSG00000265660	-0.27783	0.227503	-0.95553	0.352338	0.416703	-5.98487	1.286899	1.465573	1.585853	0.52061	1.006428	0.909432	1.459147	0.622068	1.171446	1.116489	1.265082	1.027938	1.446877	1.320413	1.247156	1.320757	1.024588	1.222783
RARA-AS1	ENSG00000265666	0.120861	1.267661	0.621489	0.5423	0.603012	-6.38199	2.165157	2.206444	1.888281	2.143217	1.864131	2.317553	2.412257	2.029503	2.530983	1.388276	1.435603	1.60868	1.733794	1.462417	1.610309	1.177011	1.581179	1.058313
RPL17	ENSG00000265681	-0.44038	2.465035	-3.32176	0.003916	0.007641	-2.49511	3.19722	2.982098	3.06005	2.143217	2.490996	2.22781	2.376953	2.511284	2.408535	2.83033	2.779525	2.948194	2.717023	2.657091	2.833866	2.878584	2.921385	2.960231
MAFG-DT	ENSG00000265688	0.539181	2.83424	3.244562	0.004634	0.008885	-2.75066	2.483604	2.853456	2.558197	3.51817	3.531716	3.485165	2.607661	2.623806	2.501332	2.955028	2.841532	2.930089	3.173846	3.213858	3.106389	3.508614	3.537548	3.228839
ZNF488	ENSG00000265763	-0.70818	-0.07153	-2.18257	0.042978	0.064927	-4.51931	0.503316	0.736739	0.679585	0.742604	1.087782	0.563119	0.106501	0.253663	0.106501	2.224158	2.372288	2.088428	1.524131	1.622273	1.51998	2.115663	2.254246	2.174206
SEC22B	ENSG00000265808	0.149549	6.591958	3.408439	0.00324	0.006439	-3.0958	6.830535	6.849594	6.72914	7.034865	6.931266	7.018455	6.88636	7.060236	6.977966	6.22477	6.213955	6.300088	6.337271	6.342624	6.375769	6.189303	6.27216	6.365783
LINC00668	ENSG00000265933	-1.20314	-1.072	-4.3152	0.000443	0.001101	0.104028	3.738482	3.952741	3.764544	2.48816	2.660129	2.605775	3.137083	2.676938	2.697131	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
TXNIP	ENSG00000265972	0.137714	7.820455	1.312989	0.206165	0.259951	-7.08064	6.531548	6.831564	6.663402	7.192629	7.084063	7.256415	6.346481	6.692053	6.381626	8.900568	9.035786	8.826021	8.760424	8.904178	8.816954	8.861185	8.930224	8.90677
SRGAP2	ENSG00000266028	0.254305	4.674388	4.530265	0.000277	0.000729	-0.39714	4.226185	4.312206	4.301326	4.681208	4.681813	4.713128	4.479546	4.265167	4.459769	5.015558	5.102956	4.885889	5.148423	5.136474	5.151487	4.9115	4.864208	4.857474
POLRMTP1	ENSG00000266066	-0.2669	0.29059	-1.34563	0.19562	0.248074	-5.50378	1.826927	1.744817	1.706811	1.74141	1.864131	1.526279	1.317361	1.231675	1.445026	0.982259	0.941811	0.993481	0.787801	0.938214	0.593579	0.884806	1.024588	0.580851
BAHCC1	ENSG00000266074	0.440433	3.943939	4.589035	0.000244	0.000651	-0.11157	4.073915	3.904854	4.117166	4.082842	4.249727	4.194794	3.555458	3.477062	3.69508	3.77884	3.997554	3.886761	4.43437	4.416485	4.56581	4.137495	4.167865	3.976887
RASSF5	ENSG00000266094	-0.63258	1.804995	-8.20293	2.12E-07	1.47E-06	7.210336	0.947665	0.940485	1.358564	0.841981	0.730585	0.909432	0.886508	0.915275	0.833554	4.247262	4.107636	4.182763	3.563615	3.724396	3.454098	3.912008	4.05364	4.007286
FBXO36P1	ENSG00000266117	-0.09475	-0.12791	-1.2341	0.233504	0.290285	-6.44127	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.13047	4.309807	4.079775	4.191564	4.067774	3.87435	4.031767	4.083055	4.037057
STRADA	ENSG00000266173	-0.38961	0.490349	-1.57726	0.132663	0.176921	-5.24373	1.791852	1.591918	1.987129	1.256461	1.666451	1.526279	1.074544	1.15884	1.918715	1.423238	1.029669	1.027938	1.186687	0.7293	1.046067	1.058946	0.924142	1.322858
AC080112.	ENSG00000266208	0.467895	4.108127	4.547839	0.000267	0.000704	-0.23983	4.29042	4.204245	4.042515	4.416862	4.594038	4.598452	3.761137	3.431409	3.681923	4.026306	3.953305	4.178935	4.601127	4.529722	4.558265	4.306784	4.273707	4.051715
NBPF15	ENSG00000266338	0.062343	4.828771	0.794404	0.437614	0.502175	-7.13752	5.648453	5.572461	5.56856	5.633379	5.547207	5.59324	5.601686	5.626565	5.673738	4.187508	4.403231	4.04234	4.31626	4.307781	4.398437	3.967679	4.041704	3.848451
SNHG25	ENSG00000266402	-0.33221	-0.18887	-1.17535	0.255618	0.314727	-5.59901	1.642349	1.508929	1.406977	1.326771	1.373859	1.310092	1.588238	1.85606	1.564539	0.88529	0.583785	0.76743	0.407676	0.7293	0.707101	0.517985	0.358227	0.315289
NCOA4	ENSG00000266412	0.613414	7.215986	9.149797	4.43E-08	4.03E-07	8.309074	7.189227	7.221089	7.138722	7.734586	7.65981	7.635128	7.80455	7.862774	7.815666	6.503253	6.533337	6.538332	7.215166	7.283648	7.237092	6.875907	6.901661	6.927168
MRPS21	ENSG00000266472	-0.19988	7.340936	-3.61937	0.00204	0.00428	-2.73379	7.311903	7.234873	7.230694	6.845783	6.913245	6.850722	6.980512	6.997657	6.999336	7.815282	7.726119	7.789829	7.70785	7.711978	7.7596	7.461068	7.454421	7.51549
AP005262.	ENSG00000266602	0.499761	-1.40209	2.497621	0.022743	0.036756	-3.7753	0.106501	0.106501	0.219246	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.388276	1.672391	1.387696	1.797417	1.652223	2.058312	1.903678	1.581179	1.665483
MYO15B	ENSG00000266714	0.134771	3.061173	1.20087	0.245824	0.303745	-6.51941	2.629805	2.332462	2.641489	3.020814	3.012388	3.349911	2.667326	2.220554	2.165532	3.968304	4.024536	3.848714	3.899458	3.745389	4.024267	3.658228	3.705831	3.56145
AC138207.	ENSG00000266865	0.322382	-1.25229	1.231454	0.234466	0.291274	-5.7882	0.318509	0.106501	0.323815	0.258133	0.106501	0.106501	0.106501	0.106501	0.106501	1.423238	1.467416	1.49011	1.667235	2.06228	1.851631	1.571317	1.82352	1.504318
ZNF793-AS	ENSG00000266916	-0.17484	-1.33619	-1.17356	0.256316	0.315478	-5.92272	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	2.032826	2.243088	1.621093	1.946191	2.07955	1.992244	1.981819	2.326628
AC067852.	ENSG00000266962	0.480224	4.016391	5.88925	1.59E-05	5.94E-05	2.609232	3.476616	3.59862	3.773804	4.254996	4.335505	4.088331	3.490873	3.351955	3.323715	4.266643	4.251617	4.524909	4.734427	4.859959	4.642737	4.37013	4.400624	4.249053
AC061992.	ENSG00000266970	0.378015	0.355226	1.345596	0.19563	0.248074	-5.38847	2.833249	2.49222	2.514675	2.887595	2.762786	2.94309	3.388228	3.521314	3.628063	0.269074	0.330605	0.288049	0.234608	0.612281	0.593579	0.326864	0.358227	0.409347
AC060780.	ENSG00000267002	0.971719	3.136037	10.62961	4.71E-09	6.48E-08	11.01774	1.861169	2.448351	2.446827	2.740812	2.904251	2.652511	2.576877	2.389238	2.588518	3.812196	3.793073	3.663876	4.750591	4.78759	4.698713	3.97856	4.029668	3.797179
ZNF850	ENSG00000267041	-1.10768	2.468524	-10.0862	1.04E-08	1.22E-07	10.27184	1.561356	1.849715	1.888281	1.791994	1.373859	1.123626	1.816207	2.147141	1.727075	4.327889	4.439772	4.178935	3.236398	2.997596	3.335521	4.245042	4.258317	4.261717
AC092296.	ENSG00000267053	-0.05346	-1.10939	-0.27198	0.788827	0.8245	-6.68698	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.620402	2.935512	1.896649	2.399306	2.23054	2.330481	2.075685	2.254246	2.59029

AC005336.	ENSG00000267056	-0.78733	-0.68037	-3.466	0.002856	0.005764	-1.65363	3.836399	3.99909	4.332993	3.181227	3.188693	3.335661	4.045989	4.080322	4.011347	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC006213.	ENSG00000267058	1.591199	-0.8573	6.783529	2.76E-06	1.31E-05	4.821304	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.106501	2.392392	2.212518	2.286428	3.845296	3.552417	3.922159	2.075685	2.006592	1.739782
ASB16-AS1	ENSG00000267080	0.477136	2.343903	4.208652	0.000559	0.001353	-0.59933	2.218961	2.636038	2.351095	3.123142	2.686486	2.763128	1.762502	2.255906	2.087859	2.777267	2.753956	2.569785	3.013417	3.131201	3.096004	2.692858	2.500854	2.760563
ILF3-DT	ENSG00000267100	-0.23156	2.87226	-2.5177	0.02182	0.035437	-4.57209	1.861169	1.277811	1.585853	1.104644	2.03796	1.714252	1.70672	1.301009	1.727075	5.136363	5.145366	5.093319	4.782385	4.956139	4.879111	4.507942	4.572242	4.411295
ZNF561-AS	ENSG00000267106	0.210199	2.81388	1.619426	0.123258	0.165979	-5.77758	3.349713	3.347134	3.443319	3.408969	3.151334	3.069023	2.545421	2.540248	2.937508	2.918737	2.766797	2.693003	3.24403	3.152313	3.290693	2.866919	2.841019	2.724423
AC008105.	ENSG00000267121	0.876522	0.143956	2.543614	0.020681	0.033752	-3.47589	3.313074	3.59862	3.533304	4.359318	4.081169	4.323123	3.814892	3.619579	3.641718	0.106501	0.106501	0.230035	0.171976	0.190544	0.263213	0.257084	0.19538	0.409347
SCAT1	ENSG00000267123	-0.62119	3.188791	-6.02632	1.21E-05	4.69E-05	3.146634	3.465529	3.516026	3.371944	3.083078	3.278066	3.016392	3.602068	3.384264	3.614278	3.844798	3.562131	3.728156	3.091636	2.974074	2.895043	3.307556	3.236163	3.267027
AC093227.	ENSG00000267152	0.834177	0.374903	4.63254	0.000222	0.000599	0.649388	0.667115	0.582935	0.679585	0.934951	1.373859	1.123626	1.317361	0.915275	1.171446	1.52331	1.335727	1.248523	1.667235	2.016959	1.695314	1.419885	1.581179	1.504318
AC006213.	ENSG00000267191	0.841297	-1.38204	6.84704	2.44E-06	1.18E-05	5.004066	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.76051	1.616737	1.718241	2.466086	2.326537	2.365487	1.784732	1.878239	1.703111
NA	ENSG00000267194	2.328538	-0.00065	6.815689	2.59E-06	1.24E-05	4.875938	1.286899	1.631689	1.256574	3.083078	2.811499	3.231764	3.507292	3.351955	3.406029	0.190076	0.106501	0.230035	0.610222	0.671977	0.707101	0.517985	0.2791	0.315289
ZNF8-ERV	ENSG00000267216	-0.44964	-0.72263	-1.86775	0.078658	0.111375	-4.79066	0.318509	0.499412	0.219246	0.258133	0.25478	0.106501	0.269385	0.509405	0.515351	1.315703	1.498542	1.514616	1.248697	1.120667	1.488568	1.948641	2.006592	1.703111
ZNF790-AS	ENSG00000267254	0.246726	2.751921	1.567535	0.134915	0.179488	-5.80924	2.933205	3.114308	2.966237	2.714828	2.71237	2.741673	3.352323	3.141256	3.143496	2.777267	2.727926	2.806521	3.422776	3.329589	3.167173	2.692858	2.813204	2.742606
AC020928.	ENSG00000267260	-0.37152	0.29733	-4.98944	0.000103	0.000305	0.767664	0.106501	0.106501	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.877414	4.81224	5.037335	4.598153	4.596713	4.444184	4.717304	4.676269	4.815144
AC011476.	ENSG00000267265	0.348822	-1.6373	1.55011	0.139033	0.184174	-5.321	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.199504	1.752042	1.413989	1.573426	1.652223	2.141451	1.354562	1.072305	1.322858
PARD6G-A	ENSG00000267270	0.267488	1.174316	1.355206	0.192609	0.244765	-6.00377	0.742531	1.226787	0.512639	1.182548	1.666451	1.250575	0.548589	0.509405	0.833554	2.749986	2.792142	2.615819	2.749557	2.913535	2.76998	3.152846	3.215061	2.79582
MAP3K14-	ENSG00000267278	-0.52755	2.624296	-2.43242	0.026002	0.041454	-4.20631	3.944154	3.483793	3.863273	2.688367	2.85862	2.675323	3.916741	3.761625	3.69508	2.033684	2.372288	2.07201	2.314863	2.398985	2.399663	2.448672	2.190809	2.610232
TBX2-AS1	ENSG00000267280	-0.15096	-0.49628	-0.34493	0.734266	0.7775	-6.16241	2.548084	3.169391	2.600444	2.633943	3.053471	2.374422	3.094248	3.122225	3.236418	0.190076	0.259702	0.230035	0.234608	0.26996	0.106501	0.106501	0.106501	0.214669
AC138150.	ENSG00000267288	-0.1034	1.637536	-0.47344	0.641762	0.693837	-6.65065	2.850396	2.61635	2.865896	2.103714	2.429905	1.880533	1.867984	1.605065	1.38134	1.732907	1.967585	2.021603	2.343563	2.23054	2.161508	1.482378	2.078458	1.665483
AC092295.	ENSG00000267309	0.018858	0.933761	0.06116	0.951926	0.960218	-6.5976	1.927307	1.81559	1.744977	0.635873	1.373859	1.123626	1.317361	1.658879	1.727075	1.586365	1.369793	1.60868	2.112949	2.10622	2.141451	1.387593	1.478665	1.461048
AC027307.	ENSG00000267317	0.656695	2.749862	7.518863	7.06E-07	4.06E-06	6.087348	3.288121	3.155816	3.013906	3.80351	3.820593	3.776446	2.607661	2.894433	2.869505	2.589954	2.469748	2.604447	3.074617	3.152313	2.99902	2.554269	2.410923	2.326628
SNHG30	ENSG00000267321	-0.8678	3.205041	-6.43353	5.41E-06	2.33E-05	3.877397	3.128595	2.730641	3.176339	1.933905	2.264801	2.132113	2.832807	3.043491	3.340558	4.545816	4.415514	4.545867	3.708564	3.745389	3.773698	3.630901	4.065478	3.897964
AC011447.	ENSG00000267383	0.577504	-0.69985	4.717639	0.000185	0.000509	0.580702	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.574485	2.516115	2.766268	3.173846	3.203781	3.225499	2.75746	3.034117	2.84714
DNAH17-A	ENSG00000267432	0.2022	2.707575	1.211795	0.241719	0.299193	-6.04976	4.081197	4.281283	4.351665	4.392481	4.439897	4.568299	4.80585	4.61746	4.849226	1.646779	1.498542	1.915176	1.755315	1.710321	1.580823	1.387593	1.613793	1.370407
ZNF582-AS	ENSG00000267454	0.375101	0.188196	2.279041	0.035474	0.054646	-4.40332	0.742531	0.215206	0.323815	0.635873	0.389229	0.461789	0.415731	0.387194	0.256032	2.527059	2.135404	2.328504	2.529911	2.743101	2.574402	2.211015	2.568968	2.48622
AC008736.	ENSG00000267475	-0.29564	2.400228	-2.59686	0.018514	0.030542	-4.44933	1.384302	1.061904	1.406977	0.395333	0.730585	0.984419	0.415731	1.001115	0.735084	5.066207	5.214953	5.193482	4.957386	4.837324	4.989822	5.486798	5.574859	5.582975
ZNF285	ENSG00000267508	0.582904	0.484169	2.470599	0.024044	0.038661	-3.96937	0.503316	0.582935	0.598525	0.934951	1.006428	0.2349	0.548589	1.001115	0.833554	2.056133	1.922393	2.055402	2.491955	2.714997	2.433049	2.211015	1.851139	2.350536
MIR23AHG	ENSG00000267519	0.349555	2.758888	1.926178	0.070505	0.101057	-5.28161	3.223781	3.439663	3.322321	2.766336	3.132285	3.086148	2.480375	2.960209	3.023464	2.736149	2.865607	2.497858	3.416036	3.470735	3.462206	2.300453	2.649824	2.649309
LINC01836	ENSG00000267530	0.126521	-0.99994	0.263981	0.794882	0.829475	-6.10619	1.681202	1.670392	1.585853	1.519216	1.437317	1.250575	1.816207	1.658879	2.087859	0.269074	0.106501	0.288049	0.352262	0.416769	0.404558	0.183756	0.106501	0.214669
S1PR2	ENSG00000267534	0.364832	1.30073	2.243205	0.038107	0.058324	-4.6717	1.286899	1.226787	1.088647	0.635873	0.625525	0.830331	0.782422	1.15884	0.629397	2.918737	3.023743	3.035461	3.507651	3.41941	3.68641	2.597261	2.827179	2.570068
AC006504.	ENSG00000267575	0.311049	2.518258	2.87801	0.010226	0.018003	-3.50267	2.483604	2.534795	2.621113	2.143217	2.366112	2.741673	2.376953	2.069791	2.165532	2.966925	2.912585	3.052298	3.40246	3.393046	3.486261	2.990321	2.985098	3.149291
AC016590.	ENSG00000267605	-0.36878	-1.54495	-1.86864	0.078528	0.111236	-4.88098	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.865926	2.303453	1.631268	1.711947	1.428204	1.390007	1.512637	1.67689	2.033602
NA	ENSG00000267654	-0.46905	-0.94148	-3.76457	0.001482	0.00321	-1.39393	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.749986	2.889287	2.724859	2.193986	2.363215	2.34809	2.901634	3.034117	2.570068
ZNF224	ENSG00000267680	0.38009	3.791803	4.535015	0.000275	0.000722	-0.24197	3.262728	3.439663	3.384088	3.273122	3.295295	3.498018	3.238915	3.462004	3.468658	4.256985	4.382523	4.147939	4.818614	4.623418	4.794943	4.258497	4.2788	4.376785
AC005332.	ENSG00000267731	0.653836	-1.14327	2.729293	0.014023	0.023869	-3.37465	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.253663	0.256032	1.76051	2.095243	1.514616	2.399306	2.288901	2.141451	1.708352	2.190809	2.350536
RUNDC3A-	ENSG00000267750	0.875719	0.616571	3.986947	0.000909	0.002083	-0.73925	1.336422	1.551021	1.202741	1.578054	1.2379	1.993763	0.886508	1.001115	0.925731	1.116489	1.029669	1.219002	2.096181	1.710321	1.801384	1.65509	1.289746	1.322858
AC009005.	ENSG00000267751	-0.64139	0.326084	-2.7495	0.013437	0.022976	-3.33507	1.336422	1.277811	0.898566	0.258133	0.625525	0.461789	0.548589	0.726566	0.735084	1.787595	2.011405	1.820066	1.711947	1.819936	1.610309	1.948641	2.078458	2.06284
EML2-AS1	ENSG00000267757	-0.88423	1.235687	-3.32514	0.003887	0.007596	-2.08171	3.58303	3.58855	3.688245	2.688367	2.686486	2.697781	3.004565	2.916694	2.723053	0.669294	0.848253	0.993481	0.828978	1.032323	0.404558	0.974502	1.118494	1.058313
SMIM22	ENSG00000267795	0.945972	0.934959	8.416017	1.48E-07	1.09E-06	7.388095	0.216396	0.316291	0.219246	0.106501	0.389229	0.106501	0.269385	0.106501	0.106501	4.626786	4.702905	4.727183	5.650003	5.736656	5.607658	4.972643	5.033479	5.06679
NDUFV2P1	ENSG00000267809	-0.37629	1.73217	-3.18625	0.005261	0.009953	-2.58297	2.245129	2.039077	2.049454	2.143217	1.996426	1.919272	2.412257	2.147141	2.202855	2.338465	2.320972	2.30059	1.897591	1.921808	1.876113	1.948641	2.169028	2.350536
MZF1-AS1	ENSG00000267858	0.282335	0.334466	1.905534	0.073296	0.10469	-4.90152	0.742531	0.661886	0.756332	1.182548	0.828511	0.746642	0.886508	0.509405	0.629397	1.676063	1.827525	1.969371	1.818016	2.06228	2.121111	1.65509	1.547811	1.416439
AC074135.	ENSG00000267886	0.278686	-1.33479	1.972788	0.064551	0.09353	-4.80394	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.98771	2.193623	1.820066	2.385571	2.169719	1.947161	2.075685	1.82352	1.775544
NA	ENSG00000267896	-0.50281	0.348524	-2.3632	0.029939	0.046916	-4.03835	0.742531	1.002471	0.964748	0.934951	1.006428	1.310092	0.670238	0.622068	0.925731	1.787595	1.989662	1.759838	1.248697	1.16289	1.355599	1.627702	1.707432	1.703111
CARD8-AS	ENSG00000268001	-0.07564	0.729953	-0.33419	0.742214	0.784399	-6.57349	0.814199	0.499412	0.964748	1.182548	1.164793	1.250575	1.240874	1.367163	0.735084	1.940223	2.285719	2.136592	1.818016	1.871771	1.580823	2.034568	2.078458	1.973284
NBPF12	ENSG00000268043	0.110461	3.556719	1.434571	0.169061	0.218288	-6.22134	4.006674	3.667203	3.607684	3.727576	3.784444	3.700636	3.647218	3.646467	3.641718	3.681119	3.735447	3.526028	3.778549	3.903166	3.799527	3.39949	3.458949	3.509302
NAPA-AS1	ENSG00000268061	0.418658	1.674123	3.911081	0.001074	0.002408	-1.04753	1.894617	2.179863	1.78216	2.021307	2.299368	2.064596	1.966276	2.184314	2.087859	1.91588	1.922393	1.986992	2.343563	2.381211	2.330481	2.135245	1.981819	2.003758
SLC6A14	ENSG00000268104	-1.3035	-1.74025	-3.46454	0.002865	0.005781	-1.60568	3.325391	2.853456	2.720234	1.519216	1.718467	1.757653	1.240874	1.430416	1.674905	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC010615.	ENSG00000268119	-0.74332	-1.1955	-5.1896	6.77E-05	0.00021	1.725757	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.444376	2.546219	2.569785	1.755315	1.738515	1.876113	2.26534	2.447571	2.507643
AC026304.	ENSG00000268129	-0.00698	-0.0062	-0.03863	0.969619	0.974752	-6.49427	0.742531	0.8079	0.598525	0.635873	0.625525	0.909432	0.782422	0.622068	0.629397	1.52331	1.335727	1.858866	1.473091	1.462417	1.749324	1.250674	1.329561	0.999041
AC005261.	ENSG00000268205	-0.0306	3.995061	-0.28088	0.782102	0.818877	-7.31844	3.975752	4.058659	4.034833	3.533117	3.362223	3.807755	4.111894	4.221128	4.132351	4.109157	4.176619	4.201752	4.427684	4.298341	4.346819	4.108069	4.273707	4.394143
ARL14EPL	ENSG00000268223	0.430008	-0.28846	3.601649	0.002121	0.004431	-1.99181	0.318509	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.303547	3.313538	3.247691	3.809739	3.637228	3.747398	3.603046	3.698248	3.631427
NA	ENSG00000268225	0.015967	0.277442	0.06582	0.948268	0.957478	-6.58906	0.882475	1.226787	0.898566	0.52061	0.730585	0.3528	0.983587	0.622068	0.515351	1.555182	1.875739	1.696985	1.954519	2.326537	1.851631	1.482378	1.67689	1.703111
AC092279.	ENSG00000268362	1.360618	0.460659	4.450388	0.00033	0.000849	0.219513	0.318509	0.316291	0.598525	1.578054	0.625525	0.909432	1.160105	1.231675	1.01237	1.940223	1.851833	1.333627	2.591031	2.451029	2.589286	1.387593	1.878239	1.665483
FENDRR	ENSG00000268388	1.075465	-0.07115	4.707197	0.000189	0.000519	0.884571	4.12413	4.429669	4.131643	5.388282	5.212855	5.366721	5.223595	5.210752	5.313214	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC010329.	ENSG00000268416	1.626262	-0.36281	12.44453	4.07E-10	9.15E-09	13.51356	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.165825	3.330936	3.133657	4.758606	4.919664	4.70214	2.924322	2.99751	3.107809
MIR4453H	ENSG00000268471	0.419996	1.558678	3.418537	0.003169	0.006316	-2.26343	1.12723	1.508929	1.30847	1.519216	1.006428	1.623325	0.983587	1.491012	1.244857	2.817246	2.766797	2.855308	3.288992	3.193633	3.244428	2.417026	2.48331	2.397196
AC020915.	ENSG00000268516	0.604415	1.538274	3.83041	0.001283	0.002816	-1.25274	1.336422	1.277811	1.256574	2.181668	2.078331	1.956998	1.588238	1.430416	1.314712	2.100009	2.212518	2.055402	2.491955	2.416542	2.34809	2.625227	2.696248	2.830235
LINC00664	ENSG00000268658	0.697637	-1.41445	3.954599	0.000976	0.002218	-0.84612	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.100009	1.644832	1.653508	2.225168	2.363215	2.465679	1.599785	1.329561	1.877799
AC010643.	ENSG00000268686	-1.15687	-0.28651	-6.17472	9.00E-06	3.62E-05	3.680221	0.216396	0.499412	0.219246	0.258133	0.106501	0.2349	0.106501	0.253663	0.39151	2.966925	2.865607	2.902498	1.776519	2.06228	1.947161	2.568742	2.755911	2.687355
AC005261.	ENSG00000268713	-0.0307	0.927607	-0.20741	0.838085	0.865804	-6.60572	1.069823	1.551021	1.30847	1.393812	1.087782	1.188496	1.240874	1.367163	1.50602	1.940223	1.989662	1.73919	2.027088	1.819936	1.801384	1.599785	1.707432	1.942153
AC104534.	ENSG00000268756	0.041245	0.211775	0.823792	0.421157	0.486224	-7.00141	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.61171	4.742447	4.687318	4.656506	4.756906	4.712374	4.859472	4.773297	4.815144
AL118506.	ENSG00000268858	-0.1363	3.014117	-1.81808	0.086234	0.120948	-5.79081	2.021155	2.009193	2.079636	2.103714	2.333126	1.840725	1.867984	1.549165	1.674905	4.573314	4.732663	4.771071	4.568067	4.54975	4.504317	4.664377	4.664642	4.416967
A1BG-AS1	ENSG00000268895	0.82981	0.846093	4.743389	0.000175	0.000485	0.852636	1.010037	1.118985	1.088647	1.104644	1.498102	1.840725	1.816207	1.549165	1.445026	1.315703	1.435603	1.413989	2.079215	1.921808	1.923865	1.599785	1.478665	1.739782
CSAG2	ENSG00000268902	0.073353	-0.32012	0.524462	0.606546	0.662909	-6.86412	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.256032	3.420635	3.414909	3.393562	3.416036	3.253475	3.525482	3.245848	3.476789	3.55117
AC012313.	ENSG00000268912	0.341389	1.276103	2.821231	0.011541	0.020056	-3.49038	0.814199	1.002471	0.756332	1.326771	1.307481	0.830331	0.886508	0.726566	1.01237	2.708071	2.741	2.806521	2.781373	3.098942	3.19663	3.022222	2.95995	2.928814
CSAG3	ENSG00000268916	-0.11411	-0.78789	-0.77769	0.447154	0.511304	-6.49737	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	2.817246	2.590228	2.974933	2.649667	2.581279	2.703134	2.831347	2.696248	2.880366
MAN1B1-	ENSG00000268996	-0.23823	1.152649	-1.54971	0.139129	0.184268	-5.60794	1.519087	1.978677	2.018628	1.457877	1.718467	1.475193	0.548589	1.301009	0.833554	2.30136	2.372288	2.34226	2.225168	2.21055	2.200805	1.734264	1.737342	1.626848
AC092070.	ENSG00000269001	0.931236	-1.27181	6.588945	4.00E-06	1.80E-05	4.51603	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.865926	1.55885	1.73919	2.452975	2.50126	2.559363	2.055273	1.90484	2.48622
AC024075.	ENSG00000269044	0.999376	0.175099	4.147221	0.00064	0.001522	-0.29391	1.336422	1.118985	1.358564	1.978268	1.953662	2.317553	1.459147	1.491012	1.620777	0.88529	0.640699	0.683459	0.907968	0.837535	1.320349	0.393424	0.759002	0.580851
NA	ENSG00000269051	0.814093	-1.15451	4.5864	0.000246	0.000655	0.456372	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.555182	2.011405	1.839597	2.579013	2.756951	2.382676	2.055273	2.078458	2.252429
AC007842.	ENSG00000269069	0.750283	1.271629	6.377517	6.03E-06	2.56E-05	4.072371	1.12723	1.226787	0.829201	1.393812	1.437317	1.669505	1.389995	1.491012	1.445026	2.121457	2.174476	1.877881	2.579013	2.612083	2.661487	2.211015	2.315011	2.419973
AP001160.	ENSG00000269176	0.705749	0.466103	3.28204	0.004271	0.00826	-2.29449	0.742531	0.316291	0.598525	0.841981	1.164793	1.310092	1.160105	0.509405	0.735084	2.078238	1.8028	1.780195	2.009285	2.326537	2.330481	1.734264	1.851139	1.739782
FBXO17	ENSG00000269190	0.041418	3.082702	0.419345	0.680073	0.728511	-6.97211	3.530804	3.494617	3.889066	3.54791	3.48743	3.535905	3.571163	3.462004	3.572114	2.943032	2.946841	2.826234	3.066031	3.203781	2.942182	3.032701	2.895091	2.629903
ZSCAN16-A	ENSG00000269293	-0.06164	2.475546	-0.51871	0.610468	0.666684	-6.71145	3.397161	3.526613	3.565652	3.425084	3.378481	3.349911	3.676552	3.477062	3.064594	2.14259	2.174476	2.228347	2.270712	2.06228	2.257813	1.85727	1.82352	1.910335
MAGIX	ENSG00000269313	0.466246	1.799407	3.496238	0.002673	0.005439	-1.94154	2.080492	2.206444	2.37563	2.181668	2.366112	2.5075	2.01302	2.357042	2.274723	1.787595	1.922393	1.780195	2.466086	2.23054	2.312654	2.334732	2.169028	1.877799
IKBKG	ENSG00000269335	-0.08448	3.47879	-0.90057	0.380059	0.444724	-6.7538	3.952119	4.080378	3.863273	3.376187	3.956756	3.786958	3.941119	3.89093	3.979442	3.367773	3.278101	3.36689	3.46257	3.436722	3.326666	3.31616	3.32748	3.267027
ZNF587B	ENSG00000269343	-0.24405	4.625822	-4.30551	0.000452	0.001121	-0.93068	3.991296	3.928996	4.019345	3.688057	3.457132	3.643939	3.841036	3.999201	3.668646	5.751071	5.731269	5.645805	5.423425	5.552391	5.581843	5.428474	5.585175	5.610463
PTOV1-AS	ENSG00000269352	-0.64369	1.461053	-3.84152	0.001252	0.002754	-1.24986	1.519087	1.327092	1.888281	1.519216	1.666451	1.475193	1.074544	1.710758	1.244857	2.679436	3.096753	2.671369	1.935792	2.148862	2.23906	2.464239	2.354144	2.226823
AC011497.	ENSG00000269374	-0.32905	1.066333	-2.45347	0.024905	0.039901	-3.92195	1.826927	1.883052	1.78216	1.634586	1.864131	1.714252	1.867984	1.301009	1.564539	1.814181	1.827525	1.780195	1.498836	1.428204	1.51998	1.512637	1.645686	1.273688
ITGB1P1	ENSG00000269378	0.077	0.755733	0.418728	0.680515	0.728875	-6.31917	1.959273	1.947501	2.194417	2.103714	2.366112	1.993763	2.607661	2.290412	2.501332	0.934589	0.695454	0.846782	0.745413	0.784432	0.862212	0.884806	1.368306	0.872651
RAB11B-AS	ENSG00000269386	-0.18371	-0.16008	-0.51707	0.611586	0.667547	-6.1451	2.051128	2.125186	1.921989	2.021307	1.164793	1.367251	1.317361	1.658879	1.445026	0.34397	0.583785	0.499259	0.610222	0.986036	0.707101	0.576451	0.2791	0.315289
TMEM185	ENSG00000269556	0.234512	3.741626	2.51439	0.02197	0.03564	-4.38228	3.919992	4.065935	3.897563	4.218476	4.1009	4.524999	4.402637	4.405576	4.45204	3.446357	3.439177	3.451828	3.581798	3.536446	3.502077	3.358427	3.651889	3.410407
RPARP-AS	ENSG00000269609	-0.00938	2.233121	-0.06883	0.945903	0.955361	-6.92574	2.725848	2.870177	2.661582	2.518519	2.078331	2.258349	2.446718	2.147141	2.165532	2.574485	2.604605	2.592986	2.727949	2.875953	3.010124	2.448672	2.254246	2.48622
AC005498.	ENSG00000269696	0.654277	-1.12064	2.080985	0.052434	0.077666	-4.49581	0.216396	0.215206	0.219246	0.106501	0.106501	0.106501	0.415731	0.253663	0.106501	1.315703	1.190799	1.333627	2.027088	2.190279	2.058312	1.809319	1.329561	1.703111
NBPF9	ENSG00000269713	0.345522	4.878644	2.942205	0.008913	0.015932	-3.81956	4.807565	4.778666	4.904734	5.605366	5.514478	5.688828	5.120637	5.146277	5.146036	4.71408	4.739193	4.606974	4.684821	4.630959	4.535391	4.54135	4.751478	4.82371
SLC25A53	ENSG00000269743	-0.28971	2.222041	-1.43405	0.169206	0.218416	-5.79225	3.156438	2.870177	2.99819	2.577385	2.460774	2.697781	3.632324	2.871824	3.289427	2.263275	2.338281	2.272125	2.28558	2.039797	2.330481	1.809319	2.054898	1.626848
ZIM2-AS1	ENSG00000269793	-1.99697	-0.6191	-9.24615	3.80E-08	3.55E-07	9.048622	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.798946	3.848485	3.712353	1.878105	1.921808	1.749324	4.057652	4.017531	4.255399
KCNQ1OT1	ENSG00000269821	0.412785	1.159122	1.760052	0.095888	0.132892	-5.17109	0.947665	1.374745	1.202741	1.519216	1.087782	1.919272	1.917967	1.710758	1.674905	2.033684	2.320972	1.360915	1.897591	2.148862	2.220059	1.833493	2.006592	2.06284
AC022150.	ENSG00000269825	-0.42323	2.10407	-4.49741	0.000298	0.000776	-0.10682	1.12723	1.061904	1.667608	1.457877	1.087782	1.123626	1.317361	1.549165	1.445026	3.997596	4.10258	3.93295	3.5452	3.644697	3.517722	3.793775	3.750515	3.831562
ZNF528-AS	ENSG00000269834	0.70952	0.904922	3.861636	0.001197	0.002647	-1.58356	0.587539	0.499412	0.219246	0.106501	0.25478	0.2349	0.106501	0.726566	0.515351	4.037631	4.077032	3.829308	4.818614	4.638459	4.79815	3.6717	3.999132	3.848451
IPO5P1	ENSG00000269837	1.561835	-0.11057	5.679402	2.44E-05	8.58E-05	2.722576	0.216396	0.582935	0.106501	0.742604	0.389229	0.461789	0.106501	0.509405	0.629397	1.76051	2.032826	1.585733	3.108457	3.04352	2.821313	1.992244	1.851139	2.033602
EGLN2	ENSG00000269858	0.516342	1.29338	3.334283	0.00381	0.007456	-2.26372	1.681202	1.173893	1.146821	1.933905	1.909591	2.132113	1.459147	1.367163	1.38134	1.91588	2.267764	2.038602	2.24051	2.148862	2.433049	1.809319	1.707432	2.06284
SNHG8	ENSG00000269893	-0.03555	5.938285	-0.35823	0.724463	0.76935	-7.62215	6.512823	6.526025	6.553447	6.297044	6.245934	6.231372	6.524402	6.674198	6.794548	5.376047	5.4835	5.363329	5.626839	5.60119	5.633019	5.244639	5.329416	5.33891
AL513477.	ENSG00000269896	-0.51291	0.687045	-2.07692	0.052849	0.078173	-4.80138	1.336422	1.277811	1.088647	1.022291	0.512209	0.830331	0.106501	0.824004	0.629397	2.664903	2.453955	2.638296	2.412911	1.993753	2.330481	2.135245	2.37332	2.174206
AL606834.	ENSG00000269906	-0.46975	1.000326	-2.38945	0.028384	0.044766	-3.95437	2.392887	2.403106	2.274882	2.255624	1.666451	1.422231	2.058296	2.357042	2.005764	1.073118	1.335727	1.158083	1.088368	1.16289	1.247156	1.177011	1.289746	1.273688
AF131215.	ENSG00000269918	0.255338	0.561694	1.305655	0.208595	0.26262	-5.66973	1.286899	1.420874	1.028027	1.74141	1.307481	1.799787	1.160105	1.430416	1.01237	1.278001	1.435603	1.538714	1.420179	1.622273	1.209118	1.177011	1.329561	0.93723
AL049840.	ENSG00000269940	-0.98982	1.210505	-5.72321	2.23E-05	7.94E-05	2.816453	1.642349	2.009193	1.667608	0.635873	0.92021	1.526279	1.70672	1.658879	1.50602	2.356666	2.485369	2.272125	1.776519	1.819936	1.610309	2.095813	2.101639	2.350536
AL049840.	ENSG00000269958	-1.10107	1.281738	-7.2873	1.08E-06	5.85E-06	5.782218	2.021155	1.978677	1.818408	1.104644	1.087782	0.984419	1.074544	1.367163	1.314712	2.736149	2.320972	2.615819	1.711947	1.738515	1.992654	2.334732	2.410923	2.507643
AC010969.	ENSG00000269973	0.368923	0.917669	1.954759	0.066798	0.096365	-4.73628	1.336422	1.226787	1.744977	2.063099	1.909591	2.132113	1.867984	1.945386	1.620777	1.490718	1.403073	1.277453	1.248697	1.357245	1.320349	1.419885	1.329561	1.461048
AL627309.	ENSG00000269981	0.549153	-1.41982	2.182053	0.043022	0.064986	-4.30154	0.106501	0.106501	0.106501	0.258133	0.25478	0.106501	0.106501	0.253663	0.106501	1.646779	1.403073	1.305813	1.597456	1.357245	1.876113	1.512637	1.478665	1.665483
AL513318.	ENSG00000269994	0.697834	-1.51451	2.780523	0.012583	0.021674	-3.20277	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.269385	0.106501	0.106501	1.616888	1.529011	1.277453	1.897591	2.190279	1.876113	1.177011	1.878239	1.461048
NA	ENSG00000270015	-0.34322	1.945507	-2.24214	0.038188	0.05841	-4.47204	2.296082	2.693541	2.681399	2.48816	2.490996	2.557474	2.412257	2.596487	2.643847	2.558849	2.303453	2.34226	1.935792	1.766169	2.036756	1.681967	1.795362	2.119598
AL133467.	ENSG00000270038	-0.09271	-1.37252	-0.69608	0.495534	0.558156	-6.35532	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	2.155072	2.055402	1.797417	2.06228	1.876113	2.095813	1.707432	1.973284
AC009061.	ENSG00000270049	-0.18218	-0.18232	-0.5041	0.620486	0.675294	-6.22514	1.475543	0.736739	0.756332	0.52061	0.625525	0.657796	1.074544	1.301009	1.0941	1.239286	0.640699	1.219002	1.218025	1.16289	1.046067	0.576451	1.024588	1.115245
AC127502.	ENSG00000270055	-0.57976	1.191755	-2.19249	0.042144	0.063789	-4.26216	3.300651	3.273623	3.296854	3.123142	2.835252	2.998412	3.115825	3.711575	3.323715	0.934589	1.152172	0.846782	0.562188	0.26996	0.707101	1.058946	0.871168	0.734116
NA	ENSG00000270067	-0.35805	0.662366	-1.89356	0.074958	0.106752	-4.7406	1.826927	2.125186	1.706811	1.688986	1.2379	1.526279	2.226405	1.988058	2.005764	0.982259	1.029669	0.807652	0.787801	0.888753	1.046067	1.214313	1.478665	1.322858
MIR222HG	ENSG00000270069	-0.32256	0.590519	-1.48656	0.154948	0.202675	-5.56297	1.602421	1.277811	1.453818	1.104644	0.730585	0.657796	0.548589	0.915275	0.629397	1.940223	2.032826	1.718241	1.99126	1.897007	1.801384	1.45147	1.645686	2.06284
AC004918.	ENSG00000270157	-0.24807	0.301908	-1.24855	0.228296	0.284381	-5.69404	1.12723	1.277811	1.146821	1.104644	1.006428	0.830331	0.886508	1.301009	1.171446	1.423238	1.529011	1.219002	1.365252	1.203912	1.284217	1.354562	0.816175	1.416439
NCBP2AS2	ENSG00000270170	-0.24541	4.522824	-4.61562	0.000231	0.000619	-0.23122	4.073915	4.073175	4.065319	3.647423	4.081169	3.818042	3.676552	3.659726	3.655245	5.449962	5.43203	5.645805	5.295224	5.260752	5.264758	5.249139	5.19577	5.167806
NA	ENSG00000270189	0.362142	0.332144	1.609623	0.125392	0.168488	-5.18927	1.336422	0.940485	0.898566	1.634586	1.437317	1.310092	1.317361	1.430416	1.445026	0.982259	1.265082	1.305813	1.27873	1.282615	1.046067	0.884806	1.2488	0.805046
AC097359.	ENSG00000270194	-0.49632	0.972816	-2.11118	0.049442	0.073685	-4.55532	1.990546	2.125186	2.079636	1.022291	1.006428	1.250575	1.648695	0.915275	1.564539	1.732907	1.752042	1.653508	1.733794	1.921808	1.749324	1.627702	1.645686	1.504318
NBPF8	ENSG00000270231	0.284975	3.085752	2.610169	0.018007	0.029802	-4.10141	2.965042	2.950996	3.176339	3.342644	2.881616	3.069023	3.315502	3.160038	3.181386	3.155466	3.398501	2.920951	3.442811	3.366191	3.707028	3.462853	3.404065	3.669942
POC1B-AS	ENSG00000270344	0.099928	-0.1174	0.532947	0.600782	0.657669	-6.40982	0.667115	0.736739	0.598525	1.022291	1.006428	0.563119	0.269385	0.509405	0.256032	1.457372	1.699433	1.718241	1.597456	1.622273	1.639204	1.320757	1.289746	1.370407
HMGN3-AS	ENSG00000270362	0.4634	0.220211	3.014907	0.007623	0.013853	-2.82646	0.587539	0.499412	0.421314	0.742604	0.625525	0.657796	0.782422	0.622068	0.629397	1.676063	1.777644	2.136592	2.329284	1.993753	2.200805	1.734264	1.67689	1.703111
AC010680.	ENSG00000270574	0.511204	-0.38174	2.360439	0.030107	0.047148	-4.04752	0.216396	0.215206	0.512639	0.258133	0.512209	0.3528	0.269385	0.509405	0.515351	1.840286	1.827525	1.413989	2.096181	1.897007	2.058312	1.599785	1.795362	1.461048
NBPF14	ENSG00000270629	0.41642	2.882463	4.10944	0.000695	0.00164	-0.82996	3.128595	2.935191	3.25779	3.290819	3.426184	3.700636	3.370387	3.462004	3.572114	2.620402	2.792142	2.592986	3.141522	2.863205	2.98783	2.692858	2.784842	2.778299
TAF15	ENSG00000270647	-0.5123	7.926122	-8.47166	1.34E-07	1.00E-06	7.093869	8.390339	8.456676	8.413866	7.757836	7.735919	7.841459	7.753846	7.907921	7.934142	8.009326	7.980164	8.064666	7.646187	7.635325	7.611632	7.872928	7.838066	7.93171
AC079610.	ENSG00000270659	0.212338	-1.04788	0.710287	0.486896	0.549906	-6.18927	0.41387	0.410755	0.219246	0.258133	0.106501	0.2349	0.106501	0.387194	0.256032	1.028404	1.403073	1.439812	1.473091	1.946191	1.639204	1.058946	1.024588	1.222783
YTHDF3-AS	ENSG00000270673	-0.69885	0.084081	-2.75406	0.013308	0.022772	-3.25443	0.882475	1.277811	0.898566	0.258133	0.512209	0.746642	0.415731	1.082132	1.01237	1.676063	1.644832	1.820066	1.392977	1.560439	1.456457	1.250674	1.478665	1.273688
AC005034.	ENSG00000270696	0.043385	3.215717	0.509304	0.616909	0.672018	-6.93484	3.701161	3.8803	3.81026	3.840029	3.709312	3.744443	4.011872	4.070428	3.69508	2.843296	2.924094	2.93917	3.048706	3.04352	2.942182	2.855159	2.895091	2.830235
AC010326.	ENSG00000270804	0.442963	0.628783	2.250437	0.037562	0.057545	-4.23674	0.667115	1.226787	1.088647	1.256461	1.087782	1.367251	0.983587	1.491012	1.564539	1.586365	1.369793	1.387696	1.667235	1.738515	1.667532	1.387593	1.581179	1.910335
LINC00221	ENSG00000270816	-0.23982	-0.12326	-3.21016	0.004995	0.009489	-2.94925	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.156676	4.107636	4.253631	3.937609	3.896925	3.910354	4.01601	4.30899	4.299055
AC016727.	ENSG00000270820	0.922162	1.023283	5.125501	7.75E-05	0.000236	1.634385	1.561356	1.744817	1.406977	2.548252	2.03796	2.374422	1.317361	1.85606	1.873138	1.457372	1.529011	1.248523	2.009285	1.871771	1.900186	1.099384	0.975239	0.93723
H4C14	ENSG00000270882	0.806099	0.077841	4.88428	0.000129	0.000371	1.093488	0.216396	0.316291	0.512639	0.635873	0.730585	0.746642	0.269385	0.509405	0.515351	1.840286	1.967585	1.951531	2.542344	2.344993	2.365487	2.095813	1.707432	2.003758
RASL10B	ENSG00000270885	1.198799	-0.29612	3.147994	0.005717	0.010722	-2.25957	1.602421	1.465573	1.744977	2.740812	2.229385	1.956998	2.667326	2.702788	2.697131	0.106501	0.185134	0.34382	0.610222	0.26996	0.593579	0.326864	0.358227	0.409347
LPP-AS2	ENSG00000270959	0.55988	1.114884	3.142104	0.00579	0.010853	-2.56972	1.519087	1.420874	1.453818	1.840866	1.556428	1.757653	2.058296	1.549165	1.727075	1.732907	1.435603	1.585733	2.178139	2.10622	1.826726	1.320757	1.851139	1.461048
AC016355.	ENSG00000270964	0.691995	-0.28177	2.981702	0.008188	0.014762	-2.84981	0.503316	0.215206	0.219246	0.742604	0.25478	0.746642	0.548589	0.253663	0.515351	1.616888	1.616737	1.858866	2.112949	2.039797	2.121111	1.45147	1.442809	1.58715
NA	ENSG00000271020	-0.46763	-0.07995	-2.5506	0.020383	0.033332	-3.63184	0.882475	0.582935	0.598525	0.395333	0.625525	0.461789	0.782422	0.824004	0.515351	1.787595	1.752042	1.46518	1.27873	1.428204	1.456457	1.627702	1.478665	1.222783
AC008555.	ENSG00000271109	0.403275	0.088332	2.359039	0.030192	0.047261	-4.10166	0.41387	0.410755	0.323815	0.395333	0.389229	0.746642	0.670238	0.387194	0.833554	1.76051	2.155072	1.653508	2.044674	2.127698	2.161508	2.154563	2.054898	2.174206
AC018647.	ENSG00000271122	0.26934	4.193167	3.97649	0.00093	0.002127	-1.60826	3.27548	2.674627	3.090013	3.605613	3.441741	3.59692	3.115825	3.178579	3.199964	5.376047	5.267851	5.265644	5.456648	5.558335	5.441254	5.302073	5.214498	5.274758
AP000526.	ENSG00000271127	0.66237	-0.19912	2.907572	0.009599	0.017025	-2.8899	0.667115	0.875715	0.512639	1.022291	0.730585	1.123626	0.670238	0.387194	0.735084	1.073118	0.986408	0.993481	1.308151	1.766169	1.08859	1.286141	1.16325	1.058313
AC004130.	ENSG00000271133	0.466632	1.505859	1.894811	0.074784	0.106546	-5.01463	1.959273	1.978677	1.888281	1.578054	1.498102	1.956998	1.917967	2.220554	2.34318	1.91588	1.725977	1.759838	2.357702	2.596763	2.743612	1.65509	1.82352	1.504318
ARMCX5-G	ENSG00000271147	0.64225	1.216014	4.894345	0.000127	0.000364	1.138572	1.519087	1.420874	1.54317	2.181668	2.078331	2.196611	1.70672	1.85606	1.777424	1.787595	1.435603	1.439812	1.858352	1.766169	1.826726	1.903678	1.645686	1.665483
TMCC1-AS	ENSG00000271270	0.392401	1.132134	1.801269	0.088939	0.124289	-5.03458	1.681202	2.258179	2.194417	2.688367	2.605925	2.455733	1.588238	1.430416	2.376228	1.616888	1.300837	1.387696	1.573426	1.203912	1.550722	1.017342	1.072305	1.222783
SRXN1	ENSG00000271303	-0.44455	-0.16089	-1.2154	0.240378	0.297636	-5.50347	1.927307	2.125186	2.221741	1.791994	1.996426	1.367251	1.867984	1.710758	2.005764	0.190076	0.524532	0.594297	0.294634	0.612281	0.263213	0.738851	0.504542	0.497646
AL117336.	ENSG00000271335	0.74747	0.20332	2.685816	0.015368	0.025895	-3.2768	1.430644	1.173893	1.202741	1.578054	1.373859	1.475193	1.816207	1.809233	1.50602	0.669294	0.941811	0.449284	1.524131	1.120667	0.862212	0.738851	0.924142	0.734116

HTATSF1P.	ENSG00000271361	0.08817	1.982897	0.487138	0.632214	0.685388	-6.56265	2.949211	2.802095	2.830836	3.142765	3.260629	3.349911	3.072345	3.462004	2.892531	1.676063	1.699433	1.780195	1.420179	1.282615	1.456457	1.809319	1.82352	2.003758
AL451085.	ENSG00000271380	0.648434	-0.57718	2.416298	0.026873	0.042652	-3.90279	0.318509	0.316291	0.421314	0.395333	0.25478	0.657796	0.548589	0.509405	0.106501	1.52331	1.403073	1.277453	1.838325	1.681564	2.10048	1.45147	1.289746	1.058313
NBPF19	ENSG00000271383	0.148454	3.48521	1.528843	0.144199	0.190064	-6.06691	3.498536	3.638208	3.431666	3.51817	3.132285	3.560621	3.774765	3.773871	3.557782	3.599408	3.668598	3.419749	3.825085	3.799921	3.886451	3.737235	3.651889	3.571657
NBPF10	ENSG00000271425	-0.04969	1.827912	-0.37481	0.712313	0.758767	-6.70572	1.826927	2.179863	2.274882	1.840866	1.817192	2.346268	2.144798	2.481727	2.408535	2.263275	2.372288	2.228347	2.28558	2.190279	2.312654	2.173627	2.233409	2.226823
NA	ENSG00000271430	0.327252	2.581043	2.413096	0.027049	0.042888	-4.32565	3.128595	3.057038	2.933559	3.425084	2.970101	3.560621	2.480375	2.650616	3.044176	2.510897	2.469748	2.396013	2.822733	2.642244	2.730245	2.494877	2.518186	2.880366
CCL5	ENSG00000271503	-1.14508	1.43146	-3.88786	0.00113	0.002517	-1.04089	2.416107	2.470453	2.109199	1.326771	1.373859	0.909432	1.648695	1.605065	1.38134	2.204194	2.011405	2.136592	1.365252	1.560439	1.639204	2.990321	3.138674	2.760563
Z83843.1	ENSG00000271533	0.762055	0.449351	2.738921	0.013741	0.023436	-3.22212	1.475543	1.631689	1.146821	1.840866	1.556428	2.196611	1.525136	1.231675	2.239236	0.934589	1.190799	0.54756	1.27873	1.282615	1.17005	0.738851	0.816175	0.93723
LIX1L	ENSG00000271601	-0.44377	2.430991	-2.50709	0.022303	0.036123	-3.82586	5.533718	5.549286	5.506038	5.227586	4.998178	5.242382	5.099133	5.178875	5.150819	1.278001	1.112482	0.993481	0.5125	0.888753	0.651457	1.017342	0.871168	0.659518
MILR1	ENSG00000271605	-0.41183	2.238838	-5.34966	4.84E-05	0.000157	1.744489	1.336422	1.551021	1.358564	1.326771	1.164793	1.188496	1.867984	1.760835	1.727075	3.75845	3.947677	3.93295	3.442811	3.462307	3.571181	4.062774	4.088867	3.914098
AC112220.	ENSG00000271643	-0.3845	0.751767	-1.71536	0.103952	0.142639	-5.24871	1.12723	1.118985	1.358564	0.395333	0.512209	1.055701	1.240874	1.001115	0.925731	2.01088	2.249583	2.136592	1.897591	2.127698	2.23906	2.075685	1.737342	2.464474
IRF2-DT	ENSG00000271646	0.525893	1.03178	4.188542	0.000584	0.001407	-0.52879	0.587539	0.940485	1.028027	0.742604	1.164793	1.123626	0.983587	0.622068	0.833554	2.494552	2.618839	2.30059	2.940139	2.985883	2.846311	2.448672	2.585506	2.528753
AC008608.	ENSG00000271737	-0.17577	-0.13511	-0.75785	0.458641	0.522134	-6.17005	1.010037	0.582935	0.829201	0.635873	0.625525	0.3528	0.415731	0.726566	0.833554	1.352446	1.228418	1.67541	1.573426	1.2438	1.610309	1.250674	1.368306	1.115245
AL355802.	ENSG00000271754	-0.47863	0.564232	-1.96573	0.065423	0.094599	-4.63301	1.861169	1.81559	1.585853	1.634586	1.612488	1.123626	2.01302	1.988058	1.962896	1.315703	1.403073	0.993481	0.828978	1.032323	1.046067	1.058946	0.871168	0.659518
AL118558.	ENSG00000271780	0.21892	-0.35335	1.037503	0.313643	0.37644	-5.95562	0.587539	0.8079	0.512639	0.258133	0.512209	0.563119	0.269385	0.509405	0.515351	1.388276	1.403073	1.538714	1.878105	1.738515	1.749324	1.017342	1.118494	1.170016
PLS3-AS1	ENSG00000271826	-0.47248	0.007415	-1.92817	0.070241	0.100739	-4.64075	1.519087	1.374745	1.585853	1.393812	1.087782	1.422231	1.160105	0.622068	1.171446	0.7264	1.152172	1.158083	0.828978	0.671977	0.707101	0.789161	0.759002	0.999041
AC034236.	ENSG00000271918	-0.5976	-0.14781	-2.58541	0.018961	0.031213	-3.51149	0.947665	1.002471	1.256574	0.395333	0.730585	0.563119	0.548589	0.824004	1.01237	1.028404	1.403073	1.49011	1.218025	1.2438	1.08859	1.058946	1.024588	0.93723
AC012073.	ENSG00000271936	-0.78751	0.361665	-2.91575	0.009433	0.016745	-2.85638	1.235614	0.8079	1.358564	1.256461	0.730585	0.984419	1.966276	1.710758	1.38134	1.457372	1.435603	1.277453	1.054048	0.671977	0.651457	1.784732	1.289746	1.546329
AC012467.	ENSG00000271976	0.707473	1.301273	4.709016	0.000188	0.000517	0.740486	1.561356	1.849715	1.744977	2.393052	2.490996	2.402038	1.867984	1.85606	1.620777	1.616888	1.467416	1.439812	1.916818	1.622273	1.970087	1.903678	1.547811	1.504318
ANKRD34A	ENSG00000272031	0.310689	1.199334	2.310719	0.033287	0.051674	-4.27424	1.286899	1.327092	1.30847	1.74141	1.718467	1.475193	1.389995	1.15884	1.50602	2.14259	1.8028	1.800268	2.062048	2.148862	1.970087	2.247458	2.274787	2.252429
GTF2H5	ENSG00000272047	-0.37906	4.906813	-5.32758	5.06E-05	0.000163	1.346943	5.741006	5.816305	5.668751	5.20443	5.119213	5.183924	5.213624	5.183472	5.165072	4.707004	4.658809	4.763423	4.467344	4.577331	4.62479	4.46216	4.237539	4.45606
AL365181.	ENSG00000272068	-0.25554	4.385332	-3.47973	0.002771	0.005614	-2.62849	4.369865	4.474101	4.515184	4.052041	4.368438	4.279122	4.090259	4.324646	4.396744	5.021274	4.77459	4.758301	4.645023	4.51757	4.558265	4.315393	4.432969	4.311289
AC005618.	ENSG00000272070	0.823954	0.241432	3.997571	0.000888	0.002041	-0.9377	0.318509	0.106501	0.421314	0.258133	0.389229	0.657796	0.548589	0.509405	0.256032	2.693825	2.741	2.522234	3.281595	3.213858	3.404467	2.368215	2.568968	2.350536
AC124045.	ENSG00000272077	0.346787	0.750378	1.326472	0.201756	0.254798	-5.61204	1.602421	1.670392	1.202741	1.519216	1.909591	1.623325	2.226405	2.108984	1.727075	1.199504	1.403073	0.993481	1.446877	1.357245	1.355599	1.214313	0.69947	1.273688
AC004233.	ENSG00000272079	-0.0847	-0.3265	-0.40121	0.693129	0.740769	-6.72771	0.318509	0.582935	0.323815	0.258133	0.25478	0.106501	0.106501	0.387194	0.106501	2.620402	2.42184	2.87437	2.694919	2.837366	2.647333	2.013561	1.737342	1.942153
AC025181.	ENSG00000272086	-0.39741	-0.14991	-1.63716	0.119475	0.16145	-5.42454	0.503316	0.736739	0.756332	0.52061	0.625525	0.909432	0.106501	0.106501	0.256032	2.14259	2.155072	2.382761	1.954519	1.946191	1.695314	1.809319	1.82352	1.370407
AL691432.	ENSG00000272106	0.122592	1.425367	0.630087	0.536789	0.598051	-6.71011	0.742531	0.875715	0.964748	1.634586	1.612488	1.475193	1.525136	0.726566	1.445026	3.024981	3.1855	3.149392	3.004458	3.04352	2.821313	2.368215	2.212266	2.252429
AL390719.	ENSG00000272141	0.777782	-1.21868	4.187563	0.000586	0.001409	-0.35283	0.216396	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.616888	1.875739	1.46518	2.357702	2.250257	2.18129	1.708352	1.851139	2.14716
LYRM4-AS	ENSG00000272142	1.875998	0.505173	9.099854	4.79E-08	4.31E-07	8.750581	0.503316	0.582935	0.323815	1.840866	1.556428	1.880533	0.782422	0.915275	0.925731	1.239286	1.335727	1.158083	2.270712	2.250257	2.200805	1.992244	1.930959	1.665483
ARF4-AS1	ENSG00000272146	-0.9456	-0.04738	-3.67516	0.001804	0.00384	-1.30995	1.12723	1.173893	1.406977	0.258133	0.625525	0.830331	0.548589	0.824004	1.0941	1.158593	1.435603	1.46518	1.054048	1.077171	1.046067	1.286141	1.206659	1.273688
NBPF25P	ENSG00000272150	0.335846	0.130722	1.270631	0.220513	0.275942	-5.60494	1.336422	1.061904	0.829201	1.519216	1.612488	1.575618	0.670238	1.082132	1.38134	1.199504	0.986408	0.884879	0.907968	0.784432	1.17005	1.13872	0.975239	0.93723
CASC15	ENSG00000272168	0.588448	2.116512	4.628325	0.000224	0.000604	0.460543	2.850396	2.819419	2.794903	3.392671	3.34578	3.786958	2.513265	2.916694	2.697131	1.787595	2.095243	1.877881	2.129525	2.190279	2.121111	1.708352	1.645686	1.58715
AL024508.	ENSG00000272189	1.03768	1.087284	4.658767	0.00021	0.000569	0.583503	0.503316	0.499412	0.323815	1.519216	1.718467	1.188496	1.70672	1.082132	1.38134	2.243849	2.115463	2.021603	2.749557	2.398985	2.661487	2.843302	2.985098	2.830235
NUP153-A	ENSG00000272269	-1.39864	0.381453	-4.18095	0.000594	0.001426	-0.28958	1.681202	1.508929	1.818408	0.52061	0.92021	0.2349	0.983587	0.824004	1.50602	1.676063	1.827525	1.759838	1.524131	1.2438	1.002253	1.627702	1.878239	1.058313
ILRUN-AS1	ENSG00000272288	0.025262	0.953259	0.188575	0.852598	0.878119	-6.65417	1.519087	1.508929	1.358564	1.578054	1.498102	1.526279	1.160105	0.824004	1.314712	1.98771	2.032826	1.951531	1.99126	2.039797	1.876113	1.681967	1.645686	1.170016
TTC23L-AS	ENSG00000272323	0.81134	0.087358	3.067872	0.0068	0.012531	-2.60732	1.286899	0.875715	1.028027	1.182548	1.2379	1.250575	0.269385	1.082132	0.833554	1.158593	1.112482	0.807652	1.776519	1.428204	1.722572	1.058946	1.072305	0.872651
NUDT3	ENSG00000272325	0.06431	6.280417	1.284039	0.215889	0.270679	-6.94592	6.229625	6.242742	6.260891	6.426761	6.452019	6.52934	6.225168	6.291095	6.148055	6.279458	6.376718	6.393892	6.269712	6.307765	6.267734	6.215985	6.182599	6.292079
KMT2B	ENSG00000272333	-0.21071	6.646179	-5.11986	7.84E-05	0.000239	0.627889	6.668371	6.686868	6.823565	6.367536	6.444317	6.549545	6.734246	6.577961	6.696557	6.760699	6.782867	6.763989	6.672421	6.566546	6.587016	6.745817	6.741171	6.729381
AC093297.	ENSG00000272335	0.095642	2.467472	0.912639	0.37385	0.438647	-6.42116	3.385444	3.526613	3.431666	3.647423	3.517104	3.419122	3.19904	3.491964	3.340558	2.033684	2.174476	2.07201	2.270712	2.21055	2.036756	2.173627	1.82352	1.739782
AL137003.	ENSG00000272341	0.882987	1.271139	4.899743	0.000125	0.00036	1.067693	1.12723	1.465573	1.62731	1.326771	2.03796	1.840725	1.160105	1.549165	1.564539	2.121457	1.875739	1.896649	2.872818	2.714997	2.743612	1.512637	1.581179	1.703111
AL031775.	ENSG00000272345	0.303336	0.146236	1.746247	0.098319	0.135825	-4.92384	1.12723	1.277811	1.54317	1.393812	1.612488	1.575618	1.389995	1.15884	1.564539	0.7264	0.848253	0.846782	1.018891	0.938214	0.760679	0.789161	0.975239	0.805046
POM121C	ENSG00000272391	-0.78576	6.574314	-16.8146	3.12E-12	2.68E-10	18.23628	7.191752	7.190625	7.317944	6.31012	6.325656	6.391483	6.989306	6.850766	6.928692	6.68889	6.586815	6.682517	6.02922	5.920171	5.983596	6.469374	6.355279	6.41763
CD24	ENSG00000272398	0.831245	8.944471	16.61447	3.80E-12	3.13E-10	17.91166	9.040531	9.037969	9.022898	9.75404	9.699638	9.668159	8.851779	8.952603	8.882547	8.32428	8.26447	8.314964	9.249977	9.308104	9.295225	8.466832	8.415426	8.508586
AL365181.	ENSG00000272405	-0.56871	6.354194	-7.05558	1.65E-06	8.42E-06	4.675846	7.620049	7.562636	7.710996	6.8048	6.882225	6.786691	7.193345	7.205184	7.123745	5.764766	5.639998	5.680063	5.458289	5.341097	5.511308	5.482982	5.581058	5.414576
LINC01145	ENSG00000272419	0.600516	1.530431	5.15906	7.22E-05	0.000222	1.52284	0.947665	1.226787	1.146821	1.578054	1.556428	1.575618	1.160105	1.430416	1.0941	2.664903	2.453955	2.382761	3.141522	2.784257	2.895043	2.819293	2.99751	3.021085
AL135925.	ENSG00000272447	0.247179	-0.07938	0.892115	0.384449	0.44905	-6.0272	0.947665	0.736739	1.358564	0.635873	1.2379	0.830331	0.548589	0.622068	0.833554	0.7264	1.300837	1.158083	1.154653	1.591687	1.320349	1.387593	0.924142	0.999041
MRPL20-D	ENSG00000272455	-0.3513	1.842344	-2.74147	0.013667	0.023324	-3.67626	1.602421	1.780637	1.987129	1.182548	1.612488	1.422231	1.389995	1.549165	1.564539	3.322191	3.055486	2.826234	2.812503	2.700737	2.883013	2.77004	2.947209	3.279535
U91328.1	ENSG00000272462	0.228204	1.395668	1.466936	0.160156	0.208393	-5.68579	1.927307	1.551021	1.818408	1.688986	1.556428	1.310092	1.648695	1.658879	1.445026	2.078238	1.875739	2.055402	2.225168	2.363215	2.675503	2.055273	1.981819	2.06284
AL645608.	ENSG00000272512	-1.09298	0.391003	-4.30132	0.000457	0.00113	-0.00098	1.18244	1.670392	1.499186	1.182548	0.92021	1.188496	1.70672	0.915275	1.620777	1.457372	1.435603	1.653508	0.656707	0.888753	0.760679	1.627702	1.2488	1.115245
AC036214.	ENSG00000272518	-0.24084	0.446093	-1.30327	0.209392	0.263436	-5.59383	1.602421	1.465573	1.62731	0.934951	1.666451	1.367251	1.588238	1.367163	1.564539	1.028404	1.112482	1.158083	1.186687	0.986036	1.002253	0.930351	1.206659	1.222783
LINC01023	ENSG00000272523	0.169034	-0.03311	0.943314	0.358378	0.423003	-6.1277	0.503316	0.661886	0.421314	0.742604	0.730585	0.461789	0.670238	0.622068	0.256032	1.814181	1.699433	1.951531	1.878105	1.921808	1.900186	1.45147	1.613793	1.222783
GTF2IP13	ENSG00000272556	-1.24397	1.928466	-7.05594	1.65E-06	8.42E-06	5.326821	3.114469	3.196163	3.39613	1.840866	2.117603	1.669505	1.389995	1.901414	2.239236	2.708071	2.900983	2.682227	2.027088	1.846087	2.141451	2.211015	1.981819	2.06284
NA	ENSG00000272579	1.23561	0.175018	4.382556	0.000382	0.000967	0.208881	0.587539	0.940485	0.898566	1.519216	1.953662	1.669505	1.966276	1.760835	2.202855	0.7264	0.524532	0.846782	1.054048	1.032323	0.862212	0.789161	0.871168	1.170016
AC016394.	ENSG00000272599	-1.55253	0.407789	-7.38149	9.05E-07	5.02E-06	5.957647	1.755904	1.465573	1.744977	0.742604	0.730585	0.3528	1.074544	1.15884	0.833554	2.056133	1.827525	1.839597	1.054048	1.357245	1.046067	1.482378	1.613793	1.322858
ZNF595	ENSG00000272602	-0.3591	4.452405	-4.05354	0.000786	0.001829	-1.43951	3.774862	3.920993	3.726899	3.851999	3.772191	3.926609	3.405851	3.761625	3.82044	5.402569	5.459973	5.388409	4.863895	4.907298	5.071593	5.440329	5.496136	5.526375
AC073073.	ENSG00000272604	0.821851	0.205681	2.608522	0.018069	0.029895	-3.4566	0.814199	0.661886	0.421314	1.393812	1.817192	1.575618	1.459147	1.231675	1.564539	1.239286	1.029669	1.126631	0.982856	1.120667	1.129895	1.13872	1.368306	0.999041
PPP4R3B-D	ENSG00000272606	-0.33179	0.140146	-1.83604	0.083423	0.117352	-5.00913	0.742531	0.582935	0.829201	0.395333	0.730585	0.909432	0.782422	0.509405	0.39151	1.98771	1.989662	2.30059	1.621093	1.846087	2.014873	1.419885	1.329561	1.370407
AFAP1-AS1	ENSG00000272620	-0.38566	2.385639	-5.54984	3.19E-05	0.000109	1.632626	0.216396	0.215206	0.106501	0.106501	0.106501	0.106501	0.269385	0.509405	0.256032	8.046942	8.102018	8.080911	7.737551	7.646993	7.712369	8.30038	8.235556	8.267357
AC010735.	ENSG00000272622	-0.43249	-0.27322	-1.44986	0.164805	0.213412	-5.646	0.742531	0.582935	0.679585	0.106501	0.25478	0.106501	0.269385	0.106501	0.39151	2.243849	2.115463	2.198406	2.357702	2.016959	2.18129	2.247458	2.354144	2.374055
DOC2B	ENSG00000272636	1.153871	1.279532	4.798157	0.000156	0.000437	1.062502	6.673197	6.641322	6.757422	7.774441	7.873478	7.903155	7.207231	7.100902	7.229256	0.106501	0.106501	0.106501	0.171976	0.106501	0.106501	0.183756	0.106501	0.106501
GTF2IP20	ENSG00000272645	-0.35992	2.486106	-2.63612	0.017057	0.028417	-3.85763	3.487617	3.382531	3.736403	3.103249	2.787348	3.016392	2.884002	2.596487	2.981126	2.47802	2.741	2.355887	2.479079	2.565626	2.312654	1.948641	2.315011	2.226823
AL358472.	ENSG00000272654	0.435829	0.152587	2.107051	0.049842	0.074195	-4.47447	0.41387	0.736739	0.756332	1.182548	1.164793	0.563119	0.670238	0.726566	0.833554	1.52331	1.588084	1.387696	1.689764	1.846087	1.488568	1.571317	1.289746	1.546329
POLR2J4	ENSG00000272655	-0.02837	2.288351	-0.21196	0.834587	0.86288	-6.76953	3.128595	2.886707	3.075109	2.518519	3.033076	3.18484	3.352323	3.232814	3.543305	2.121457	1.989662	1.933468	2.044674	2.10622	2.058312	2.192442	2.101639	2.091498
AC012306.	ENSG00000272667	0.858764	0.450631	4.231808	0.000532	0.001297	-0.20162	1.18244	0.940485	0.964748	1.393812	1.2379	1.840725	0.983587	1.15884	0.629397	0.934589	1.152172	1.46518	1.776519	1.652223	1.749324	1.482378	1.2488	1.461048
PCDHB16	ENSG00000272674	1.049397	1.528504	5.567745	3.08E-05	0.000105	2.267702	0.814199	0.410755	0.679585	2.063099	1.666451	1.919272	0.886508	0.726566	0.39151	3.058725	2.935512	2.974933	3.746669	3.67419	3.837423	3.366734	3.37582	3.444131
WASL-DT	ENSG00000272686	0.621767	2.423628	5.038819	9.31E-05	0.000278	1.157425	2.051128	1.883052	1.818408	2.181668	2.549605	2.346268	2.446718	2.389238	2.408535	3.047564	2.889287	3.125724	3.532792	3.745389	3.486261	2.794876	2.895091	2.960231
AP005329.	ENSG00000272688	-0.18823	0.545309	-1.23052	0.234805	0.291623	-5.92981	0.667115	0.875715	1.146821	0.841981	0.512209	0.830331	0.670238	0.824004	0.735084	2.30136	2.032826	2.396013	2.009285	2.363215	2.10048	1.784732	1.766644	1.739782
AC073107.	ENSG00000272693	0.251463	0.087356	1.147109	0.266798	0.326573	-5.75128	1.010037	1.002471	1.146821	0.841981	1.556428	1.250575	0.886508	1.001115	1.38134	0.834246	1.152172	1.158083	1.308151	0.986036	1.17005	0.789161	1.118494	0.872651
HK2-DT	ENSG00000272711	0.620587	1.877958	4.982724	0.000105	0.000308	1.20418	2.021155	1.780637	1.62731	2.425456	2.605925	2.317553	2.480375	2.220554	2.005764	1.98771	2.267764	2.314614	2.579013	2.596763	2.559363	2.192442	2.254246	2.14716
ADIRF-AS1	ENSG00000272734	-0.2292	-0.09816	-0.5561	0.58519	0.642825	-6.31894	0.814199	0.736739	0.829201	0.395333	0.106501	0.2349	0.415731	1.231675	1.0941	1.278001	1.467416	1.631268	1.689764	1.921808	1.900186	1.286141	1.82352	1.844513
WDR5B-DT	ENSG00000272758	0.775773	0.662731	3.802211	0.001365	0.002976	-1.17676	0.667115	1.061904	1.088647	1.022291	1.087782	1.367251	1.074544	0.915275	1.50602	1.555182	1.699433	1.718241	2.371704	2.363215	2.18129	1.286141	1.368306	1.461048
AC103702.	ENSG00000272763	-0.12217	-1.69846	-0.4206	0.679175	0.727658	-6.07955	2.137484	2.37994	2.326135	2.021307	2.398361	2.064596	1.525136	2.255906	1.38134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC245060.	ENSG00000272779	-0.34068	0.841886	-1.6637	0.113998	0.154651	-5.14002	1.681202	1.883052	2.248556	1.578054	1.498102	1.993763	2.01302	2.420731	1.777424	1.388276	1.265082	0.921995	0.982856	1.077171	0.910419	1.320757	1.368306	1.370407
AC015712.	ENSG00000272808	-0.07733	-0.98311	-0.55004	0.589249	0.646635	-6.5667	0.106501	0.215206	0.219246	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.461296	2.267764	2.243088	2.300295	2.250257	2.465679	2.095813	2.33471	2.14716
U62317.1	ENSG00000272821	-0.30197	0.872718	-1.48375	0.155685	0.203341	-5.4543	1.430644	1.420874	1.358564	1.688986	1.666451	1.250575	1.525136	1.760835	1.620777	1.940223	1.699433	1.248523	1.27873	1.077171	1.209118	1.880661	1.707432	1.81044
AC027644.	ENSG00000272831	0.535003	2.711918	5.011458	9.87E-05	0.000292	1.034928	2.483604	2.448351	2.166567	2.714828	2.835252	2.675323	2.26554	2.420731	2.643847	3.036317	3.406729	3.157196	3.456014	3.852467	3.86826	3.290193	3.058015	3.065099
MAP3K4-A	ENSG00000272841	0.281426	0.553161	1.017303	0.322885	0.386134	-6.08275	0.503316	0.499412	0.679585	1.326771	1.373859	1.623325	1.074544	0.622068	0.833554	1.814181	1.989662	1.969371	1.689764	1.681564	1.667532	2.192442	1.795362	2.091498
DCP1A	ENSG00000272886	-0.73672	5.439523	-14.5574	3.30E-11	1.47E-09	15.89572	5.743303	5.585177	5.600136	4.921675	4.966263	4.72957	5.609312	5.6164	5.420081	5.844313	5.92128	5.821823	5.140267	5.188499	5.212843	5.675823	5.802349	5.742817
CHASERR	ENSG00000272888	0.326498	3.756441	3.224762	0.004838	0.009235	-2.99542	3.349713	3.638208	3.618004	3.944346	3.89028	4.241401	4.174919	4.080322	3.783962	3.812196	3.975599	3.707046	3.913883	4.011117	4.051393	3.749992	3.876817	3.734962
MIOS-DT	ENSG00000272894	-0.43518	0.558881	-1.80418	0.088465	0.123676	-5.11418	1.642349	0.940485	1.088647	0.395333	0.389229	0.746642	0.983587	0.622068	0.515351	2.263275	2.095243	1.915176	2.079215	2.084417	1.900186	2.400938	2.054898	2.277588
ATP6V1FN	ENSG00000272899	1.137723	0.273752	4.923622	0.000119	0.000345	1.312846	1.069823	1.118985	0.964748	1.791994	1.718467	1.475193	2.226405	1.809233	1.826075	0.483018	0.583785	0.807652	1.27873	1.320413	0.862212	0.930351	0.871168	1.058313
AC009237.	ENSG00000272913	0.454327	-0.2804	4.85085	0.000139	0.000395	0.686499	0.106501	0.215206	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	3.479955	3.494263	3.585074	4.033205	3.871689	4.035179	3.39137	3.511821	3.398988
NA	ENSG00000272993	0.836711	1.050104	5.187416	6.80E-05	0.000211	1.657493	0.503316	0.582935	0.756332	1.326771	1.006428	1.422231	0.983587	1.301009	1.244857	2.461296	2.338281	2.213454	2.921223	2.875953	2.76998	2.300453	2.37332	2.252429
C2orf49-D	ENSG00000272994	-0.27872	2.18343	-1.73164	0.10095	0.139042	-5.49713	2.218961	2.039077	2.018628	1.519216	1.666451	1.526279	2.513265	2.568641	2.309357	3.08079	3.096753	3.141546	2.940139	3.04352	3.042931	2.75746	2.665466	2.944608
AL360270.	ENSG00000273010	-0.17925	-0.31408	-0.80103	0.433867	0.498433	-6.14457	0.742531	0.582935	0.421314	0.258133	0.512209	0.2349	0.548589	0.509405	0.629397	1.704765	1.435603	1.439812	1.473091	1.710321	1.610309	1.250674	1.442809	1.58715
AC018645.	ENSG00000273014	0.395421	1.802071	2.480996	0.023536	0.037921	-3.88487	3.085796	3.286138	3.133821	3.753334	3.378481	3.744443	3.315502	3.506713	3.218306	1.073118	1.265082	1.305813	1.27873	1.077171	1.423614	1.017342	1.289746	1.370407
AC008124.	ENSG00000273015	0.090435	3.202228	0.835982	0.414448	0.479528	-6.93024	2.296082	2.425906	2.049454	2.48816	2.737798	2.904994	2.412257	2.938616	2.892531	4.156676	4.287703	4.335006	4.203356	4.143531	4.346819	4.175819	4.205799	3.930053
FAM106A	ENSG00000273018	0.171058	-1.55549	0.832128	0.416562	0.48166	-6.18107	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.787595	2.23117	1.305813	1.818016	1.591687	1.992654	1.542275	1.737342	1.416439
LINC02035	ENSG00000273033	2.083526	0.66191	11.88091	8.43E-10	1.67E-08	12.31724	0.882475	1.277811	0.898566	2.457149	2.193078	2.675323	1.525136	1.301009	1.38134	0.609835	0.89579	0.807652	1.916818	1.710321	1.992654	1.214313	1.289746	1.222783
NA	ENSG00000273038	0.749357	0.919089	2.86945	0.010414	0.018301	-2.97391	2.505419	2.206444	2.423483	2.97776	3.242978	3.510758	2.696258	2.540248	2.869505	0.934589	0.695454	0.683459	0.745413	0.986036	0.533283	0.517985	0.924142	0.734116
C2orf15	ENSG00000273045	0.40352	0.106565	1.760165	0.095868	0.132878	-5.26711	0.587539	0.661886	0.679585	0.395333	0.25478	0.3528	0.548589	0.509405	0.106501	1.98771	2.212518	2.152295	2.661114	2.729118	2.604018	2.075685	2.078458	2.174206
AL359921.	ENSG00000273058	0.216848	0.117188	1.213126	0.241223	0.298604	-5.65547	1.430644	1.374745	1.406977	1.393812	1.373859	1.475193	1.317361	1.082132	1.314712	0.781331	1.190799	0.683459	1.018891	1.032323	1.08859	0.686723	0.759002	0.659518
AL355987.	ENSG00000273066	-0.63525	0.410759	-2.72101	0.01427	0.024246	-3.3112	0.742531	1.374745	0.898566	0.635873	0.730585	0.657796	1.074544	1.710758	1.445026	1.646779	1.752042	1.780195	1.27873	1.495836	1.284217	1.734264	1.478665	1.416439
AL355312.	ENSG00000273132	0.045917	-0.03254	0.211397	0.835023	0.863267	-6.93381	0.318509	0.582935	0.421314	0.106501	0.106501	0.106501	0.106501	0.106501	0.39151	3.155466	2.946841	3.060643	3.36795	3.193633	3.387537	3.171932	3.138674	2.990979
NBPF26	ENSG00000273136	0.447986	1.721385	2.989194	0.008057	0.01455	-3.13067	1.384302	1.374745	1.54317	1.578054	1.087782	1.714252	1.867984	1.760835	1.244857	2.444376	2.935512	2.396013	3.108457	3.04352	3.021143	2.706012	2.854728	2.990979
LINC02604	ENSG00000273142	-0.45106	1.949771	-3.43695	0.003044	0.006101	-2.18154	2.996191	2.674627	2.776595	1.978268	2.333126	2.22781	1.588238	1.605065	1.674905	2.527059	2.701418	2.682227	2.412911	2.433888	2.449456	2.135245	2.295039	2.033602
AL138963.	ENSG00000273149	0.074204	2.357916	0.534187	0.599942	0.657002	-6.78301	2.780548	2.655462	2.109199	2.887595	2.737798	2.258349	2.806512	2.676938	2.274723	2.804042	2.714733	2.604447	2.694919	2.938056	2.589286	2.639009	2.535313	2.570068
AC073957.	ENSG00000273151	-1.30291	-0.4276	-4.84369	0.000141	0.0004	0.932751	0.216396	0.410755	0.219246	0.258133	0.25478	0.3528	0.106501	0.106501	0.106501	2.83033	2.741	2.948194	1.711947	1.560439	1.610309	3.063688	2.985098	2.778299
AC006946.	ENSG00000273203	0.215841	-1.62701	1.114245	0.280263	0.341149	-5.85475	0.106501	0.106501	0.106501	0.106501	0.25478	0.106501	0.106501	0.106501	0.106501	1.704765	1.467416	1.46518	1.644349	1.560439	1.390007	1.286141	1.442809	1.504318
AC104506.	ENSG00000273204	-0.05284	-0.95502	-0.15629	0.877595	0.899898	-6.44197	0.106501	0.410755	0.598525	0.258133	0.25478	0.2349	0.269385	0.106501	0.515351	1.646779	1.228418	1.696985	1.621093	1.652223	1.247156	1.13872	1.206659	1.058313
AC102953.	ENSG00000273230	-0.26621	4.525496	-3.43579	0.003052	0.006114	-2.60251	5.636146	5.512479	5.722344	5.355021	5.469652	5.30589	5.601686	5.633301	5.680369	3.851231	3.860515	3.759253	3.746669	3.576046	3.299771	3.623987	3.571152	3.669942
RAB33B-AS	ENSG00000273247	0.714705	0.798623	4.453162	0.000328	0.000845	0.215016	1.18244	0.8079	0.898566	1.393812	1.498102	1.475193	1.389995	1.430416	0.925731	1.840286	1.529011	1.514616	2.209661	1.993753	1.876113	1.571317	1.67689	1.81044
AC090114.	ENSG00000273270	0.908409	2.240323	8.567092	1.15E-07	8.80E-07	7.891531	1.384302	1.883052	1.78216	2.48816	2.366112	2.719893	1.762502	1.605065	1.314712	3.024981	2.865607	3.109727	3.652319	3.813238	3.843644	2.719047	3.046116	2.975687
AP000350.	ENSG00000273295	0.456703	0.459315	2.080668	0.052466	0.077696	-4.48129	1.12723	1.002471	1.30847	0.841981	1.373859	1.475193	1.459147	1.301009	1.314712	1.028404	1.403073	1.061592	1.420179	1.462417	1.775589	1.099384	1.118494	1.504318
AC009237.	ENSG00000273305	1.164184	-1.56766	6.44894	5.25E-06	2.27E-05	4.274647	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.423238	1.369793	1.061592	2.129525	2.398985	2.058312	1.734264	1.406038	1.844513
DGCR11	ENSG00000273311	-0.1905	1.323782	-1.18577	0.251582	0.310295	-5.90591	1.894617	1.744817	2.018628	1.74141	1.909591	1.422231	2.303642	2.220554	2.34318	1.940223	1.725977	1.585733	1.776519	1.681564	1.488568	1.681967	1.795362	1.703111
AC005229.	ENSG00000273314	-0.12054	1.396345	-0.6174	0.544932	0.605182	-6.38747	2.649532	2.655462	2.5366	2.181668	2.193078	1.993763	2.446718	2.255906	2.440135	1.457372	1.228418	1.061592	1.524131	1.591687	1.51998	1.482378	1.737342	1.461048
AC078846.	ENSG00000273329	0.23631	1.196082	1.541917	0.141004	0.186405	-5.5557	1.18244	1.118985	1.256574	1.022291	1.373859	1.188496	1.867984	1.491012	1.445026	2.18395	2.053933	2.16783	2.300295	2.451029	2.399663	1.992244	2.078458	2.302316
PAXIP1-DT	ENSG00000273344	-0.19432	2.056724	-1.55987	0.136713	0.181456	-5.81948	1.642349	2.125186	2.079636	1.578054	1.864131	1.714252	1.70672	1.658879	1.674905	3.186323	3.390227	3.332842	2.949505	3.282491	3.299771	2.878584	2.813204	2.302316
TMEM167	ENSG00000273382	0.747142	0.111775	4.568487	0.000255	0.000677	0.52678	0.814199	0.875715	0.598525	1.104644	1.164793	1.188496	0.782422	0.915275	0.515351	1.278001	1.300837	1.126631	1.755315	1.428204	1.722572	1.058946	1.329561	1.115245
NA	ENSG00000273466	-0.33333	1.354842	-2.15026	0.045801	0.068675	-4.51381	1.430644	1.81559	2.018628	1.519216	1.2379	1.623325	2.226405	2.147141	2.005764	2.100009	1.777644	1.969371	1.755315	1.681564	1.801384	2.247458	1.90484	2.14716
CWC25	ENSG00000273559	-0.20272	4.853335	-3.65509	0.001886	0.003995	-2.32688	5.153322	5.095468	5.097747	4.797189	4.720591	4.834637	4.688362	4.630987	4.912549	5.04952	4.936777	5.070772	4.955062	4.866361	4.932613	4.790139	4.850589	4.894538
AC009283.	ENSG00000273576	0.370585	0.759287	2.23205	0.038963	0.059436	-4.29951	1.286899	1.226787	1.585853	1.326771	1.556428	1.526279	1.160105	1.301009	1.01237	1.586365	1.335727	1.277453	1.573426	1.710321	1.851631	1.419885	1.795362	1.703111
EPOP	ENSG00000273604	-0.47557	3.592749	-1.59595	0.128422	0.171942	-5.94433	3.936145	3.768792	3.726899	4.272916	4.621619	4.138446	3.632324	3.578282	3.468658	3.792275	3.754913	3.85832	2.781373	2.700737	2.513282	4.208537	4.145732	4.101878
ZNHIT3	ENSG00000273611	-0.00401	5.5177	-0.08005	0.937108	0.948428	-7.6253	5.883176	5.965765	5.86564	5.96359	5.891089	5.944959	6.070782	6.070587	6.069409	5.109782	5.224293	5.204822	5.176612	5.128506	5.110805	5.146741	5.08382	5.01537
AL121832.	ENSG00000273619	-0.24894	0.805747	-1.3756	0.186321	0.237856	-5.81075	0.814199	0.940485	1.202741	0.934951	0.92021	0.830331	0.886508	0.726566	1.171446	2.338465	2.741	2.649405	2.300295	2.127698	2.647333	1.708352	1.851139	1.416439
AC091271.	ENSG00000273702	0.601953	0.358283	3.127955	0.005971	0.011146	-2.5652	0.947665	0.661886	0.679585	0.635873	1.006428	0.830331	1.160105	0.509405	1.01237	1.586365	1.435603	1.67541	2.027088	2.06228	2.23906	1.599785	1.442809	1.58715
LHX1	ENSG00000273706	-0.38033	0.664776	-0.85135	0.40609	0.471196	-6.38146	0.41387	0.106501	0.323815	1.457877	1.164793	1.422231	0.782422	0.253663	1.01237	2.722179	2.766797	2.766268	1.858352	2.190279	1.722572	3.39949	3.520448	3.340497
CYFIP1	ENSG00000273749	-0.14941	6.946283	-1.55138	0.138728	0.183805	-6.63609	7.761602	7.730002	7.781548	7.218288	7.298958	7.264901	7.346063	7.400467	7.450976	6.319445	6.507749	6.444195	6.648898	6.567528	6.700179	6.235393	6.330965	6.259301
AL136040.	ENSG00000273783	0.361781	-0.32556	1.459617	0.162136	0.210472	-5.43367	0.503316	0.582935	0.219246	0.742604	0.625525	0.2349	0.415731	0.726566	0.515351	1.423238	1.300837	1.60868	1.621093	1.793303	1.639204	1.354562	1.368306	1.370407
USP27X	ENSG00000273820	0.570249	2.351872	4.451248	0.000329	0.000848	-0.03685	2.609804	2.853456	2.558197	2.766336	2.991399	3.016392	2.303642	2.147141	2.376228	2.121457	2.632935	2.355887	3.039964	2.974074	2.98783	2.432936	2.315011	2.760563
TAF9	ENSG00000273841	-0.04102	6.529516	-0.68782	0.500591	0.562829	-7.54506	6.925625	6.932538	7.013379	6.789321	6.652507	6.711432	6.836875	6.833319	6.749541	6.286596	6.211608	6.19313	6.328324	6.387829	6.415981	6.144111	6.232019	6.183125
NOL12	ENSG00000273899	0.009027	0.124672	0.04241	0.966652	0.97237	-6.45377	1.12723	0.736739	1.146821	1.104644	0.730585	1.367251	0.782422	1.082132	0.833554	1.158593	1.498542	1.413989	1.420179	1.203912	1.284217	0.884806	1.2488	0.872651
LINC01138	ENSG00000274020	0.793142	2.267114	5.341697	4.92E-05	0.000159	1.795358	1.286899	1.173893	1.453818	2.633943	2.660129	2.22781	1.816207	1.658879	1.777424	2.856146	3.15652	2.966075	3.409264	3.544454	3.540876	3.52355	3.579432	3.753014
CASTOR2	ENSG00000274070	1.183399	1.281045	5.880279	1.62E-05	6.04E-05	3.12391	1.384302	1.277811	1.62731	1.791994	2.398361	1.799787	1.70672	1.710758	1.727075	1.76051	1.335727	1.718241	2.738794	2.657091	2.513282	1.286141	1.707432	1.58715
AC020910.	ENSG00000274104	-1.03309	-0.21744	-4.29899	0.000459	0.001135	-0.00614	0.814199	1.118985	1.146821	0.258133	0.625525	0.461789	0.670238	0.622068	0.833554	1.555182	1.699433	1.538714	1.392977	0.986036	1.08859	1.099384	1.072305	0.734116
ALOX15P1	ENSG00000274114	0.223979	-1.74489	0.900026	0.38034	0.444943	-5.9916	0.106501	0.106501	0.323815	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.315703	1.07167	1.158083	1.473091	1.120667	1.355599	1.13872	1.118494	1.115245
AL035661.	ENSG00000274173	0.146613	0.056699	2.228611	0.039231	0.059787	-5.00209	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	4.464232	4.45175	4.472706	4.467344	4.671739	4.653399	4.21775	4.372311	4.177341
NATD1	ENSG00000274180	0.927063	1.19987	2.125413	0.048087	0.0718	-4.40394	3.17016	3.042358	3.204003	4.072648	4.1009	4.121933	3.523527	3.535768	3.759121	0.88529	0.986408	0.846782	0.787801	1.077171	1.08859	0.326864	0.106501	0.497646
SOCS7	ENSG00000274211	-0.71593	5.897618	-14.9988	2.03E-11	1.04E-09	16.3534	6.362559	6.228223	6.334702	5.591153	5.411586	5.622881	5.904087	5.907876	5.923331	6.234645	6.261228	6.175948	5.637019	5.483259	5.578118	6.054394	5.911317	5.991156
AC009163.	ENSG00000274220	0.342268	-0.85839	1.119566	0.278049	0.338677	-5.92296	0.216396	0.106501	0.106501	0.52061	0.389229	0.3528	0.269385	0.253663	0.106501	1.91588	1.827525	1.915176	1.838325	1.428204	2.014873	1.571317	1.547811	1.546329
AC245297.	ENSG00000274265	-0.25592	2.082093	-1.5144	0.147798	0.194304	-5.82962	2.137484	2.232543	2.018628	1.978268	2.193078	1.575618	1.389995	2.220554	1.38134	2.943032	2.792142	2.948194	2.683738	2.565626	2.858649	3.181381	3.287607	3.352387
GAGE13	ENSG00000274274	-0.1831	-1.93138	-1.00487	0.328672	0.391935	-5.8858	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.388276	1.190799	1.562415	1.088368	1.428204	1.002253	1.250674	1.118494	1.170016
CBSL	ENSG00000274276	-0.29638	1.904818	-2.23358	0.038845	0.059268	-4.60558	1.755904	1.744817	1.54317	1.578054	1.164793	1.310092	2.058296	1.85606	2.202855	3.17611	2.687979	2.992487	2.717023	2.784257	2.76998	3.200096	3.034117	2.84714
H2BC6	ENSG00000274290	1.118327	1.236363	9.810464	1.58E-08	1.73E-07	9.889902	0.318509	0.410755	0.756332	1.022291	0.92021	1.188496	0.782422	0.387194	0.833554	3.134522	3.034402	3.018425	4.006532	4.005327	4.046009	3.254827	3.171908	3.107809
ZNF658	ENSG00000274349	0.746535	2.330499	5.363597	4.70E-05	0.000153	1.936045	2.438959	2.068355	2.274882	2.714828	2.57804	2.5075	2.513265	3.063581	2.274723	2.243849	2.032826	2.447834	2.95881	2.974074	3.167173	2.924322	2.770449	3.006111

AL121772.	ENSG00000274414	-1.9234	-0.17147	-5.78642	1.96E-05	7.09E-05	3.020403	1.719036	1.551021	1.62731	0.635873	0.828511	0.909432	0.670238	1.15884	0.735084	1.028404	1.435603	1.248523	0.46104	0.550009	0.263213	1.099384	1.406038	1.058313
AC114271.	ENSG00000274425	-0.63316	1.2693	-4.96948	0.000108	0.000316	1.293631	1.959273	1.978677	2.221741	1.688986	1.498102	1.475193	2.144798	1.945386	1.727075	1.940223	1.8028	2.055402	1.644349	1.357245	1.610309	1.708352	1.766644	1.739782
RCC1L	ENSG00000274523	-0.42332	6.5858	-7.93188	3.39E-07	2.19E-06	6.248059	7.111348	7.07728	7.117058	6.468179	6.623812	6.483221	6.909708	6.882213	6.83374	6.425634	6.544565	6.58464	6.27624	6.221748	6.238527	6.387036	6.356484	6.287442
AC005332.	ENSG00000274561	0.603851	0.279346	2.509578	0.022189	0.035963	-3.7649	0.814199	0.499412	0.679585	1.104644	1.164793	0.909432	0.782422	0.915275	0.515351	1.199504	1.777644	1.413989	1.897591	2.084417	1.320349	1.599785	1.547811	2.06284
PI4KAP1	ENSG00000274602	0.407766	1.453488	3.029577	0.007386	0.013487	-2.92386	1.18244	1.226787	1.585853	1.634586	1.373859	1.623325	1.966276	1.710758	1.674905	2.263275	2.155072	2.16783	2.649667	2.344993	2.544166	2.192442	2.274787	2.374055
PCCA-DT	ENSG00000274605	0.309673	2.222401	2.724739	0.014159	0.024073	-3.6298	2.762544	2.332462	2.600444	2.518519	2.904251	2.924168	2.576877	2.753138	2.501332	2.078238	2.249583	2.396013	2.491955	2.451029	2.633039	2.494877	2.233409	2.374055
NA	ENSG00000274627	-0.36404	1.528501	-1.98488	0.063082	0.091644	-4.93263	2.505419	2.206444	2.248556	1.457877	1.666451	1.714252	1.317361	1.549165	1.314712	2.30136	2.485369	2.038602	2.300295	1.946191	2.382676	2.013561	2.006592	2.350536
AC106782.	ENSG00000274653	0.758901	-0.56891	2.098597	0.05067	0.075317	-4.39264	0.318509	0.661886	0.323815	0.52061	0.512209	0.830331	0.548589	1.082132	0.106501	1.073118	0.986408	1.126631	1.689764	1.710321	1.08859	1.320757	1.072305	0.999041
AC005332.	ENSG00000274712	0.930457	1.545711	5.844393	1.75E-05	6.43E-05	2.999528	1.475543	1.226787	1.358564	1.888135	2.155834	1.669505	2.144798	1.082132	1.873138	1.91588	2.074736	2.088428	2.83289	2.642244	2.942182	2.247458	2.274787	2.397196
H3C6	ENSG00000274750	1.573713	-1.53935	4.911129	0.000122	0.000353	1.31035	1.235614	1.631689	1.453818	2.740812	3.170134	2.980206	2.667326	2.568641	2.560038	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC068473.	ENSG00000274828	-0.06468	1.559613	-0.3277	0.747034	0.788616	-6.67106	2.345296	1.849715	1.987129	1.393812	2.03796	2.22781	2.26554	2.220554	1.873138	2.121457	2.23117	2.104662	2.079215	2.269709	2.200805	1.45147	1.707432	1.703111
AC026356.	ENSG00000274964	0.648105	0.135625	2.759394	0.013159	0.022548	-3.18836	0.587539	0.8079	1.256574	1.022291	1.498102	1.367251	0.782422	0.915275	0.925731	0.88529	0.986408	1.094478	1.218025	1.428204	1.129895	1.320757	1.2488	1.626848
ZNF280B	ENSG00000275004	-0.39715	2.285707	-2.79314	0.012251	0.021167	-3.42773	3.262728	3.027527	3.075109	3.083078	2.633282	3.051692	3.219115	3.605944	3.143496	2.263275	2.193623	2.228347	1.689764	1.591687	2.036756	2.283004	2.212266	2.033602
MLLT6	ENSG00000275023	-0.25078	7.201429	-2.42351	0.02648	0.042141	-5.21359	7.044006	6.943443	7.111591	6.288261	6.371051	6.483221	6.439253	6.438765	6.348704	7.724468	7.806437	7.737436	7.791604	7.803652	7.778393	7.919903	7.904243	7.891533
PPP4R3B	ENSG00000275052	-0.00403	7.170055	-0.08257	0.935133	0.946765	-7.86002	7.259109	7.196438	7.174121	7.037488	7.025904	7.067783	7.222228	7.335857	7.206466	7.08318	7.122722	7.137326	7.225323	7.277055	7.248857	7.206078	7.175286	7.245944
SYNRG	ENSG00000275066	0.328921	5.379193	4.837967	0.000143	0.000405	0.201136	5.343965	5.413282	5.480815	5.854769	5.647884	5.699996	5.847177	5.71813	5.794788	5.200749	5.035583	4.992239	5.35987	5.38635	5.414342	5.194188	5.066252	5.026544
NUDT18	ENSG00000275074	0.737859	1.758011	3.896358	0.001109	0.002479	-1.19143	1.602421	2.125186	1.921989	2.577385	2.57804	2.374422	1.588238	0.915275	1.244857	1.940223	2.405511	2.369387	2.842976	2.997596	2.675503	2.247458	2.649824	2.200755
ZNF2	ENSG00000275111	0.113561	3.23088	1.524197	0.145349	0.191387	-5.9924	3.337603	3.461896	3.39613	3.456785	3.574682	3.510758	3.507292	3.578282	3.357206	3.367773	3.398501	3.133657	3.381853	3.38415	3.361763	3.073871	3.297679	3.30423
PDE4DIPP	ENSG00000275131	0.887275	0.485939	4.332468	0.000427	0.001064	-0.06151	0.503316	0.499412	0.512639	1.022291	1.373859	1.526279	0.983587	0.824004	0.39151	1.676063	1.967585	1.759838	2.145912	2.169719	2.312654	1.809319	1.90484	1.910335
AL354718.	ENSG00000275160	0.3827	-0.06117	1.231516	0.234443	0.291274	-5.64887	0.814199	0.875715	0.512639	1.578054	1.556428	1.250575	0.670238	0.726566	0.833554	1.073118	1.112482	1.126631	0.787801	0.837535	1.209118	1.286141	1.072305	1.115245
LENG9	ENSG00000275183	-0.01257	3.027438	-0.12832	0.899359	0.917758	-7.10717	3.19722	3.012542	3.431666	2.97776	3.188693	3.069023	2.957542	3.002451	3.104585	3.265521	3.146729	3.38694	3.442811	3.152313	3.387537	3.39137	3.449945	3.050576
AL161421.	ENSG00000275202	-0.20676	0.434359	-0.81795	0.424399	0.48949	-6.13508	0.814199	0.940485	0.598525	1.022291	0.92021	1.055701	1.317361	1.301009	1.777424	1.52331	1.588084	1.800268	1.308151	1.357245	1.08859	1.784732	1.289746	1.703111
AL161431.	ENSG00000275216	-0.17044	2.498719	-1.25693	0.225316	0.281038	-6.05663	3.672523	3.516026	3.618004	3.487804	3.033076	3.523386	3.352323	3.431409	3.572114	2.01088	1.989662	2.409144	2.145912	1.993753	2.276326	1.880661	1.851139	2.200755
AL121906.	ENSG00000275223	0.709896	-0.05492	2.994232	0.00797	0.014412	-2.62831	1.519087	1.670392	1.62731	1.888135	2.333126	2.429135	1.525136	1.491012	1.244857	0.483018	0.799097	0.397516	0.787801	0.550009	0.651457	0.517985	0.504542	0.315289
AC010503.	ENSG00000275234	0.8156	-0.51107	3.415722	0.003189	0.006354	-2.03366	0.318509	0.106501	0.219246	0.258133	0.625525	0.2349	0.269385	0.106501	0.39151	2.100009	1.875739	1.877881	2.638129	2.549802	2.312654	1.627702	1.737342	2.033602
PRAG1	ENSG00000275342	0.225702	5.4001	1.394214	0.180725	0.231502	-6.76686	4.69816	4.701347	4.795321	4.041626	3.956756	3.828257	3.440463	3.619579	3.406029	6.572048	6.525802	6.622479	7.186243	6.992436	7.118334	6.960663	6.940749	6.796192
AC006001.	ENSG00000275400	0.0858	2.422353	0.570185	0.575809	0.634134	-6.69541	2.965042	2.356396	2.641489	3.123142	2.811499	2.998412	3.19904	3.285084	3.218306	2.224158	2.469748	2.649405	2.399306	2.250257	2.220059	2.368215	2.680939	2.48622
HNF1B	ENSG00000275410	1.140655	-1.00288	2.633627	0.017146	0.028542	-3.26439	2.369288	2.258179	2.049454	3.503067	3.546181	3.391835	2.186178	1.901414	2.274723	0.190076	0.106501	0.16959	0.106501	0.106501	0.186984	0.106501	0.106501	0.214669
AL121832.	ENSG00000275437	0.095057	-0.71052	0.243653	0.810336	0.842454	-6.46798	0.106501	0.316291	0.421314	0.258133	0.512209	0.106501	0.106501	0.622068	0.629397	1.787595	1.851833	1.46518	1.897591	1.622273	1.667532	1.250674	1.90484	1.504318
AL117332.	ENSG00000275457	0.464128	0.288898	2.064656	0.05412	0.079829	-4.55421	1.069823	0.875715	0.679585	1.104644	1.307481	1.310092	0.782422	0.726566	0.515351	1.239286	1.190799	1.585733	1.548989	1.681564	1.423614	1.948641	1.442809	1.461048
FP565260.	ENSG00000275464	-0.06439	3.17297	-0.49471	0.626963	0.680991	-6.98294	3.662849	3.310847	3.466347	3.955484	3.808643	3.776446	3.315502	3.446787	3.218306	3.340597	3.339557	3.305013	2.930712	3.009215	2.846311	3.032701	3.171908	3.065099
AATF	ENSG00000275700	-0.22855	7.025387	-2.69528	0.015065	0.025439	-4.64801	7.178234	7.225969	7.069913	7.085173	7.085301	7.094475	6.853024	6.785736	6.747963	7.138139	7.140098	7.222542	6.842303	6.770613	6.828818	7.190954	7.20636	7.198156
AC092747.	ENSG00000275764	0.765092	2.34795	7.456793	7.90E-07	4.48E-06	5.959168	1.791852	1.631689	1.62731	2.48816	2.299368	2.532704	1.966276	2.220554	1.674905	2.777267	3.096753	2.983737	3.714069	3.462307	3.502077	3.209363	3.267249	3.466183
AC091982.	ENSG00000275765	-0.40918	0.133196	-1.56759	0.134903	0.179488	-5.17447	1.826927	2.09705	1.54317	1.578054	1.307481	1.367251	1.525136	1.001115	1.38134	0.669294	0.941811	0.76743	0.610222	0.671977	0.957066	1.13872	0.69947	0.659518
RIMBP3	ENSG00000275793	0.286947	0.341515	0.879988	0.390805	0.455801	-5.96881	1.602421	1.277811	1.30847	2.063099	1.718467	2.374422	2.01302	1.988058	2.087859	1.028404	0.799097	1.094478	0.907968	0.550009	0.533283	0.738851	0.572487	0.805046
ARHGAP23	ENSG00000275832	1.189719	5.125046	23.85612	8.83E-15	5.03E-12	24.16463	4.158957	4.14364	4.222364	5.26388	5.379635	5.207592	4.264577	4.221128	4.170531	5.269607	5.314511	5.232786	6.407764	6.483602	6.469252	5.660702	5.64557	5.610463
TUBGCP5	ENSG00000275835	-0.13079	4.567437	-1.63439	0.120059	0.162163	-6.1127	5.307177	5.325066	5.148462	5.1029	5.109506	5.265117	5.038289	5.018308	4.945952	4.161861	4.071868	4.175097	3.95166	4.10615	3.928025	4.276243	4.11758	4.353311
AL139385.	ENSG00000275880	0.916693	0.282158	3.256139	0.004519	0.008692	-2.14092	1.602421	1.780637	1.744977	2.766336	2.948483	2.697781	1.240874	1.491012	1.727075	0.609835	0.748206	0.683459	0.701742	0.550009	0.760679	0.457048	0.759002	0.580851
SIK1B	ENSG00000275993	-0.30253	6.592722	-4.22596	0.000538	0.001311	-1.27622	7.605604	7.58876	7.625351	7.315508	7.191488	7.246929	7.457992	7.494113	7.446121	6.028718	6.019777	6.058979	5.796028	5.808237	5.80545	5.541021	5.462956	5.50523
DUSP14	ENSG00000276023	0.026289	6.061704	0.321519	0.75163	0.79288	-7.67229	6.218111	6.403582	6.333137	6.388234	6.371051	6.172458	6.522384	6.53903	6.566582	5.860347	5.696457	5.940754	5.857021	5.898468	5.914363	5.6708	5.603561	5.565205
UHRF1	ENSG00000276043	-2.14955	4.987359	-11.7806	9.63E-10	1.85E-08	12.46602	6.153953	6.03599	6.167376	4.584077	5.079986	4.864722	3.705302	3.646467	3.783962	6.744376	6.656607	6.823435	4.097807	4.164465	4.27038	4.681127	4.808944	4.557121
ORAI1	ENSG00000276045	0.223279	5.014771	2.967663	0.008439	0.015159	-3.80203	4.876148	4.843609	4.857612	5.359221	5.355198	5.373711	5.29153	5.192623	5.174497	4.933056	4.827642	4.950186	4.943391	4.847068	4.897167	5.189513	5.123998	5.055925
NA	ENSG00000276073	0.657709	-0.04107	3.430984	0.003084	0.006171	-2.04099	0.503316	0.410755	0.512639	0.841981	0.512209	0.563119	0.106501	0.509405	0.256032	1.865926	1.875739	2.055402	2.42639	2.612083	2.382676	1.599785	2.054898	1.461048
FUT8-AS1	ENSG00000276116	0.71843	0.254105	3.436462	0.003047	0.006106	-2.3684	0.503316	0.410755	0.421314	0.106501	0.625525	0.106501	0.106501	0.253663	0.106501	2.930935	3.223257	3.180357	3.814873	4.011117	3.962731	3.333216	3.204393	3.050576
WHAMMP	ENSG00000276141	-0.21777	-0.94226	-0.6457	0.526862	0.588372	-6.00783	3.011517	2.61635	2.916938	2.766336	2.520598	2.675323	2.667326	2.753138	2.959482	0.190076	0.106501	0.16959	0.106501	0.106501	0.263213	0.106501	0.106501	0.106501
TADA2A	ENSG00000276234	-0.33754	4.502374	-4.97686	0.000106	0.000312	0.685662	5.067938	5.073976	5.105102	4.701197	4.470555	4.78306	4.889651	4.87219	4.929347	4.313985	4.407337	4.260892	4.002038	4.095289	4.21867	4.469892	4.348284	4.229846
AL442125.	ENSG00000276248	0.35606	0.057441	1.15568	0.263367	0.323206	-5.63332	1.642349	2.068355	2.079636	2.063099	2.429905	2.196611	1.966276	1.945386	1.826075	0.483018	0.748206	0.397516	0.656707	0.550009	0.533283	0.183756	0.572487	0.580851
FRG1HP	ENSG00000276291	-0.11027	3.195416	-0.59009	0.562682	0.622082	-6.9301	3.85351	4.021717	3.828148	3.123142	3.093416	3.051692	3.440463	3.724251	3.721038	2.881509	3.106888	3.077191	3.551365	3.462307	3.454098	3.053433	3.009816	2.928814
PIP4K2B	ENSG00000276293	0.052653	6.624959	1.098455	0.286908	0.348018	-7.16488	6.962565	6.939487	7.000618	7.164108	7.141159	7.171712	7.332305	7.326535	7.262778	6.148471	6.11449	6.082734	6.069508	6.006758	5.975122	6.345611	6.251582	6.243427
CNTNAP3	ENSG00000276386	0.691193	0.290774	2.980345	0.008212	0.014798	-2.80868	0.587539	1.173893	1.028027	1.182548	0.92021	0.984419	1.240874	0.915275	0.925731	1.116489	1.588084	1.188864	1.838325	1.946191	1.826726	0.974502	1.072305	1.222783
AP001505.	ENSG00000276529	-0.78303	1.680499	-5.35774	4.76E-05	0.000155	2.093244	2.867343	2.836538	2.700947	2.291228	2.117603	2.196611	3.004565	2.650616	2.77354	1.676063	2.011405	1.67541	1.018891	1.282615	1.51998	1.903678	1.956613	1.775544
PCDHGB5	ENSG00000276547	1.055798	2.674903	12.37318	4.46E-10	9.85E-09	13.40853	1.286899	1.915637	1.146821	2.325974	2.429905	2.317553	1.648695	1.809233	1.777424	3.838337	3.675424	3.669344	4.74791	4.561635	4.70214	3.906321	3.916575	4.007286
HERC2P2	ENSG00000276550	0.027709	3.42813	0.260738	0.797342	0.831493	-7.20875	3.114469	3.260998	3.443319	3.57705	3.560502	3.391835	3.238915	3.384264	3.437684	4.01489	4.061483	3.602326	3.87509	3.583837	3.856005	3.545669	3.72088	3.455199
RAB7B	ENSG00000276600	-0.4228	0.550259	-1.4622	0.161434	0.209752	-5.50612	1.010037	0.875715	1.088647	1.578054	1.164793	1.422231	0.670238	1.430416	0.735084	1.732907	1.922393	1.915176	1.186687	1.428204	1.046067	2.055273	1.645686	1.58715
AL161891.	ENSG00000276672	-1.45593	0.157346	-4.55552	0.000263	0.000694	0.569805	1.235614	1.631689	1.30847	1.104644	0.92021	1.310092	1.816207	1.605065	1.674905	1.278001	1.467416	1.305813	0.46104	0.484926	0.263213	1.017342	1.289746	1.273688
YWHAEP7	ENSG00000276715	0.478411	0.178168	1.857759	0.080133	0.113224	-4.69549	1.826927	2.283367	1.921989	2.425456	2.549605	2.288255	2.144798	2.184314	2.047395	0.269074	0.748206	0.594297	0.46104	0.612281	0.760679	0.393424	0.433238	0.409347
AL133216.	ENSG00000276805	-0.08889	1.273096	-0.65039	0.523899	0.585568	-6.47764	1.719036	1.947501	2.109199	1.393812	1.612488	1.623325	1.588238	1.549165	1.38134	1.940223	1.967585	1.915176	2.009285	2.10622	2.10048	1.948641	1.581179	1.81044
AC015922.	ENSG00000276855	0.510956	2.550542	4.567901	0.000256	0.000678	0.180024	2.649532	2.425906	2.681399	3.020814	2.787348	3.247073	2.908934	2.702788	2.239236	2.620402	2.687979	2.671369	3.165832	2.913535	3.186878	2.639009	2.711397	2.944608
AC023157.	ENSG00000276900	-0.37933	1.767604	-4.19111	0.000581	0.001401	-0.91269	0.742531	0.940485	0.679585	0.635873	1.087782	0.563119	0.415731	0.509405	1.0941	4.541844	4.558991	4.601264	4.135224	4.220515	4.223448	4.057652	4.25315	4.249053
GTF2IP1	ENSG00000277053	0.474631	2.299786	6.136972	9.70E-06	3.86E-05	3.484374	2.416107	2.425906	2.326135	2.766336	2.737798	2.865864	2.186178	2.108984	2.239236	2.763691	2.469748	2.569785	2.995443	2.974074	3.010124	2.479639	2.618024	2.48622
STAG3L2	ENSG00000277072	0.627383	2.122345	3.666448	0.001839	0.003908	-1.62883	2.884092	2.693541	2.274882	2.81607	2.926537	3.086148	2.724622	2.894433	2.82232	2.14259	1.922393	1.877881	2.727949	2.50126	2.675503	1.627702	1.851139	1.665483
FP565260.	ENSG00000277117	0.391307	0.945977	2.022281	0.058726	0.085937	-4.76674	0.742531	1.226787	1.146821	1.634586	1.307481	1.367251	1.317361	0.915275	0.925731	2.14259	1.899254	1.60868	2.178139	1.793303	2.141451	2.368215	2.254246	2.091498
LINC00235	ENSG00000277142	-0.46206	-0.20992	-1.82364	0.085355	0.11981	-4.86459	0.503316	0.582935	0.829201	0.742604	0.389229	0.563119	0.782422	1.231675	0.39151	1.555182	1.725977	1.439812	1.308151	1.077171	1.247156	1.058946	1.16325	1.222783
LINC00869	ENSG00000277147	0.844624	0.944088	3.341194	0.003753	0.00735	-2.14825	0.947665	1.277811	1.088647	2.291228	1.768674	1.993763	0.670238	1.605065	1.445026	1.239286	1.55885	1.67541	1.897591	1.846087	1.775589	2.034568	1.795362	1.910335
TYW1B	ENSG00000277149	-0.18031	2.425296	-2.40885	0.027285	0.043215	-4.58433	1.602421	1.465573	1.706811	1.519216	1.718467	1.526279	1.317361	1.901414	1.620777	4.098381	4.071868	4.16352	3.899458	3.970091	3.886451	3.956715	3.842828	3.716682
PIGW	ENSG00000277161	-0.43452	5.206558	-7.95813	3.24E-07	2.10E-06	6.411712	4.896929	4.885335	4.913139	4.714371	4.573001	4.662649	4.330652	4.413424	4.613192	6.034383	6.118253	6.199757	5.616587	5.603108	5.633019	5.742772	5.744615	5.804702
AC006449.	ENSG00000277182	0.191702	-0.37915	0.564038	0.579895	0.637859	-6.35005	0.587539	0.215206	0.829201	1.022291	0.625525	0.984419	0.415731	0.106501	0.39151	1.315703	1.922393	1.387696	1.548989	1.428204	1.320349	1.286141	1.368306	1.170016
F8A1	ENSG00000277203	0.225845	4.797314	4.843612	0.000141	0.0004	0.283288	4.650007	4.609725	4.720675	4.851861	4.955466	4.93257	4.730929	4.651042	4.647437	4.893087	4.81224	4.869357	5.020957	5.180814	4.964358	4.936827	4.927198	4.950363
AC083809.	ENSG00000277247	2.22936	0.361276	6.899914	2.21E-06	1.08E-05	5.074965	0.814199	0.499412	0.964748	2.714828	2.460774	2.697781	2.226405	2.108984	2.005764	0.781331	0.695454	0.499259	1.186687	0.986036	1.17005	0.837776	0.69947	0.93723
PCGF2	ENSG00000277258	0.561511	6.095497	5.421257	4.17E-05	0.000138	1.336449	5.1077	5.325066	5.384366	6.31012	6.298145	6.284269	6.212706	6.007169	6.145661	6.130072	6.075026	6.138002	6.372513	6.261152	6.363917	6.515866	6.604842	6.590719
LHX1-DT	ENSG00000277268	0.121523	-0.04661	0.266145	0.793242	0.828175	-6.41252	0.318509	0.215206	0.323815	1.326771	0.92021	1.367251	0.782422	0.824004	0.629397	1.814181	1.369793	1.839597	1.248697	0.7293	1.320349	1.708352	1.581179	2.14716
AC004812.	ENSG00000277283	-0.02647	1.024402	-0.16864	0.868016	0.891359	-6.78184	1.069823	1.002471	1.406977	0.742604	1.006428	0.830331	0.782422	1.301009	0.925731	2.263275	2.469748	2.786535	2.626498	2.671787	2.589286	2.055273	2.212266	2.091498
SRCIN1	ENSG00000277363	0.847244	2.615296	7.907537	3.54E-07	2.27E-06	6.797672	2.416107	2.55562	2.274882	3.325575	3.112982	3.168853	2.884002	2.596487	2.643847	2.427256	2.632935	2.409144	3.318207	3.109775	3.064395	3.001034	3.058015	3.254409
MARCKS	ENSG00000277443	0.340309	5.234088	3.161316	0.005554	0.010454	-3.54883	4.327631	4.177623	4.229112	5.077635	5.029402	4.913508	3.647218	3.26787	3.528681	6.283031	6.366209	6.456106	6.503868	6.567528	6.582373	6.094959	6.045875	6.084997
ZNF670	ENSG00000277462	-0.33929	2.533053	-3.65374	0.001891	0.004006	-1.87067	2.505419	2.596389	2.469799	2.518519	1.953662	2.346268	2.412257	2.357042	1.962896	3.322191	3.478738	3.48321	2.95881	3.243672	3.19663	3.043104	3.160915	3.107809
AC005332.	ENSG00000277476	0.971522	2.558686	9.010894	5.53E-08	4.83E-07	8.605243	1.384302	1.374745	1.30847	2.291228	2.264801	2.697781	2.226405	2.220554	2.309357	3.216534	3.486521	3.254982	4.122859	4.084346	4.024267	3.836267	3.620134	3.660409
AC007996.	ENSG00000277534	-0.83466	2.850309	-5.76895	2.04E-05	7.31E-05	2.734514	3.952119	4.080378	3.922756	2.91067	2.549605	3.168853	3.440463	3.564249	3.641718	2.804042	2.85362	2.816411	2.439743	2.517623	2.465679	2.744769	2.827179	2.350536
NEFL	ENSG00000277586	0.496063	0.535865	1.160498	0.261453	0.321245	-5.66106	6.576037	6.576571	6.762082	7.032237	7.29789	7.105016	4.673889	4.670823	4.420702	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC007906.	ENSG00000277639	0.480443	0.22966	1.990948	0.062356	0.090709	-4.52321	1.791852	1.591918	1.706811	1.791994	2.03796	1.993763	1.525136	1.658879	1.50602	0.88529	0.748206	0.34382	0.745413	0.837535	0.957066	0.686723	0.816175	0.659518
AP003900.	ENSG00000277693	1.031469	-0.81756	3.974869	0.000934	0.002133	-0.8129	0.41387	0.106501	0.106501	0.258133	0.25478	0.3528	0.106501	0.387194	0.106501	1.676063	1.899254	1.60868	2.300295	2.467968	2.589286	1.65509	1.851139	1.322858
AC239859.	ENSG00000277702	0.298985	-0.11133	0.872334	0.394852	0.459956	-5.91307	1.602421	1.508929	1.406977	1.256461	0.92021	1.310092	1.525136	1.301009	1.564539	0.34397	0.695454	0.397516	0.869014	1.120667	0.862212	0.789161	0.871168	0.497646
PSMB3	ENSG00000277791	-0.14573	6.944489	-3.29741	0.00413	0.008017	-3.37591	7.303366	7.310335	7.240746	7.026967	7.0464	6.973145	7.157384	7.24091	7.153836	6.800302	6.709941	6.810504	6.777388	6.714052	6.743236	6.697242	6.793713	6.721381
AC006213.	ENSG00000277806	1.113369	-0.6751	3.699806	0.001709	0.003651	-1.289	0.106501	0.316291	0.323815	0.258133	0.25478	0.461789	0.670238	0.253663	0.39151	1.028404	1.369793	1.277453	2.044674	1.871771	2.014873	1.250674	1.442809	2.033602
AL035252.	ENSG00000277938	0.198651	0.099351	0.839447	0.412554	0.477594	-5.95282	1.384302	1.631689	1.453818	1.326771	1.718467	1.757653	1.816207	1.605065	1.727075	0.7264	0.462741	0.594297	0.907968	0.416769	0.707101	0.974502	0.871168	0.805046
AC006449.	ENSG00000277969	-0.10362	0.658039	-0.66002	0.517848	0.579942	-6.37492	1.384302	1.327092	1.088647	1.457877	0.92021	1.367251	0.886508	0.824004	1.244857	1.586365	2.011405	1.839597	1.818016	1.591687	1.722572	1.45147	1.368306	1.461048
CISD3	ENSG00000277972	0.122854	4.859896	1.711505	0.104675	0.143464	-6.07821	5.353017	5.491017	5.335175	5.329563	5.492239	5.384134	5.342749	5.141559	5.169792	4.323269	4.237848	4.50975	4.645023	4.612034	4.539229	4.609434	4.451131	4.467038
RDM1	ENSG00000278023	-2.3044	0.555674	-12.1233	6.14E-10	1.28E-08	12.33082	3.223781	2.950996	3.075109	1.393812	1.164793	1.055701	2.340763	2.255906	2.408535	1.352446	1.265082	1.126631	0.5125	0.416769	0.533283	0.686723	0.637375	0.734116
AL133325.	ENSG00000278041	-0.27413	-1.93816	-1.08861	0.29111	0.352485	-5.56586	1.861169	2.068355	1.954926	1.688986	1.768674	1.623325	1.160105	1.85606	1.38134	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
DDX52	ENSG00000278053	-0.16745	6.083475	-4.95338	0.000112	0.000326	0.333927	6.262023	6.234694	6.252636	6.025677	6.013255	6.085714	6.116986	6.221272	6.190479	6.118119	6.126994	6.143905	5.976366	6.012542	6.008725	6.059528	5.977034	6.070675
ZNF8	ENSG00000278129	0.264852	2.884377	3.084855	0.006555	0.012136	-3.1696	2.589523	2.55562	2.5366	2.714828	2.605925	2.402038	2.696258	2.568641	2.670735	3.520882	3.554746	3.373604	3.825085	3.666873	3.898452	3.470581	3.317614	3.571657
AC135050.	ENSG00000278133	0.527349	2.268928	4.226598	0.000538	0.001309	-0.48866	2.438959	2.125186	2.248556	2.955742	3.093416	2.865864	2.667326	2.540248	2.501332	2.392392	2.516115	2.627101	2.683738	2.743101	2.870883	2.095813	2.212266	2.419973
GLIDR	ENSG00000278175	0.125671	2.752714	0.753467	0.4612	0.524712	-6.80514	2.19231	2.308123	2.274882	3.376187	2.970101	3.168853	2.412257	2.220554	2.616448	3.512789	3.414909	3.346558	3.074617	3.223865	3.225499	3.39949	3.394711	3.352387
AL118505.	ENSG00000278192	-0.22411	-0.567	-0.97261	0.344015	0.408215	-5.92242	0.318509	0.316291	0.512639	0.635873	0.25478	0.3528	0.415731	0.824004	0.515351	1.423238	1.498542	1.360915	1.088368	1.320413	1.247156	1.214313	1.16325	1.322858
MYO19	ENSG00000278259	-0.52729	6.38811	-4.82778	0.000146	0.000413	0.017521	6.279537	6.143066	6.196933	6.069909	6.177895	6.184435	6.124988	6.095194	6.086983	6.970987	6.95263	6.942239	6.149908	6.107484	6.093383	6.888942	6.904135	6.945926
AC079949.	ENSG00000278266	-0.5669	1.100495	-1.69956	0.106941	0.146275	-5.27883	2.19231	2.513665	2.37563	1.519216	1.437317	0.830331	0.670238	1.301009	1.0941	1.840286	1.672391	1.759838	1.838325	1.622273	1.851631	2.192442	1.956613	2.226823
AL161772.	ENSG00000278291	-0.17865	1.604612	-0.77733	0.447359	0.511499	-6.47969	1.959273	2.179863	2.166567	1.840866	1.909591	1.993763	1.317361	1.367163	1.38134	2.338465	2.053933	2.152295	2.225168	1.766169	2.220059	2.946659	2.354144	2.668457
GGNBP2	ENSG00000278311	-0.31003	6.363267	-5.92008	1.50E-05	5.64E-05	2.368348	6.75173	6.784926	6.73033	6.500859	6.562874	6.430558	6.714937	6.793275	6.845588	6.235875	6.282621	6.355404	5.928622	5.938517	5.949395	6.054394	5.943748	6.068874
ZNF229	ENSG00000278318	0.166461	4.786842	1.349358	0.194443	0.246832	-6.68849	4.315334	4.230384	4.1812	3.325575	3.643567	3.678224	4.283766	4.119235	4.170531	5.540318	5.446069	5.456399	5.956761	5.929373	5.88752	5.763367	5.669038	5.720055
AC121338.	ENSG00000278385	0.238363	-1.15071	0.768538	0.452428	0.516506	-6.11589	0.318509	0.106501	0.323815	0.395333	0.106501	0.3528	0.269385	0.253663	0.106501	1.315703	1.228418	1.061592	1.392977	1.203912	1.284217	1.482378	1.547811	1.58715
DHRS11	ENSG00000278535	0.022928	3.347453	0.187681	0.853288	0.878706	-7.23957	3.385444	3.39414	3.309643	2.766336	2.633282	2.924168	2.981245	3.335526	2.846105	3.980092	3.786782	3.669344	4.114557	3.958151	4.14503	3.906321	3.84969	3.930053
ACACA	ENSG00000278540	-0.0264	6.627802	-0.28586	0.778343	0.815742	-7.7521	6.844509	6.887048	6.807875	7.099051	7.048942	7.25547	7.040971	7.033748	6.920314	6.413731	6.560324	6.301849	6.176075	6.012542	6.067042	6.449959	6.268324	6.393378
AC015871.	ENSG00000278600	0.152825	1.122748	1.563253	0.135918	0.180602	-5.84137	1.010037	0.736739	0.598525	0.635873	1.087782	0.746642	0.415731	0.509405	0.629397	3.437834	3.339557	3.133657	3.388755	3.445301	3.470269	2.794876	2.895091	2.880366
MRM1	ENSG00000278619	0.317981	3.80446	4.19078	0.000581	0.001402	-0.91714	3.710582	3.863696	4.042515	4.031135	4.149079	4.233737	3.879385	3.672864	3.879258	3.723813	3.619889	3.819506	4.059394	3.981932	4.083285	4.042177	3.822043	3.734962
NKILA	ENSG00000278709	0.501623	1.313884	4.69794	0.000193	0.000528	0.483535	0.882475	0.499412	0.598525	1.022291	0.730585	0.746642	0.983587	1.15884	0.925731	2.966925	2.912585	2.992487	3.482063	3.282491	3.412858	3.290193	3.287607	3.519884
AC005332.	ENSG00000278730	0.290946	5.32774	3.849403	0.00123	0.002712	-2.00427	4.780982	4.691972	4.676925	5.316663	5.321958	5.384134	5.071794	4.944392	4.967798	5.757935	5.741062	5.545315	5.785607	5.748835	5.740264	5.721879	5.633692	5.754064
AC005332.	ENSG00000278740	0.203117	-1.62654	1.298889	0.210857	0.265117	-5.66834	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.616888	1.922393	1.333627	1.733794	1.738515	1.610309	1.571317	1.613793	1.370407
BACE1-AS	ENSG00000278768	-0.12817	1.341009	-0.69558	0.495835	0.558412	-6.42123	2.109269	1.81559	2.138168	1.578054	1.498102	2.132113	2.186178	1.491012	1.873138	1.814181	1.945166	1.933468	1.878105	2.016959	1.923865	1.45147	1.406038	2.003758
AL136295.	ENSG00000278784	0.471784	0.763186	2.419802	0.026682	0.042399	-3.97191	1.519087	1.631689	0.964748	1.791994	1.2379	1.367251	1.074544	1.15884	1.314712	1.315703	1.403073	1.67541	1.755315	2.21055	1.826726	1.320757	1.289746	1.546329
LINC00624	ENSG00000278811	-0.1323	2.192413	-1.59309	0.129064	0.172704	-6.37994	0.216396	0.499412	0.598525	0.258133	0.25478	0.106501	0.269385	0.387194	0.515351	6.71822	6.680555	6.7343	6.60364	6.611069	6.619099	6.648678	6.547964	6.620522
H3C10	ENSG00000278828	1.354799	2.071024	13.82019	7.64E-11	2.72E-09	15.16319	1.336422	1.118985	1.146821	1.393812	1.612488	1.575618	1.240874	1.15884	1.244857	3.186323	3.295928	3.225594	4.574134	4.642195	4.602954	3.447271	3.431768	3.202807
AC073508.	ENSG00000278834	-0.11647	1.966638	-0.71051	0.486763	0.549799	-6.64466	2.296082	2.693541	2.194417	1.688986	2.078331	1.757653	1.762502	1.85606	1.674905	2.392392	2.877496	2.592986	2.822733	2.938056	2.497588	2.731965	2.37332	2.549558
MRPL45	ENSG00000278845	-0.49267	6.230985	-7.52869	6.93E-07	4.01E-06	5.549751	6.981173	6.975671	6.923673	6.220625	6.270099	6.237133	6.443525	6.540823	6.580828	6.115449	6.041075	6.156613	5.850787	5.832965	5.836971	5.916914	5.784554	5.817625
AC055811.	ENSG00000278864	-0.4629	2.062871	-2.68505	0.015393	0.025934	-3.94791	2.296082	1.978677	2.194417	1.256461	0.828511	1.188496	0.983587	1.15884	1.314712	3.956418	3.836353	3.38694	3.5452	3.479115	3.396027	3.236813	3.494411	3.55117
AC148477.	ENSG00000278872	-0.04798	-1.70115	-0.2961	0.770643	0.809579	-6.40688	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.555182	1.529011	1.387696	1.597456	1.203912	1.284217	1.482378	1.930959	1.703111
NA	ENSG00000278882	0.997827	-1.35312	5.690335	2.39E-05	8.41E-05	2.789788	0.106501	0.106501	0.106501	0.106501	0.106501	0.2349	0.106501	0.106501	0.106501	1.865926	1.435603	1.333627	2.25569	2.084417	2.382676	2.055273	1.581179	1.910335
CR381670.	ENSG00000278931	0.026126	-0.00771	0.086512	0.932042	0.944375	-6.39845	0.947665	1.277811	0.756332	0.52061	0.625525	0.830331	0.670238	1.491012	1.244857	1.116489	1.029669	1.061592	1.154653	1.622273	1.320349	0.837776	1.2488	1.170016
CR381653.	ENSG00000278932	0.451955	2.09632	3.511537	0.002585	0.005279	-2.0568	2.021155	1.915637	2.351095	2.021307	1.909591	2.22781	2.144798	2.324112	1.826075	2.605258	2.561038	2.53427	3.100071	3.162755	3.126936	2.568742	2.429363	2.760563
AL031587.	ENSG00000278948	0.083162	1.994733	0.490082	0.630171	0.683485	-6.69992	2.629805	2.636038	2.794903	2.291228	2.193078	2.402038	1.966276	2.108984	2.202855	2.01088	2.155072	1.986992	2.452975	2.50126	2.312654	2.417026	2.392244	2.528753
HEIH	ENSG00000278970	0.012858	4.922921	0.190833	0.850855	0.876768	-7.50484	5.356021	5.328095	5.344527	5.521661	5.230876	5.448454	5.374422	5.352217	5.400136	4.660143	4.5846	4.765977	4.561973	4.777434	4.580783	4.515433	4.391248	4.329449
NA	ENSG00000279010	0.107448	0.437423	0.497141	0.625286	0.679428	-6.375	1.336422	1.327092	1.256574	1.393812	1.164793	0.909432	0.670238	1.15884	1.244857	1.199504	1.228418	1.387696	1.365252	1.871771	1.320349	1.13872	1.368306	1.546329
AC102945.	ENSG00000279041	-0.59543	-0.28974	-2.10444	0.050096	0.074535	-4.59437	0.814199	0.499412	0.598525	0.52061	0.512209	0.2349	0.106501	0.622068	0.106501	1.940223	2.516115	1.951531	1.667235	1.591687	1.900186	1.627702	1.513652	1.877799
AC007485.	ENSG00000279059	0.193878	1.65644	1.617544	0.123665	0.166465	-5.41058	2.668993	2.125186	2.446827	2.48816	2.520598	2.629332	2.340763	2.540248	2.376228	1.676063	1.752042	1.653508	1.733794	1.846087	1.947161	1.65509	1.547811	1.58715
AC015813.	ENSG00000279069	-0.95825	0.816553	-6.04521	1.17E-05	4.54E-05	3.470909	1.642349	1.744817	1.853768	1.182548	1.164793	1.123626	0.670238	1.15884	0.925731	2.30136	1.899254	2.30059	1.524131	1.560439	1.390007	1.571317	1.707432	1.626848
AC022400.	ENSG00000279088	0.056931	2.959468	0.482869	0.635182	0.688094	-7.16215	2.461454	2.403106	2.5366	2.021307	1.953662	1.714252	2.226405	2.290412	2.501332	4.232554	4.219284	4.201752	4.460809	4.358622	4.452348	3.842237	3.842828	3.631427
AC243964.	ENSG00000279095	-0.14653	3.139989	-0.91206	0.374146	0.438922	-6.64957	3.17016	2.91921	3.309643	3.503067	3.772191	3.472196	3.602068	3.605944	3.468658	3.376719	3.365114	3.187996	2.67247	2.824271	2.76998	3.374993	3.644015	3.444131
AP001972.	ENSG00000279117	-0.42194	2.731018	-2.1168	0.048903	0.072935	-5.22278	1.719036	1.465573	1.406977	2.791417	2.737798	2.885561	1.317361	1.658879	1.314712	4.667452	4.755391	4.721931	3.956313	3.878039	4.093761	3.775173	3.68296	3.840032
PWAR5	ENSG00000279192	-0.21179	1.793489	-0.99492	0.333348	0.397013	-6.30224	1.602421	1.708084	1.499186	1.457877	1.768674	2.374422	2.102195	2.451551	2.165532	2.708071	3.055486	2.314614	2.479079	2.06228	2.18129	2.368215	2.447571	2.668457
AC015813.	ENSG00000279207	0.784847	2.770985	4.697385	0.000193	0.000529	0.482742	2.27083	2.308123	2.469799	2.887595	2.991399	3.247073	3.490873	3.913244	3.796224	2.664903	2.618839	2.355887	3.213258	3.141796	3.064395	3.022222	2.947209	3.352387
CR381653.	ENSG00000279208	0.376926	0.874059	1.4328	0.169559	0.218793	-5.40869	2.965042	2.886707	2.916938	3.162124	3.242978	3.18484	3.094248	2.938616	2.471058	0.54782	0.89579	0.34382	0.701742	0.671977	0.862212	0.393424	0.504542	0.93723
AC122688.	ENSG00000279233	0.456732	0.074021	1.221066	0.238278	0.295395	-5.64214	1.430644	1.061904	0.964748	1.688986	1.437317	1.669505	1.648695	1.082132	0.515351	0.781331	1.265082	0.594297	0.701742	1.032323	1.046067	0.63264	1.072305	1.370407
AL121753.	ENSG00000279253	-0.04889	0.161225	-0.20814	0.837528	0.865355	-6.34899	1.18244	1.002471	1.358564	1.457877	1.437317	1.422231	1.317361	1.491012	1.171446	1.028404	0.986408	1.061592	1.018891	0.837535	0.533283	1.177011	0.871168	0.999041
Z97653.2	ENSG00000279255	0.662901	-0.6754	2.532768	0.021151	0.03444	-3.73695	0.216396	0.316291	0.421314	0.395333	0.389229	0.461789	0.415731	0.106501	0.106501	1.704765	1.467416	1.188864	1.858352	2.10622	1.722572	1.708352	1.766644	1.461048
AC020910.	ENSG00000279329	-0.23199	0.266403	-1.16673	0.258994	0.318499	-5.82978	0.667115	1.173893	0.756332	0.52061	0.730585	0.909432	0.782422	0.915275	1.244857	1.52331	1.967585	1.46518	1.446877	1.528499	1.550722	1.482378	1.613793	1.504318
AC012513.	ENSG00000279348	0.21264	1.374603	1.149564	0.265811	0.325575	-5.8941	2.548084	2.61635	2.812981	2.605941	2.71237	3.292047	2.637802	2.676938	2.82232	1.073118	1.403073	1.061592	1.054048	1.320413	1.320349	0.884806	1.2488	1.115245
AL359183.	ENSG00000279406	0.500451	0.446452	2.338104	0.031499	0.04916	-4.1632	1.18244	1.173893	0.964748	1.182548	1.006428	0.563119	0.670238	0.509405	0.925731	1.586365	1.55885	1.718241	2.209661	2.326537	2.276326	1.542275	1.406038	1.170016

AC007191.	ENSG00000279407	-0.15105	0.188182	-0.9273	0.3664	0.431328	-6.06857	0.667115	0.736739	0.679585	0.934951	0.730585	0.563119	1.074544	0.726566	0.925731	1.787595	1.616737	1.585733	1.392977	1.652223	1.423614	1.627702	1.442809	1.546329
AL513497.	ENSG00000279443	0.958332	1.113588	3.00173	0.007843	0.01421	-2.88394	1.286899	1.061904	1.028027	1.182548	1.006428	1.123626	2.186178	1.85606	2.005764	1.646779	1.8028	1.514616	2.749557	2.784257	2.559363	1.571317	1.981819	1.703111
Z99129.4	ENSG00000279453	0.219641	0.239517	1.093289	0.289107	0.350447	-5.7718	1.561356	1.465573	1.744977	1.519216	1.666451	1.799787	1.525136	1.549165	1.727075	0.54782	1.112482	0.726056	0.982856	0.784432	0.957066	0.63264	0.759002	0.734116
WASH9P	ENSG00000279457	-0.48252	2.267183	-3.5107	0.002589	0.005288	-2.02888	2.90065	2.730641	2.641489	2.143217	2.398361	1.840725	2.607661	2.540248	2.588518	2.83033	2.753956	2.7037	2.67247	2.549802	2.294605	2.35157	2.908298	2.507643
AC090498.	ENSG00000279483	-0.58243	1.081563	-3.66457	0.001847	0.003921	-1.49592	1.755904	1.978677	1.62731	1.256461	1.437317	1.575618	1.074544	1.710758	1.244857	1.865926	1.989662	2.272125	1.573426	1.846087	1.488568	1.681967	1.82352	1.844513
AL928654.	ENSG00000279495	-0.4125	-0.18209	-1.96621	0.065363	0.094534	-4.74668	0.587539	0.736739	0.512639	0.635873	0.512209	0.461789	0.548589	0.253663	0.256032	1.964162	1.8028	1.631268	1.308151	1.320413	1.851631	1.708352	1.67689	1.739782
NA	ENSG00000279508	0.512948	0.178055	2.10231	0.050305	0.074806	-4.42975	0.882475	0.940485	1.406977	0.742604	1.006428	1.055701	1.160105	0.824004	0.833554	0.834246	1.112482	1.188864	1.548989	1.652223	1.639204	1.512637	1.206659	0.93723
AL356274.	ENSG00000279511	0.984132	0.334226	5.77355	2.02E-05	7.25E-05	2.896921	0.503316	0.410755	0.219246	0.934951	0.730585	0.909432	0.415731	0.622068	0.39151	1.840286	2.053933	2.120715	2.738794	2.875953	2.416453	2.135245	2.078458	2.419973
FAM230C	ENSG00000279516	0.379555	1.057188	3.845824	0.00124	0.002731	-1.31491	0.882475	0.8079	0.756332	1.022291	0.730585	1.188496	0.670238	0.622068	0.925731	2.777267	2.841532	2.671369	3.066031	2.997596	3.186878	2.524879	2.392244	2.397196
AC007382.	ENSG00000279519	1.492528	0.555061	7.334771	9.86E-07	5.42E-06	5.851353	1.12723	1.374745	0.898566	2.143217	2.078331	2.164723	1.966276	1.945386	1.777424	0.669294	0.986408	0.499259	1.446877	1.428204	1.17005	1.177011	1.289746	0.93723
AC115618.	ENSG00000279528	0.44157	0.610224	2.137344	0.046977	0.070245	-4.33751	1.384302	1.883052	1.54317	2.143217	1.864131	1.880533	2.102195	2.029503	2.165532	1.116489	0.986408	0.726056	1.054048	1.203912	0.957066	0.789161	0.871168	0.872651
AP006621.	ENSG00000279672	0.312032	0.074987	0.987033	0.337094	0.401039	-6.10477	0.587539	0.582935	0.106501	0.395333	0.625525	0.984419	0.886508	0.622068	0.515351	1.865926	2.115463	2.16783	2.193986	2.06228	1.947161	1.65509	1.766644	1.703111
AC092919.	ENSG00000279673	0.751518	-0.72106	3.408072	0.003243	0.006443	-2.02855	0.216396	0.106501	0.219246	0.258133	0.25478	0.3528	0.415731	0.106501	0.106501	1.814181	1.851833	1.653508	2.162115	2.433888	2.220059	1.85727	2.254246	2.003758
AC120114.	ENSG00000279789	-1.19093	0.525052	-4.09855	0.000712	0.001674	-0.45127	2.526909	2.403106	2.661582	1.393812	0.92021	1.575618	0.983587	0.915275	1.38134	1.239286	1.403073	1.126631	0.945898	1.032323	0.862212	0.884806	1.2488	1.058313
AC018629.	ENSG00000279806	-0.28932	3.286485	-1.5188	0.146694	0.192923	-6.12829	2.780548	2.534795	2.661582	3.083078	3.242978	3.459109	2.832807	2.220554	2.670735	4.087524	4.166964	4.100159	3.725018	3.436722	3.517722	4.466031	4.495561	4.641909
CU104787.	ENSG00000279973	0.64998	-0.80443	6.053165	1.15E-05	4.48E-05	3.360721	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.790717	2.674414	2.724859	3.422776	3.393046	3.116699	2.625227	2.465551	2.649309
AC078925.	ENSG00000280002	0.576159	-1.40066	3.081997	0.006595	0.012203	-2.38956	2.19231	2.37994	2.194417	2.864145	2.737798	2.885561	2.376953	2.451551	2.530983	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC012676.	ENSG00000280063	-0.27355	0.143136	-1.29009	0.213828	0.268449	-5.61623	1.069823	1.173893	1.406977	0.742604	1.373859	1.422231	1.074544	0.915275	0.925731	1.457372	1.529011	1.061592	1.154653	0.986036	1.129895	0.837776	0.975239	0.805046
GATD3B	ENSG00000280071	0.654076	0.261647	2.991104	0.008024	0.014498	-2.68708	1.519087	1.883052	1.78216	2.021307	2.155834	1.993763	1.648695	1.231675	1.445026	0.781331	0.640699	0.499259	1.088368	0.938214	0.957066	0.738851	0.871168	0.409347
AL353763.	ENSG00000280077	-0.08575	0.764359	-0.35389	0.727654	0.771876	-6.45228	1.384302	2.09705	1.667608	1.326771	1.718467	1.250575	1.240874	1.710758	1.826075	1.586365	1.335727	1.188864	1.392977	1.282615	1.775589	1.058946	1.024588	1.546329
AC126474.	ENSG00000280088	0.191517	1.470556	1.077028	0.29611	0.357717	-6.03108	2.526909	2.576149	2.194417	2.791417	2.660129	2.675323	2.058296	2.324112	2.239236	1.52331	1.300837	1.49011	1.392977	1.793303	1.209118	1.354562	1.581179	1.703111
PLAC4	ENSG00000280109	-0.02888	0.878153	-0.0899	0.929388	0.942356	-6.32356	6.150496	6.063513	6.200371	6.216001	5.919145	6.176461	8.127579	8.060666	8.24267	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC073857.	ENSG00000280120	0.285946	-0.45977	0.759206	0.457847	0.521459	-5.87537	1.336422	1.327092	1.62731	2.291228	1.909591	1.993763	2.144798	1.901414	1.918715	0.483018	0.398185	0.288049	0.171976	0.190544	0.263213	0.576451	0.504542	0.409347
NA	ENSG00000280123	-1.0939	0.400381	-5.83432	1.78E-05	6.54E-05	3.114106	2.051128	2.009193	2.138168	1.578054	1.373859	1.310092	1.762502	1.901414	2.087859	0.934589	1.228418	1.277453	0.5125	0.784432	0.533283	0.738851	0.816175	0.805046
AL662795.	ENSG00000280128	0.743274	2.580646	6.041003	1.17E-05	4.57E-05	3.156325	1.475543	1.81559	1.744977	2.577385	2.299368	2.998412	2.480375	1.85606	1.674905	3.437834	3.647924	3.240362	4.033205	3.946112	3.962731	3.415594	3.37582	3.477085
CU638689.	ENSG00000280145	1.050913	-1.69631	3.314773	0.003976	0.007746	-1.90861	1.791852	1.631689	1.744977	2.740812	3.012388	2.557474	1.966276	1.901414	1.314712	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501
AC022413.	ENSG00000280161	-0.98762	-0.39185	-3.96601	0.000952	0.002168	-0.68227	0.882475	1.118985	0.756332	0.258133	0.25478	0.563119	0.782422	0.509405	0.629397	1.490718	1.228418	1.333627	1.018891	1.032323	1.046067	0.974502	1.513652	1.058313
AC104447.	ENSG00000280173	-0.11667	2.172364	-1.11546	0.279756	0.340561	-6.29206	2.461454	1.915637	2.300736	2.425456	2.229385	2.132113	2.303642	2.029503	2.202855	2.856146	2.841532	2.745712	2.67247	2.729118	2.528806	2.866919	2.711397	2.629903
AC022107.	ENSG00000280187	0.513006	2.180338	4.657868	0.00021	0.00057	0.267245	1.519087	1.708084	1.54317	1.393812	1.768674	1.623325	1.525136	1.809233	1.314712	3.134522	3.406729	3.48321	3.840269	3.940055	3.968435	3.171932	3.571152	3.291935
AC005831.	ENSG00000280202	-0.12315	1.096882	-0.63947	0.530811	0.592364	-6.4507	0.814199	1.277811	1.499186	1.519216	1.2379	1.575618	1.459147	1.658879	1.244857	2.320032	2.155072	1.839597	1.954519	1.681564	1.695314	2.173627	2.254246	2.14716
AC026401.	ENSG00000280206	-0.90431	1.807434	-4.84577	0.000141	0.000399	0.983811	2.884092	2.836538	2.446827	2.425456	2.117603	2.029614	2.01302	2.596487	2.588518	2.409929	2.355385	1.969371	1.498836	1.393161	1.423614	2.192442	2.030948	2.442395
GGT4P	ENSG00000280208	0.527187	0.123164	3.228252	0.004802	0.009172	-2.52704	0.216396	0.410755	0.219246	0.742604	0.389229	0.830331	0.269385	0.387194	0.256032	3.220032	2.453955	2.435052	2.822733	2.549802	2.689384	2.334732	2.33471	2.174206
AC093908.	ENSG00000280219	0.008199	-0.39951	0.035168	0.972344	0.977009	-6.79099	0.106501	0.106501	0.106501	0.395333	0.25478	0.2349	0.106501	0.253663	0.256032	2.763691	2.912585	2.569785	2.694919	2.23054	2.449456	2.878584	3.081525	3.107809
AC131212.	ENSG00000280287	-0.16049	0.587676	-0.90401	0.378283	0.4429	-6.29656	0.587539	0.582935	0.829201	0.258133	0.512209	0.746642	0.886508	0.824004	0.925731	2.47802	2.437987	2.34226	2.51737	2.127698	2.399663	2.464239	2.447571	2.174206
ERICD	ENSG00000280303	0.948204	-0.14664	2.879663	0.01019	0.017951	-2.90405	0.814199	1.173893	0.898566	1.457877	1.612488	0.746642	1.240874	0.622068	0.735084	0.834246	0.799097	0.499259	1.420179	1.16289	1.247156	1.099384	1.072305	0.497646
NA	ENSG00000280316	0.298105	1.179921	1.799154	0.089284	0.124722	-5.19413	1.286899	1.061904	1.406977	1.104644	1.164793	0.909432	1.160105	1.430416	1.777424	2.163418	2.23117	2.038602	2.579013	2.533802	2.544166	2.247458	2.169028	2.091498
AC000123.	ENSG00000280347	-0.38927	1.652946	-2.39977	0.027794	0.043932	-4.10928	2.707144	2.37994	2.600444	2.143217	1.768674	2.132113	2.058296	2.324112	2.274723	1.787595	2.267764	1.696985	1.878105	1.622273	1.923865	1.903678	1.878239	1.973284
AC127496.	ENSG00000280351	-0.26179	2.217106	-2.16479	0.044512	0.066939	-4.8063	2.27083	2.576149	2.018628	1.791994	1.909591	1.575618	2.144798	2.290412	1.918715	3.102524	3.096753	3.141546	3.116795	2.888589	3.064395	3.011667	2.868308	2.724423
AL132656.	ENSG00000280355	-0.31854	1.396646	-1.97046	0.064838	0.093869	-4.752	2.568952	2.258179	2.794903	2.359902	2.299368	2.532704	2.607661	2.702788	2.588518	1.388276	1.644832	1.439812	1.308151	1.16289	1.002253	1.354562	1.206659	1.546329
AC132872.	ENSG00000280407	-1.33051	0.794335	-5.11335	7.95E-05	0.000242	1.620826	0.882475	1.327092	1.028027	0.841981	1.164793	0.2349	1.525136	1.430416	1.727075	2.320032	2.531245	2.152295	1.365252	1.16289	1.456457	2.583072	2.354144	2.374055
AC096887.	ENSG00000280417	-1.21246	0.159637	-4.69451	0.000194	0.000532	0.83962	1.791852	1.327092	1.888281	1.022291	0.512209	1.250575	1.317361	1.231675	1.244857	1.239286	1.07167	1.158083	0.5125	0.784432	0.812339	1.320757	0.975239	1.222783
FP565260.	ENSG00000280433	0.336354	0.334861	1.503255	0.150627	0.197567	-5.33239	1.602421	1.374745	1.54317	1.256461	1.864131	1.575618	0.886508	1.430416	1.314712	0.7264	1.07167	0.921995	1.154653	0.986036	1.456457	0.837776	1.072305	0.999041
LINC01348	ENSG00000280587	0.567472	-0.78715	2.166656	0.044348	0.066721	-4.29528	0.503316	0.499412	0.219246	0.635873	0.389229	0.461789	0.548589	0.253663	0.106501	1.028404	1.228418	1.188864	1.420179	1.560439	1.51998	1.099384	1.16325	0.999041
AC245100.	ENSG00000280649	0.440908	0.066514	1.546859	0.139812	0.185035	-5.31281	0.503316	0.8079	0.964748	1.256461	1.307481	0.830331	1.074544	0.915275	0.515351	1.315703	1.07167	1.73919	1.573426	1.357245	1.550722	1.286141	0.637375	1.115245
CCDC163	ENSG00000280670	-0.24089	0.796079	-0.89517	0.382857	0.447521	-6.00115	2.27083	1.978677	2.109199	2.103714	2.549605	2.346268	2.667326	2.324112	2.560038	0.982259	1.029669	0.958181	0.610222	0.550009	0.470356	1.099384	1.478665	0.872651
LINC01232	ENSG00000280734	0.238435	1.682031	1.493119	0.153238	0.200586	-5.78998	2.165157	1.947501	1.62731	1.457877	1.373859	1.367251	1.525136	1.549165	1.50602	2.620402	2.485369	2.473063	2.95881	3.098942	3.010124	2.317694	2.354144	2.326628
PAGR1	ENSG00000280789	-0.38715	1.831917	-1.95552	0.066702	0.096246	-4.98578	2.416107	2.332462	2.248556	1.933905	2.85862	2.258349	1.966276	1.760835	2.005764	2.320032	2.500824	2.34226	1.973006	1.766169	1.947161	2.568742	2.618024	1.942153
LINC00294	ENSG00000280798	0.207688	2.323314	1.562359	0.136128	0.180829	-5.64678	3.249862	3.128277	3.162305	3.425084	3.188693	3.306732	2.806512	2.623806	2.846105	2.033684	2.115463	1.839597	2.300295	2.169719	2.161508	2.173627	2.190809	2.326628
GSEC	ENSG00000280832	0.249859	2.665831	1.593266	0.129023	0.172666	-5.82042	3.026682	3.128277	2.681399	2.457149	2.991399	2.825643	2.832807	2.255906	1.962896	2.843296	2.969234	2.87437	3.116795	3.436722	3.486261	3.123735	2.972579	3.065099
MATR3	ENSG00000280987	-0.29125	1.667521	-2.36578	0.029783	0.046733	-4.21574	2.526909	2.61635	2.37563	2.143217	2.03796	2.064596	2.144798	2.069791	1.918715	1.940223	2.23117	2.213454	2.079215	1.970168	2.121111	1.482378	1.737342	1.81044
LINC01395	ENSG00000281097	0.490265	-1.38516	3.489283	0.002714	0.005513	-1.83574	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	1.940223	1.945166	1.653508	2.178139	2.148862	2.294605	1.571317	2.030948	1.775544
LINC00997	ENSG00000281332	0.74214	2.935872	4.056455	0.000781	0.001819	-0.86184	3.530804	3.695626	3.93931	4.839889	4.551652	4.685302	4.420085	4.203129	4.420702	2.056133	2.267764	2.152295	2.25569	2.039797	2.18129	2.173627	1.737342	2.091498
SNHG4	ENSG00000281398	-0.01814	2.561324	-0.14286	0.888032	0.908246	-6.99779	2.90065	3.142112	2.99819	2.740812	2.787348	3.168853	2.303642	2.324112	2.798137	3.002038	3.086546	2.682227	3.066031	2.700737	3.053703	2.283004	2.601856	2.742606
BLACAT1	ENSG00000281406	-0.25818	-0.97078	-2.27727	0.0356	0.054811	-4.43075	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	0.106501	2.881509	2.946841	2.627101	2.51737	2.565626	2.449456	2.384669	2.518186	2.419973
NA	ENSG00000281508	-0.23044	0.252371	-0.55475	0.586096	0.643621	-6.09534	2.109269	2.232543	2.514675	1.840866	2.264801	2.5075	3.690999	3.605944	3.655245	0.781331	0.330605	0.449284	0.234608	0.484926	0.263213	0.63264	0.433238	0.214669
EBLN3P	ENSG00000281649	0.400749	6.188614	8.345324	1.66E-07	1.20E-06	7.001602	5.757007	5.83346	5.957896	6.344419	6.302412	6.4069	5.952856	5.967735	5.967373	6.245675	6.339598	6.315861	6.578959	6.631886	6.631735	6.102439	6.177154	6.252972
AP000851.	ENSG00000281655	-1.08513	0.583979	-5.96082	1.38E-05	5.26E-05	3.355847	3.100204	3.222448	3.176339	2.181668	1.953662	2.22781	2.545421	2.676938	2.697131	0.781331	0.799097	0.54756	0.46104	0.612281	0.470356	0.517985	0.504542	0.497646
AC106886.	ENSG00000282034	-0.12523	0.804783	-0.76333	0.455447	0.519314	-6.49226	1.286899	1.002471	1.358564	0.934951	0.828511	0.657796	0.415731	0.824004	0.629397	2.47802	2.453955	2.30059	2.579013	2.627242	2.141451	2.192442	2.124453	2.003758
LINC01002	ENSG00000282508	-0.1205	0.375192	-0.49397	0.62748	0.681293	-6.64697	0.882475	0.940485	0.964748	0.395333	0.92021	0.563119	0.106501	0.622068	0.515351	2.338465	2.714733	2.004401	2.209661	2.433888	2.433049	1.809319	2.054898	2.003758
FRG1CP	ENSG00000282826	-0.20195	4.359503	-1.92198	0.071065	0.101777	-5.66205	4.863535	4.677795	4.606117	4.072648	4.081169	4.138446	4.487843	4.651042	4.640652	4.451587	4.369954	4.314216	4.493192	4.476309	4.448272	4.311095	4.288934	4.38838
BISPR	ENSG00000282851	-0.13589	0.136823	-0.67755	0.506929	0.569011	-6.8093	0.318509	0.499412	0.106501	0.635873	0.389229	0.106501	0.106501	0.106501	0.256032	3.349712	3.532361	3.312021	3.303673	3.152313	3.225499	3.123735	3.317614	3.328509
AC004706.	ENSG00000282936	-0.1391	1.419057	-0.83941	0.412576	0.477594	-6.34659	1.602421	1.744817	1.744977	2.063099	1.498102	2.064596	1.762502	1.760835	1.674905	2.01088	2.320972	2.136592	1.897591	1.591687	2.161508	1.809319	2.169028	2.14716
FRG1EP	ENSG00000282995	0.235718	0.372315	0.81028	0.428674	0.493662	-6.06318	1.755904	1.915637	1.744977	1.256461	1.612488	1.475193	1.389995	1.809233	1.564539	0.483018	0.695454	0.921995	1.336984	0.986036	1.320349	0.789161	1.024588	0.872651
NA	ENSG00000283013	-0.07095	0.487149	-0.31253	0.758336	0.799007	-6.49134	1.475543	1.508929	1.358564	1.457877	1.087782	0.657796	0.782422	1.082132	0.925731	1.457372	1.467416	1.413989	1.524131	1.681564	1.801384	1.354562	1.547811	0.999041
FRG1GP	ENSG00000283023	-0.22746	1.670643	-1.0267	0.318562	0.381888	-6.27584	2.218961	2.125186	2.079636	1.104644	1.307481	1.188496	2.058296	2.147141	1.727075	2.574485	2.320972	2.447834	2.749557	2.770668	2.528806	2.115663	2.274787	2.174206
AC008038.	ENSG00000283041	-0.16144	2.892705	-1.09227	0.28954	0.350853	-6.43216	3.041689	2.982098	3.296854	3.342644	3.31232	3.051692	3.072345	3.351955	3.4839	3.496465	3.195032	2.93917	2.738794	2.888589	2.895043	2.568742	3.081525	2.778299
FRG1FP	ENSG00000283047	0.652596	-0.68544	4.054969	0.000783	0.001825	-0.59124	0.216396	0.410755	0.219246	0.258133	0.25478	0.2349	0.269385	0.253663	0.256032	1.490718	1.435603	1.585733	1.897591	2.148862	2.23906	1.571317	1.581179	1.58715
GTF2IP12	ENSG00000283050	-0.74521	2.272145	-6.83521	2.50E-06	1.21E-05	4.851751	2.833249	3.182839	3.013906	2.291228	2.078331	2.258349	1.816207	2.069791	2.239236	2.990428	3.023743	3.125724	2.51737	2.50126	2.559363	2.494877	2.429363	2.706008
AL137077.	ENSG00000283078	-0.16492	-0.7322	-0.58012	0.569236	0.628303	-6.24181	0.41387	0.215206	0.421314	0.258133	0.389229	0.106501	0.548589	0.387194	0.515351	1.52331	1.369793	1.333627	1.420179	1.357245	1.51998	1.482378	1.16325	1.461048
AC010642.	ENSG00000283103	0.219033	3.439317	2.419889	0.026677	0.042397	-4.61165	3.156438	3.209365	3.104764	3.020814	3.502343	3.152687	3.423261	3.122225	3.468658	3.87668	3.907656	3.81458	4.063713	4.230476	4.083285	3.871719	3.636099	3.707454

Supplementary table 7: TSGs significantly hypomethylated in UHRF1-depleted cells (siUHRF1) compared to control cells (siNeg).

Symbol	cpg_probe	logFC	AveExpr	t	P.Value	adj.P.Val	B	KK_11_siKI	KK_12_siKI	KK_13_siKI	KK_03_siKI	KK_04_siKI	KK_05_siKI	KK_09_siN	KK_10_siN	KK_01_siN	KK_02_siN	KK_14_siU	KK_15_siU	KK_16_siU	KK_06_siU	KK_07_siU	KK_08_siUHRF1_H358
AKT1	cg2147192	-0.27788	7.57278	-18.4881	3.29E-12	1.80E-09	18.30976	8.185456	8.197305	8.197573	8.198802	8.214748	8.215727	8.211403	8.196762	8.226767	8.222675	8.040572	8.046923	8.040654	8.004581	8.013565	8.010157
CUX1	cg1115970	-0.27447	7.698847	-25.3285	2.52E-14	2.90E-10	22.89094	8.309726	8.305784	8.301378	8.329608	8.297703	8.302894	8.293691	8.297777	8.280637	8.289678	8.095054	8.093671	8.106644	8.08632	8.108744	8.10915
FLCN	cg1389077	-0.2686	7.722529	-17.9973	4.96E-12	2.28E-09	17.92984	8.311934	8.313656	8.312865	8.304583	8.300119	8.281385	8.310658	8.331602	8.309399	8.316936	8.105751	8.139216	8.103132	8.141893	8.158482	8.126211
EPAS1	cg1751882	-0.2481	7.696098	-17.5455	7.31E-12	2.71E-09	17.54734	8.311874	8.295214	8.308788	8.294031	8.308695	8.285517	8.279403	8.292199	8.27901	8.271143	8.09985	8.103644	8.092393	8.093485	8.147235	8.11213
TRIM3	cg0350741	-0.24741	7.796037	-17.7656	6.04E-12	2.48E-09	17.74446	8.36905	8.375111	8.350826	8.34783	8.33827	8.372237	8.369422	8.362919	8.34987	8.355686	8.171241	8.174314	8.169585	8.174541	8.201242	8.21116
ZNF185	cg1670335	-0.23785	7.704932	-17.9	5.39E-12	2.38E-09	17.84514	8.297519	8.292856	8.327665	8.30841	8.294283	8.294713	8.299762	8.284953	8.285563	8.269587	8.096613	8.126426	8.105609	8.129363	8.129657	8.127935
STAT3	cg0220669	-0.23511	7.720347	-11.8508	2.51E-09	1.54E-07	11.72386	8.286073	8.282295	8.266232	8.312158	8.317615	8.28758	8.300939	8.302336	8.333122	8.294332	8.142843	8.152238	8.191418	8.120455	8.131842	8.117959
RND3	cg1585943	-0.23501	7.686006	-13.9432	2.32E-10	2.69E-08	14.12878	8.279821	8.292666	8.280252	8.287444	8.269702	8.278013	8.286398	8.293986	8.261224	8.258829	8.084826	8.083108	8.123958	8.113571	8.150773	8.114775
NCOA4	cg2256605	-0.23409	7.82724	-14.6397	1.12E-10	1.63E-08	14.84516	8.365787	8.393922	8.380692	8.348839	8.356634	8.390516	8.393915	8.385193	8.372648	8.374361	8.193325	8.196994	8.207463	8.219803	8.253076	8.212667
NEDD4L	cg0256507	-0.23276	7.706205	-21.784	2.63E-13	1.24E-09	20.73519	8.290065	8.299424	8.298435	8.287616	8.28541	8.271107	8.293718	8.296217	8.291432	8.288826	8.127942	8.116646	8.114629	8.138457	8.139932	8.141907
MFSD2A	cg2026838	-0.22859	7.74709	-21.4907	3.24E-13	1.24E-09	20.55122	8.319784	8.328388	8.312658	8.32145	8.311922	8.325543	8.324771	8.324427	8.306987	8.317814	8.152792	8.162966	8.143092	8.142947	8.172146	8.171084
PRDM11	cg1814298	-0.22672	7.758577	-18.751	2.65E-12	1.69E-09	18.54363	8.321108	8.334885	8.324348	8.338747	8.325573	8.307409	8.332645	8.340407	8.307874	8.329568	8.164309	8.167035	8.146514	8.182837	8.176328	8.167735
PKD1	cg0941149	-0.22561	7.693687	-16.6253	1.66E-11	4.14E-09	16.74663	8.269278	8.28992	8.295898	8.290209	8.27535	8.263598	8.294592	8.278547	8.285361	8.262121	8.107853	8.121315	8.111032	8.116814	8.147941	8.132584
STARD13	cg1724509	-0.22484	7.74339	-19.1737	1.88E-12	1.59E-09	18.86999	8.337935	8.319971	8.330989	8.31165	8.334474	8.318595	8.313977	8.318285	8.29176	8.313246	8.146704	8.142605	8.135495	8.154965	8.171691	8.156131
FABP3	cg0263689	-0.22171	7.800188	-16.7246	1.51E-11	4.00E-09	16.84109	8.367908	8.362542	8.370591	8.354149	8.341572	8.373874	8.358275	8.356395	8.36212	8.328947	8.192596	8.185174	8.171919	8.19515	8.218176	8.19886
MYH9	cg0746280	-0.22082	7.747229	-20.3822	7.35E-13	1.37E-09	19.77496	8.312212	8.318842	8.313943	8.320651	8.304261	8.314387	8.312459	8.320094	8.312855	8.330121	8.183267	8.157905	8.150368	8.146012	8.168524	8.1729
NFATC1	cg1590887	-0.21945	7.757109	-14.4246	1.40E-10	1.89E-08	14.6296	8.330621	8.351314	8.335055	8.328672	8.320531	8.303889	8.32895	8.327839	8.31003	8.317329	8.144336	8.148665	8.152335	8.184067	8.173204	8.19433
RAP1A	cg1372146	-0.21939	7.625383	-14.2931	1.61E-10	2.10E-08	14.49838	8.210586	8.225687	8.211247	8.233637	8.230536	8.191331	8.239744	8.212765	8.247239	8.256759	8.08764	8.109302	8.097585	8.074742	8.080156	8.078199
ZNF185	cg0791091	-0.21676	7.777434	-12.6022	1.03E-09	8.03E-08	12.62006	8.349941	8.341926	8.341649	8.3391	8.305642	8.321216	8.348135	8.341661	8.337752	8.333354	8.171045	8.179941	8.160363	8.177828	8.236314	8.192895
IGF2R	cg0674255	-0.21671	7.813394	-10.1899	2.14E-08	7.74E-07	9.51799	8.371928	8.355568	8.384489	8.33024	8.351226	8.394149	8.364268	8.378934	8.323685	8.384631	8.202549	8.20199	8.180348	8.200388	8.210422	8.252761
TRIM3	cg1316519	-0.21627	7.654224	-20.5166	6.64E-13	1.37E-09	19.84602	8.250358	8.237365	8.257227	8.261785	8.2652	8.258294	8.264368	8.247836	8.235769	8.240925	8.09684	8.100738	8.09775	8.093071	8.106436	8.091688
LRIG1	cg1782413	-0.21534	7.7959	-19.6309	1.31E-12	1.50E-09	19.23183	8.338791	8.349734	8.339923	8.326774	8.350542	8.358902	8.357045	8.369874	8.342997	8.347318	8.189337	8.200321	8.196905	8.196983	8.206166	8.215161
TCF7L2	cg1671468	-0.21474	7.825498	-13.1044	5.80E-10	5.41E-08	13.19275	8.372342	8.390029	8.381679	8.365739	8.374343	8.383864	8.385778	8.384827	8.333981	8.367262	8.201097	8.200608	8.190979	8.215858	8.251049	8.226119
CBFA2T3	cg0759936	-0.21455	7.708361	-18.9629	2.23E-12	1.59E-09	18.70157	8.276471	8.281191	8.289781	8.269819	8.282378	8.274809	8.304268	8.295894	8.277709	8.294255	8.15107	8.126561	8.123333	8.15568	8.149711	8.149816
CABLES1	cg1575785	-0.21445	7.692982	-11.0255	7.06E-09	3.26E-07	10.67794	8.248812	8.253598	8.258507	8.265833	8.286646	8.289722	8.268701	8.276809	8.290095	8.29551	8.141522	8.159244	8.162989	8.086508	8.131691	8.116281
ING5	cg1753003	-0.21374	7.589747	-16.7108	1.53E-11	4.00E-09	16.81673	8.215572	8.222806	8.207678	8.188898	8.202222	8.200492	8.200007	8.214798	8.195506	8.204608	8.038367	8.047525	8.049934	8.077764	8.065349	8.06872
RAB7A	cg1705134	-0.21237	7.730371	-14.7857	9.68E-11	1.53E-08	14.99956	8.316358	8.306667	8.319058	8.29221	8.307292	8.303049	8.321711	8.291792	8.283665	8.303114	8.142375	8.15053	8.122289	8.164586	8.177833	8.147821
NUMB	cg0736014	-0.21219	7.664916	-14.1891	1.79E-10	2.23E-08	14.38928	8.245058	8.280305	8.269647	8.258412	8.261516	8.238672	8.26249	8.259051	8.247223	8.251851	8.101512	8.104485	8.085908	8.104582	8.107484	8.144688
SOD2	cg2660043	-0.2117	7.720922	-12.0433	1.99E-09	1.32E-07	11.96051	8.290172	8.279882	8.285025	8.291035	8.282648	8.298159	8.295913	8.278578	8.349015	8.280216	8.154374	8.164831	8.175541	8.146224	8.134276	8.137219
SIRT2	cg2744234	-0.21116	7.660101	-18.9984	2.17E-12	1.59E-09	18.71946	8.27168	8.259511	8.266218	8.24866	8.239375	8.257696	8.239625	8.243233	8.25388	8.264778	8.100874	8.109236	8.093762	8.11401	8.10758	8.099571
WNT5A	cg0229847	-0.21088	7.686767	-11.9349	2.26E-09	1.45E-07	11.83467	8.254531	8.276001	8.269306	8.282753	8.302734	8.302829	8.264246	8.280156	8.263804	8.254744	8.163754	8.116408	8.110735	8.108413	8.119423	8.096048
PPP2R5C	cg0285534	-0.20964	7.670033	-11.3757	4.52E-09	2.33E-07	11.13657	8.259792	8.253885	8.262602	8.278539	8.268758	8.2677	8.248502	8.227306	8.290411	8.258372	8.12206	8.143856	8.126802	8.087786	8.09542	8.088248
CUX1	cg2056470	-0.20851	7.784799	-14.4421	1.38E-10	1.88E-08	14.64597	8.338676	8.34504	8.349348	8.338834	8.338119	8.385226	8.35234	8.331924	8.317887	8.340064	8.192989	8.189906	8.182137	8.16468	8.198924	8.196682
RASAL2	cg1030415	-0.20799	7.792252	-13.8963	2.44E-10	2.80E-08	14.07013	8.354782	8.348408	8.357172	8.357518	8.317512	8.347381	8.343956	8.352588	8.352376	8.331599	8.178176	8.203357	8.181528	8.186047	8.200461	8.233156
CTNNBIP1	cg0817525	-0.20749	7.69625	-19.5158	1.43E-12	1.50E-09	19.1222	8.265072	8.289288	8.272264	8.272835	8.273368	8.280232	8.284088	8.282334	8.262322	8.28515	8.130066	8.131398	8.12744	8.12737	8.131152	8.153836
AKT1	cg0653001	-0.20662	7.6702	-20.2168	8.33E-13	1.37E-09	19.63444	8.26322	8.26712	8.254964	8.262035	8.248736	8.256287	8.255976	8.266898	8.253979	8.258548	8.12307	8.10519	8.101378	8.126831	8.129291	8.106301
HIVEP3	cg2335262	-0.20626	7.596791	-18.0247	4.85E-12	2.28E-09	17.93644	8.206915	8.207235	8.19498	8.215855	8.209256	8.21825	8.206328	8.197224	8.210271	8.213876	8.081479	8.072548	8.07273	8.045768	8.055564	8.067471
TCF7L2	cg1997210	-0.20547	7.800671	-8.37247	3.09E-07	6.27E-06	6.783364	8.351545	8.387682	8.344048	8.385793	8.304923	8.346852	8.35079	8.373568	8.301214	8.374773	8.191737	8.198093	8.168649	8.21694	8.217285	8.22835
PEA15	cg2531212	-0.20438	7.672505	-7.69447	9.24E-07	1.44E-05	5.695448	8.280628	8.280549	8.266994	8.221971	8.240404	8.236902	8.276841	8.272653	8.232207	8.2707	8.071176	8.092254	8.104075	8.149554	8.12998	8.179176
VPS53	cg1043434	-0.20304	7.79945	-8.8117	1.57E-07	3.66E-06	7.482059	8.364248	8.375629	8.331961	8.350944	8.339728	8.360774	8.33346	8.330331	8.321769	8.403921	8.183747	8.195702	8.25007	8.200625	8.213733	8.171701
CUX1	cg1112097	-0.20214	7.774374	-11.1156	6.28E-09	3.00E-07	10.78014	8.342362	8.347494	8.312623	8.33645	8.284584	8.325739	8.321736	8.331526	8.317341	8.371467	8.207232	8.175982	8.181507	8.207045	8.19399	8.185279
PPP1R1B	cg0310442	-0.20205	7.721838	-13.3759	4.29E-10	4.28E-08	13.51003	8.303444	8.302927	8.298558	8.293481	8.284447	8.296211	8.30034	8.312202	8.287322	8.270351	8.123824	8.149479	8.130363	8.164347	8.181563	8.154687
CBFA2T3	cg0491087	-0.20051	7.854252	-17.1966	9.92E-12	3.17E-09	17.26044	8.402757	8.394447	8.376016	8.384236	8.388731	8.409962	8.37639	8.381997	8.386359	8.400394	8.254257	8.2359	8.257141	8.235298	8.242534	8.225714
FOXP1	cg0624181	-0.20039	7.769766	-19.1126	1.98E-12	1.59E-09	18.82902	8.310455	8.336138	8.335174	8.321148	8.3256	8.317697	8.332207	8.324549	8.320149	8.341904	8.188377	8.184162	8.182721	8.196963	8.19991	8.172887
RB1	cg1295482	-0.19948	7.851414	-10.4413	1.52E-08	5.97E-07	9.85942	8.399761	8.418126	8.379712	8.397775	8.408882	8.368382	8.346246	8.416163	8.376299	8.385186	8.253476	8.23346	8.21172	8.264856	8.243163	8.217617
RASAL2	cg2557364	-0.19908	7.76441	-13.008	6.46E-10	5.64E-08	13.09113	8.326046	8.336469	8.3159	8.311611	8.321598	8.305004	8.340423	8.334712	8.325404	8.303494	8.161287	8.173685	8.171515	8.222167	8.18914	8.19135
RAB7A	cg0019166	-0.19853	7.660095	-12.1384	1.77E-09	1.21E-07	12.08436	8.224672	8.2442	8.244123	8.240065	8.255216	8.261059	8.240428	8.246188	8.283401	8.239957	8.115822	8.129301	8.141494	8.094548	8.113367	8.093479
PAFAH1B1	cg1059540	-0.19794	7.777938	-16.9286	1.26E-11	3.91E-09	17.02129	8.332551	8.341916	8.346357	8.327844	8.331706	8.333616	8.327894	8.335326	8.324834	8.336847	8.178292	8.17747	8.199553	8.221071	8.190688	8.17701
NDRG4	cg2289816	-0.19732	7.783259	-13.6036	3.34E-10	3.59E-08	13.75423	8.336537	8.345703	8.339764	8.330595	8.356943	8.32649	8.345136	8.351907	8.332793	8.309756	8.176673	8.190141	8.182256	8.227945	8.19475	8.195851
IRF1	cg1166636	-0.1973	7.420133	-5.85343	2.46E-05	0.000202	2.377763	8.106639	8.118659	8.11537	8.064606	8.05182	8.061929	8.107329	8.101348	8.063706	8.069006	7.912216	7.934635	7.894381	8.000201	7.990137	8.003719
CD82	cg0119932	-0.19726	7.879323	-11.9236	2.30E-09	1.46E-07	11.78564	8.415643	8.38552	8.411456	8.392841	8.412328	8.444806	8.439473	8.385568	8.406392	8.382665	8.263278	8.257862	8.261698	8.263193	8.268369	8.24931
RB1	cg1741929	-0.19686	7.799988	-17.5026	7.59E-12	2.72E-09	17.52137	8.353662	8.352615	8.348016	8.355167	8.349861	8.346221	8.350141	8.356835	8.318698	8.362159	8.201889	8.199432	8.202037	8.202127	8.211135	8.222414
VPS53	cg2620327	-0.19677	7.892199	-19.5717	1.37E-12	1.50E-09	19.20304	8.423703	8.417558	8.41088	8.410863	8.418872	8.432581	8.405515	8.425154	8.415892	8.405863	8.264442	8.289383	8.257436	8.267932	8.268027	8.274368
MTUS1	cg0350805	-0.19668	7.72108	-9.66005	4.49E-08	1.39E-06	8.784866	8.271904	8.270616	8.295413	8.324466	8.324864	8.300069	8.30246	8.294987	8.252789	8.304252	8.150459	8.15974	8.180204	8.151432	8.144994	8.116871
EGR2	cg2756776	-0.19543	7.831258	-11.053	6.81E-09	3.15E-07	10.68525	8.389138	8.357569	8.358938	8.377481	8.342918	8.347016	8.381959	8.38934	8.387626	8.344088	8.217017	8.221824	8.223648	8.277464	8.234826	8.236472
TSPAN32	cg1762755	-0.19538	7.551924	-15.6131	4.28E-11	8.33E-09	15.80829	8.178933	8.18524	8.181517	8.160141	8.187	8.166532	8.171948	8.187346	8.164959	8.16549	8.034828	8.033197	8.018739	8.054679	8.045937	8.053062
HBP1	cg2329399	-0.19501	7.794128	-14.839	9.18E-11	1.48E-08	15.05022	8.333606	8.322355	8.354252	8.355478	8.353938	8.345861	8.355057	8.34314	8.335867	8.33957	8.205853	8.216495	8.202614	8.217344	8.211623	8.17258
CBFA2T3	cg0379766	-0.19418	7.73441	-18.6855	2.79E-12	1.69E-09	18.48673	8.300919	8.305024	8.30892	8.297207	8.303286	8.298678	8.310942	8.2988	8.300998	8.289	8.152666	8.157446	8.158828	8.170803	8.153333	8.185941
DAB2IP	cg1412259	-0.19399	7.617253	-14.7287	1.03E-10	1.57E-08	14.94418	8.219891	8.223333	8.23832	8.204309	8.208916	8.211364	8.230096	8.219425	8.219977	8.207033	8.071895	8.069644	8.072417	8.09885	8.100812	8.100786
SH2B3	cg0000497	-0.19265	7.895148	-14.4136	1.42E-10	1.89E-08	14.60565	8.418381	8.427521	8.419717	8.408599	8.41567	8.394937	8.417119	8.424235	8.43983	8.389874	8.266823	8.265894	8.268238	8.282632	8.285297	8.296774
THBS1	cg2501293	-0.19213	7.689545	-17.6492	6.68E-12	2.56E-09	17.63393	8.269274	8.260596	8.273885	8.281314	8.263672	8.273829	8.276421	8.260692	8.247291	8.285562	8.134474	8.139588	8.130709	8.12538	8.137284	8.132718
FOXO4	cg2276879	-0.19129	7.687804	-11.5923	3.45E-09	1.93E-07	11.40797	8.270221	8.273044	8.269686	8.261137	8.249325	8.239312	8.272676	8.259875	8.298882	8.253384	8.130256	8.140122	8.118532	8.125077	8.175961	8.135109
ST7	cg2119022	-0.19118	7.766268	-18.0701	4.66E-12	2.28E-09	17.99337	8.313464	8.348139	8.329306	8.332397	8.331766	8.336695	8.315189	8.322633	8.321755	8.309201	8.170645	8.191435	8.184673	8.17468	8.175728	8.1938
ZFHX3	cg1787757	-0.18968	7.70243	-16.8156	1.39E-11	3.93E-09	16.91643	8.274821	8.27499	8.267639	8.281063	8.280705	8.268519	8.295189	8.281758	8.270076	8.266763	8.136123	8.140008	8.146566	8.132066	8.167978	8.150729
MCC	cg0294295	-0.18963	7.877056	-11.2675	5.18E-09	2.62E-07	10.9559	8.415747	8.392003	8.392569	8.3776	8.392321	8.450987	8.411332	8.412635	8.378331	8.404243	8.268061	8.261896	8.251697	8.256374	8.277629	8.269669
LIMD1	cg0719713	-0.18915	7.527276	-10.4633	1.48E-08	5.84E-07	9.947396	8.186609	8.16739	8.158292	8.139972	8.136744	8.146857	8.155004	8.168736	8.147099	8.150687	8.001335	8.01631	8.004801	8.055388	8.050129	8.039182
ZHX2	cg0152376	-0.18855	7.652235	-16.7921	1.42E-11	3.93E-09	16.892	8.260147	8.256381	8.234293	8.249356	8.233522	8.249479	8.241849	8.233064	8.227456	8.249962	8.10423	8.102597	8.106205	8.105557	8.100111	8.126577
PRDM11	cg1354516	-0.18823	7.725874	-12.016	2.05E-09	1.36E-07	11.92762	8.299688	8.287724	8.302255	8.291421	8.287904	8.286228	8.307947	8.306496	8.299192	8.260951	8.146536	8.142422	8.151779	8.163445	8.164072	8.198721
UVRAG	cg2654141	-0.18798	7.797745	-16.6713	1.59E-11	4.06E-09	16.79321	8.350538	8.336638	8.351784	8.35226	8.342985	8.336323	8.343687	8.358793	8.329054	8.344586	8.210638	8.195325	8.203796	8.218003	8.19926	8.232147
SCGB3A1	cg1545761	-0.18709	7.624525	-15.4337	5.09E-11	9.43E-09	15.63833	8.230574	8.230428	8.248228	8.232486	8.224969	8.234193	8.213352	8.197479	8.23077	8.217923	8.094699	8.099575	8.074533	8.066852	8.091081	8.0906
ST7	cg1900717	-0.18662	7.759581	-13.0398	6.23E-10	5.64E-08	13.1286	8.321816	8.330366	8.333082	8.318151	8.316029	8.288865	8.325922	8.312633	8.300974	8.324347	8.161795	8.178986	8.168602	8.192575	8.205713	8.194935
GSN	cg2474933	-0.1866	7.675921	-14.5293	1.26E-10	1.78E-08	14.74095	8.282752	8.248993	8.264654	8.268369	8.248808	8.258726	8.266406	8.250058	8.263208	8.23984	8.115204	8.11794	8.122898	8.120525	8.122819	8.150569
MADD	cg0339344	-0.18646	7.651971	-18.5239	3.19E-12	1.80E-09	18.34508	8.248767	8.247152	8.252793	8.254217	8.242243	8.2339	8.246231	8.229517	8.231514	8.242011	8.112718	8.104081	8.095727	8.100522	8.114779	8.121413
GNMT	cg1133617	-0.18606	7.4769	-16.783	1.44E-11	3.93E-09	16.87299	8.114309	8.122719	8.143317	8.136927	8.121867	8.11583	8.120854	8.117274	8.111466	8.121376	7.978319	7.996029	7.999137	7.994133	7.990464	8.004432
FOXO4	cg1740049	-0.18534	7.758346	-20.6764	5.89E-13	1.37E-09	19.98761	8.321281	8.318956	8.31222	8.312099	8.320282	8.306687	8.316715	8.302819	8.324094	8.319034	8.183392	8.182523	8.192802	8.183348	8.174942	8.189044
RPS6KA2	cg0908934	-0.18441	7.727603	-11.6985	3.02E-09	1.78E-07	11.53587	8.303328	8.310211	8.299923	8.326796	8.279631	8.272787	8.290269	8.303578	8.281033	8.285979	8.143931	8.149207	8.15431	8.160525	8.161662	8.193381
PTCH1	cg1576804	-0.18441	7.858097	-17.343	8.72E-12	2.95E-09	17.38786	8.376655	8.391026	8.392498	8.388511	8.396999	8.391757	8.381717	8.392852	8.381232	8.386518	8.250235	8.270923	8.241848	8.25661	8.265079	8.229891
RUNX3	cg2401956	-0.18387	7.58286	-16.0121	2.93E-11	6.59E-09	16.18305	8.193549	8.212596	8.210601	8.195102	8.196487	8.199863	8.192183	8.193742	8.175115	8.185938	8.054983	8.0431	8.059841	8.080395	8.074344	8.055485
CAT	cg0073496	-0.18383	7.698876	-15.7618	3.71E-11	7.70E-09	15.95237	8.275631	8.276659	8.291651	8.290831	8.279746	8.286681	8.269053	8.270539	8.27727	8.249678	8.13553	8.139828	8.137685	8.11504	8.157088	8.143913
TSSC4	cg1705246	-0.18356	7.76713	-12.9664	6.77E-10	5.80E-08	13.04376	8.323636	8.322824	8.340252	8.327714	8.293727	8.310206	8.304598	8.32858	8.334791	8.321141	8.185422	8.193865	8.178003	8.186618	8.221989	8.185758
ZFHX3	cg0618553	-0.18274	7.810055	-17.2318	9.62E-12	3.16E-09	17.28883	8.351811	8.357535	8.355046	8.345421	8.356094	8.349113	8.351988	8.343498	8.366466	8.344022	8.230683	8.232317	8.199644	8.222997	8.209438	8.229012
SH2B3	cg2676111	-0.18262	7.718444	-13.5113	3.69E-10	3.76E-08	13.66012	8.295178	8.293476	8.296813	8.297261	8.265504	8.31396	8.297402	8.267585	8.296863	8.266734	8.140631	8.164607	8.150828	8.153256	8.159991	8.154076
CUX1	cg2563550	-0.18253	7.717087	-15.8942	3.27E-11	7.09E-09	16.07756	8.285442	8.295819	8.28972	8.281436	8.277937	8.282173	8.291692	8.284314	8.287692	8.278255	8.14707	8.154909	8.148279	8.142488	8.164393	8.186255
CUX1	cg2164736	-0.18252	7.765491	-7.95742	6.00E-07	1.06E-05	6.111081	8.324454	8.297595	8.332131	8.281348	8.361438	8.2783	8.318223	8.297707	8.326654	8.354962	8.19561	8.213847	8.193405	8.188448	8.216473	8.160178
KL	cg0988694	-0.18229	7.809436	-13.6599	3.14E-10	3.44E-08	13.81289	8.36028	8.361549	8.352436	8.335442	8.380536	8.335968	8.35448	8.356587	8.342138	8.344702	8.20106	8.203736	8.227361	8.235349	8.228083	8.218763
MYH9	cg0954454	-0.18074	7.716927	-16.0423	2.84E-11	6.53E-09	16.21567	8.287912	8.308332	8.299994	8.287475	8.29485	8.289235	8.284446	8.266043	8.270656	8.295056	8.148342	8.163882	8.138553	8.150684	8.145531	8.166315
EPAS1	cg1703554	-0.1804	7.79577	-12.5169	1.13E-09	8.60E-08	12.51841	8.349714	8.345877	8.365954	8.353877	8.341081	8.340066	8.349055	8.331625	8.306	8.357059	8.20365	8.18714	8.206629	8.225314	8.196154	8.22477
FOXO3	cg2680273	-0.18026	7.591221	-12.8146	8.05E-10	6.56E-08	12.8863	8.221319	8.205358	8.204826	8.187765	8.195555	8.17499	8.192205	8.203364	8.199442	8.1902	8.062563	8.055162	8.058425	8.086141	8.08975	8.085534
PAFAH1B1	cg0323460	-0.17999	7.869096	-11.5893	3.46E-09	1.93E-07	11.36919	8.392247	8.38723	8.395626	8.420208	8.345389	8.399177	8.395088	8.393573	8.404847	8.391491	8.264151	8.268023	8.264811	8.252333	8.258257	8.287416
ADARB1	cg1577009	-0.17954	7.618923	-18.3257	3.76E-12	1.96E-09	18.18295	8.213206	8.20542	8.217085	8.225471	8.216643	8.221571	8.22707	8.217685	8.204153	8.213615	8.094987	8.086684	8.09418	8.079513	8.094998	8.101536
ILK	cg0251871	-0.17945	7.773345	-15.1278	6.88E-11	1.18E-08	15.33936	8.326208	8.326967	8.333267	8.317887	8.304459	8.324421	8.3278	8.322482	8.312159	8.342025	8.17683	8.204174	8.194291	8.194119	8.21595	8.205542
BMPR2	cg2191119	-0.17898	7.805406	-16.8166	1.39E-11	3.93E-09	16.92338	8.345948	8.356629	8.348135	8.334733	8.360459	8.351946	8.356344	8.336498	8.33617	8.355916	8.233581	8.201185	8.217679	8.216985	8.222542	8.217308
MTSS1	cg1427975	-0.17895	7.831849	-19.2247	1.81E-12	1.59E-09	18.92623	8.36635	8.363846	8.367136	8.362294	8.365913	8.372911	8.371575	8.36653	8.368674	8.359855	8.25701	8.219432	8.23446	8.233404	8.243146	8.240361
FOXP1	cg1787257	-0.17813	7.471659	-5.34919	6.55E-05	0.000444	1.372634	8.124277	8.140032	8.137155	8.073932	8.082449	8.083256	8.150105	8.128094	8.098763	8.104907	7.946105	7.972505	7.963064	8.067467	8.021327	8.03983
CUX1	cg1615113	-0.17791	7.88918	-19.8447	1.11E-12	1.50E-09	19.40987	8.412747	8.418146	8.400636	8.403014	8.392532	8.417574	8.407583	8.404203	8.411762	8.409542	8.275708	8.282596	8.273543	8.271969	8.289381	8.280219
VPS53	cg0307891	-0.17695	7.815081	-10.394	1.62E-08	6.28E-07	9.800491	8.345623	8.339925	8.353889	8.324452	8.36273	8.31265	8.358276	8.343802	8.383109	8.364545	8.236148	8.255137	8.21822	8.266822	8.218411	8.216939
ERBB4	cg0661674	-0.17638	7.783666	-13.5516	3.54E-10	3.73E-08	13.69719	8.342821	8.313959	8.326579	8.330875	8.342256	8.333698	8.310099	8.34308	8.3259	8.344632	8.204084	8.217067	8.216941	8.180875	8.212044	8.200456
TSSC4	cg0248569	-0.17599	7.66924	-14.7829	9.71E-11	1.53E-08	14.99831	8.270113	8.253579	8.261607	8.247268	8.247463	8.256717	8.252834	8.230028	8.261977	8.241119	8.108913	8.134668	8.119903	8.141505	8.118619	8.12071
CDKN1A	cg0794218	-0.17525	7.804819	-12.8642	7.60E-10	6.26E-08	12.92061	8.337305	8.327646	8.341092	8.365485	8.3487	8.307732	8.357777	8.354364	8.34898	8.342707	8.238774	8.215168	8.22013	8.212023	8.239846	8.226349
SYK	cg0512836	-0.17509	7.770337	-11.234	5.40E-09	2.70E-07	10.93643	8.336773	8.339102	8.323713	8.320058	8.320292	8.292764	8.316747	8.328193	8.312916	8.325639	8.184744	8.18867	8.176022	8.211957	8.233309	8.184005
ITGA5	cg1503936	-0.17476	7.723668	-11.2502	5.29E-09	2.67E-07	10.96764	8.300434	8.2968	8.29932	8.277495	8.308602	8.290419	8.308808	8.292117	8.268893	8.264748	8.14316	8.145648	8.146525	8.165859	8.171214	8.191863
PTCH1	cg0278996	-0.17463	7.749958	-13.1299	5.63E-10	5.30E-08	13.23204	8.326058	8.308585	8.305994	8.302294	8.303947	8.307677	8.303682	8.326768	8.285723	8.30483	8.163018	8.162188	8.183826	8.18551	8.203397	8.191997
CTDSPL	cg0008571	-0.1738	7.719084	-10.7793	9.72E-09	4.14E-07	10.34973	8.295689	8.300035	8.307279	8.27388	8.277889	8.299261	8.288429	8.287713	8.24893	8.294765	8.14646	8.148548	8.131526	8.161985	8.178532	8.179782
NEDD4L	cg0195016	-0.17351	7.847783	-17.8006	5.87E-12	2.48E-09	17.77747	8.379471	8.399472	8.374092	8.383738	8.373423	8.388866	8.369045	8.374607	8.362743	8.384415	8.238947	8.258677	8.243189	8.243836	8.248508	8.252492
SMARCA2	cg0891169	-0.17334	7.642256	-8.26714	3.65E-07	7.12E-06	6.655257	8.247995	8.212892	8.262169	8.233671	8.216137	8.206629	8.25653	8.232258	8.205784	8.229568	8.092805	8.105988	8.069893	8.132024	8.127615	8.137581
VPS53	cg0939632	-0.17299	7.780243	-9.44967	6.08E-08	1.76E-06	8.460685	8.324728	8.347421	8.346735	8.322597	8.344138	8.326624	8.318761	8.349125	8.297702	8.327916	8.187666	8.19519	8.181167	8.181124	8.252577	8.204251
NOTCH1	cg2715423	-0.17291	7.716705	-18.8941	2.36E-12	1.59E-09	18.64853	8.272616	8.281559	8.275044	8.279677	8.27516	8.2747	8.290783	8.290031	8.288381	8.276238	8.154715	8.161202	8.169323	8.152775	8.176118	8.173525
PRDM11	cg2273163	-0.17276	7.812824	-13.5142	3.68E-10	3.76E-08	13.65322	8.375537	8.347684	8.365179	8.364448	8.344682	8.3527	8.357183	8.346713	8.330056	8.353502	8.207988	8.232389	8.203097	8.243752	8.232196	8.219504
PLEKHO1	cg1069275	-0.17262	7.71066	-10.7306	1.04E-08	4.35E-07	10.28542	8.278366	8.28471	8.27493	8.262117	8.290726	8.292466	8.303201	8.279915	8.263542	8.261311	8.157667	8.165256	8.116149	8.16136	8.155885	8.178321
LEFTY2	cg0797752	-0.17221	7.573435	-12.9519	6.88E-10	5.86E-08	13.04426	8.173637	8.194722	8.173596	8.200783	8.182245	8.181979	8.173889	8.174387	8.198976	8.179641	8.073786	8.075012	8.070235	8.063157	8.068066	8.035029
PEA15	cg1467259	-0.17148	7.700834	-15.6389	4.17E-11	8.27E-09	15.83595	8.270107	8.280194	8.280785	8.263822	8.262215	8.276719	8.269091	8.26086	8.285982	8.265442	8.14352	8.150728	8.1518	8.135688	8.150069	8.168929
RHOBTB2	cg0720085	-0.1708	7.811621	-14.7143	1.04E-10	1.57E-08	14.92294	8.356232	8.337361	8.352108	8.337226	8.346706	8.341069	8.368135	8.355595	8.335887	8.350692	8.229479	8.219134	8.210043	8.247121	8.230774	8.243667
ZHX2	cg1665604	-0.17034	7.580502	-14.1871	1.79E-10	2.23E-08	14.38925	8.180994	8.183303	8.181678	8.176292	8.189854	8.196765	8.182185	8.183876	8.203056	8.184905	8.070233	8.0686	8.095922	8.072591	8.051457	8.073127
PER2	cg2146297	-0.17028	7.846781	-17.7072	6.36E-12	2.52E-09	17.69867	8.38175	8.374827	8.378533	8.3889	8.373437	8.375845	8.375723	8.370475	8.381817	8.362821	8.257887	8.252755	8.240213	8.240924	8.240682	8.266816
DOK1	cg2041200	-0.17012	7.628991	-11.6659	3.15E-09	1.83E-07	11.50748	8.224967	8.216673	8.225846	8.237672	8.214975	8.204499	8.227047	8.232716	8.197641	8.224118	8.095829	8.116361	8.071402	8.120393	8.111799	8.101359
USP33	cg2208245	-0.17006	7.851706	-13.2712	4.81E-10	4.65E-08	13.37798	8.389591	8.391137	8.384637	8.375606	8.389083	8.389256	8.389459	8.37638	8.385466	8.343786	8.233619	8.256228	8.237066	8.259245	8.269918	8.250057
CUX1	cg0610493	-0.17005	7.849993	-12.0785	1.90E-09	1.27E-07	11.98256	8.382875	8.385923	8.386768	8.400709	8.361954	8.378793	8.373449	8.37585	8.353078	8.393582	8.261649	8.230362	8.252643	8.232928	8.276063	8.25403
IRF5	cg2387301	-0.16976	7.690156	-14.1751	1.82E-10	2.23E-08	14.37376	8.279865	8.266007	8.264754	8.265833	8.247833	8.261928	8.266131	8.253865	8.272067	8.257404	8.145084	8.142121	8.128416	8.126764	8.160163	8.159034
NUPR1	cg2528819	-0.16951	7.626331	-15.7497	3.75E-11	7.70E-09	15.93948	8.225438	8.223075	8.204029	8.207728	8.212604	8.204552	8.229731	8.202247	8.224563	8.23105	8.100545	8.110409	8.1003	8.098603	8.112317	8.105969

MYH9	cg0103821	-0.16938	7.601179	-14.1693	1.83E-10	2.23E-08	14.37022	8.193827	8.204599	8.195947	8.173637	8.197483	8.201749	8.207248	8.199301	8.221987	8.191666	8.085405	8.092228	8.0786	8.079507	8.106328	8.089167
ADARB1	cg0894659	-0.16864	7.852278	-11.809	2.64E-09	1.60E-07	11.6492	8.379699	8.378636	8.37562	8.396882	8.371345	8.362017	8.396096	8.380701	8.385693	8.354736	8.24261	8.252391	8.255823	8.239206	8.266001	8.288503
LRIG1	cg0050369	-0.16809	7.850578	-14.6898	1.07E-10	1.57E-08	14.89524	8.379791	8.39444	8.381608	8.367168	8.36123	8.371427	8.379723	8.379893	8.381955	8.370148	8.234817	8.25364	8.246189	8.264541	8.273163	8.266463
VPS53	cg2464739	-0.16778	7.733413	-5.4879	4.99E-05	0.000353	1.590987	8.305137	8.320845	8.32551	8.278166	8.29304	8.244877	8.315033	8.302189	8.2563	8.295999	8.132946	8.137092	8.143004	8.230359	8.168922	8.231973
NFATC1	cg2533226	-0.16746	7.454839	-6.49789	7.40E-06	7.55E-05	3.601491	8.100312	8.112795	8.117919	8.049266	8.092581	8.064376	8.128415	8.108961	8.111169	8.085625	7.958189	7.971595	7.972938	8.031541	8.03435	8.013249
STARD13	cg1523462	-0.16744	7.821571	-13.0586	6.10E-10	5.61E-08	13.14146	8.357463	8.348199	8.351142	8.372179	8.358257	8.348537	8.348643	8.377678	8.368499	8.329616	8.23959	8.241635	8.22304	8.231942	8.22788	8.250523
NR2C2	cg1660029	-0.16713	7.825108	-12.3724	1.34E-09	9.83E-08	12.34136	8.365506	8.364346	8.370923	8.361325	8.343279	8.344493	8.362562	8.360014	8.337307	8.374655	8.241532	8.207258	8.232717	8.247554	8.250342	8.251326
FOXP1	cg2439507	-0.16694	7.784878	-13.3342	4.49E-10	4.41E-08	13.4572	8.314968	8.338561	8.344864	8.35837	8.330544	8.335876	8.313008	8.326059	8.330192	8.330573	8.212699	8.217679	8.21351	8.18247	8.208811	8.200913
NR4A1	cg2056086	-0.16608	7.486098	-7.35696	1.63E-06	2.27E-05	5.148682	8.120136	8.11138	8.110725	8.140459	8.148971	8.155889	8.099496	8.105992	8.132087	8.128002	8.035818	8.03738	8.024855	7.973592	7.973636	7.987257
UVRAG	cg0862705	-0.16527	7.808234	-15.3946	5.29E-11	9.64E-09	15.59997	8.349906	8.360604	8.349038	8.351362	8.341834	8.343573	8.356037	8.347161	8.332251	8.339439	8.22737	8.203814	8.21532	8.232707	8.230915	8.241788
ZHX2	cg2409593	-0.16519	7.847653	-15.2127	6.32E-11	1.12E-08	15.42027	8.382302	8.396816	8.382585	8.378144	8.37598	8.370774	8.375286	8.373193	8.36042	8.371823	8.228253	8.25395	8.241439	8.258989	8.254856	8.268561
DAB2IP	cg0425582	-0.16484	7.624524	-13.3421	4.45E-10	4.41E-08	13.47909	8.215975	8.223066	8.207921	8.197597	8.20778	8.205916	8.218576	8.219337	8.224454	8.21704	8.090218	8.110992	8.098606	8.091232	8.135945	8.108369
SH2B3	cg2418260	-0.16456	6.873284	-6.00906	1.83E-05	0.00016	2.567705	7.682328	7.739087	7.708964	7.743589	7.749264	7.719002	7.773446	7.743716	7.763061	7.718673	7.669087	7.692269	7.626966	7.651781	7.662547	7.627649
DDR2	cg0025370	-0.164	7.827974	-12.102	1.85E-09	1.24E-07	12.01622	8.383137	8.367344	8.378144	8.388969	8.352392	8.3596	8.369631	8.355557	8.344789	8.340551	8.212309	8.236433	8.218634	8.251598	8.246087	8.243925
WDR48	cg0900326	-0.16375	7.742684	-11.1888	5.72E-09	2.83E-07	10.88557	8.307803	8.31122	8.317755	8.318146	8.343286	8.294302	8.281252	8.271857	8.302736	8.298557	8.180182	8.18897	8.185828	8.151157	8.164568	8.167445
FOXP1	cg2258972	-0.16316	7.603576	-15.2063	6.36E-11	1.12E-08	15.41782	8.203295	8.195411	8.20041	8.180754	8.183194	8.190858	8.196152	8.213687	8.203914	8.212015	8.091441	8.075318	8.097538	8.105346	8.103021	8.091558
SPOP	cg1548566	-0.16312	7.684343	-9.25294	8.10E-08	2.16E-06	8.186692	8.231723	8.251381	8.241889	8.237225	8.1988	8.242838	8.237658	8.264613	8.290927	8.2926	8.163341	8.144615	8.180328	8.139582	8.161195	8.151825
TSC1	cg1432257	-0.16295	7.80956	-14.6986	1.06E-10	1.57E-08	14.90753	8.355081	8.354098	8.360475	8.365521	8.332909	8.346456	8.342914	8.342832	8.344158	8.339786	8.215904	8.222601	8.224602	8.212355	8.250167	8.228498
VPS53	cg1884525	-0.16283	7.745657	-12.6313	9.93E-10	7.82E-08	12.66022	8.313848	8.306578	8.319077	8.289842	8.307628	8.29393	8.273346	8.30903	8.307104	8.301325	8.163959	8.181535	8.189099	8.179889	8.17933	8.200894
TSPAN32	cg0161268	-0.16268	7.655934	-6.90988	3.54E-06	4.25E-05	4.324303	8.250749	8.225609	8.255645	8.197895	8.27108	8.305185	8.224791	8.253545	8.197738	8.24091	8.125791	8.103357	8.12045	8.10615	8.118304	8.124012
HACE1	cg0209841	-0.16212	7.699132	-15.4837	4.85E-11	9.13E-09	15.68734	8.270786	8.256519	8.272616	8.262661	8.267078	8.266851	8.255261	8.274837	8.283412	8.259347	8.149403	8.166071	8.152834	8.162717	8.141216	8.154249
PCDHGC3	cg2560047	-0.16204	7.76447	-8.70738	1.84E-07	4.13E-06	7.327951	8.328784	8.327979	8.296825	8.293064	8.285727	8.295419	8.322987	8.333571	8.29443	8.325491	8.178133	8.199115	8.171942	8.213558	8.223304	8.236562
CUX1	cg0254832	-0.16203	7.85836	-15.9067	3.23E-11	7.09E-09	16.08935	8.385387	8.385225	8.379035	8.374198	8.386765	8.377189	8.38319	8.383434	8.384174	8.373599	8.258062	8.262647	8.259888	8.29315	8.253503	8.255605
NR2C2	cg1944041	-0.16171	7.783872	-15.1237	6.90E-11	1.18E-08	15.33533	8.330316	8.332983	8.32472	8.341354	8.342341	8.355289	8.324074	8.325898	8.31586	8.318823	8.209524	8.214584	8.213304	8.187838	8.196915	8.213679
RASAL2	cg1552360	-0.16168	7.647802	-11.0985	6.42E-09	3.05E-07	10.78184	8.236725	8.247167	8.233805	8.239925	8.224431	8.237338	8.241262	8.243507	8.200205	8.228284	8.103184	8.08788	8.118547	8.126412	8.136807	8.124021
CBFA2T3	cg1015589	-0.16168	7.843498	-9.27846	7.80E-08	2.11E-06	8.184179	8.366413	8.335588	8.363735	8.377249	8.377571	8.354735	8.361923	8.406426	8.382121	8.349657	8.249799	8.245594	8.283435	8.231274	8.260964	8.277932
SALL2	cg0332944	-0.16159	7.699424	-13.0044	6.49E-10	5.64E-08	13.09613	8.288456	8.280779	8.287972	8.267346	8.261134	8.273439	8.25949	8.26638	8.262044	8.260319	8.150425	8.135852	8.128865	8.146203	8.176721	8.155052
MYH9	cg0159222	-0.16134	7.868801	-11.0161	7.14E-09	3.27E-07	10.62953	8.375117	8.397303	8.397228	8.371511	8.414319	8.38739	8.384173	8.388158	8.390588	8.38681	8.262491	8.285943	8.268661	8.270289	8.237645	8.297884
EPB41L3	cg1931887	-0.16124	7.100306	-3.33828	0.004176	0.012934	-2.8045	7.892364	7.905536	7.888971	7.830312	7.833478	7.841325	7.879941	7.939264	7.848307	7.845977	7.691778	7.743775	7.747419	7.82675	7.83175	7.841483
TES	cg1467175	-0.16114	7.870029	-16.2385	2.37E-11	5.66E-09	16.39946	8.400061	8.390906	8.395342	8.400928	8.402875	8.387722	8.382585	8.376024	8.398696	8.383839	8.263674	8.274912	8.283239	8.256403	8.257021	8.275664
IQGAP2	cg0860422	-0.1611	7.770696	-16.0606	2.79E-11	6.53E-09	16.23408	8.316347	8.319287	8.32387	8.301552	8.324253	8.311281	8.33069	8.308175	8.318179	8.318487	8.187075	8.203544	8.208273	8.20328	8.21233	8.210427
CYGB	cg1700527	-0.16078	7.501469	-11.9422	2.24E-09	1.45E-07	11.85939	8.136666	8.134894	8.124611	8.108789	8.135897	8.128423	8.145896	8.122448	8.133373	8.128545	8.018348	8.026598	8.012425	8.019563	8.055991	8.013141
CUX1	cg0098297	-0.16016	7.867163	-8.92248	1.32E-07	3.24E-06	7.63053	8.376879	8.355741	8.393569	8.351424	8.369478	8.383784	8.376666	8.378005	8.436068	8.39464	8.293106	8.293557	8.283016	8.283749	8.241955	8.283659
NEDD4L	cg1821172	-0.16006	7.771135	-10.7546	1.00E-08	4.23E-07	10.30585	8.319947	8.324086	8.329913	8.316627	8.317727	8.362825	8.305461	8.316946	8.335792	8.287992	8.189862	8.209431	8.206845	8.185985	8.191115	8.203221
DAPK2	cg2565539	-0.1599	7.690952	-12.1126	1.83E-09	1.24E-07	12.05013	8.254232	8.274358	8.260009	8.252145	8.251803	8.246019	8.259758	8.272142	8.250113	8.273478	8.127904	8.16864	8.132785	8.165854	8.154174	8.161231
RASSF2	cg0664431	-0.15976	7.632024	-8.03468	5.30E-07	9.48E-06	6.276926	8.237269	8.246816	8.247095	8.203107	8.237259	8.21218	8.227132	8.226798	8.21534	8.185093	8.083603	8.075099	8.081556	8.131497	8.131763	8.11589
ST7	cg0503610	-0.15969	7.7976	-12.7166	9.00E-10	7.23E-08	12.75166	8.341122	8.33825	8.35227	8.333944	8.337939	8.312741	8.317845	8.328352	8.353793	8.348564	8.210231	8.226599	8.236013	8.226418	8.220698	8.216762
CUX1	cg0674600	-0.15934	7.774392	-10.2008	2.11E-08	7.69E-07	9.544857	8.326622	8.33369	8.339939	8.314902	8.331664	8.290348	8.317109	8.317887	8.293822	8.344566	8.199368	8.197368	8.184887	8.218074	8.218258	8.210988
MTUS1	cg2277189	-0.1584	7.544297	-9.31245	7.42E-08	2.06E-06	8.301881	8.146066	8.137916	8.176304	8.179353	8.161472	8.183584	8.146236	8.171489	8.16539	8.142806	8.080441	8.034157	8.059709	8.036998	8.03414	8.048462
ALDH1A2	cg2093332	-0.15817	7.485527	-9.53362	5.39E-08	1.59E-06	8.636394	8.118767	8.136753	8.140254	8.11667	8.113075	8.112099	8.127908	8.11574	8.131728	8.094807	7.996649	8.001966	7.997078	8.006747	8.01551	8.051423
JDP2	cg1010177	-0.15809	7.749745	-6.67032	5.42E-06	5.91E-05	3.853037	8.287683	8.277748	8.271413	8.303027	8.257339	8.277747	8.291143	8.383581	8.296817	8.293161	8.204177	8.190429	8.171573	8.195014	8.230153	8.229502
SYK	cg1962987	-0.15798	7.594095	-7.72554	8.78E-07	1.39E-05	5.764524	8.212686	8.219246	8.203214	8.176405	8.178933	8.175389	8.196153	8.207133	8.195413	8.172104	8.052022	8.0639	8.062883	8.107063	8.121786	8.09799
SPTBN1	cg0161324	-0.15794	7.843664	-9.98888	2.83E-08	9.64E-07	9.226461	8.368636	8.347737	8.359191	8.340505	8.392627	8.390782	8.383803	8.357837	8.380794	8.362201	8.252024	8.266196	8.280133	8.24775	8.258249	8.237871
MADD	cg1166743	-0.15787	7.824294	-11.1697	5.86E-09	2.85E-07	10.84267	8.353886	8.365988	8.374262	8.380271	8.344295	8.361215	8.368776	8.349325	8.339519	8.345116	8.244357	8.218508	8.226335	8.221684	8.268721	8.243823
ZMYND10	cg0788415	-0.15778	7.747878	-11.8635	2.47E-09	1.53E-07	11.73748	8.304464	8.320539	8.312207	8.31909	8.282925	8.290312	8.315855	8.283294	8.300844	8.292852	8.183131	8.173707	8.175267	8.193334	8.187512	8.205512
CUX1	cg0452356	-0.15763	7.84701	-15.557	4.52E-11	8.65E-09	15.75576	8.373593	8.363839	8.37402	8.374939	8.353499	8.350259	8.362169	8.37845	8.377698	8.384913	8.268811	8.260854	8.249562	8.270708	8.263684	8.256839
TSSC4	cg0684715	-0.15757	7.806195	-9.41655	6.38E-08	1.82E-06	8.404261	8.349425	8.375761	8.343695	8.341188	8.33602	8.336266	8.353482	8.344282	8.340969	8.319203	8.207856	8.214164	8.206794	8.237357	8.223088	8.270354
THBS1	cg1167328	-0.15748	7.776327	-11.6584	3.17E-09	1.83E-07	11.47779	8.32433	8.340813	8.334059	8.319243	8.324208	8.346354	8.32992	8.328298	8.311155	8.288915	8.193031	8.184374	8.192814	8.219328	8.210765	8.214404
TCF7L2	cg2728017	-0.15728	7.916425	-8.95414	1.26E-07	3.14E-06	7.663948	8.409364	8.434791	8.427757	8.414434	8.413777	8.405934	8.416232	8.427378	8.397581	8.458962	8.306796	8.29791	8.31186	8.298333	8.287943	8.356091
MFSD2A	cg0055996	-0.1571	7.755443	-12.8611	7.63E-10	6.26E-08	12.92446	8.305977	8.312898	8.295773	8.282325	8.306926	8.290808	8.313593	8.308855	8.325419	8.292151	8.191603	8.202851	8.179038	8.196413	8.2079	8.212026
TCF7L2	cg0893045	-0.15695	7.905775	-10.4343	1.54E-08	5.99E-07	9.832284	8.410376	8.409374	8.405231	8.413939	8.421443	8.40495	8.438789	8.394576	8.392903	8.439677	8.321485	8.296408	8.294942	8.309142	8.27389	8.314337
DOK3	cg0208331	-0.1568	7.59738	-12.2788	1.50E-09	1.06E-07	12.25865	8.19792	8.213985	8.192002	8.194279	8.17888	8.185528	8.185847	8.201232	8.202385	8.194972	8.080813	8.085865	8.079182	8.071295	8.109652	8.103072
EPAS1	cg0893707	-0.15671	7.321358	-7.80733	7.67E-07	1.26E-05	5.934311	7.990263	8.007506	8.014361	8.036429	8.030567	8.026366	7.991014	8.001108	8.008731	8.02805	7.920161	7.931736	7.931296	7.87647	7.890839	7.887041
PTEN	cg0174055	-0.15545	7.845532	-15.7812	3.64E-11	7.70E-09	15.97083	8.367097	8.376035	8.366516	8.377742	8.379111	8.373317	8.3687	8.380375	8.365088	8.358494	8.267665	8.237349	8.259329	8.249334	8.268897	8.252697
TMEM127	cg0893645	-0.15522	7.73834	-10.2984	1.85E-08	6.96E-07	9.689619	8.302996	8.300402	8.304599	8.272995	8.297662	8.297665	8.314409	8.289208	8.276306	8.286542	8.174381	8.159808	8.167849	8.184602	8.187127	8.217079
RARB	cg0353168	-0.1552	7.793671	-8.56324	2.29E-07	4.90E-06	7.094902	8.335662	8.345753	8.327776	8.333337	8.400126	8.327095	8.342243	8.339741	8.301169	8.31844	8.210333	8.204147	8.223543	8.210747	8.220749	8.21775
TRIM3	cg1758036	-0.15499	7.739326	-9.70175	4.23E-08	1.32E-06	8.841178	8.306983	8.295947	8.303717	8.298679	8.259485	8.299519	8.309669	8.301063	8.279832	8.28481	8.164371	8.172784	8.163732	8.193528	8.209295	8.200991
PER2	cg0624665	-0.15437	7.720246	-10.8208	9.21E-09	3.98E-07	10.40507	8.284457	8.281851	8.295534	8.309665	8.280052	8.272526	8.297759	8.283372	8.248065	8.274892	8.155169	8.15139	8.164078	8.175165	8.182987	8.174647
TP53BP2	cg1513458	-0.15375	7.782913	-10.7173	1.05E-08	4.39E-07	10.25315	8.343887	8.337315	8.328839	8.326611	8.353371	8.314755	8.322801	8.34091	8.302603	8.309342	8.191805	8.198943	8.200522	8.207032	8.23447	8.222835
RUNX3	cg0764174	-0.15361	7.440444	-12.6989	9.19E-10	7.28E-08	12.76054	8.087218	8.094217	8.093474	8.090325	8.08108	8.099504	8.072032	8.07752	8.109665	8.087708	7.99112	7.986881	7.99815	7.977949	7.973358	7.980848
RNASEL	cg1984128	-0.15358	7.77693	-12.1501	1.75E-09	1.20E-07	12.08347	8.327295	8.318877	8.338588	8.333348	8.305306	8.349968	8.316918	8.319536	8.314656	8.309333	8.200442	8.221557	8.191031	8.1945	8.222846	8.203966
FHL1	cg0543550	-0.15353	7.635193	-14.4635	1.35E-10	1.86E-08	14.67434	8.228163	8.229789	8.209577	8.217092	8.222593	8.221503	8.232193	8.219724	8.214816	8.212982	8.121222	8.10883	8.095009	8.108949	8.125287	8.121842
ILK	cg1999782	-0.1534	7.824299	-11.2779	5.11E-09	2.60E-07	10.98194	8.356033	8.356299	8.360394	8.347014	8.34347	8.351695	8.360954	8.356008	8.344525	8.359446	8.237207	8.233306	8.24088	8.222737	8.28823	8.246464
SCGB3A1	cg0117414	-0.15266	7.702722	-10.7547	1.00E-08	4.23E-07	10.31963	8.276922	8.283686	8.277209	8.259823	8.263476	8.263235	8.275811	8.273075	8.256619	8.256408	8.14202	8.140583	8.145255	8.160683	8.166466	8.194479
NEDD4L	cg0393355	-0.15258	7.776193	-11.9528	2.22E-09	1.45E-07	11.84325	8.31711	8.318779	8.333567	8.345818	8.333519	8.327744	8.315576	8.33518	8.294411	8.308992	8.210859	8.186874	8.211182	8.192699	8.221919	8.205696
CNN1	cg0104513	-0.15256	7.633058	-12.1768	1.69E-09	1.18E-07	12.13382	8.216196	8.232609	8.232069	8.219689	8.213052	8.218681	8.232181	8.216421	8.224131	8.194579	8.103225	8.094552	8.103974	8.119308	8.11579	8.130032
MCC	cg1177100	-0.15206	7.860323	-11.2322	5.41E-09	2.70E-07	10.91504	8.387914	8.392021	8.372552	8.404133	8.363021	8.379634	8.364304	8.384593	8.400836	8.362023	8.263661	8.256355	8.287692	8.271815	8.268317	8.258458
SEMA3B	cg2222901	-0.15187	7.766452	-12.7007	9.17E-10	7.28E-08	12.73793	8.314913	8.330268	8.310356	8.306356	8.315282	8.293322	8.316436	8.311953	8.32169	8.300763	8.195217	8.20772	8.184473	8.213597	8.222735	8.203596
NEDD4L	cg1737572	-0.15177	7.772578	-8.22327	3.91E-07	7.51E-06	6.55033	8.331957	8.306367	8.340479	8.317094	8.28911	8.301971	8.333792	8.311179	8.297181	8.330013	8.201562	8.202681	8.176913	8.210354	8.215207	8.25228
HIVEP1	cg0612322	-0.15119	7.790449	-9.41391	6.40E-08	1.82E-06	8.40507	8.35012	8.342092	8.32966	8.319739	8.348556	8.322758	8.330974	8.336987	8.312279	8.322161	8.22451	8.209985	8.183597	8.209437	8.219898	8.258118
EMP2	cg1287412	-0.15096	7.809382	-8.32815	3.31E-07	6.63E-06	6.709602	8.353907	8.344035	8.363858	8.318309	8.342096	8.314602	8.356806	8.347627	8.328493	8.346507	8.213904	8.22985	8.202776	8.24208	8.268321	8.261661
DAB2IP	cg0787186	-0.15067	7.762622	-8.24643	3.77E-07	7.32E-06	6.592249	8.316199	8.325441	8.334978	8.285338	8.318219	8.293788	8.318418	8.308564	8.298975	8.304057	8.164243	8.200195	8.180608	8.200691	8.21627	8.240393
NOV	cg2333176	-0.15059	7.777142	-11.8349	2.56E-09	1.55E-07	11.6968	8.312995	8.342817	8.325318	8.317247	8.325338	8.305296	8.328418	8.324494	8.304373	8.316756	8.196425	8.197232	8.204076	8.21359	8.22049	8.234639
PTPN13	cg0124396	-0.1505	6.982083	-4.19057	0.000694	0.003	-1.05686	7.713937	7.849862	7.777435	7.794898	7.803551	7.759748	7.826637	7.796267	7.798245	7.820223	7.736985	7.73128	7.700887	7.737078	7.749598	7.66993
RNF111	cg0843302	-0.15046	7.903449	-9.94929	2.99E-08	1.02E-06	9.153769	8.40918	8.426981	8.420631	8.460848	8.406906	8.400368	8.415028	8.412511	8.404584	8.387658	8.290594	8.298657	8.283555	8.318188	8.297849	8.281881
HIVEP3	cg0281958	-0.15039	7.38552	-4.57431	0.000313	0.001582	-0.20259	8.026469	8.038931	8.015138	8.087299	8.080279	8.074447	8.023319	8.047466	8.083736	8.045259	7.992675	7.999651	7.97419	7.892781	7.925609	7.924299
PPP2R5C	cg0522067	-0.14948	7.793321	-14.2564	1.67E-10	2.13E-08	14.4524	8.3369	8.350991	8.337853	8.326395	8.337932	8.327872	8.319206	8.332738	8.326143	8.332462	8.200572	8.229295	8.217905	8.215142	8.234284	8.227063
GSK3B	cg1764493	-0.14942	7.654454	-7.73841	8.59E-07	1.38E-05	5.775491	8.246549	8.242272	8.247149	8.244752	8.230067	8.211373	8.256639	8.229041	8.216668	8.218996	8.112334	8.083219	8.129583	8.135969	8.169625	8.127719
DAPK2	cg0690464	-0.14916	7.729449	-10.5787	1.27E-08	5.14E-07	10.07708	8.301205	8.283951	8.278411	8.289602	8.30623	8.282016	8.295327	8.304839	8.260406	8.269361	8.162647	8.164351	8.173078	8.194752	8.192452	8.175097
JDP2	cg0749028	-0.14906	7.861358	-12.5224	1.13E-09	8.60E-08	12.51379	8.390783	8.38023	8.383084	8.388106	8.4065	8.366185	8.3917	8.375506	8.361417	8.376351	8.271082	8.261334	8.260396	8.255246	8.282856	8.278389
MTUS1	cg1199572	-0.14871	7.714413	-6.17894	1.33E-05	0.000123	2.949551	8.28229	8.295876	8.31131	8.287829	8.251264	8.260149	8.261846	8.283844	8.218468	8.318833	8.154815	8.158489	8.133698	8.177596	8.18507	8.185638
DDR2	cg1721769	-0.14865	7.75181	-10.9152	8.14E-09	3.64E-07	10.52357	8.318934	8.311353	8.310517	8.313956	8.282093	8.289247	8.304194	8.302432	8.292917	8.296909	8.178976	8.190878	8.171582	8.194885	8.218948	8.206346
CAT	cg1787689	-0.14853	7.426701	-5.61784	3.87E-05	0.000287	1.915535	8.047568	8.050807	8.068934	8.114245	8.100141	8.099988	8.056505	8.091218	8.088787	8.069936	8.000936	8.005967	8.008764	7.975981	7.950227	7.928372
ABI2	cg2474742	-0.14833	7.80552	-6.54499	6.80E-06	7.09E-05	3.607246	8.362061	8.366071	8.34994	8.318877	8.329428	8.330541	8.347713	8.358843	8.315106	8.327608	8.191929	8.200267	8.212228	8.241547	8.25595	8.283875
DIRAS3	cg2575590	-0.14822	7.683341	-11.382	4.48E-09	2.33E-07	11.14315	8.25928	8.242537	8.276418	8.24956	8.262124	8.246046	8.249959	8.241768	8.249304	8.2617	8.162887	8.146569	8.129544	8.126613	8.1612	8.154665
CBFA2T3	cg0537009	-0.14822	7.644739	-8.77928	1.65E-07	3.79E-06	7.471153	8.239761	8.228629	8.245402	8.212046	8.201822	8.221626	8.243054	8.226157	8.225688	8.210315	8.103092	8.100011	8.106948	8.142567	8.149885	8.137168
NEDD4L	cg0334733	-0.14793	7.534017	-6.95775	3.25E-06	3.97E-05	4.434083	8.170023	8.170542	8.17957	8.132472	8.123404	8.160909	8.164659	8.142839	8.141554	8.13432	8.036533	8.003571	8.027153	8.064895	8.075254	8.066252
CABLES1	cg2655102	-0.14787	7.823109	-10.674	1.12E-08	4.63E-07	10.18423	8.360703	8.351466	8.353803	8.356284	8.374274	8.321566	8.353481	8.352286	8.360479	8.33844	8.251847	8.248525	8.222659	8.232775	8.2485	8.263875
DOK3	cg2210856	-0.14747	7.532665	-11.6108	3.37E-09	1.90E-07	11.44791	8.131465	8.142614	8.172107	8.143437	8.153426	8.167158	8.139714	8.14149	8.154773	8.151281	8.047387	8.061575	8.052215	8.038846	8.036296	8.044384
NNAT	cg1390145	-0.14747	7.761734	-15.7036	3.92E-11	7.90E-09	15.89806	8.304874	8.325398	8.314098	8.314767	8.299778	8.316172	8.297235	8.306329	8.314649	8.301734	8.190562	8.2099	8.199767	8.197189	8.203018	8.200139
ZHX2	cg0721734	-0.14736	7.745794	-8.84134	1.50E-07	3.54E-06	7.545425	8.303989	8.317278	8.322878	8.27779	8.283674	8.288976	8.305597	8.292018	8.293927	8.288058	8.162355	8.170183	8.179893	8.201617	8.21131	8.217142
CUX1	cg0302205	-0.14735	7.817667	-8.54341	2.37E-07	5.02E-06	7.05225	8.340377	8.34645	8.361143	8.313813	8.342764	8.32049	8.376931	8.346716	8.345275	8.347183	8.240702	8.235216	8.212814	8.278237	8.24935	8.270723
GSN	cg1707195	-0.14724	7.623383	-11.738	2.88E-09	1.73E-07	11.5979	8.19607	8.215913	8.216264	8.225278	8.194434	8.210222	8.219088	8.207489	8.199234	8.219349	8.106891	8.119046	8.098302	8.089692	8.120447	8.12196
ZFHX3	cg0808017	-0.14722	7.756067	-9.47914	5.83E-08	1.69E-06	8.511876	8.305276	8.318281	8.319902	8.311701	8.324792	8.303227	8.296016	8.302161	8.302607	8.289778	8.228311	8.18928	8.156184	8.214507	8.194409	8.176508
LRIG1	cg0149152	-0.14718	7.718415	-9.80349	3.67E-08	1.18E-06	8.993816	8.293728	8.294982	8.285565	8.266961	8.269589	8.251935	8.264386	8.285291	8.273599	8.284808	8.154806	8.162985	8.16089	8.17177	8.202347	8.186194
CUX1	cg1577044	-0.14717	7.835928	-11.4259	4.24E-09	2.24E-07	11.16875	8.357392	8.35772	8.358772	8.356982	8.321893	8.360522	8.355742	8.365574	8.384537	8.358792	8.269726	8.24186	8.261018	8.2637	8.275098	8.246936
PLXNC1	cg1466532	-0.14711	7.705783	-10.7941	9.53E-09	4.09E-07	10.37212	8.268328	8.282589	8.279208	8.282221	8.256425	8.271942	8.273751	8.269227	8.246159	8.27067	8.153158	8.162368	8.143306	8.171857	8.191999	8.146323
BHLHE41	cg1604747	-0.1471	7.624492	-11.0582	6.76E-09	3.15E-07	10.73166	8.209808	8.225514	8.214326	8.204926	8.211923	8.212167	8.213243	8.230784	8.186085	8.211616	8.089345	8.105555	8.09669	8.112388	8.118252	8.129509
RASL11A	cg0108719	-0.14706	7.599315	-6.71384	5.01E-06	5.58E-05	3.975742	8.210911	8.196197	8.207386	8.144099	8.171149	8.168181	8.203573	8.197901	8.219845	8.181803	8.086168	8.064046	8.079523	8.114131	8.119123	8.133124
HOMER2	cg1649385	-0.1468	7.810852	-10.35	1.72E-08	6.60E-07	9.743377	8.346251	8.354333	8.358995	8.312195	8.329041	8.348343	8.338367	8.348053	8.338132	8.349422	8.207825	8.233752	8.235069	8.248071	8.249192	8.254047
TXNIP	cg0502801	-0.14639	7.621069	-13.517	3.67E-10	3.76E-08	13.67222	8.229535	8.211818	8.211309	8.212405	8.203615	8.207499	8.205875	8.213978	8.199227	8.207199	8.092802	8.113927	8.089115	8.111406	8.119246	8.10578
ARG1	cg1740870	-0.14632	7.857682	-4.81012	0.000193	0.001072	0.15848	8.340635	8.373176	8.40145	8.415184	8.279782	8.353023	8.379201	8.407683	8.409565	8.348421	8.280784	8.260317	8.249195	8.304958	8.31345	8.270057
MCC	cg2582526	-0.14627	7.82838	-10.9266	8.02E-09	3.60E-07	10.52138	8.366988	8.36478	8.360926	8.352384	8.346671	8.344067	8.361379	8.36569	8.346197	8.345839	8.225477	8.239851	8.236914	8.260833	8.251298	8.281606
GLTSCR2	cg0837112	-0.14547	7.763204	-12.757	8.59E-10	6.95E-08	12.80411	8.328218	8.312577	8.308617	8.293217	8.321743	8.303407	8.301829	8.299334	8.312892	8.312119	8.211413	8.205404	8.188138	8.189792	8.210071	8.213162
ADARB1	cg1311057	-0.14539	7.757267	-13.016	6.40E-10	5.64E-08	13.10273	8.309412	8.302912	8.312678	8.315415	8.31699	8.317067	8.295389	8.29456	8.310461	8.295936	8.220402	8.199139	8.190145	8.179394	8.203704	8.182124
PKD1	cg2387201	-0.14527	7.679696	-13.2319	5.03E-10	4.81E-08	13.35346	8.252277	8.262758	8.251709	8.236398	8.242962	8.241942	8.239885	8.251651	8.254254	8.25478	8.143824	8.145975	8.140294	8.136227	8.15463	8.169364
NDRG4	cg0419484	-0.14499	7.034811	-3.92644	0.001208	0.004699	-1.59513	7.807879	7.812365	7.804131	7.835478	7.872015	7.871782	7.818087	7.813042	7.803093	7.877801	7.771931	7.766701	7.790201	7.687256	7.720239	7.710387
LRIG1	cg1089294	-0.1448	7.741133	-13.7816	2.76E-10	3.10E-08	13.95224	8.30684	8.288904	8.301895	8.28793	8.303077	8.290496	8.28668	8.300015	8.275165	8.298319	8.171178	8.193954	8.181526	8.195263	8.195024	8.187629
TOM1L2	cg0169547	-0.14462	7.789319	-11.9186	2.31E-09	1.46E-07	11.79825	8.334842	8.337225	8.339607	8.307575	8.326993	8.333657	8.328233	8.328457	8.316063	8.326335	8.208954	8.215723	8.20799	8.215505	8.248682	8.231025
RBL2	cg1700292	-0.14449	7.873438	-8.0753	4.96E-07	8.99E-06	6.273498	8.405296	8.402855	8.397573	8.36476	8.400202	8.352082	8.392516	8.394453	8.390693	8.372503	8.262066	8.257887	8.266935	8.302427	8.291562	8.313761
SEPT4	cg0604199	-0.14442	7.787326	-11.4309	4.21E-09	2.24E-07	11.18681	8.33065	8.32287	8.336554	8.306003	8.335598	8.330132	8.340486	8.300953	8.336862	8.318699	8.218911	8.234895	8.205716	8.219851	8.228904	8.217081
NEDD4L	cg1629225	-0.1444	7.309595	-3.12755	0.006503	0.018524	-3.21898	8.039701	8.037689	8.043183	7.967777	7.967864	7.955594	8.023959	8.027494	7.977673	7.970574	7.852002	7.867152	7.831586	7.970765	7.956055	7.96659
RPS6KA2	cg2020335	-0.14424	7.71432	-6.73948	4.79E-06	5.38E-05	3.998328	8.288721	8.277144	8.259893	8.309368	8.283396	8.247524	8.272577	8.300577	8.22663	8.283949	8.160985	8.174421	8.145484	8.207931	8.1674	8.159012
ADARB1	cg2191363	-0.14398	7.669396	-10.8762	8.56E-09	3.80E-07	10.48676	8.232367	8.24125	8.241404	8.25587	8.231296	8.277255	8.243165	8.239056	8.232948	8.240663	8.150223	8.152373	8.13364	8.120419	8.134828	8.139017
ZHX2	cg0348252	-0.14374	7.834205	-10.1778	2.18E-08	7.80E-07	9.498402	8.388217	8.359858	8.365981	8.358508	8.347075	8.368124	8.376459	8.35543	8.341564	8.34748	8.23704	8.237004	8.23567	8.257196	8.275542	8.266651
ARHGEF12	cg0948752	-0.14362	7.860329	-10.789	9.60E-09	4.10E-07	10.32803	8.361403	8.369314	8.360427	8.362459	8.370601	8.393419	8.387502	8.383056	8.359751	8.399349	8.286282	8.296338	8.264615	8.259322	8.273408	8.288478
AHNAK	cg0914186	-0.14349	7.710734	-7.87639	6.85E-07	1.16E-05	5.995673	8.278137	8.28913	8.285168	8.290086	8.253441	8.253313	8.286918	8.276783	8.244301	8.264724	8.157709	8.154222	8.130145	8.178109	8.194397	8.188054
RARRES3	cg2007244	-0.14339	7.717239	-11.0579	6.77E-09	3.15E-07	10.71849	8.288671	8.280088	8.259434	8.271116	8.289422	8.27639	8.292427	8.283794	8.258264	8.260925	8.157145	8.179064	8.156599	8.183101	8.178864	8.181192
TGFBR2	cg1372481	-0.14321	7.872265	-14.2781	1.63E-10	2.10E-08	14.46674	8.385418	8.381827	8.391065	8.376295	8.395426	8.362643	8.383135	8.393219	8.388958	8.389007	8.28741	8.271691	8.282243	8.300158	8.27895	8.285594
PRDM11	cg1479102	-0.14316	7.605262	-16.4064	2.03E-11	4.95E-09	16.54479	8.202965	8.197075	8.202171	8.197105	8.189639	8.19565	8.191004	8.191854	8.199315	8.205612	8.097261	8.097158	8.100208	8.097833	8.089439	8.107228
ZMYND11	cg2268835	-0.14235	7.912347	-9.42551	6.30E-08	1.80E-06	8.382634	8.418128	8.406854	8.406433	8.417503	8.421364	8.41776	8.399034	8.423183	8.43981	8.399894	8.311944	8.332571	8.312717	8.282604	8.337887	8.289208

MCC	cg1047326	-0.14224	7.840126	-12.4877	1.17E-09	8.75E-08	12.47668	8.370565	8.36533	8.364623	8.382694	8.358039	8.359094	8.369802	8.357379	8.369806	8.343589	8.253904	8.263401	8.246868	8.261942	8.277355	8.240622
PIN1	cg2605139	-0.14207	7.594811	-8.13876	4.48E-07	8.31E-06	6.454579	8.158359	8.17702	8.195898	8.206387	8.217702	8.20167	8.180529	8.194723	8.177419	8.198491	8.110885	8.098159	8.110305	8.0763	8.069384	8.075509
CXCR2	cg2013129	-0.14191	7.434263	-3.48631	0.003056	0.010023	-2.48923	8.100264	8.105547	8.113597	8.053317	8.042149	8.044293	8.124317	8.103424	8.074011	8.036031	7.928384	7.942231	7.944974	8.053886	8.041413	8.031075
DAPK3	cg1474845	-0.14161	7.751833	-16.8071	1.41E-11	3.93E-09	16.91202	8.305862	8.300946	8.292359	8.301882	8.285738	8.297928	8.30454	8.292576	8.305832	8.298098	8.19963	8.19901	8.196272	8.195225	8.201163	8.205993
ALPL	cg0520259	-0.14145	7.752476	-10.5443	1.33E-08	5.31E-07	10.02542	8.319867	8.311338	8.314383	8.29874	8.289323	8.299003	8.293457	8.302051	8.280652	8.308437	8.16404	8.194509	8.193346	8.213068	8.203308	8.205843
AKT1	cg1010076	-0.14141	7.929948	-13.7658	2.80E-10	3.13E-08	13.91127	8.438696	8.434212	8.426144	8.43247	8.431247	8.435429	8.42649	8.429096	8.424577	8.418468	8.325444	8.325693	8.30447	8.298456	8.332417	8.338262
SEMA3F	cg1562870	-0.14118	7.648797	-8.11546	4.65E-07	8.53E-06	6.405256	8.224035	8.227289	8.219598	8.23232	8.185347	8.226886	8.242568	8.240327	8.230905	8.211268	8.111943	8.104144	8.145712	8.12899	8.166276	8.140073
PTPN11	cg2569546	-0.14108	7.839439	-7.73517	8.64E-07	1.38E-05	5.714426	8.381161	8.357716	8.365169	8.339732	8.357292	8.352833	8.37588	8.35671	8.385533	8.336032	8.266642	8.250019	8.232991	8.236226	8.293603	8.289431
STAT3	cg2219741	-0.14079	7.676491	-6.1288	1.46E-05	0.000132	2.863707	8.270162	8.267713	8.26275	8.231808	8.210354	8.247152	8.255987	8.259277	8.230237	8.232772	8.108956	8.117303	8.123079	8.167082	8.177818	8.182202
CDH5	cg1536275	-0.14077	7.834013	-7.39289	1.53E-06	2.17E-05	5.126263	8.36361	8.373838	8.376142	8.326137	8.351171	8.340102	8.363662	8.370657	8.360238	8.343099	8.23634	8.241185	8.227182	8.256892	8.287412	8.297343
GPRC5A	cg2476574	-0.14076	7.720915	-9.88417	3.27E-08	1.07E-06	9.109561	8.261614	8.288215	8.268866	8.313583	8.281986	8.261212	8.274718	8.299454	8.26444	8.264837	8.171153	8.178462	8.175525	8.177846	8.175569	8.179909
LIMD1	cg2577298	-0.14048	7.807412	-8.48083	2.61E-07	5.42E-06	6.956608	8.342144	8.347057	8.351891	8.318954	8.314475	8.32893	8.345024	8.342287	8.329695	8.34857	8.232769	8.214101	8.227021	8.234557	8.245979	8.287982
IGF2R	cg1919686	-0.14006	7.838038	-9.35222	7.00E-08	1.96E-06	8.299464	8.374791	8.37325	8.373644	8.35883	8.329635	8.379241	8.358994	8.364705	8.342298	8.365588	8.248701	8.258403	8.225558	8.270109	8.272285	8.265188
UIMC1	cg1755072	-0.13998	7.672603	-11.9654	2.18E-09	1.43E-07	11.87387	8.233517	8.243464	8.264817	8.248598	8.254635	8.251686	8.242709	8.238254	8.238992	8.236544	8.142891	8.126557	8.156612	8.121216	8.151111	8.149384
LRRC4	cg2112953	-0.13994	7.818537	-13.5232	3.65E-10	3.76E-08	13.66246	8.338047	8.350859	8.35295	8.350295	8.347135	8.350693	8.334724	8.35587	8.337681	8.352819	8.233155	8.266678	8.236613	8.237167	8.248703	8.244741
RB1	cg1442943	-0.1397	7.816486	-8.14276	4.45E-07	8.27E-06	6.403658	8.34932	8.331851	8.343852	8.356067	8.301844	8.339123	8.362786	8.359442	8.340952	8.3354	8.22256	8.258971	8.225797	8.24506	8.258215	8.28315
TP53INP1	cg0654221	-0.13954	7.628762	-8.28785	3.53E-07	6.96E-06	6.691977	8.225133	8.233294	8.234578	8.205603	8.198798	8.19503	8.215972	8.205858	8.205059	8.215668	8.09342	8.102079	8.095601	8.112339	8.153347	8.126929
FOXO1	cg2661307	-0.13946	7.562891	-8.95693	1.26E-07	3.14E-06	7.760783	8.201142	8.168748	8.184324	8.164067	8.156327	8.164665	8.146705	8.179531	8.180386	8.147654	8.054875	8.058687	8.055391	8.080697	8.085346	8.074502
CLU	cg1228316	-0.13944	7.716625	-7.77292	8.12E-07	1.32E-05	5.818701	8.283969	8.289009	8.284571	8.2781	8.255343	8.245968	8.279186	8.288052	8.25871	8.271324	8.16421	8.154926	8.146471	8.178739	8.202621	8.208246
CLU	cg0373551	-0.13936	7.765012	-8.6275	2.08E-07	4.58E-06	7.20397	8.326417	8.31062	8.32793	8.283187	8.297671	8.30503	8.311086	8.299458	8.31648	8.303785	8.172192	8.218836	8.196233	8.225677	8.233529	8.203808
CD44	cg0835613	-0.13936	7.46859	-14.1124	1.94E-10	2.32E-08	14.31281	8.103015	8.099514	8.096458	8.108703	8.101563	8.117119	8.096997	8.107926	8.100618	8.106171	8.018667	8.011226	8.013702	7.999355	8.015437	7.999114
SEMA3F	cg0022022	-0.13931	7.642292	-11.3648	4.58E-09	2.35E-07	11.12623	8.221821	8.213457	8.21999	8.240097	8.240451	8.226473	8.217686	8.220038	8.207638	8.228794	8.148003	8.123208	8.119027	8.109462	8.11866	8.112134
IQGAP2	cg0516323	-0.1388	7.526624	-3.89158	0.0013	0.005007	-1.65442	8.161809	8.171974	8.166951	8.110167	8.108018	8.119318	8.181369	8.158444	8.107643	8.129099	8.01514	7.993483	8.003351	8.091755	8.08347	8.113407
SH3GLB1	cg0712448	-0.13874	7.502437	-6.07448	1.62E-05	0.000144	2.796125	8.148797	8.14539	8.138769	8.121069	8.116442	8.125961	8.137048	8.140194	8.099744	8.111139	7.96375	8.027839	8.025952	8.05585	8.051092	8.047199
EMP2	cg2354872	-0.13861	7.910679	-10.2578	1.95E-08	7.24E-07	9.584069	8.403613	8.418725	8.416224	8.412929	8.385741	8.381245	8.410178	8.41642	8.42539	8.423352	8.292949	8.33109	8.308377	8.341629	8.31894	8.309595
TP53INP1	cg1339303	-0.13859	7.59787	-11.5159	3.79E-09	2.07E-07	11.32294	8.207394	8.194193	8.192817	8.207261	8.176573	8.208897	8.186968	8.183287	8.188119	8.188348	8.093355	8.110644	8.071472	8.095907	8.092494	8.083954
CBFA2T3	cg0136667	-0.13851	7.674884	-9.40413	6.49E-08	1.84E-06	8.417938	8.254791	8.250892	8.243808	8.222924	8.253995	8.230975	8.25078	8.252733	8.239012	8.237502	8.140474	8.139772	8.125955	8.147485	8.186892	8.147461
PRDM2	cg1150238	-0.13834	7.849536	-8.6936	1.88E-07	4.20E-06	7.283173	8.36015	8.376171	8.369042	8.413078	8.367263	8.350063	8.359655	8.383751	8.36202	8.357794	8.257092	8.250215	8.29082	8.271078	8.249905	8.27471
MTSS1	cg0667989	-0.13832	7.549101	-9.44107	6.16E-08	1.78E-06	8.492418	8.142677	8.139568	8.149073	8.184175	8.1677	8.15648	8.150438	8.172237	8.145523	8.163802	8.078452	8.072945	8.071188	8.064314	8.050753	8.044253
BMP2	cg1060472	-0.1382	7.796559	-12.3383	1.40E-09	1.01E-07	12.30573	8.323143	8.327427	8.330476	8.332454	8.30739	8.340038	8.346073	8.324651	8.336288	8.321841	8.236397	8.217419	8.237557	8.237285	8.247345	8.221946
TP53INP1	cg2003981	-0.13784	7.671999	-10.8909	8.40E-09	3.74E-07	10.50562	8.254947	8.244273	8.235988	8.24311	8.237886	8.236725	8.233704	8.257292	8.235026	8.241708	8.13323	8.154984	8.131416	8.130278	8.150342	8.172617
MYH9	cg2100974	-0.1378	7.908986	-6.98184	3.12E-06	3.84E-05	4.363724	8.406952	8.397058	8.43169	8.348508	8.400845	8.434981	8.399086	8.424439	8.413037	8.428989	8.302194	8.327342	8.298908	8.30139	8.319461	8.342486
ERF	cg0501622	-0.13715	7.771916	-9.93661	3.04E-08	1.03E-06	9.171434	8.313536	8.314685	8.308159	8.316646	8.310565	8.296914	8.298979	8.312734	8.296533	8.346495	8.22382	8.201387	8.232668	8.216845	8.221797	8.197414
CYGB	cg1844987	-0.13683	7.611032	-11.527	3.74E-09	2.06E-07	11.33488	8.202706	8.191852	8.195032	8.196585	8.203517	8.19239	8.202516	8.191479	8.192238	8.217572	8.097396	8.097313	8.134209	8.100763	8.108572	8.099693
TSSC4	cg1267254	-0.13648	7.319837	-4.87296	0.00017	0.000969	0.420639	7.987095	7.993092	7.985268	8.037652	8.00954	8.017938	7.977	7.996518	8.015538	8.032443	7.959375	7.921943	7.95687	7.914501	7.864728	7.885462
ING5	cg1326221	-0.13646	7.689423	-13.0234	6.35E-10	5.64E-08	13.11826	8.264495	8.258495	8.252397	8.241812	8.262285	8.26434	8.269676	8.239437	8.248919	8.249051	8.144653	8.16018	8.153324	8.164231	8.159165	8.154043
JDP2	cg0743730	-0.13597	7.842011	-10.0992	2.43E-08	8.53E-07	9.383923	8.36492	8.366717	8.376011	8.36417	8.341355	8.335116	8.358642	8.364971	8.367638	8.367997	8.261377	8.256457	8.252236	8.25333	8.281307	8.293256
IGF2R	cg1446311	-0.1359	7.889054	-9.13764	9.60E-08	2.50E-06	7.958	8.42016	8.408591	8.394781	8.393918	8.412136	8.373632	8.405145	8.397235	8.394775	8.378488	8.29406	8.274589	8.276399	8.288893	8.325162	8.309235
CD4	cg0834980	-0.13588	7.355756	-11.41	4.33E-09	2.28E-07	11.20423	8.036755	8.018536	8.014794	8.020616	8.049162	8.027267	8.025218	8.041708	8.019944	8.0274	7.934539	7.951873	7.93591	7.942271	7.941156	7.932991
CDH5	cg1651719	-0.13583	7.816116	-7.13875	2.37E-06	3.05E-05	4.68577	8.357242	8.355692	8.356922	8.327253	8.335078	8.352155	8.367123	8.351292	8.31308	8.333934	8.224912	8.230453	8.206821	8.277094	8.274502	8.247556
SMYD4	cg0481193	-0.13579	7.850278	-11.318	4.86E-09	2.48E-07	11.02836	8.369871	8.364204	8.3834	8.356551	8.362967	8.379147	8.369163	8.358753	8.374287	8.367795	8.283145	8.273746	8.247676	8.249821	8.287622	8.27241
MCPH1	cg0587664	-0.13556	7.767299	-10.6538	1.15E-08	4.74E-07	10.17081	8.313891	8.319438	8.312407	8.320468	8.312669	8.306658	8.314498	8.309554	8.316849	8.279991	8.219671	8.204627	8.183988	8.218911	8.226055	8.198016
DDR2	cg0632520	-0.13547	7.783447	-11.0589	6.76E-09	3.15E-07	10.70728	8.332128	8.351035	8.332795	8.309618	8.324808	8.322995	8.297519	8.318518	8.313317	8.329924	8.203064	8.219717	8.213751	8.225876	8.231603	8.213672
GLI1	cg1053056	-0.13544	7.367041	-3.31873	0.004352	0.013406	-2.83132	8.043235	7.956569	7.940425	8.011414	8.047125	8.070539	8.033279	8.092402	8.073784	8.002544	8.01024	7.994115	7.95094	7.906891	7.954035	7.951728
YAP1	cg0961209	-0.13511	7.377894	-8.5435	2.37E-07	5.02E-06	7.134266	8.060403	8.034653	8.05906	8.044854	8.03303	8.024269	8.055168	8.050984	8.033623	8.029988	7.93277	7.93512	7.948694	7.978906	7.96536	7.961595
SHPRH	cg0300858	-0.13508	7.860731	-7.3546	1.64E-06	2.27E-05	5.052424	8.392794	8.39172	8.377675	8.368829	8.434281	8.357269	8.386116	8.370112	8.36803	8.350641	8.275183	8.275223	8.241269	8.294219	8.267315	8.271325
DAB2IP	cg2068267	-0.13501	7.862366	-7.57398	1.13E-06	1.69E-05	5.43259	8.389835	8.39075	8.402813	8.380837	8.385045	8.361745	8.395745	8.37404	8.377706	8.339555	8.255318	8.25294	8.253031	8.278239	8.290878	8.311935
PRDM2	cg0660428	-0.13467	7.277273	-2.87399	0.011032	0.028392	-3.73032	8.016671	8.012216	8.009375	7.946395	7.935142	7.947374	8.009493	8.010734	7.945099	7.945027	7.832122	7.825255	7.843929	7.942912	7.966386	7.939953
MCC	cg0184475	-0.13467	7.597205	-14.9696	8.05E-11	1.34E-08	15.18496	8.197584	8.191216	8.190662	8.196965	8.184952	8.180234	8.193415	8.184913	8.183915	8.193239	8.088589	8.099237	8.088953	8.098464	8.0952	8.105719
NFATC1	cg0063642	-0.13463	7.853198	-5.59417	4.05E-05	0.000298	1.755823	8.39834	8.380963	8.370308	8.338037	8.355594	8.344906	8.359319	8.413583	8.369144	8.351193	8.231871	8.265492	8.242217	8.297876	8.318449	8.297269
PAX6	cg0747891	-0.13463	7.59312	-5.73777	3.07E-05	0.000241	2.123104	8.191654	8.194576	8.198133	8.16627	8.178731	8.174927	8.196488	8.217648	8.153143	8.185499	8.07593	8.071884	8.066201	8.081139	8.126588	8.151086
TP53INP1	cg0875573	-0.13454	7.824793	-8.94385	1.28E-07	3.17E-06	7.682586	8.343913	8.359108	8.364934	8.373234	8.359241	8.33957	8.370783	8.332002	8.335928	8.342011	8.245756	8.259397	8.229018	8.255457	8.275678	8.223862
SGMS1	cg0045336	-0.13452	7.752382	-6.94529	3.32E-06	4.04E-05	4.361526	8.313919	8.327461	8.31924	8.297693	8.311076	8.271783	8.309155	8.292278	8.292641	8.275089	8.180303	8.183665	8.164473	8.19747	8.242218	8.212229
SETD2	cg0606656	-0.1345	6.882421	-5.17633	9.23E-05	0.000593	0.924479	7.765021	7.690532	7.690427	7.695758	7.713512	7.7212	7.751874	7.775781	7.766739	7.723381	7.671045	7.669691	7.659773	7.715446	7.674869	7.665868
SGMS1	cg2238837	-0.13445	7.778474	-6.97498	3.16E-06	3.86E-05	4.404924	8.33983	8.33764	8.327601	8.305433	8.304537	8.296201	8.330592	8.318674	8.299969	8.31049	8.179147	8.203133	8.199778	8.238991	8.240158	8.251793
RASSF1	cg2609395	-0.13444	6.981937	-4.33262	0.000516	0.002357	-0.76146	7.811987	7.823609	7.778245	7.778897	7.770067	7.745874	7.772533	7.800337	7.826942	7.814064	7.707349	7.752375	7.684648	7.695186	7.767578	7.733731
SEMA3F	cg1695539	-0.13436	7.190418	-10.6005	1.23E-08	5.02E-07	10.14803	7.916438	7.907755	7.91218	7.923821	7.900856	7.922567	7.919788	7.925313	7.947131	7.919589	7.847986	7.842973	7.853815	7.824769	7.851873	7.839185
PHLPP2	cg0009081	-0.13433	7.827992	-14.1144	1.94E-10	2.32E-08	14.29915	8.347361	8.338815	8.34453	8.340426	8.356388	8.341769	8.371803	8.346557	8.356761	8.348154	8.253662	8.259259	8.260143	8.246789	8.268978	8.263335
DAPK3	cg2609025	-0.1341	7.762175	-11.1735	5.83E-09	2.85E-07	10.8603	8.307953	8.309491	8.296154	8.319292	8.304452	8.287732	8.32139	8.299733	8.297109	8.300919	8.188999	8.220779	8.203813	8.219704	8.201146	8.220542
JDP2	cg2313867	-0.13399	7.057458	-8.23397	3.85E-07	7.41E-06	6.619839	7.859377	7.830793	7.822509	7.826237	7.831018	7.839688	7.861018	7.845251	7.844669	7.828819	7.752906	7.740933	7.772179	7.777447	7.784682	7.753387
EPHB6	cg1342654	-0.13369	7.716453	-10.7977	9.49E-09	4.08E-07	10.37481	8.286545	8.289094	8.282168	8.259708	8.256544	8.281247	8.263466	8.263388	8.284554	8.267956	8.162054	8.181612	8.163669	8.182153	8.171975	8.190991
PPP2R5C	cg1947837	-0.13356	7.802288	-11.0185	7.12E-09	3.27E-07	10.64931	8.340658	8.34088	8.337503	8.333578	8.334233	8.325755	8.339222	8.321724	8.351993	8.313573	8.216101	8.247816	8.232428	8.224682	8.246949	8.245944
TGFBR3	cg2344014	-0.13347	7.610357	-4.00713	0.001019	0.004096	-1.42982	8.216704	8.21888	8.229982	8.170865	8.205685	8.171647	8.227694	8.229634	8.169916	8.156322	8.055132	8.060097	8.064957	8.147914	8.152163	8.142085
PEA15	cg2408530	-0.13324	7.794391	-9.98904	2.83E-08	9.64E-07	9.241087	8.32806	8.340261	8.333232	8.300371	8.343976	8.32021	8.317722	8.332837	8.344292	8.313548	8.222388	8.226582	8.229952	8.223111	8.233684	8.253084
TRIM35	cg1828055	-0.13315	7.821719	-7.25608	1.94E-06	2.59E-05	4.892472	8.368623	8.364898	8.342981	8.341842	8.376236	8.326898	8.341993	8.36084	8.323415	8.345379	8.258289	8.199169	8.247725	8.272105	8.261411	8.243182
CLU	cg2403003	-0.13307	7.938	-11.5058	3.84E-09	2.09E-07	11.2444	8.436791	8.430518	8.425217	8.414978	8.431185	8.423258	8.429104	8.444303	8.443017	8.41998	8.324569	8.319314	8.346007	8.340802	8.361303	8.323641
PBRM1	cg0908318	-0.13306	7.868329	-10.2361	2.01E-08	7.43E-07	9.567742	8.367738	8.369389	8.382659	8.377759	8.385582	8.351288	8.404547	8.37843	8.362605	8.396169	8.281279	8.277856	8.291213	8.289162	8.281476	8.309797
GAS1	cg1384856	-0.13275	7.39884	-2.90726	0.010297	0.026854	-3.67293	8.024173	8.020263	8.020455	8.074385	8.109806	8.070915	8.021803	8.020935	8.104943	8.082144	8.026844	8.0161	8.036053	7.908803	7.901066	7.932045
RBL2	cg1236027	-0.13263	7.789848	-7.26602	1.90E-06	2.56E-05	4.918621	8.321215	8.330736	8.339973	8.278085	8.317481	8.329501	8.319489	8.340816	8.304392	8.341624	8.219002	8.217514	8.215986	8.271454	8.22477	8.239734
EPHA2	cg2287480	-0.13241	7.576701	-10.5136	1.38E-08	5.51E-07	10.0114	8.193878	8.178402	8.18401	8.181524	8.169136	8.170227	8.183911	8.175762	8.157495	8.170528	8.085445	8.063856	8.060257	8.09429	8.095596	8.086997
THRB	cg2053715	-0.13229	7.842078	-8.09017	4.84E-07	8.82E-06	6.308656	8.366237	8.345356	8.370381	8.373996	8.344469	8.330937	8.388561	8.364369	8.343049	8.364091	8.240209	8.272435	8.252658	8.271201	8.286071	8.292084
CD82	cg1626745	-0.13221	7.66003	-13.6228	3.27E-10	3.55E-08	13.78564	8.233338	8.233601	8.237408	8.223547	8.236331	8.238603	8.230766	8.233641	8.233888	8.226628	8.137311	8.138182	8.133835	8.15287	8.121704	8.149311
CDH13	cg0717932	-0.13217	7.234664	-3.22919	0.005254	0.015616	-3.00804	7.95671	7.97727	7.964984	7.912559	7.940153	7.901276	7.98473	7.992607	7.924908	7.917082	7.817489	7.820207	7.832628	7.935595	7.930125	7.8904
NDRG4	cg0684119	-0.13189	7.619414	-5.2777	7.54E-05	0.000499	1.200513	8.225313	8.221036	8.202093	8.167035	8.223415	8.17185	8.228481	8.214816	8.207911	8.17045	8.06918	8.095829	8.096349	8.148266	8.144219	8.130116
ADARB1	cg1716733	-0.1318	7.639366	-13.558	3.51E-10	3.73E-08	13.71611	8.224306	8.214134	8.222572	8.205187	8.222117	8.223874	8.219372	8.213821	8.226332	8.20917	8.122109	8.13266	8.116735	8.116411	8.135016	8.129799
GSK3B	cg1258820	-0.13176	7.820382	-9.76041	3.90E-08	1.24E-06	8.905323	8.361472	8.351949	8.345689	8.328907	8.322947	8.350696	8.351529	8.337087	8.338686	8.35957	8.233764	8.241039	8.254993	8.239802	8.27453	8.265746
CBFA2T3	cg0218782	-0.13169	7.631908	-9.76527	3.87E-08	1.24E-06	8.95513	8.232024	8.218895	8.233852	8.216385	8.220538	8.21554	8.224854	8.204629	8.208542	8.187567	8.098698	8.11823	8.093024	8.116871	8.137297	8.126192
CD4	cg1026632	-0.13096	7.810121	-7.40149	1.51E-06	2.15E-05	5.149895	8.353739	8.340804	8.342114	8.305883	8.330634	8.336327	8.356605	8.34908	8.324652	8.328958	8.237465	8.215272	8.221923	8.249164	8.266239	8.282959
PPP2R5C	cg0957281	-0.13094	7.74602	-14.7051	1.05E-10	1.57E-08	14.91771	8.299908	8.30336	8.302141	8.289637	8.296254	8.291563	8.294164	8.286546	8.286313	8.290225	8.186157	8.192182	8.193405	8.214089	8.196548	8.195187
PEA15	cg0417766	-0.13084	7.591324	-10.2833	1.89E-08	7.06E-07	9.692907	8.179531	8.193852	8.191009	8.190631	8.186525	8.169348	8.193005	8.194251	8.16382	8.18465	8.079981	8.095226	8.076529	8.098555	8.115645	8.096734
MAP3K4	cg1509749	-0.13081	7.889891	-10.8386	8.99E-09	3.91E-07	10.38816	8.381422	8.419897	8.395263	8.387195	8.420178	8.395179	8.405296	8.395555	8.38639	8.384958	8.291317	8.294626	8.293778	8.307783	8.287556	8.309914
JDP2	cg0959603	-0.13071	7.773592	-9.92536	3.09E-08	1.03E-06	9.15657	8.318683	8.324173	8.327103	8.321929	8.32077	8.300223	8.302296	8.33232	8.296922	8.298797	8.196744	8.20694	8.203344	8.230771	8.212183	8.2353
PRDM2	cg1656037	-0.13064	7.505056	-5.92727	2.14E-05	0.00018	2.511957	8.150589	8.144635	8.145672	8.125741	8.105925	8.127802	8.136021	8.14225	8.097234	8.109348	8.008933	7.998576	8.011522	8.073729	8.057076	8.048358
ADARB1	cg1957140	-0.13052	7.712347	-11.7023	3.01E-09	1.78E-07	11.54228	8.263191	8.265931	8.253839	8.264684	8.241591	8.263832	8.271176	8.277315	8.2652	8.282688	8.170849	8.193411	8.174731	8.202264	8.172556	8.176638
FOXP1	cg1318507	-0.13047	7.849231	-8.5754	2.25E-07	4.83E-06	7.09722	8.357144	8.38357	8.357831	8.390332	8.371352	8.399256	8.342887	8.36821	8.370534	8.357095	8.267353	8.287055	8.285133	8.249499	8.258539	8.243613
ST7	cg0402117	-0.13045	7.780712	-7.12017	2.45E-06	3.14E-05	4.666597	8.318251	8.346388	8.323694	8.372355	8.314469	8.303563	8.310055	8.332429	8.290835	8.302899	8.199761	8.212257	8.210839	8.201711	8.244223	8.226274
NEDD4L	cg0775107	-0.1297	7.90131	-8.75353	1.71E-07	3.91E-06	7.356041	8.41995	8.396164	8.39534	8.400208	8.362296	8.406696	8.416539	8.40364	8.399124	8.411696	8.281363	8.320263	8.308648	8.336616	8.31685	8.312192
CUX1	cg2442043	-0.12922	7.82174	-7.8982	6.61E-07	1.13E-05	5.997195	8.336203	8.319937	8.343642	8.354625	8.367722	8.362658	8.35784	8.331687	8.345035	8.344958	8.259785	8.256144	8.284802	8.240114	8.250525	8.218619
SRPX	cg0048277	-0.1291	7.459047	-6.75686	4.64E-06	5.24E-05	4.080505	8.106207	8.104734	8.110638	8.072815	8.093701	8.090075	8.102461	8.105945	8.068306	8.097344	8.003117	7.991265	7.970979	8.007323	8.046704	8.023419
SPTBN1	cg1233025	-0.12904	7.761081	-10.4366	1.53E-08	5.99E-07	9.874798	8.292684	8.289316	8.303851	8.297997	8.298344	8.30655	8.294949	8.303091	8.315287	8.306738	8.209633	8.243215	8.207277	8.198661	8.195474	8.223202
HIVEP3	cg1468520	-0.12904	7.825903	-7.05344	2.75E-06	3.46E-05	4.528899	8.345709	8.35226	8.349972	8.360534	8.316666	8.362766	8.363741	8.362602	8.351136	8.319733	8.246843	8.241285	8.247191	8.227482	8.282515	8.291258
RASSF5	cg0953517	-0.129	7.740723	-8.77685	1.65E-07	3.80E-06	7.44648	8.306792	8.29253	8.288116	8.293481	8.272479	8.28524	8.298887	8.291768	8.273256	8.283769	8.179088	8.193539	8.176342	8.183155	8.207968	8.231793
ZHX2	cg1267668	-0.12894	7.861389	-9.55	5.26E-08	1.56E-06	8.584781	8.389816	8.374793	8.38414	8.357238	8.349104	8.3734	8.376856	8.378313	8.38122	8.368299	8.276153	8.264682	8.266715	8.279309	8.309341	8.297948
SPTBN1	cg2481485	-0.12885	7.626533	-8.89629	1.38E-07	3.34E-06	7.656137	8.219446	8.221944	8.193884	8.190368	8.216922	8.202715	8.205472	8.228097	8.202863	8.197386	8.122587	8.119206	8.087542	8.127684	8.137616	8.119216
DAB2IP	cg1600155	-0.12874	7.647663	-9.69298	4.29E-08	1.33E-06	8.847075	8.237404	8.223963	8.230334	8.214383	8.206419	8.225349	8.235559	8.219739	8.216514	8.218365	8.108861	8.136849	8.117429	8.132337	8.146767	8.154416
SEMA3B	cg1491139	-0.12813	7.607465	-6.59653	6.19E-06	6.60E-05	3.758387	8.191263	8.196432	8.16445	8.188377	8.180141	8.19364	8.219022	8.229599	8.17121	8.18139	8.089531	8.087261	8.110412	8.102623	8.146231	8.132887
NDRG4	cg0075888	-0.12803	7.365005	-3.0634	0.007438	0.020635	-3.35369	8.060442	8.070639	8.060955	8.001817	8.000753	8.003207	8.049797	8.077882	8.001183	8.000506	7.888269	7.892481	7.908177	8.001748	8.001042	8.000698
FABP3	cg0892892	-0.12794	7.658457	-10.4554	1.49E-08	5.88E-07	9.920077	8.224135	8.224102	8.217704	8.214653	8.216517	8.238831	8.218801	8.24402	8.231144	8.243674	8.125754	8.167214	8.148463	8.136772	8.149399	8.14155
RNF111	cg1752876	-0.12787	7.846858	-7.4425	1.41E-06	2.03E-05	5.208162	8.377397	8.364016	8.357885	8.371686	8.348959	8.344258	8.379556	8.37631	8.349616	8.355844	8.278876	8.253694	8.240146	8.32038	8.274579	8.267672
ZHX2	cg0545951	-0.12779	7.468646	-4.8327	0.000184	0.001035	0.321936	8.107835	8.102615	8.131207	8.06742	8.079692	8.054176	8.12007	8.115695	8.102857	8.088606	7.988616	7.998485	7.984	8.070411	8.039577	8.044833
HSPB7	cg0985817	-0.12763	7.811109	-13.0264	6.33E-10	5.64E-08	13.10654	8.344214	8.32727	8.338195	8.330354	8.323436	8.333083	8.333597	8.335035	8.342061	8.352457	8.266873	8.240734	8.24078	8.247443	8.254285	8.242273
TSSC4	cg0673338	-0.12755	7.656077	-10.0531	2.59E-08	8.95E-07	9.362654	8.235488	8.22836	8.242599	8.259688	8.237898	8.23254	8.232601	8.21564	8.212802	8.225109	8.131665	8.133401	8.138206	8.118088	8.116665	8.15761
MCC	cg1881358	-0.12755	7.681448	-12.5965	1.03E-09	8.03E-08	12.62749	8.25309	8.239817	8.250358	8.260605	8.253492	8.252607	8.255398	8.240237	8.246682	8.227629	8.144418	8.154489	8.160336	8.156414	8.160823	8.141304
HBP1	cg0981939	-0.12741	7.874959	-7.05342	2.75E-06	3.46E-05	4.512793	8.397876	8.369625	8.395899	8.391829	8.416839	8.41056	8.385911	8.388308	8.339353	8.389978	8.27256	8.297049	8.287243	8.315262	8.250415	8.276593
TP53BP2	cg1651406	-0.12721	7.868808	-8.423	2.85E-07	5.87E-06	6.841543	8.378959	8.382142	8.380731	8.369482	8.330781	8.37921	8.397085	8.363855	8.381726	8.396435	8.290488	8.279376	8.282429	8.28985	8.290345	8.319301
TES	cg0547901	-0.12694	7.328575	-3.11697	0.006649	0.018827	-3.24136	8.043139	8.041382	8.043112	7.985884	7.970911	7.989144	8.022534	8.046433	7.981825	7.975357	7.881524	7.876861	7.863308	7.965704	7.992086	7.967033
SMARCA2	cg1391043	-0.12673	7.798047	-6.80412	4.27E-06	4.94E-05	4.087935	8.344904	8.342866	8.342667	8.31063	8.328665	8.301985	8.32589	8.334674	8.331514	8.319622	8.240069	8.219237	8.199437	8.279194	8.224036	8.259409
PCDHGC3	cg0010484	-0.12673	7.972538	-12.2169	1.61E-09	1.13E-07	12.12173	8.46177	8.463764	8.465342	8.451329	8.469326	8.467877	8.462865	8.429063	8.468379	8.440944	8.358813	8.358927	8.359178	8.346103	8.356763	8.358091
MADD	cg1827716	-0.12652	7.828139	-7.37861	1.57E-06	2.22E-05	5.103872	8.36102	8.361652	8.356075	8.339338	8.327912	8.338924	8.366802	8.34829	8.372441	8.316953	8.238601	8.25077	8.23712	8.267262	8.285604	8.27803
LATS1	cg0512761	-0.1265	7.810972	-6.14403	1.42E-05	0.00013	2.848401	8.332485	8.343679	8.339943	8.332158	8.315974	8.382082	8.353231	8.327678	8.310022	8.34992	8.22302	8.229901	8.275744	8.224655	8.282871	8.228729
PCDHGC3	cg1886948	-0.1265	7.871434	-13.0665	6.05E-10	5.60E-08	13.14343	8.387705	8.382719	8.392181	8.384009	8.383577	8.39749	8.371274	8.39352	8.371653	8.37088	8.289787	8.281034	8.272867	8.275952	8.30086	8.287815
RUNX3	cg1564334	-0.12625	7.869329	-9.29747	7.59E-08	2.07E-06	8.206672	8.375035	8.365808	8.402883	8.379843	8.370763	8.396966	8.362641	8.371921	8.386695	8.390479	8.279431	8.312021	8.291457	8.273374	8.270458	8.289156
TCF7L2	cg2264535	-0.12623	7.813493	-9.58218	5.02E-08	1.51E-06	8.648499	8.338692	8.337859	8.341604	8.341806	8.344107	8.368669	8.35075	8.350818	8.310222	8.329513	8.226423	8.245678	8.246398	8.262235	8.24829	8.237253
DDR2	cg0339856	-0.12611	7.781096	-8.20072	4.06E-07	7.73E-06	6.511707	8.313583	8.335175	8.324205	8.303128	8.287648	8.322617	8.321949	8.316254	8.309968	8.319054	8.195824	8.225623	8.220472	8.21683	8.245377	8.254615
THRB	cg1437056	-0.12604	7.601782	-3.8657	0.001373	0.005221	-1.72385	8.229815	8.207816	8.220274	8.180807	8.192083	8.188305	8.205045	8.230407	8.15192	8.144113	8.052609	8.062838	8.049558	8.125691	8.123689	8.161686
SRGAP3	cg0057833	-0.126	7.734329	-8.85265	1.47E-07	3.51E-06	7.56754	8.303844	8.300638	8.284834	8.282059	8.271856	8.300233	8.270593	8.290414	8.27753	8.27325	8.188349	8.186784	8.16623	8.172706	8.222053	8.195563
LRRC4	cg1508714	-0.12592	7.476286	-4.19659	0.000685	0.002969	-1.00386	8.114628	8.112286	8.140798	8.073845	8.102611	8.072898	8.12644	8.132178	8.091358	8.077391	7.960755	8.011103	7.990468	8.048951	8.066573	8.055648
SEPT4	cg2588503	-0.12568	7.801132	-11.1774	5.81E-09	2.85E-07	10.85814	8.343695	8.340966	8.329447	8.343701	8.328399	8.325772	8.332833	8.325968	8.325987	8.323031	8.235965	8.229092	8.230937	8.215873	8.261252	8.24667
ATF3	cg2670508	-0.12565	7.842782	-11.731	2.90E-09	1.74E-07	11.55507	8.369814	8.363096	8.36548	8.362229	8.349334	8.367575	8.368733	8.361067	8.365729	8.337712	8.251231	8.261981	8.264196	8.281859	8.268571	8.27546
TNFSF12	cg0025745	-0.12563	7.653006	-5.85765	2.44E-05	0.000201	2.345204	8.246442	8.243776	8.238596	8.229178	8.198097	8.217551	8.246747	8.231787	8.217588	8.198604	8.101925	8.120129	8.108479	8.1681	8.173468	8.143855
FOXP1	cg0639141	-0.12537	7.681972	-11.7091	2.98E-09	1.78E-07	11.55565	8.253706	8.240229	8.230556	8.250106	8.236962	8.24473	8.244356	8.238338	8.254246	8.253147	8.168175	8.172548	8.152471	8.155219	8.165636	8.14214

MYH9	cg1423902	-0.12509	7.39493	-7.03382	2.85E-06	3.56E-05	4.587156	8.063493	8.051582	8.06489	8.014877	8.038648	8.02514	8.050599	8.060282	8.057017	8.0566	7.971808	7.955373	7.947577	8.006125	7.978569	7.980938
NFATC2	cg1641917	-0.12471	7.611046	-5.87864	2.35E-05	0.000195	2.394794	8.207851	8.20894	8.202857	8.188226	8.183834	8.171837	8.210793	8.220281	8.171162	8.189253	8.088778	8.084079	8.086328	8.152381	8.146187	8.111205
JDP2	cg0182418	-0.12465	7.75662	-9.98884	2.83E-08	9.64E-07	9.250235	8.307997	8.29883	8.30745	8.283638	8.301112	8.28432	8.2958	8.286356	8.309682	8.302679	8.201285	8.211908	8.20799	8.189908	8.236521	8.210568
CBFA2T3	cg2695615	-0.12458	7.890223	-7.47111	1.34E-06	1.95E-05	5.242078	8.386185	8.434926	8.393929	8.396895	8.422818	8.359033	8.392504	8.389982	8.374893	8.407786	8.292149	8.296398	8.292296	8.298829	8.31372	8.30775
CBFA2T3	cg1668659	-0.12444	7.761434	-11.1309	6.16E-09	2.96E-07	10.80564	8.295192	8.296021	8.323462	8.296648	8.309751	8.31219	8.303106	8.301443	8.294434	8.297024	8.213964	8.193006	8.218289	8.218136	8.195488	8.222403
CAPG	cg1494756	-0.12443	7.654243	-11.0658	6.70E-09	3.15E-07	10.73807	8.226642	8.225946	8.230608	8.220203	8.232692	8.228056	8.211932	8.231103	8.226534	8.232119	8.148799	8.127588	8.144554	8.114297	8.148318	8.147347
NOTCH1	cg1169384	-0.12411	7.779672	-8.33877	3.26E-07	6.58E-06	6.737704	8.308805	8.343342	8.319496	8.291954	8.309591	8.322202	8.327667	8.308336	8.296765	8.321016	8.226695	8.202784	8.208661	8.231083	8.249858	8.228029
PPM1L	cg0900733	-0.1241	7.393521	-4.34305	0.000505	0.002316	-0.68649	8.01766	8.023247	8.014906	8.069372	8.05869	8.063819	8.061365	8.03089	8.053115	8.076324	8.011136	7.961115	8.032655	7.954129	7.953098	7.928889
RPS6KA2	cg1728067	-0.12395	7.753837	-8.56313	2.29E-07	4.90E-06	7.105099	8.289358	8.283705	8.299467	8.289572	8.31154	8.294877	8.314018	8.288428	8.290634	8.293516	8.21952	8.201423	8.205502	8.171943	8.21894	8.232398
TSPAN32	cg0121190	-0.12394	7.305658	-4.14685	0.00076	0.003236	-1.0908	7.958134	7.962583	7.960184	8.010223	8.007075	8.019915	7.976309	7.992262	8.003915	8.016363	7.93943	7.952734	7.962837	7.881853	7.87764	7.888208
TAGLN	cg0695073	-0.12385	7.781186	-8.33151	3.30E-07	6.63E-06	6.724301	8.317672	8.307977	8.32166	8.305106	8.306188	8.306903	8.324832	8.294969	8.325245	8.32714	8.251898	8.231652	8.206991	8.201131	8.255113	8.228461
LEFTY2	cg2485974	-0.12384	7.764785	-5.29138	7.34E-05	0.000488	1.184939	8.314979	8.318443	8.320788	8.282156	8.27687	8.294356	8.321575	8.319091	8.295626	8.284515	8.202203	8.166411	8.195604	8.225613	8.275409	8.235217
BMPR1A	cg2764126	-0.12377	7.886097	-7.58594	1.11E-06	1.67E-05	5.442275	8.408542	8.393754	8.392016	8.387936	8.387798	8.396959	8.403635	8.407279	8.357869	8.386408	8.262579	8.296117	8.288993	8.292969	8.323288	8.326173
PLEKHO1	cg1298119	-0.12376	7.784051	-7.32319	1.73E-06	2.38E-05	5.021651	8.321803	8.327759	8.330419	8.291055	8.300444	8.309822	8.331132	8.329251	8.318918	8.299524	8.209498	8.206605	8.212927	8.2494	8.244579	8.262386
LXN	cg0619017	-0.12356	7.847344	-5.72646	3.14E-05	0.000244	2.016674	8.330378	8.388688	8.332537	8.300342	8.351336	8.369937	8.374716	8.358206	8.410136	8.35002	8.307043	8.261668	8.278927	8.273449	8.289194	8.28924
NUMB	cg2508113	-0.12355	7.803838	-10.3902	1.63E-08	6.29E-07	9.801949	8.336177	8.337767	8.330345	8.337064	8.304748	8.358047	8.340986	8.329875	8.32725	8.321637	8.241201	8.237048	8.230579	8.247337	8.244231	8.245624
DDR2	cg2188088	-0.12351	7.742348	-11.9379	2.26E-09	1.45E-07	11.83038	8.280048	8.289287	8.298862	8.294651	8.298122	8.280067	8.286563	8.295799	8.293687	8.268734	8.205367	8.191493	8.189251	8.210499	8.196331	8.197042
LIMA1	cg0165017	-0.12349	7.618481	-5.86791	2.39E-05	0.000198	2.372894	8.212461	8.209751	8.224934	8.187263	8.195261	8.191371	8.201659	8.223635	8.184286	8.189579	8.091509	8.090985	8.09615	8.176689	8.112684	8.117278
ARHGEF12	cg1502889	-0.12345	7.580997	-6.08208	1.60E-05	0.000142	2.795513	8.166706	8.164931	8.147075	8.206399	8.197816	8.18634	8.168619	8.174892	8.185323	8.166242	8.093738	8.102288	8.131368	8.08094	8.065322	8.059786
FOXO3	cg0781001	-0.1233	7.858735	-8.99152	1.19E-07	3.00E-06	7.743946	8.363588	8.378501	8.369277	8.401707	8.37443	8.340942	8.377053	8.371942	8.376847	8.356778	8.280809	8.285483	8.271843	8.295669	8.265861	8.286052
PAX6	cg1503671	-0.12324	7.873299	-10.3075	1.83E-08	6.90E-07	9.667876	8.363304	8.387956	8.377971	8.395859	8.397401	8.384721	8.397621	8.374225	8.375526	8.371131	8.300768	8.301406	8.280298	8.270764	8.295123	8.290275
AKAP12	cg1206123	-0.12318	7.856234	-9.60305	4.87E-08	1.47E-06	8.663228	8.351581	8.375111	8.377548	8.35732	8.328695	8.366534	8.367471	8.378204	8.380006	8.373827	8.282611	8.277971	8.271731	8.27955	8.294812	8.304314
HACE1	cg1999280	-0.12314	7.871467	-6.28189	1.10E-05	0.000105	3.086227	8.405552	8.373408	8.39666	8.373538	8.384722	8.355055	8.352989	8.406174	8.35338	8.404979	8.262383	8.290366	8.282125	8.329318	8.291018	8.282058
MTUS1	cg1649381	-0.12314	7.762503	-8.52792	2.42E-07	5.09E-06	7.047035	8.303093	8.302228	8.295527	8.31014	8.303601	8.306707	8.31299	8.321613	8.266359	8.302654	8.212714	8.215482	8.185552	8.207685	8.228579	8.227581
CUX1	cg0524044	-0.12308	7.648411	-6.08714	1.58E-05	0.000141	2.78886	8.224804	8.226501	8.236061	8.186265	8.217191	8.199778	8.22373	8.224637	8.252764	8.202135	8.129066	8.12476	8.125467	8.112748	8.172274	8.174457
PHLPP2	cg0425850	-0.123	7.946275	-10.2638	1.94E-08	7.20E-07	9.58	8.406371	8.433786	8.419391	8.408949	8.45	8.420921	8.446914	8.429855	8.444919	8.444961	8.355645	8.343727	8.37029	8.348852	8.342621	8.342344
VPS53	cg0422183	-0.12297	7.82546	-8.6271	2.08E-07	4.58E-06	7.185274	8.353229	8.348302	8.360675	8.321142	8.340046	8.350108	8.348574	8.359335	8.356958	8.325534	8.234469	8.254839	8.246097	8.271909	8.282856	8.261767
IGF1	cg1424035	-0.12273	7.597945	-5.75362	2.98E-05	0.000235	2.154403	8.208935	8.184264	8.225443	8.181661	8.189985	8.159382	8.201622	8.187859	8.155045	8.191673	8.063535	8.088172	8.079627	8.113396	8.125494	8.125811
LRRC4	cg2617384	-0.12269	7.425015	-7.9726	5.86E-07	1.04E-05	6.202475	8.067448	8.026033	8.050613	8.049668	8.028745	8.073658	8.073888	8.091442	8.076744	8.090526	8.026682	7.992741	7.992967	7.996927	8.005049	7.992561
SH2B3	cg1028303	-0.12269	7.778791	-10.2273	2.04E-08	7.50E-07	9.58187	8.33853	8.314138	8.306908	8.307605	8.302255	8.332992	8.314337	8.310665	8.309956	8.309439	8.223145	8.217111	8.217493	8.2314	8.208105	8.242171
TCF7L2	cg1580745	-0.12268	7.773978	-5.96244	2.00E-05	0.000172	2.51242	8.315896	8.329023	8.315037	8.323255	8.346897	8.264856	8.31981	8.298835	8.305595	8.301406	8.226842	8.203942	8.206903	8.190123	8.261943	8.222498
CBFA2T3	cg0337377	-0.12241	7.670809	-9.51491	5.53E-08	1.62E-06	8.582079	8.238131	8.235004	8.230854	8.232252	8.240884	8.212917	8.242435	8.248996	8.249495	8.220905	8.141914	8.144966	8.156749	8.168193	8.13983	8.175324
RASSF2	cg2665048	-0.12239	7.583775	-5.4069	5.85E-05	0.000404	1.470363	8.2065	8.201273	8.201305	8.170933	8.166584	8.162388	8.18983	8.183323	8.153119	8.163482	8.057807	8.061044	8.058511	8.128984	8.117123	8.106351
CD82	cg2269723	-0.12233	7.866042	-7.9092	6.49E-07	1.12E-05	6.002267	8.380913	8.400026	8.387427	8.396678	8.402389	8.362754	8.364631	8.385181	8.344138	8.380291	8.266891	8.263242	8.291818	8.30037	8.297445	8.257767
FHL1	cg1223477	-0.12218	7.739852	-9.92078	3.11E-08	1.04E-06	9.156761	8.28527	8.277176	8.282787	8.270322	8.2733	8.295766	8.306991	8.291756	8.269885	8.285185	8.18311	8.195445	8.199237	8.200035	8.20828	8.222702
MLH1	cg1573137	-0.12214	7.885399	-6.10195	1.54E-05	0.000138	2.732798	8.396585	8.421928	8.372178	8.381493	8.376722	8.333361	8.379625	8.385843	8.394041	8.423725	8.304671	8.303231	8.287113	8.287386	8.332938	8.322686
BTK	cg0012669	-0.12157	7.770051	-6.6411	5.71E-06	6.18E-05	3.798357	8.320629	8.322619	8.306286	8.280199	8.314432	8.30327	8.323387	8.311814	8.317701	8.272026	8.178589	8.20851	8.22002	8.231097	8.243244	8.233962
KLK10	cg2738595	-0.12133	7.581767	-6.135	1.45E-05	0.000131	2.895946	8.19427	8.190738	8.172998	8.157659	8.155689	8.154289	8.197962	8.181872	8.157025	8.175629	8.067549	8.075023	8.06872	8.124884	8.121912	8.108963
CBFA2T3	cg2664254	-0.12132	7.621986	-6.18577	1.32E-05	0.000122	2.985844	8.214366	8.193242	8.235335	8.202187	8.223185	8.200489	8.21152	8.230904	8.171991	8.177789	8.090544	8.097164	8.095479	8.14273	8.134399	8.12278
IGF2R	cg1026944	-0.12132	7.724703	-4.74743	0.000219	0.001192	0.088287	8.297873	8.289998	8.282847	8.247455	8.302732	8.261421	8.299399	8.299864	8.244613	8.241579	8.150222	8.16185	8.152008	8.227317	8.213121	8.207639
WFDC1	cg2339938	-0.12108	7.639543	-9.36116	6.91E-08	1.94E-06	8.359562	8.212777	8.210719	8.201797	8.213965	8.213448	8.212132	8.2102	8.219624	8.226422	8.214335	8.140307	8.139653	8.130876	8.097694	8.136514	8.154156
MYH9	cg1074778	-0.12103	7.60861	-9.62913	4.70E-08	1.44E-06	8.759267	8.191972	8.187821	8.20219	8.186398	8.176264	8.164578	8.202769	8.190928	8.198572	8.20396	8.091725	8.108188	8.121859	8.123684	8.131814	8.113187
RAB7A	cg1825003	-0.12093	7.854115	-8.82541	1.53E-07	3.60E-06	7.488055	8.371228	8.366046	8.371126	8.384976	8.349316	8.366358	8.378919	8.35683	8.351551	8.377525	8.270593	8.301489	8.255668	8.296821	8.264046	8.281201
LHX6	cg0434952	-0.12092	7.574689	-9.74418	3.99E-08	1.27E-06	8.932556	8.17022	8.163728	8.169704	8.184784	8.174158	8.177755	8.165225	8.152087	8.176035	8.181462	8.099618	8.098178	8.095403	8.06843	8.076356	8.075421
CLU	cg2765636	-0.12073	7.217491	-5.37969	6.17E-05	0.000423	1.453203	7.927443	7.906134	7.924311	7.958027	7.957955	7.958402	7.924365	7.937475	7.938471	7.93994	7.872466	7.874709	7.89491	7.843341	7.820317	7.846511
CBFA2T3	cg0702745	-0.12068	7.864064	-8.66537	1.96E-07	4.35E-06	7.23332	8.384424	8.353429	8.393	8.379178	8.36277	8.392046	8.364466	8.361237	8.382509	8.379994	8.288672	8.305378	8.279489	8.298656	8.265127	8.267744
LEFTY1	cg0420455	-0.12065	7.832121	-5.55674	4.36E-05	0.000315	1.69228	8.365215	8.371163	8.373116	8.31839	8.346011	8.33802	8.363796	8.362007	8.334467	8.341589	8.235454	8.233836	8.236362	8.282	8.31681	8.27441
CUX1	cg1525526	-0.12051	7.849036	-7.77144	8.14E-07	1.32E-05	5.777254	8.371488	8.400846	8.381374	8.357623	8.386099	8.382349	8.346502	8.35872	8.327008	8.380346	8.25883	8.275108	8.250149	8.249758	8.270337	8.290623
G0S2	cg0988657	-0.12051	7.475731	-7.39577	1.53E-06	2.17E-05	5.217744	8.114376	8.086103	8.088303	8.095809	8.121636	8.116043	8.093323	8.093507	8.106889	8.120103	8.027798	8.04282	8.038572	7.992807	8.020729	8.011297
HSPB7	cg1593937	-0.12042	7.662393	-11.8907	2.39E-09	1.50E-07	11.78323	8.249231	8.22922	8.235561	8.234505	8.22979	8.237823	8.221369	8.236558	8.224595	8.227938	8.141503	8.149445	8.129159	8.135676	8.144508	8.159703
HIVEP3	cg1977846	-0.12025	7.364557	-5.00383	0.00013	0.00078	0.686229	8.005264	8.008334	8.024697	8.050246	8.046505	8.063713	8.005894	8.033508	8.040335	8.034373	7.981012	7.964205	7.983401	7.917141	7.925984	7.926637
PRKCD	cg2360071	-0.12019	7.652391	-5.95836	2.02E-05	0.000172	2.541399	8.238568	8.24528	8.240044	8.21138	8.218283	8.220697	8.248559	8.227906	8.204556	8.201628	8.121634	8.099397	8.113479	8.159767	8.154505	8.171551
ZHX2	cg1764048	-0.11975	7.866323	-8.06431	5.05E-07	9.11E-06	6.259264	8.384845	8.383821	8.363624	8.405092	8.370735	8.378273	8.375233	8.362286	8.387773	8.363117	8.276076	8.310939	8.287149	8.278739	8.254344	8.302292
PAX6	cg1661595	-0.11972	7.710157	-6.13621	1.44E-05	0.000131	2.866419	8.282523	8.267774	8.262068	8.223119	8.255186	8.237683	8.271435	8.279259	8.259225	8.268424	8.153543	8.167448	8.170906	8.184745	8.230648	8.201607
NEDD4L	cg1462982	-0.11956	7.380823	-4.62192	0.000284	0.00146	-0.10256	8.063331	8.066112	8.056578	8.033935	8.02161	8.031837	8.069608	8.048781	8.011999	8.020744	7.930679	7.909874	7.947145	7.988285	7.988274	7.990576
PTPN1	cg1820435	-0.11944	7.753984	-6.1434	1.42E-05	0.00013	2.868385	8.316431	8.315923	8.309002	8.29491	8.290941	8.274361	8.308649	8.295323	8.279023	8.283483	8.173809	8.19091	8.190992	8.206804	8.216637	8.260052
PYCARD	cg0873034	-0.11937	7.763432	-9.60475	4.86E-08	1.47E-06	8.693965	8.307997	8.300965	8.299778	8.276875	8.309123	8.31046	8.293293	8.31649	8.303652	8.294283	8.222155	8.223025	8.191554	8.215548	8.215599	8.231597
CBFA2T3	cg0632686	-0.11935	7.466563	-6.76043	4.61E-06	5.23E-05	4.08563	8.08225	8.072459	8.081245	8.109903	8.105098	8.103589	8.090336	8.091815	8.108742	8.109033	8.044531	8.038428	8.036825	7.99526	7.994895	8.008516
TSPAN32	cg1451096	-0.11924	7.61481	-5.57165	4.24E-05	0.000309	1.790621	8.233871	8.201819	8.221633	8.16063	8.175302	8.190253	8.189502	8.200807	8.184658	8.21612	8.097492	8.105993	8.079944	8.141508	8.13038	8.13499
CAPG	cg2020754	-0.11919	7.297085	-7.62711	1.03E-06	1.59E-05	5.630351	7.977732	7.997722	7.973058	7.969438	8.017101	7.997269	7.971391	7.991456	7.98306	7.994478	7.911154	7.920368	7.918046	7.911038	7.902475	7.885466
CREM	cg2128011	-0.11915	7.887909	-6.21591	1.24E-05	0.000117	2.951972	8.380674	8.350561	8.409964	8.392703	8.40585	8.393303	8.371924	8.395467	8.386016	8.415773	8.327722	8.329308	8.30392	8.310731	8.260604	8.298265
DUSP22	cg0569891	-0.11907	7.696964	-5.21904	8.48E-05	0.000551	1.06316	8.272244	8.272776	8.286174	8.223406	8.248528	8.236373	8.257536	8.270221	8.252634	8.233248	8.133915	8.151827	8.137055	8.194323	8.192282	8.20746
SGMS1	cg1381924	-0.11877	7.824586	-8.16651	4.28E-07	8.03E-06	6.442558	8.35978	8.347407	8.350131	8.371198	8.320556	8.331527	8.356713	8.344816	8.326965	8.347788	8.254135	8.251804	8.236333	8.279501	8.271615	8.255582
AXIN2	cg0923174	-0.1187	7.505773	-6.81355	4.20E-06	4.87E-05	4.177247	8.104175	8.108792	8.119552	8.123354	8.128489	8.132358	8.103844	8.121422	8.13928	8.137425	8.072784	8.06359	8.050074	8.014745	8.048983	8.019695
MCPH1	cg1122706	-0.11857	7.957553	-7.44919	1.39E-06	2.01E-05	5.173704	8.43999	8.444343	8.449936	8.4628	8.410352	8.445972	8.422931	8.446062	8.467431	8.430021	8.363751	8.344669	8.360576	8.3585	8.32146	8.373371
HIPK2	cg2454073	-0.11854	7.970057	-10.9854	7.43E-09	3.37E-07	10.55768	8.469087	8.454734	8.4402	8.443551	8.43365	8.453487	8.447772	8.440656	8.468784	8.451584	8.368967	8.367137	8.355478	8.359202	8.356853	8.37696
RNH1	cg1446869	-0.11852	7.873002	-7.96945	5.89E-07	1.04E-05	6.095515	8.348674	8.380019	8.371924	8.391484	8.359184	8.384082	8.42	8.357116	8.380038	8.380759	8.294074	8.302704	8.305664	8.296479	8.292807	8.295056
RPS6KA2	cg0094938	-0.11838	7.721257	-6.89304	3.65E-06	4.34E-05	4.275458	8.282084	8.291996	8.275201	8.272951	8.226723	8.273206	8.263721	8.272253	8.282867	8.269631	8.172744	8.171934	8.190634	8.17214	8.218861	8.202695
PTPRD	cg0565715	-0.11826	7.481264	-4.34158	0.000507	0.00232	-0.70014	8.12561	8.118397	8.126569	8.091089	8.101438	8.075127	8.123228	8.132494	8.084594	8.087448	7.970218	7.998371	8.01801	8.072315	8.04268	8.062237
ALPL	cg1746010	-0.11824	7.499306	-7.26653	1.90E-06	2.56E-05	4.9889	8.109613	8.109373	8.111067	8.139962	8.133947	8.119026	8.104977	8.110063	8.130856	8.124962	8.04627	8.064608	8.054354	8.023296	8.012115	8.025619
TCF7L2	cg1501812	-0.11818	7.794593	-7.16917	2.25E-06	2.93E-05	4.748669	8.321669	8.339223	8.343474	8.349157	8.313741	8.321944	8.334352	8.330585	8.314983	8.294381	8.210702	8.232363	8.217938	8.219882	8.258092	8.263096
RPS6KA2	cg2672504	-0.11815	7.651043	-6.55222	6.71E-06	7.04E-05	3.670274	8.229398	8.226956	8.231322	8.232523	8.281873	8.22515	8.229043	8.230329	8.192499	8.200278	8.111759	8.139918	8.130843	8.117889	8.124889	8.158585
RASSF5	cg0258969	-0.11815	7.237814	-3.271	0.004811	0.014546	-2.92143	7.973701	7.982037	7.970971	7.914159	7.922743	7.92002	7.973437	7.971603	7.924517	7.928486	7.834997	7.82729	7.829876	7.917159	7.914092	7.923509
FOXP1	cg1421798	-0.11808	7.598286	-9.88045	3.29E-08	1.08E-06	9.12578	8.190857	8.200912	8.197193	8.18673	8.184487	8.219378	8.178501	8.1779	8.182337	8.179095	8.093429	8.10786	8.094287	8.102888	8.112367	8.076866
EGR2	cg1167538	-0.11804	7.88934	-9.09356	1.03E-07	2.64E-06	7.889751	8.39187	8.406873	8.408041	8.385086	8.372688	8.390682	8.383387	8.390689	8.398973	8.391777	8.284477	8.310924	8.296283	8.296448	8.304655	8.336064
ALOX15B	cg1579926	-0.11799	7.681886	-12.2784	1.50E-09	1.06E-07	12.25111	8.242033	8.252666	8.236564	8.253434	8.250574	8.238557	8.237829	8.237736	8.243003	8.251717	8.174072	8.163014	8.15651	8.153243	8.150707	8.15984
PRKCD	cg0080077	-0.11783	6.921171	-4.24394	0.000621	0.00274	-0.98922	7.751671	7.76619	7.741328	7.723212	7.722064	7.751862	7.744569	7.731533	7.805436	7.783516	7.701029	7.744714	7.671782	7.683085	7.706944	7.673288
EPB41L3	cg1927526	-0.11741	7.531582	-2.64512	0.01766	0.041496	-4.21201	8.014258	8.190213	8.174705	8.107551	8.141353	8.168834	8.166929	8.082605	8.167221	8.164499	8.031888	8.121688	8.093194	8.04521	8.043267	8.055321
MTSS1	cg2606906	-0.11731	7.747195	-10.5624	1.30E-08	5.22E-07	10.05037	8.296524	8.289317	8.292103	8.293419	8.280965	8.263012	8.301	8.287517	8.283949	8.293998	8.201925	8.197596	8.197504	8.210896	8.218064	8.221555
PDS5B	cg0422714	-0.1173	7.911722	-12.1065	1.84E-09	1.24E-07	12.00236	8.413962	8.413167	8.40623	8.402599	8.40674	8.426877	8.409145	8.40893	8.412969	8.391243	8.316035	8.324083	8.312549	8.335493	8.318477	8.309468
EMP2	cg0291200	-0.11729	7.40709	-4.2483	0.000615	0.002724	-0.88574	8.076249	8.077135	8.074741	8.043165	8.032427	8.043053	8.076468	8.081808	8.01681	8.053306	7.933509	7.950491	7.956796	8.016509	7.998785	8.020141
NFATC1	cg1360816	-0.11722	7.850282	-8.61338	2.12E-07	4.65E-06	7.154775	8.35236	8.362583	8.360662	8.370674	8.383994	8.337163	8.364279	8.361524	8.359538	8.371919	8.276767	8.285765	8.287288	8.258997	8.262206	8.303568
STARD13	cg1693074	-0.11709	7.790548	-8.40392	2.94E-07	6.03E-06	6.841753	8.328338	8.323241	8.325408	8.352047	8.318771	8.346877	8.305555	8.316199	8.294346	8.335659	8.236644	8.239541	8.236856	8.219034	8.236566	8.204818
ZHX2	cg1375829	-0.11699	7.789855	-11.3986	4.39E-09	2.30E-07	11.14608	8.334029	8.328339	8.327406	8.326187	8.319207	8.313131	8.311423	8.298296	8.327729	8.329436	8.228783	8.241725	8.23569	8.226779	8.235404	8.227504
LSAMP	cg1624708	-0.11694	7.637259	-6.62442	5.89E-06	6.34E-05	3.806021	8.238686	8.231638	8.224689	8.215797	8.205852	8.206687	8.227545	8.202191	8.219037	8.181702	8.12392	8.107755	8.096359	8.139231	8.162108	8.127598
TOM1L2	cg1593921	-0.11671	7.682642	-7.77651	8.07E-07	1.31E-05	5.833199	8.257992	8.25257	8.244783	8.227107	8.254073	8.213003	8.251555	8.242907	8.238903	8.24795	8.14879	8.153007	8.151096	8.156935	8.175182	8.193944
ETS2	cg0428461	-0.11661	7.811499	-10.6188	1.20E-08	4.91E-07	10.11389	8.353569	8.347694	8.340961	8.333076	8.349409	8.331482	8.317674	8.336678	8.330414	8.33736	8.230911	8.259817	8.240896	8.248972	8.262305	8.235777
RECK	cg0296478	-0.11656	7.848205	-10.8591	8.76E-09	3.85E-07	10.42526	8.338484	8.349284	8.370392	8.357477	8.341208	8.3604	8.351793	8.372634	8.37699	8.365264	8.294957	8.273684	8.286762	8.280901	8.274752	8.27981
DAPK1	cg1396443	-0.11653	7.373519	-11.376	4.51E-09	2.33E-07	11.16046	8.042326	8.024227	8.027698	8.028367	8.012315	8.033055	8.029525	8.041417	8.045585	8.041156	7.957205	7.964507	7.96305	7.955465	7.970115	7.964937
JDP2	cg0608806	-0.11641	7.354201	-5.8666	2.40E-05	0.000199	2.410263	8.034654	8.024519	8.038483	8.011401	7.997188	7.991525	8.036865	8.024377	8.010375	8.033748	7.933724	7.937488	7.920132	7.984602	7.97522	7.948694
RB1CC1	cg1597381	-0.11631	7.82215	-12.3564	1.37E-09	9.95E-08	12.32439	8.336884	8.343109	8.355147	8.359375	8.357922	8.344496	8.352926	8.339379	8.325391	8.336512	8.249777	8.255783	8.256085	8.25814	8.253031	8.254132
NR2C2	cg0806431	-0.11627	7.848267	-13.2961	4.68E-10	4.56E-08	13.4061	8.365781	8.363452	8.365267	8.352829	8.354876	8.366779	8.367959	8.362403	8.362947	8.352341	8.267254	8.274419	8.270519	8.27638	8.281172	8.291576
CUX1	cg1401292	-0.11619	7.637155	-7.29311	1.82E-06	2.48E-05	5.010076	8.210491	8.225747	8.181259	8.230129	8.210996	8.225744	8.201454	8.209172	8.210857	8.222692	8.132119	8.156916	8.137828	8.103391	8.13414	8.11594
TSPAN32	cg0400619	-0.11618	7.675879	-9.40173	6.52E-08	1.84E-06	8.415575	8.25869	8.246728	8.242289	8.253558	8.263946	8.238647	8.24598	8.237841	8.223002	8.221712	8.142132	8.16627	8.126557	8.156971	8.158868	8.152877
RASL10A	cg0857985	-0.11615	7.840874	-5.81083	2.67E-05	0.000216	2.192164	8.359973	8.375385	8.359334	8.365888	8.378749	8.341539	8.35537	8.37657	8.371028	8.304112	8.250308	8.256429	8.261641	8.260094	8.315532	8.260844
FOXP1	cg2373887	-0.11606	7.843234	-8.3816	3.05E-07	6.19E-06	6.785275	8.350337	8.345436	8.375005	8.363169	8.340907	8.339931	8.37186	8.352472	8.359116	8.360381	8.289108	8.258975	8.264806	8.270915	8.310447	8.265363
MCC	cg1443558	-0.11598	7.665148	-11.8805	2.42E-09	1.50E-07	11.77024	8.231478	8.234796	8.224031	8.244469	8.234564	8.242676	8.233921	8.22377	8.230311	8.228951	8.14108	8.154873	8.163415	8.146769	8.137782	8.143651
DOK1	cg1300476	-0.11597	7.770047	-12.9399	6.98E-10	5.89E-08	13.01392	8.306282	8.302119	8.297288	8.305937	8.302083	8.312115	8.307569	8.297331	8.313151	8.305648	8.235758	8.227843	8.21862	8.210986	8.218543	8.225268
MCPH1	cg2494874	-0.11586	7.875097	-5.48471	5.02E-05	0.000355	1.525763	8.355474	8.390307	8.361436	8.375515	8.324377	8.417074	8.375001	8.393428	8.370637	8.4085	8.309457	8.272631	8.335843	8.297544	8.303896	8.293381
SYNM	cg0496076	-0.11581	7.822176	-10.4773	1.45E-08	5.75E-07	9.916834	8.351097	8.353832	8.337183	8.338284	8.325202	8.339771	8.346896	8.344127	8.346019	8.337012	8.235502	8.266985	8.25199	8.261714	8.270334	8.27179
PRDM11	cg0108163	-0.1158	7.80275	-6.11052	1.51E-05	0.000136	2.788706	8.343454	8.353752	8.352557	8.330125	8.334102	8.306648	8.347023	8.322718	8.310427	8.314863	8.214628	8.231352	8.209221	8.255917	8.284061	8.247347
MOB1B	cg1609116	-0.11572	7.864312	-8.95249	1.27E-07	3.14E-06	7.679537	8.347982	8.370048	8.36872	8.364312	8.395156	8.33738	8.387354	8.375977	8.371954	8.377968	8.301677	8.283712	8.294553	8.284255	8.302016	8.296654
FBLN1	cg0841480	-0.11561	7.828257	-6.84583	3.96E-06	4.65E-05	4.152076	8.35373	8.344316	8.342784	8.378859	8.306311	8.321737	8.366873	8.350454	8.334603	8.349041	8.255121	8.262681	8.244935	8.276923	8.279885	8.278957
CYGB	cg1143467	-0.1156	7.424277	-6.9336	3.39E-06	4.10E-05	4.405258	8.053027	8.075162	8.040201	8.071794	8.093325	8.085789	8.071104	8.067172	8.068011	8.062379	8.019734	7.986009	8.00265	7.976501	7.976929	7.979381
GLTSCR2	cg2711065	-0.1154	7.726354	-10.55	1.32E-08	5.29E-07	10.03804	8.28494	8.284571	8.265408	8.263789	8.265525	8.261481	8.278858	8.256106	8.285291	8.284689	8.185137	8.201609	8.191092	8.193113	8.197025	8.197146
PTPN1	cg0648231	-0.11528	7.627952	-7.44182	1.41E-06	2.03E-05	5.269965	8.190212	8.212401	8.18523	8.192818	8.198761	8.187412	8.21689	8.21712	8.200153	8.214806	8.098341	8.14733	8.134222	8.148848	8.154869	8.107581
CTNNBIP1	cg1282091	-0.11516	7.346758	-3.55835	0.002625	0.00888	-2.32896	8.044655	8.046568	8.038635	7.99272	8.00389	7.979555	8.02248	8.044973	7.999218	8.002887	7.889892	7.942264	7.885794	7.986419	7.975606	7.973564
TP53INP1	cg0818517	-0.11506	7.826826	-7.95689	6.01E-07	1.06E-05	6.094291	8.350898	8.353155	8.360189	8.346111	8.344449	8.325663	8.343792	8.359329	8.33481	8.342229	8.248362	8.238754	8.258853	8.248756	8.281332	8.294485
TOM1L2	cg1368185	-0.11491	7.888326	-6.53884	6.87E-06	7.14E-05	3.559455	8.402029	8.39852	8.393482	8.369217	8.345133	8.3771	8.388067	8.409801	8.390327	8.394575	8.300721	8.292687	8.279573	8.322492	8.331241	8.341755
SPARCL1	cg0039940	-0.11486	7.546435	-7.32665	1.72E-06	2.37E-05	5.086158	8.140607	8.140642	8.126976	8.154349	8.156257	8.145783	8.147946	8.150827	8.160518	8.152833	8.048075	8.104172	8.100611	8.067899	8.061385	8.064194
DAB2IP	cg2715967	-0.11485	7.309399	-9.07918	1.05E-07	2.69E-06	7.969443	7.97907	7.994901	7.98656	7.994202	7.962458	7.981531	7.991519	7.99155	8.004222	8.010323	7.910749	7.929289	7.93836	7.926546	7.912937	7.930273
TNFAIP8L2	cg1435566	-0.11475	7.220649	-7.89786	6.61E-07	1.13E-05	6.088595	7.924867	7.945004	7.940297	7.946725	7.955893	7.954287	7.949632	7.917984	7.940616	7.921749	7.875931	7.865834	7.856331	7.839198	7.86986	7.851137
NFATC1	cg1570266	-0.1146	7.485861	-6.85532	3.90E-06	4.59E-05	4.256464	8.126814	8.122749	8.110411	8.086771	8.120869	8.089651	8.116338	8.109268	8.107885	8.100124	8.013744	8.018597	8.01942	8.054232	8.019255	8.060894
LIMD1	cg1374548	-0.11459	7.39193	-4.62794	0.00028	0.001447	-0.09111	8.041436	8.027345	8.0427	8.066483	8.064487	8.060426	8.018384	8.030876	8.055713	8.072993	7.969082	8.002951	8.013563	7.957832	7.929716	7.939838
NFATC1	cg0211338	-0.11459	7.679115	-5.95568	2.03E-05	0.000172	2.52992	8.263861	8.250653	8.269691	8.233896	8.227022	8.236352	8.251171	8.248336	8.227663	8.222194	8.141441	8.123502	8.133433	8.167753	8.183028	8.191755
MCC	cg0183351	-0.11451	7.586287	-6.85227	3.92E-06	4.61E-05	4.232748	8.194078	8.176088	8.184904	8.14976	8.173282	8.161888	8.180568	8.185223	8.157344	8.192109	8.08053	8.084117	8.089437	8.098022	8.110377	8.135816
CEBPD	cg2566102	-0.1145	7.133202	-5.84387	2.51E-05	0.000205	2.364963	7.905133	7.88753	7.879037	7.861287	7.883171	7.883346	7.879407	7.913429	7.872891	7.864042	7.795753	7.792577	7.794386	7.837673	7.83879	7.808758
HBP1	cg1084036	-0.11442	6.932286	-11.0651	6.70E-09	3.15E-07	10.71376	7.759278	7.758894	7.763504	7.759857	7.773827	7.749587	7.76158	7.771528	7.765094	7.758732	7.693025	7.686924	7.707186	7.689245	7.704134	7.700001
SEPT4	cg0180623	-0.11438	7.650123	-8.54038	2.38E-07	5.03E-06	7.093997	8.213199	8.226802	8.214245	8.225855	8.215924	8.242788	8.207159	8.21758	8.2203	8.231785	8.162694	8.156629	8.126721	8.122595	8.136912	8.129834
AKT1	cg1377482	-0.1143	7.489089	-8.46072	2.69E-07	5.57E-06	6.993013	8.111197	8.128999	8.128433	8.105113	8.099277	8.10704	8.11656	8.109303	8.104114	8.1078	8.010487	8.035862	8.012762	8.042709	8.048662	8.042767
DLEC1	cg1272667	-0.1142	7.789302	-9.5217	5.48E-08	1.61E-06	8.566189	8.327111	8.315662	8.331717	8.333564	8.322745	8.314444	8.330467	8.322438	8.293696	8.314158	8.217526	8.231209	8.224377	8.240754	8.230208	8.254702

FAM188A	cg0765957	-0.11418	7.900208	-9.00064	1.18E-07	2.97E-06	7.745506	8.400745	8.41525	8.427133	8.410945	8.393406	8.415505	8.389982	8.402398	8.370916	8.40248	8.296889	8.306526	8.297493	8.33667	8.301895	8.307061
FHL1	cg1429569	-0.11417	7.719814	-9.93107	3.07E-08	1.03E-06	9.177809	8.283921	8.278134	8.276964	8.276906	8.275115	8.263553	8.267549	8.251934	8.273957	8.268341	8.194023	8.180151	8.17939	8.168209	8.209406	8.175959
MYH9	cg0534890	-0.11405	7.716124	-8.30204	3.45E-07	6.84E-06	6.697304	8.278012	8.298752	8.257135	8.253338	8.253945	8.285713	8.265846	8.267207	8.265045	8.257984	8.172777	8.164869	8.186166	8.19596	8.195801	8.183704
NFKB1	cg1828461	-0.11405	7.846388	-8.15377	4.37E-07	8.17E-06	6.412003	8.363243	8.372162	8.358135	8.339984	8.339406	8.342859	8.367243	8.368047	8.362498	8.356714	8.252602	8.274618	8.268631	8.281466	8.310843	8.29571
ZHX2	cg0135761	-0.11389	7.3325	-4.01454	0.001004	0.004045	-1.37013	8.020253	8.0222	8.027518	7.969577	7.994088	8.016128	8.030895	8.034651	7.98233	7.983347	7.887593	7.9216	7.896859	7.974314	7.954396	7.966677
NCOA4	cg0592690	-0.11385	7.528466	-11.1787	5.80E-09	2.85E-07	10.89893	8.124719	8.151484	8.131841	8.140121	8.138488	8.146935	8.13038	8.148496	8.126587	8.139617	8.05607	8.059894	8.059014	8.052113	8.059058	8.06556
FBXO25	cg0317600	-0.11378	7.742806	-5.73736	3.07E-05	0.000241	2.082038	8.301928	8.292618	8.295687	8.27542	8.261671	8.255167	8.302859	8.287823	8.262725	8.300539	8.177338	8.199818	8.178994	8.245694	8.210944	8.23131
FABP3	cg1859532	-0.11368	7.791689	-8.66304	1.97E-07	4.36E-06	7.252379	8.324955	8.331303	8.320158	8.314889	8.292175	8.314034	8.325379	8.326575	8.335657	8.302314	8.22288	8.233041	8.229485	8.247277	8.257145	8.253828
ATF3	cg2353414	-0.11363	7.701137	-9.33166	7.22E-08	2.01E-06	8.306016	8.274657	8.268867	8.2676	8.278458	8.245552	8.252746	8.25414	8.260975	8.245534	8.242973	8.149321	8.167582	8.16329	8.182178	8.181376	8.180374
MRVI1	cg0581964	-0.11353	7.293362	-7.94997	6.08E-07	1.07E-05	6.174297	7.967799	7.963306	7.989356	7.977092	7.969877	7.975352	7.988923	8.002955	7.971238	7.989137	7.890261	7.911705	7.92454	7.904335	7.937844	7.918371
MCPH1	cg0708939	-0.11323	7.829147	-7.85074	7.14E-07	1.20E-05	5.915422	8.347888	8.337183	8.364061	8.347904	8.364026	8.331488	8.338927	8.343222	8.329341	8.371465	8.276979	8.247323	8.273919	8.250482	8.284106	8.249294
APC	cg0262641	-0.11307	7.401149	-9.78376	3.77E-08	1.21E-06	9.006435	8.047609	8.067857	8.04736	8.04569	8.050378	8.02743	8.050512	8.057766	8.050381	8.061811	7.976199	7.978306	7.967325	7.992759	7.980591	7.985086
LRMP	cg2050747	-0.11299	7.847303	-10.77	9.84E-09	4.17E-07	10.30735	8.361993	8.367695	8.340069	8.358594	8.365486	8.350892	8.351331	8.377212	8.354867	8.361852	8.276411	8.290051	8.267193	8.274405	8.2789	8.287686
SGMS1	cg1018879	-0.11296	7.5059	-3.7029	0.001935	0.006907	-2.04856	8.095199	8.087881	8.090093	8.100164	8.146407	8.094764	8.124476	8.085779	8.182492	8.142505	8.102361	8.065039	8.094677	8.001324	8.048638	8.028888
NR4A1	cg0324005	-0.11287	7.461933	-8.30444	3.44E-07	6.83E-06	6.744966	8.112981	8.101814	8.104059	8.084008	8.10082	8.095451	8.093514	8.079312	8.08682	8.092275	8.016168	8.006092	7.997099	7.992443	8.041283	8.020264
FOXP1	cg0146329	-0.11256	7.542309	-7.12705	2.42E-06	3.10E-05	4.735986	8.149401	8.149059	8.137974	8.156152	8.181017	8.126564	8.166161	8.133696	8.139066	8.137504	8.070082	8.045552	8.08776	8.075351	8.062569	8.061432
RHOA	cg2732356	-0.11256	7.779107	-9.74155	4.00E-08	1.27E-06	8.890129	8.311228	8.329067	8.320838	8.317486	8.294325	8.30646	8.301156	8.309406	8.315574	8.31159	8.21599	8.23585	8.220039	8.223389	8.225403	8.251245
RUNX3	cg1375992	-0.11243	7.712388	-6.86621	3.82E-06	4.51E-05	4.229107	8.267323	8.262752	8.260513	8.256664	8.264656	8.247632	8.29781	8.262884	8.254767	8.248149	8.167943	8.182562	8.165426	8.176241	8.223277	8.201481
DOK3	cg0845541	-0.11242	7.591234	-8.90928	1.35E-07	3.30E-06	7.683111	8.179298	8.179305	8.195049	8.185608	8.200573	8.16785	8.183717	8.19159	8.169124	8.161936	8.093996	8.088042	8.088329	8.09654	8.110544	8.115982
CUX1	cg1682904	-0.11236	7.686671	-6.43651	8.28E-06	8.30E-05	3.443774	8.233723	8.250084	8.250886	8.255578	8.256006	8.235519	8.235551	8.222586	8.23554	8.285738	8.191601	8.167669	8.176113	8.135705	8.168585	8.15385
PRDM11	cg1249137	-0.11235	7.841997	-7.16774	2.26E-06	2.93E-05	4.727578	8.374317	8.371135	8.364806	8.354041	8.330469	8.341381	8.36331	8.358984	8.351142	8.349738	8.246627	8.261471	8.258143	8.288933	8.284653	8.305239
ING5	cg0346446	-0.11224	7.765699	-9.72126	4.12E-08	1.30E-06	8.86381	8.304621	8.309371	8.312382	8.294451	8.292077	8.297146	8.309303	8.301358	8.293409	8.299798	8.198584	8.221858	8.210089	8.231659	8.218204	8.243232
MAP2K4	cg1584460	-0.1122	7.851666	-8.59964	2.17E-07	4.70E-06	7.134474	8.384918	8.368702	8.373793	8.357426	8.363282	8.366047	8.368424	8.369502	8.362387	8.33609	8.260055	8.261181	8.268247	8.301098	8.285334	8.288946
PAFAH1B1	cg1226331	-0.1122	7.879301	-3.68345	0.002016	0.007148	-2.21598	8.359522	8.368794	8.39357	8.284895	8.393914	8.39091	8.396685	8.406847	8.373789	8.396636	8.291057	8.291057	8.310271	8.286755	8.294355	8.394818
THRA	cg1044227	-0.11209	7.572647	-10.1967	2.12E-08	7.69E-07	9.575189	8.164634	8.162143	8.177459	8.169455	8.158254	8.172717	8.164287	8.155917	8.174972	8.170478	8.10112	8.097421	8.078291	8.10042	8.072911	8.085096
DAB2IP	cg0898046	-0.11202	7.302381	-4.02769	0.000976	0.003959	-1.34047	8.023864	8.004325	8.01807	7.974917	7.958526	7.976707	8.002654	7.997439	7.972653	7.968901	7.8757	7.881257	7.88567	7.96395	7.933636	7.937935
JDP2	cg0229206	-0.11175	7.844574	-7.84405	7.22E-07	1.21E-05	5.900497	8.386765	8.368545	8.372784	8.376558	8.35346	8.349061	8.356193	8.363291	8.332316	8.353865	8.251923	8.260275	8.255006	8.269955	8.289611	8.295017
BHLHE41	cg2562990	-0.1114	7.644061	-5.7446	3.03E-05	0.000239	2.123568	8.16892	8.202874	8.196913	8.216515	8.221553	8.217306	8.220397	8.216051	8.237436	8.217138	8.142525	8.151732	8.192203	8.128295	8.112809	8.141188
PRODH	cg2363441	-0.11103	7.747397	-10.4174	1.57E-08	6.10E-07	9.851975	8.277226	8.300232	8.281919	8.296086	8.269204	8.277734	8.286733	8.293845	8.279944	8.301367	8.201329	8.204066	8.219463	8.210701	8.221059	8.210274
ATF3	cg0832647	-0.11102	7.893522	-7.52057	1.24E-06	1.82E-05	5.328072	8.394383	8.412648	8.386683	8.410497	8.391401	8.428296	8.401455	8.40048	8.366223	8.376559	8.302562	8.306247	8.294294	8.283677	8.332637	8.309785
PRDM11	cg1358041	-0.11101	7.54594	-6.48183	7.62E-06	7.74E-05	3.559093	8.156606	8.149786	8.163074	8.130533	8.124121	8.140445	8.151536	8.143673	8.18332	8.125557	8.061922	8.064552	8.066424	8.089494	8.101347	8.065287
CYGB	cg1774611	-0.11099	7.797983	-11.4288	4.22E-09	2.24E-07	11.18312	8.33068	8.31845	8.331748	8.326741	8.324322	8.339819	8.320391	8.331558	8.312013	8.320284	8.224644	8.248718	8.24448	8.243384	8.234415	8.251124
PAX6	cg0849904	-0.11093	7.895721	-10.7207	1.05E-08	4.39E-07	10.22653	8.39663	8.386704	8.398243	8.381678	8.380156	8.405009	8.400915	8.382675	8.40684	8.394455	8.310766	8.317709	8.316783	8.297877	8.327817	8.317555
ZBTB7C	cg2116545	-0.11084	7.379093	-2.84406	0.011737	0.029844	-3.79613	8.059979	8.085242	8.069562	8.036262	8.019615	8.000766	8.066954	8.05791	7.999418	8.00734	7.901765	7.913305	7.924625	7.9997	8.036348	7.984985
TGFBR3	cg1472363	-0.11082	7.705107	-7.31418	1.75E-06	2.41E-05	5.030287	8.262782	8.26635	8.249251	8.232505	8.238325	8.256374	8.27578	8.266725	8.24916	8.257986	8.176729	8.155024	8.176642	8.216063	8.18068	8.198177
NRF1	cg1325159	-0.1108	7.693534	-6.758	4.63E-06	5.24E-05	4.038819	8.270616	8.266566	8.244941	8.265237	8.263085	8.239672	8.245935	8.266972	8.226296	8.24078	8.144569	8.163343	8.160368	8.145827	8.195022	8.192079
SGMS1	cg1876813	-0.11076	7.86985	-4.85197	0.000177	0.001004	0.244656	8.398108	8.386848	8.373651	8.389276	8.351421	8.364646	8.393682	8.398618	8.377724	8.328589	8.268974	8.271304	8.267159	8.292572	8.347349	8.314861
PER2	cg0367139	-0.1107	7.681479	-9.3827	6.70E-08	1.89E-06	8.386335	8.247837	8.250326	8.25154	8.251384	8.248391	8.275006	8.234797	8.239808	8.232203	8.229247	8.146644	8.172767	8.154277	8.137168	8.17359	8.152751
IGF1	cg2558759	-0.11069	7.694604	-5.42563	5.63E-05	0.000391	1.482439	8.275335	8.276538	8.270076	8.23583	8.269477	8.26913	8.26419	8.262859	8.211816	8.227546	8.141238	8.132264	8.147323	8.179136	8.202047	8.179536
ALOX15B	cg0871716	-0.11069	7.732046	-12.9919	6.58E-10	5.68E-08	13.07812	8.274989	8.278995	8.277336	8.27353	8.279075	8.278048	8.274949	8.286133	8.274533	8.272384	8.197482	8.188957	8.200695	8.18847	8.205098	8.208603
HSPB7	cg0326078	-0.11064	7.529122	-6.97837	3.14E-06	3.85E-05	4.472836	8.154666	8.157347	8.151535	8.123314	8.135782	8.133693	8.134805	8.148978	8.126571	8.123335	8.032582	8.043312	8.044018	8.07321	8.070734	8.084139
ZC3H10	cg2626134	-0.11055	6.906397	-3.71282	0.001895	0.006787	-2.11864	7.767859	7.764103	7.722072	7.731011	7.738185	7.682268	7.727798	7.773855	7.746242	7.772831	7.690704	7.652434	7.684447	7.72742	7.671827	7.714629
TGFBR3	cg1896935	-0.1105	7.849128	-6.88051	3.73E-06	4.42E-05	4.208033	8.37861	8.34343	8.347919	8.329834	8.36569	8.397829	8.351604	8.377133	8.354561	8.35877	8.270168	8.289611	8.285415	8.279068	8.264816	8.291519
PTPN6	cg2486071	-0.11043	7.787999	-9.29801	7.58E-08	2.07E-06	8.233095	8.331431	8.320825	8.31982	8.317252	8.309613	8.32097	8.321379	8.305931	8.31214	8.318962	8.205126	8.25128	8.238697	8.251254	8.229547	8.23539
FOXP1	cg0672945	-0.11031	7.845688	-10.9875	7.41E-09	3.37E-07	10.59876	8.379181	8.351346	8.359403	8.365187	8.351141	8.364581	8.353786	8.36986	8.347518	8.351556	8.268422	8.275809	8.263557	8.284014	8.27985	8.281206
CREM	cg1327984	-0.1103	7.798685	-8.58025	2.23E-07	4.81E-06	7.120887	8.324782	8.341029	8.332927	8.333813	8.334757	8.313645	8.327267	8.330122	8.328355	8.296977	8.234267	8.234881	8.229444	8.229097	8.254468	8.265158
RASAL2	cg0813576	-0.11022	7.832589	-3.76986	0.00168	0.006145	-2.01177	8.366039	8.344928	8.361529	8.335866	8.240316	8.319626	8.359289	8.355652	8.377484	8.351662	8.25724	8.244597	8.257594	8.309796	8.294624	8.321148
HOMER2	cg0215536	-0.11007	7.852801	-5.02282	0.000126	0.000755	0.604137	8.381806	8.33351	8.370716	8.332431	8.393386	8.381513	8.329483	8.365821	8.405579	8.345909	8.304891	8.284278	8.297229	8.272428	8.253554	8.276331
SPTBN1	cg1279598	-0.10994	7.60423	-8.49733	2.54E-07	5.31E-06	7.034124	8.192424	8.201964	8.19137	8.19198	8.179409	8.198911	8.170653	8.18765	8.196362	8.185238	8.11593	8.105852	8.107276	8.080494	8.111842	8.13132
MAPK10	cg2222394	-0.10972	7.251094	-3.39724	0.003688	0.011659	-2.65992	7.925295	7.935943	7.945044	7.987151	7.944157	7.962997	7.925627	7.929802	8.00287	7.974151	7.925609	7.918892	7.92282	7.849319	7.873368	7.836678
MAPK10	cg1477161	-0.10965	7.8134	-8.84082	1.50E-07	3.54E-06	7.524471	8.33748	8.333831	8.319357	8.320147	8.324176	8.339581	8.329837	8.330119	8.337544	8.354015	8.244044	8.282789	8.262504	8.262206	8.236866	8.262802
ARNTL	cg0239412	-0.10956	7.784055	-5.40296	5.89E-05	0.000406	1.403603	8.332959	8.317048	8.335878	8.28294	8.298208	8.314302	8.323131	8.331207	8.306765	8.293524	8.206199	8.208771	8.212878	8.245558	8.268242	8.267759
TCF7L2	cg2091102	-0.1095	7.901814	-5.56841	4.26E-05	0.00031	1.683014	8.412927	8.416792	8.409217	8.378945	8.375246	8.38972	8.406128	8.402153	8.3848	8.40406	8.282064	8.313131	8.301095	8.379202	8.316171	8.321452
SEMA3F	cg0888762	-0.10929	7.753251	-5.32241	6.91E-05	0.000465	1.255241	8.340269	8.293968	8.309035	8.282825	8.282687	8.305337	8.272518	8.315107	8.279994	8.273463	8.184789	8.200912	8.179249	8.197858	8.24073	8.240238
NCOA4	cg0629870	-0.10922	7.388451	-4.66834	0.000258	0.001356	-0.00684	8.056361	8.035061	8.039622	8.040965	8.074042	8.03674	8.067205	8.043724	8.04418	8.00788	7.97676	7.944657	7.965235	7.980316	8.017916	7.926479
SGMS1	cg1702359	-0.10921	7.858618	-8.30561	3.43E-07	6.83E-06	6.660118	8.373205	8.379468	8.385903	8.388166	8.37343	8.369181	8.3671	8.371144	8.378809	8.324386	8.272907	8.274128	8.272748	8.29718	8.282842	8.284886
TRIM3	cg0606550	-0.10901	6.870086	-4.76549	0.000211	0.001154	0.072081	7.692047	7.696212	7.706162	7.694753	7.687893	7.728322	7.726965	7.759801	7.735323	7.743639	7.71456	7.666023	7.65626	7.665841	7.711458	7.652873
CUX1	cg0283308	-0.10894	7.884858	-10.1815	2.17E-08	7.78E-07	9.487687	8.380301	8.385579	8.390897	8.393117	8.382113	8.393963	8.374287	8.3984	8.374828	8.392272	8.304378	8.31589	8.299128	8.288855	8.325144	8.297405
SPTBN1	cg0702565	-0.10889	7.64077	-7.45454	1.38E-06	2.00E-05	5.291425	8.222534	8.208911	8.220881	8.191256	8.2416	8.215855	8.209871	8.232344	8.21051	8.188761	8.12314	8.120756	8.135306	8.151487	8.137702	8.137194
AIF1	cg1469419	-0.10867	7.625367	-4.70119	0.000241	0.001285	0.018531	8.205775	8.207971	8.214747	8.188867	8.164619	8.216993	8.226082	8.229032	8.19049	8.168561	8.101603	8.098656	8.104077	8.157392	8.161366	8.143447
SOX7	cg1459460	-0.10856	7.700383	-5.57139	4.24E-05	0.000309	1.768574	8.270087	8.266859	8.268645	8.220629	8.242777	8.244664	8.265864	8.263288	8.234416	8.257955	8.143365	8.171127	8.152079	8.205164	8.193669	8.206065
ING4	cg1936094	-0.10851	7.827636	-3.30254	0.004503	0.013771	-2.98171	8.362655	8.366153	8.367509	8.319909	8.33157	8.295933	8.372267	8.366325	8.31448	8.334886	8.181355	8.234879	8.262673	8.307285	8.313853	8.310404
DDR2	cg2322911	-0.1085	7.816064	-6.60777	6.07E-06	6.48E-05	3.721	8.338709	8.353024	8.35321	8.346435	8.324027	8.310735	8.35124	8.333956	8.334029	8.321976	8.226719	8.238548	8.255877	8.275041	8.256398	8.288398
RHOBTB2	cg1371818	-0.10849	7.235206	-4.41656	0.000434	0.002065	-0.52294	7.932077	7.932151	7.919976	7.959357	7.978505	7.966913	7.929084	7.937524	7.9527	7.951071	7.902578	7.89706	7.897939	7.845871	7.868353	7.829267
CYGB	cg0402322	-0.10847	7.661883	-8.73417	1.76E-07	4.00E-06	7.396769	8.230832	8.225242	8.228568	8.21567	8.213396	8.211708	8.243649	8.23035	8.22558	8.225014	8.145892	8.134868	8.149176	8.148375	8.177	8.174104
PER2	cg2007041	-0.10833	7.82229	-8.84387	1.49E-07	3.54E-06	7.528343	8.346241	8.355483	8.343534	8.335778	8.321069	8.365848	8.34446	8.342578	8.333848	8.331817	8.257849	8.260074	8.238359	8.257747	8.272933	8.271488
DDR2	cg1683566	-0.10822	7.619598	-9.93053	3.07E-08	1.03E-06	9.193995	8.205557	8.19548	8.199829	8.211764	8.217176	8.206526	8.194698	8.182358	8.20349	8.192037	8.118408	8.12805	8.133081	8.113498	8.10404	8.110393
BCL6B	cg0556072	-0.10821	7.89364	-8.60411	2.15E-07	4.68E-06	7.119482	8.366059	8.394637	8.380101	8.381755	8.371729	8.342362	8.398783	8.399238	8.398896	8.418467	8.314524	8.326239	8.318504	8.325702	8.317846	8.342214
ZC3H10	cg1756437	-0.10815	7.882237	-8.53713	2.39E-07	5.04E-06	7.021219	8.390226	8.379893	8.377806	8.371929	8.39915	8.369823	8.400164	8.384167	8.388417	8.368388	8.300999	8.30613	8.292808	8.287138	8.326362	8.322713
PAFAH1B1	cg0557702	-0.10802	7.865576	-6.02882	1.77E-05	0.000155	2.603953	8.374582	8.377314	8.353986	8.36903	8.357491	8.408641	8.373158	8.379374	8.363101	8.367065	8.293033	8.31527	8.271478	8.268397	8.332395	8.270654
SMARCA2	cg0297313	-0.108	7.6893	-7.40619	1.50E-06	2.14E-05	5.197108	8.256281	8.280942	8.249059	8.249854	8.232484	8.244187	8.240881	8.248776	8.254391	8.227182	8.155161	8.15101	8.159771	8.160888	8.193627	8.179218
TDGF1	cg1761175	-0.10786	7.937267	-10.3088	1.82E-08	6.90E-07	9.648253	8.432792	8.419827	8.422397	8.419541	8.439409	8.410719	8.440349	8.407958	8.429797	8.417328	8.345942	8.340709	8.341825	8.334201	8.356099	8.345363
UIMC1	cg0688256	-0.10773	7.645262	-7.76562	8.22E-07	1.33E-05	5.822908	8.217669	8.20833	8.228625	8.216989	8.194899	8.226464	8.203879	8.206001	8.226995	8.225709	8.165974	8.144052	8.123057	8.121629	8.143968	8.142756
PEA15	cg1583601	-0.10771	7.820644	-7.53122	1.21E-06	1.80E-05	5.373338	8.329134	8.33583	8.349572	8.369431	8.33031	8.3368	8.357471	8.343921	8.342664	8.306925	8.261905	8.259418	8.242557	8.272752	8.266977	8.25465
RASL11A	cg2365062	-0.10769	7.58483	-5.07571	0.000113	0.000696	0.800283	8.191744	8.185228	8.193757	8.167867	8.187032	8.152719	8.192077	8.182176	8.169929	8.138359	8.047234	8.088532	8.086004	8.121303	8.12181	8.112854
CD82	cg1044967	-0.10767	7.746566	-7.41104	1.49E-06	2.13E-05	5.190039	8.298626	8.303284	8.301228	8.302821	8.28495	8.268559	8.291687	8.293926	8.267565	8.276498	8.178807	8.194868	8.196792	8.217427	8.229585	8.216182
SCGB3A1	cg1447260	-0.10767	7.275973	-8.23204	3.86E-07	7.41E-06	6.638938	7.975696	7.969482	7.961031	7.992641	7.9711	7.948297	7.975349	7.974241	7.974606	7.957968	7.904207	7.907778	7.885155	7.906927	7.908621	7.89373
STARD13	cg1544295	-0.1075	7.875584	-11.6463	3.22E-09	1.85E-07	11.44164	8.39001	8.393298	8.388409	8.394423	8.381076	8.3764	8.36701	8.375995	8.375039	8.377078	8.279553	8.309635	8.290779	8.301338	8.290841	8.29915
LRIG1	cg0456054	-0.10719	7.921981	-7.36804	1.60E-06	2.24E-05	5.045061	8.415217	8.385876	8.408954	8.412395	8.399968	8.404432	8.438369	8.398928	8.424761	8.407705	8.354266	8.359044	8.301902	8.333938	8.337981	8.342359
PPP1R1B	cg1674416	-0.10716	7.328879	-8.48023	2.61E-07	5.42E-06	7.036511	7.995317	8.003932	7.978125	8.005285	8.011944	8.003767	8.006307	7.999124	8.004802	8.015673	7.946202	7.937942	7.952701	7.923186	7.934412	7.92403
TWIST2	cg1244010	-0.10695	7.672313	-8.64623	2.02E-07	4.47E-06	7.256769	8.246922	8.233598	8.22725	8.214859	8.232634	8.226836	8.244554	8.243416	8.228301	8.229547	8.150261	8.151241	8.148584	8.189376	8.161658	8.165609
LRIG1	cg1089279	-0.1069	7.881674	-6.17858	1.33E-05	0.000123	2.882109	8.39283	8.379369	8.377289	8.400127	8.338588	8.36509	8.388719	8.40578	8.389748	8.366455	8.286899	8.303139	8.294159	8.318428	8.309181	8.343809
RASSF5	cg0203575	-0.10686	7.711123	-10.184	2.16E-08	7.78E-07	9.537218	8.260677	8.267776	8.279831	8.26279	8.254882	8.282095	8.25094	8.256542	8.259487	8.261977	8.181557	8.184268	8.17923	8.178771	8.198323	8.16692
DOK2	cg1438606	-0.10676	7.683909	-5.67838	3.44E-05	0.000262	1.984636	8.24497	8.231712	8.20032	8.253162	8.248084	8.256396	8.246677	8.236992	8.236095	8.256536	8.187362	8.161436	8.201601	8.177307	8.133735	8.151233
RB1	cg1322179	-0.10668	7.731416	-8.51745	2.46E-07	5.15E-06	7.040241	8.287408	8.289326	8.285929	8.269524	8.273397	8.277427	8.274303	8.269094	8.275402	8.271213	8.19353	8.193561	8.182159	8.180887	8.232478	8.197015
PHLPP2	cg0471592	-0.10654	7.452697	-4.4032	0.000446	0.002113	-0.56756	8.082297	8.051555	8.074719	8.090003	8.109316	8.049714	8.093572	8.079149	8.115887	8.07094	7.976444	8.055437	8.048424	8.028936	7.996555	8.003744
SIRT2	cg1243140	-0.10652	7.528325	-7.32222	1.73E-06	2.38E-05	5.081826	8.120612	8.135867	8.107989	8.12713	8.140376	8.149699	8.134195	8.135805	8.152775	8.13066	8.058984	8.088926	8.080653	8.059183	8.057365	8.048038
ZHX2	cg2238707	-0.1065	7.812731	-7.49378	1.29E-06	1.89E-05	5.311516	8.350451	8.345302	8.355038	8.318171	8.324319	8.324531	8.330784	8.333525	8.327561	8.333882	8.234339	8.236583	8.246613	8.258221	8.285915	8.264961
MYH9	cg1236262	-0.1064	7.836598	-5.93201	2.12E-05	0.000179	2.428983	8.355249	8.362772	8.366593	8.343932	8.331117	8.344453	8.357358	8.37357	8.332556	8.337433	8.255471	8.261917	8.234291	8.283808	8.308558	8.293441
ZBTB7C	cg0793355	-0.10637	7.595976	-5.57035	4.25E-05	0.00031	1.793756	8.204517	8.206537	8.200462	8.165946	8.171162	8.180665	8.185102	8.177435	8.144673	8.201608	8.086931	8.087319	8.078747	8.119624	8.119673	8.128971
PER2	cg2014679	-0.10628	7.46038	-5.83587	2.55E-05	0.000207	2.339794	8.105375	8.088303	8.084439	8.100978	8.049795	8.081349	8.115519	8.087385	8.070134	8.097557	8.006554	7.996113	8.02119	8.048631	8.022331	8.031274
AHNAK	cg1650923	-0.10626	7.680573	-10.0451	2.62E-08	9.00E-07	9.345749	8.221472	8.23692	8.228071	8.227902	8.241979	8.248426	8.249097	8.249199	8.229613	8.24452	8.177145	8.172286	8.157294	8.167659	8.176997	8.157173
ADARB1	cg0967639	-0.10624	7.446181	-8.18715	4.15E-07	7.84E-06	6.555374	8.079942	8.080817	8.094954	8.065067	8.075327	8.077462	8.092771	8.08385	8.082828	8.065242	8.004506	8.004882	7.987486	8.010628	8.025451	8.026129
HPGD	cg0108456	-0.10606	7.517236	-7.3188	1.74E-06	2.39E-05	5.077477	8.130879	8.12374	8.133739	8.106586	8.12145	8.114928	8.146566	8.124281	8.117125	8.137007	8.045375	8.054496	8.04875	8.042727	8.090074	8.071857
TSPAN32	cg1236116	-0.10605	7.77678	-6.71975	4.96E-06	5.55E-05	3.940646	8.29968	8.316747	8.318115	8.287838	8.280909	8.322473	8.31613	8.301556	8.295588	8.324277	8.219139	8.234983	8.224176	8.210428	8.246832	8.263419
DAB2IP	cg1413621	-0.10599	7.869442	-7.64468	1.00E-06	1.55E-05	5.552844	8.386975	8.384133	8.395849	8.404182	8.367738	8.394612	8.391133	8.367435	8.351425	8.350309	8.274924	8.269231	8.288821	8.307566	8.303103	8.282682
FHL1	cg2588379	-0.10592	7.485172	-4.72121	0.000231	0.001243	0.090598	8.120226	8.136971	8.121927	8.089259	8.091124	8.083621	8.129305	8.095875	8.083433	8.114031	8.013647	8.000621	8.015655	8.074625	8.056181	8.043328
SRPX	cg2582036	-0.10584	7.461434	-8.39202	3.00E-07	6.13E-06	6.885541	8.095365	8.080015	8.068868	8.100046	8.085499	8.088894	8.0882	8.08309	8.107998	8.091511	8.039388	8.030126	8.022898	8.013848	8.0147	8.007162
HIVEP3	cg0456446	-0.10577	7.774503	-5.79422	2.76E-05	0.000221	2.181612	8.272332	8.27714	8.288746	8.346554	8.294817	8.302535	8.311442	8.320622	8.298215	8.313978	8.23854	8.261405	8.249514	8.213939	8.220228	8.226497
PACRG	cg2572635	-0.10576	7.871204	-9.19451	8.83E-08	2.32E-06	8.049515	8.375772	8.371279	8.381487	8.367631	8.37048	8.372682	8.385387	8.383721	8.382274	8.354154	8.295314	8.295367	8.279407	8.311027	8.292194	8.320632
STAT3	cg0443925	-0.10566	7.376538	-8.44365	2.76E-07	5.70E-06	6.975505	8.022856	8.022175	8.034648	8.049508	8.044264	8.02741	8.034375	8.026848	8.044714	8.034161	7.968096	7.981115	7.974694	7.958998	7.948288	7.959984
ARNTL	cg2107867	-0.10555	7.82993	-6.91986	3.48E-06	4.19E-05	4.285955	8.342305	8.337369	8.370949	8.325911	8.330098	8.330056	8.336707	8.351693	8.360512	8.346694	8.248626	8.274191	8.269953	8.25056	8.29193	8.298135
WWOX	cg1683267	-0.10551	7.850227	-6.15855	1.38E-05	0.000127	2.859482	8.368196	8.3605	8.362935	8.360838	8.365232	8.331384	8.366345	8.363983	8.380049	8.333885	8.276694	8.273373	8.277062	8.290868	8.32958	8.257358
TES	cg0052968	-0.10531	7.815865	-7.32678	1.72E-06	2.37E-05	5.015986	8.323817	8.339361	8.326537	8.3311	8.325206	8.299555	8.319028	8.349251	8.331817	8.367051	8.252707	8.269797	8.272508	8.259609	8.25119	8.286456
IFT88	cg2127607	-0.1053	7.870669	-8.83405	1.51E-07	3.57E-06	7.495508	8.383803	8.35548	8.370892	8.37919	8.384719	8.381305	8.383016	8.387943	8.347076	8.377823	8.302931	8.288576	8.293541	8.291015	8.310714	8.294827
ZFHX3	cg0536647	-0.10521	7.85015	-8.7813	1.64E-07	3.79E-06	7.420355	8.34924	8.380469	8.365382	8.360953	8.354813	8.349683	8.352455	8.373812	8.343303	8.369086	8.272089	8.279194	8.274716	8.302236	8.276601	8.293067
AHNAK	cg0068501	-0.10519	7.858654	-5.79129	2.77E-05	0.000223	2.141414	8.362573	8.373388	8.359117	8.363614	8.346572	8.334914	8.368415	8.391347	8.357962	8.368452	8.266952	8.285444	8.288108	8.28023	8.352372	8.295184
PER2	cg0411779	-0.10515	7.743548	-9.27574	7.83E-08	2.11E-06	8.211074	8.28603	8.285935	8.271862	8.295155	8.282509	8.280878	8.279892	8.276834	8.29186	8.285876	8.214488	8.216992	8.211984	8.201921	8.18261	8.223228
PTCH1	cg0271226	-0.10512	7.835861	-6.00952	1.83E-05	0.00016	2.580629	8.354077	8.366542	8.376331	8.357663	8.338907	8.3288	8.359302	8.357568	8.329669	8.341441	8.244041	8.249853	8.25566	8.273034	8.300184	8.301205
THRB	cg0092791	-0.10509	6.841902	-4.38729	0.000461	0.002164	-0.74748	7.656499	7.712854	7.732499	7.688239	7.722928	7.713154	7.713494	7.738502	7.692329	7.705601	7.653668	7.666947	7.619626	7.647264	7.664661	7.658441
SH2B3	cg2144259	-0.10485	7.910665	-6.67988	5.33E-06	5.85E-05	3.812787	8.409017	8.389595	8.415633	8.426026	8.403178	8.36086	8.409774	8.404621	8.386363	8.421033	8.321073	8.328753	8.318448	8.336079	8.349947	8.314511
FLNA	cg1402139	-0.10478	7.96666	-8.17591	4.22E-07	7.94E-06	6.400317	8.453069	8.432538	8.433189	8.440522	8.413496	8.470519	8.463019	8.43453	8.448475	8.442938	8.360935	8.37427	8.372355	8.365539	8.378305	8.363824
ADAMTS8	cg1411955	-0.10474	7.633252	-9.64029	4.62E-08	1.42E-06	8.772566	8.19829	8.218071	8.191233	8.217266	8.195748	8.211073	8.205072	8.205107	8.199391	8.219358	8.148734	8.129213	8.135111	8.129396	8.135388	8.126276
FBLN1	cg0741250	-0.10472	7.800206	-5.21944	8.47E-05	0.000551	1.026697	8.334284	8.324481	8.340612	8.291182	8.322677	8.316258	8.332531	8.343379	8.323851	8.301066	8.22166	8.247819	8.216004	8.280376	8.291394	8.240368
IRF5	cg1462266	-0.10464	7.771694	-7.70728	9.05E-07	1.42E-05	5.692049	8.304566	8.310392	8.322124	8.326376	8.286518	8.298229	8.313517	8.292471	8.289418	8.307599	8.234522	8.207872	8.216271	8.246466	8.213048	8.235778
SEPT4	cg2333042	-0.10454	7.605925	-4.3521	0.000496	0.002287	-0.70243	8.208861	8.215953	8.217095	8.184941	8.16998	8.192448	8.198922	8.201956	8.155973	8.168661	8.076253	8.081077	8.080149	8.116824	8.141514	8.157916
IQGAP2	cg1112372	-0.10427	7.390276	-3.40948	0.003594	0.011421	-2.64352	8.051548	8.072443	8.067436	8.02263	8.018585	8.00334	8.072337	8.053882	8.031082	8.024395	7.94076	7.961607	7.920542	8.026582	8.011315	7.99772
PHLPP2	cg0268190	-0.10416	7.939812	-7.28686	1.84E-06	2.50E-05	4.895141	8.414648	8.41397	8.433866	8.421295	8.402134	8.430855	8.418541	8.436902	8.455163	8.401555	8.341124	8.354078	8.353883	8.329791	8.353328	8.372527
NAPEPLD	cg0714840	-0.10403	7.906173	-5.78327	2.81E-05	0.000225	2.106201	8.399909	8.403997	8.432126	8.397236	8.36134	8.406866	8.370502	8.389464	8.439377	8.401445	8.326783	8.314973	8.3341	8.309976	8.328248	8.326853
LIFR	cg0444466	-0.10402	7.779646	-3.93101	0.001196	0.004662	-1.64674	8.259427	8.27359	8.310697	8.34023	8.32557	8.274423	8.298069	8.327925	8.297767	8.340525	8.302957	8.234354	8.240223	8.249601	8.218184	8.201859
SGMS1	cg0982468	-0.10396	7.896726	-6.71856	4.97E-06	5.55E-05	3.892985	8.406795	8.399159	8.405416	8.410327	8.374097	8.402375	8.39276	8.402439	8.385522	8.376818	8.302929	8.295567	8.310313	8.29241	8.358499	8.318682

RNASEL	cg1633069	-0.10393	7.607854	-10.1348	2.31E-08	8.22E-07	9.484653	8.184965	8.204195	8.188068	8.211479	8.190229	8.209993	8.184541	8.186716	8.183272	8.17824	8.108716	8.111973	8.123419	8.108191	8.108499	8.105538
LIMD1	cg2758838	-0.10391	7.852993	-7.17755	2.22E-06	2.91E-05	4.738421	8.370215	8.378559	8.355734	8.34135	8.356527	8.321728	8.360978	8.356671	8.377044	8.369528	8.277693	8.286214	8.277648	8.291473	8.315741	8.29225
CD4	cg1058113	-0.10389	7.528464	-8.2683	3.64E-07	7.12E-06	6.67892	8.138371	8.149792	8.144609	8.151892	8.146599	8.142898	8.146265	8.133768	8.119888	8.11289	8.046697	8.059369	8.045219	8.083806	8.061141	8.047627
ADAMTS8	cg0426895	-0.10388	7.851526	-6.32115	1.02E-05	9.91E-05	3.169326	8.381182	8.376138	8.368909	8.341589	8.351544	8.345525	8.374741	8.360802	8.358311	8.347219	8.265937	8.270566	8.254192	8.301329	8.303421	8.311763
NDRG4	cg1710738	-0.10378	7.355773	-4.10463	0.000831	0.003471	-1.18316	8.048069	8.04401	7.998501	7.96661	8.011667	7.989202	8.023321	8.041047	8.021811	8.022207	7.926851	7.944312	7.937661	7.971123	7.968554	8.004002
CBFA2T3	cg2425091	-0.10364	7.649294	-7.59508	1.09E-06	1.65E-05	5.532157	8.242373	8.220209	8.215189	8.202252	8.213788	8.238215	8.230184	8.208473	8.201104	8.218292	8.122718	8.149735	8.13061	8.155803	8.142443	8.150056
PLAGL1	cg1765401	-0.10363	7.637891	-5.13487	0.0001	0.000635	0.905039	8.183021	8.184658	8.190427	8.232901	8.193728	8.199117	8.192993	8.208853	8.230033	8.235159	8.157726	8.166929	8.17311	8.106743	8.120892	8.139542
PHLPP2	cg0686733	-0.10349	7.869601	-10.2	2.11E-08	7.69E-07	9.517616	8.376168	8.371945	8.349476	8.369598	8.373494	8.378558	8.384376	8.374447	8.379155	8.364167	8.291758	8.314647	8.296872	8.291305	8.306296	8.297815
PTPRJ	cg1364691	-0.1033	7.384874	-7.49781	1.28E-06	1.88E-05	5.403626	8.035834	8.028931	8.04743	8.053042	8.035073	8.036716	8.04592	8.041494	8.034222	8.035026	7.981156	7.963505	7.96326	7.948787	7.966922	8.001016
NFATC1	cg0451651	-0.10329	7.555317	-5.86753	2.40E-05	0.000198	2.386175	8.160585	8.159563	8.155375	8.140739	8.158737	8.134078	8.167335	8.172701	8.14538	8.128828	8.057102	8.061708	8.073479	8.119672	8.089838	8.093282
RUNX3	cg2140627	-0.10328	7.846529	-7.06746	2.68E-06	3.40E-05	4.545968	8.346083	8.325452	8.348507	8.364765	8.376817	8.366113	8.3666	8.372356	8.331918	8.360907	8.292055	8.287678	8.290831	8.275968	8.286959	8.262539
PRKCE	cg1385742	-0.10315	7.56229	-9.78297	3.77E-08	1.21E-06	8.990525	8.155895	8.152454	8.159041	8.171094	8.156813	8.162266	8.16696	8.148505	8.167619	8.141718	8.083965	8.088569	8.089451	8.070996	8.088486	8.089458
TRIM3	cg0642602	-0.10315	7.79766	-7.23905	1.99E-06	2.66E-05	4.87092	8.336806	8.323733	8.33548	8.306928	8.332853	8.309374	8.326382	8.323431	8.304077	8.326148	8.237545	8.226328	8.237157	8.232213	8.272571	8.267742
SLC5A8	cg1473044	-0.10312	7.734216	-7.65261	9.91E-07	1.53E-05	5.610584	8.287916	8.297002	8.297371	8.269151	8.271106	8.265643	8.272085	8.26743	8.292851	8.262332	8.196201	8.189247	8.18071	8.217948	8.206236	8.210595
FHL1	cg1398065	-0.10308	7.907855	-7.70274	9.12E-07	1.43E-05	5.632532	8.406202	8.40064	8.399196	8.375895	8.402007	8.424382	8.400151	8.414899	8.412008	8.376833	8.316168	8.327031	8.316124	8.32143	8.322779	8.346554
ZHX2	cg1728097	-0.10299	7.739514	-9.85538	3.41E-08	1.11E-06	9.064788	8.296836	8.280053	8.276522	8.299118	8.280184	8.27344	8.280235	8.265491	8.286232	8.279143	8.206051	8.216419	8.200204	8.193116	8.206738	8.203156
CTNNBIP1	cg1232508	-0.10283	7.707067	-7.52955	1.22E-06	1.80E-05	5.406126	8.268387	8.254519	8.271111	8.260439	8.261959	8.239289	8.26873	8.258005	8.24003	8.258149	8.167026	8.172913	8.176353	8.172851	8.201419	8.209274
ING5	cg0296876	-0.10279	7.856078	-10.3289	1.77E-08	6.74E-07	9.702244	8.377249	8.363783	8.362077	8.352596	8.355515	8.358735	8.349358	8.370109	8.358324	8.380287	8.288343	8.286127	8.285138	8.283367	8.298598	8.295121
IRF1	cg1537542	-0.10279	7.866817	-7.47295	1.34E-06	1.95E-05	5.25264	8.372506	8.370221	8.379549	8.35659	8.348316	8.374253	8.383217	8.373751	8.391044	8.347325	8.295324	8.285007	8.283273	8.322524	8.311817	8.293454
PRKCB	cg0073596	-0.10268	7.094553	-4.05949	0.000913	0.003747	-1.28314	7.870451	7.837357	7.809029	7.821527	7.845207	7.840546	7.90293	7.883767	7.860363	7.825747	7.775752	7.790702	7.787453	7.821997	7.835517	7.815188
NRCAM	cg1232058	-0.10264	7.784431	-6.43261	8.34E-06	8.35E-05	3.404274	8.293904	8.30506	8.305861	8.299594	8.29433	8.340479	8.294906	8.325494	8.306746	8.334125	8.250934	8.245105	8.253216	8.259606	8.215442	8.223692
ITGA5	cg0121323	-0.10263	7.700466	-6.62077	5.93E-06	6.37E-05	3.784714	8.256911	8.26999	8.267737	8.259982	8.249979	8.267725	8.2569	8.274299	8.232864	8.224466	8.154825	8.169352	8.151236	8.185234	8.196883	8.189412
ST7	cg1765358	-0.10256	7.91927	-6.25238	1.16E-05	0.00011	3.006423	8.415793	8.416121	8.415981	8.42249	8.38916	8.366454	8.426902	8.398441	8.404106	8.419895	8.326145	8.310827	8.335643	8.36763	8.336231	8.342829
CDH4	cg1241184	-0.10246	7.683976	-7.56573	1.15E-06	1.71E-05	5.474537	8.258533	8.258243	8.25107	8.240763	8.2347	8.240403	8.248943	8.240709	8.239061	8.221042	8.153977	8.153982	8.144291	8.173992	8.194404	8.170204
PEG3	cg1600723	-0.10245	7.5408	-4.15015	0.000755	0.003216	-1.11324	8.148343	8.158396	8.163853	8.137558	8.114646	8.097853	8.14659	8.162497	8.156144	8.12024	8.060368	8.061782	8.032088	8.124284	8.102921	8.075243
ARNTL	cg2142355	-0.10241	7.688498	-7.5448	1.19E-06	1.77E-05	5.436275	8.23999	8.24215	8.256844	8.208596	8.256426	8.25108	8.249295	8.251543	8.238602	8.241866	8.166033	8.156766	8.172018	8.168643	8.19238	8.181576
CASC1	cg1370733	-0.10234	7.723401	-6.53944	6.87E-06	7.14E-05	3.626384	8.302039	8.263098	8.241106	8.271962	8.287711	8.267678	8.269006	8.26258	8.261565	8.273258	8.196271	8.221893	8.177258	8.191416	8.197925	8.17815
AGTR1	cg1546396	-0.1023	7.819639	-7.79547	7.82E-07	1.27E-05	5.826114	8.342127	8.346342	8.353456	8.333994	8.345033	8.323148	8.348918	8.339114	8.337625	8.314097	8.241069	8.255922	8.244622	8.276052	8.266782	8.280291
KLF10	cg0527907	-0.10229	6.927058	-2.84314	0.011759	0.029868	-3.89227	7.70222	7.775538	7.692192	7.748269	7.706847	7.786724	7.756733	7.806439	7.762402	7.758141	7.723589	7.699118	7.723086	7.760886	7.67689	7.677576
PRICKLE1	cg0730309	-0.10217	7.78667	-10.3708	1.68E-08	6.44E-07	9.779299	8.320161	8.306827	8.3261	8.311167	8.304826	8.304666	8.312281	8.317218	8.306608	8.320577	8.229754	8.234682	8.238607	8.234697	8.256991	8.248464
NDRG4	cg1965661	-0.10217	7.67022	-3.86916	0.001363	0.005185	-1.73817	8.239739	8.256462	8.247483	8.191429	8.182168	8.209267	8.241125	8.251147	8.230336	8.228502	8.134888	8.135474	8.127592	8.213129	8.187258	8.19645
LEFTY1	cg2080145	-0.10196	7.365974	-7.05814	2.73E-06	3.44E-05	4.633332	8.028961	8.034156	7.993708	8.03194	8.021361	8.0267	8.044151	8.03113	8.035775	8.005079	7.958965	7.94695	7.973367	7.966115	7.968947	7.955574
HIVEP3	cg2425484	-0.10192	7.815935	-4.89062	0.000164	0.000938	0.349636	8.355866	8.355235	8.348628	8.328596	8.325659	8.317992	8.343559	8.351913	8.334375	8.297355	8.22662	8.23147	8.235533	8.279718	8.275712	8.298919
MTSS1	cg1952381	-0.1019	7.513659	-9.61036	4.82E-08	1.46E-06	8.746063	8.118972	8.115005	8.131298	8.11418	8.129153	8.118789	8.132758	8.117497	8.128272	8.125832	8.047923	8.068526	8.053607	8.052816	8.071767	8.044696
ARNTL	cg0523984	-0.10186	7.5077	-3.75948	0.001717	0.006262	-1.92695	8.141459	8.126078	8.151373	8.088842	8.136092	8.098832	8.148366	8.125132	8.096803	8.102694	8.035802	8.040312	7.987053	8.082229	8.089582	8.059222
EPAS1	cg2127637	-0.10185	7.241818	-4.35328	0.000494	0.002285	-0.65514	7.968468	7.961607	7.96454	7.933738	7.947132	7.923523	7.975102	7.950456	7.926184	7.931288	7.850121	7.860688	7.852144	7.91072	7.910083	7.899755
WIF1	cg2167159	-0.1017	7.597309	-8.3153	3.38E-07	6.73E-06	6.743009	8.189382	8.18413	8.195743	8.182305	8.172012	8.19565	8.186969	8.182818	8.182626	8.158312	8.096718	8.101191	8.098164	8.099135	8.123085	8.124615
SRGAP3	cg0869041	-0.10163	7.260482	-4.97593	0.000138	0.000817	0.634985	7.939892	7.938969	7.951614	7.977892	7.973966	7.953674	7.95658	7.941834	7.989992	7.954893	7.911373	7.911672	7.92185	7.879316	7.884661	7.863273
TBX5	cg1443144	-0.10161	7.735911	-9.11153	9.98E-08	2.58E-06	7.965708	8.298141	8.283429	8.280199	8.278025	8.264784	8.29835	8.281283	8.270268	8.266918	8.275303	8.194591	8.20215	8.190315	8.218838	8.195112	8.204999
ZBTB7C	cg0539643	-0.10159	7.270723	-2.60621	0.019115	0.044201	-4.25562	7.98409	8.012609	8.004228	7.931856	7.944101	7.945798	7.987001	7.988206	7.93469	7.940709	7.849048	7.861311	7.841572	7.937399	7.961981	7.933663
MTUS1	cg0362058	-0.10143	7.917734	-5.72066	3.17E-05	0.000246	1.972015	8.387854	8.423724	8.379419	8.375405	8.411575	8.360689	8.421525	8.400751	8.44309	8.409972	8.321739	8.33621	8.366856	8.366505	8.330305	8.340821
GSTT1	cg0538091	-0.10137	7.849008	-6.16832	1.36E-05	0.000125	2.880053	8.332468	8.373767	8.356814	8.35009	8.349744	8.404721	8.349508	8.367955	8.365165	8.3414	8.299711	8.294722	8.268758	8.275703	8.280476	8.273359
SEMA3B	cg1069246	-0.10136	7.820541	-9.61333	4.80E-08	1.46E-06	8.692157	8.34414	8.340032	8.333749	8.320857	8.35549	8.345092	8.339553	8.32414	8.344442	8.335966	8.262982	8.26241	8.273034	8.270129	8.252488	8.254067
CUX1	cg1392679	-0.10134	7.90151	-8.06518	5.04E-07	9.11E-06	6.248123	8.402284	8.402082	8.396404	8.397447	8.416718	8.428755	8.405058	8.398308	8.382778	8.370925	8.30006	8.329251	8.311729	8.330428	8.304201	8.313101
TSLP	cg1078146	-0.10125	7.651954	-9.50238	5.63E-08	1.64E-06	8.567495	8.218675	8.21485	8.217093	8.217138	8.230507	8.221009	8.210459	8.212331	8.22222	8.225849	8.163583	8.148796	8.147907	8.125443	8.142892	8.15136
PTPN1	cg0106314	-0.10117	7.908555	-10.1297	2.33E-08	8.23E-07	9.404117	8.383059	8.393218	8.383626	8.401545	8.384463	8.392583	8.406208	8.417689	8.413081	8.394709	8.328773	8.336551	8.336099	8.353043	8.322532	8.322338
ZFHX3	cg1656325	-0.10104	7.804174	-6.79725	4.32E-06	4.99E-05	4.073157	8.327525	8.321896	8.328045	8.320929	8.323155	8.309023	8.332471	8.337881	8.313479	8.328159	8.23185	8.256953	8.248113	8.240785	8.250696	8.301292
NFATC1	cg0189309	-0.10103	7.75742	-6.70124	5.13E-06	5.66E-05	3.913949	8.266518	8.304234	8.297962	8.282659	8.304883	8.299824	8.288638	8.276144	8.301374	8.30279	8.246817	8.220426	8.223521	8.198414	8.231468	8.198297
FOXO3	cg0343648	-0.10093	7.805054	-5.17438	9.27E-05	0.000595	0.935258	8.332693	8.349951	8.34303	8.341544	8.298526	8.324855	8.332295	8.344239	8.292482	8.32311	8.236119	8.214078	8.235237	8.256776	8.283363	8.274968
PYCARD	cg0905550	-0.10057	7.731406	-7.32118	1.73E-06	2.38E-05	5.036122	8.274035	8.28384	8.270275	8.250896	8.280342	8.271419	8.267815	8.282508	8.29248	8.257827	8.202838	8.192761	8.200726	8.185713	8.232758	8.205516
LRIG1	cg1641453	-0.10042	7.808914	-9.26597	7.95E-08	2.13E-06	8.180778	8.342608	8.345932	8.33662	8.337583	8.337071	8.345736	8.329404	8.320271	8.313477	8.323541	8.234821	8.253866	8.249445	8.269034	8.260684	8.226927
PAX6	cg2631527	-0.10033	7.814969	-6.88674	3.69E-06	4.38E-05	4.234897	8.344151	8.338176	8.353789	8.322022	8.353513	8.336139	8.330428	8.329575	8.333048	8.320313	8.238076	8.257817	8.254674	8.265732	8.227371	8.290994
BMP2	cg2666527	-0.10031	7.906293	-8.0641	5.05E-07	9.11E-06	6.241091	8.406133	8.410143	8.392081	8.388664	8.39393	8.392842	8.398476	8.398292	8.388994	8.415719	8.320482	8.316785	8.329036	8.314112	8.361954	8.31622
TSSC4	cg2419888	-0.10029	7.677552	-6.40045	8.85E-06	8.76E-05	3.378819	8.2468	8.232098	8.208647	8.233919	8.264666	8.257618	8.231296	8.230485	8.227756	8.243887	8.174901	8.167989	8.18392	8.146542	8.143178	8.159448
SRGAP3	cg0133669	-0.10014	7.741216	-5.59076	4.08E-05	0.000299	1.793423	8.288621	8.290669	8.29554	8.254991	8.255735	8.272105	8.291301	8.280875	8.298464	8.262869	8.197444	8.202627	8.182821	8.246076	8.205592	8.236102
FOXO3	cg2616519	-0.10007	7.476862	-5.54392	4.47E-05	0.000322	1.763801	8.109499	8.102847	8.106964	8.078983	8.132459	8.100122	8.113564	8.109854	8.068241	8.090976	8.019757	8.018716	8.008296	8.025483	8.063971	8.03171
TOM1L2	cg2278246	-0.09985	7.628742	-7.59996	1.08E-06	1.64E-05	5.544158	8.202278	8.215826	8.20713	8.207151	8.182428	8.195466	8.203311	8.18744	8.19948	8.219286	8.123963	8.139258	8.126059	8.115038	8.136094	8.155085
SOX7	cg1160346	-0.09977	7.789269	-5.56792	4.27E-05	0.00031	1.730091	8.301898	8.307665	8.325945	8.313368	8.310142	8.289177	8.324804	8.321215	8.304226	8.324499	8.243958	8.239889	8.234343	8.301132	8.250995	8.209977
CUX1	cg1188309	-0.09976	7.829555	-7.36781	1.60E-06	2.24E-05	5.084095	8.339878	8.338957	8.335628	8.329685	8.335442	8.348082	8.341243	8.360678	8.346571	8.338889	8.279677	8.27473	8.25969	8.246016	8.275686	8.310169
VPS53	cg0243109	-0.09976	7.736832	-7.36716	1.60E-06	2.24E-05	5.114589	8.264085	8.278923	8.276636	8.273836	8.276184	8.270148	8.301197	8.263461	8.291606	8.263893	8.200653	8.206104	8.213238	8.191599	8.238576	8.202179
NEDD4L	cg2450627	-0.09973	7.71341	-6.42918	8.39E-06	8.40E-05	3.424465	8.282902	8.280377	8.281241	8.268127	8.262429	8.249454	8.27194	8.257468	8.245995	8.245339	8.17389	8.17139	8.154819	8.196494	8.195612	8.214301
TRIM3	cg0330646	-0.09973	7.592081	-7.80792	7.66E-07	1.26E-05	5.904963	8.192118	8.172013	8.181124	8.163738	8.173826	8.175822	8.178095	8.186341	8.175966	8.168345	8.09805	8.089391	8.112458	8.128727	8.126091	8.093366
TET2	cg2279477	-0.09969	7.878156	-7.056	2.74E-06	3.45E-05	4.510181	8.388687	8.366546	8.388497	8.358267	8.357845	8.356262	8.381517	8.380274	8.40873	8.366169	8.296265	8.305231	8.301179	8.320076	8.3073	8.33554
PER2	cg2131542	-0.09945	7.894995	-9.38761	6.65E-08	1.88E-06	8.331827	8.390694	8.385071	8.389507	8.3765	8.397591	8.393593	8.374259	8.400463	8.407865	8.385082	8.314012	8.326259	8.327288	8.302917	8.319331	8.322508
PRKCE	cg2622268	-0.09939	7.676008	-9.88505	3.27E-08	1.07E-06	9.11851	8.239649	8.225482	8.221807	8.229829	8.219907	8.226113	8.235176	8.239483	8.255076	8.227676	8.171235	8.165774	8.166505	8.162438	8.165333	8.183296
DOK3	cg0726501	-0.09938	7.811018	-7.42047	1.46E-06	2.10E-05	5.186393	8.348429	8.346108	8.342465	8.327142	8.336076	8.342826	8.322633	8.331657	8.315389	8.325867	8.233824	8.255264	8.243952	8.243728	8.293519	8.242023
SP100	cg2433430	-0.09937	7.908479	-6.54782	6.76E-06	7.07E-05	3.570779	8.415227	8.416877	8.399627	8.39808	8.419331	8.381713	8.359183	8.411025	8.423434	8.397895	8.334994	8.3312	8.317317	8.323432	8.316901	8.323544
TNFAIP8L2	cg0273333	-0.09933	7.825037	-5.29113	7.35E-05	0.000488	1.160809	8.32939	8.319418	8.322583	8.348299	8.353159	8.336939	8.312281	8.345336	8.363295	8.352458	8.302566	8.284488	8.293312	8.24927	8.263793	8.233375
SALL2	cg2289144	-0.09931	7.739966	-7.1581	2.29E-06	2.97E-05	4.745111	8.268478	8.275789	8.299187	8.264863	8.271704	8.273279	8.273084	8.287855	8.295237	8.271913	8.182961	8.227814	8.208873	8.209759	8.233441	8.203226
PER2	cg1230867	-0.09931	7.720153	-8.8711	1.43E-07	3.46E-06	7.598444	8.27161	8.25169	8.266163	8.270655	8.24931	8.261281	8.276829	8.265429	8.260483	8.268997	8.213005	8.176302	8.191607	8.192486	8.210284	8.199475
FABP3	cg0141468	-0.09928	7.726936	-8.77986	1.64E-07	3.79E-06	7.454599	8.268782	8.276335	8.280038	8.250942	8.271658	8.250066	8.269547	8.265759	8.278232	8.277889	8.199501	8.201104	8.188761	8.195328	8.220036	8.207406
PKD1	cg1009852	-0.09927	7.342009	-9.90169	3.19E-08	1.06E-06	9.178182	8.009926	8.00211	8.003955	7.998082	8.003884	8.006384	8.002233	8.021331	8.018638	8.015264	7.947544	7.948484	7.952563	7.933391	7.954664	7.957731
ZFHX3	cg0570449	-0.09917	7.866534	-8.09525	4.80E-07	8.77E-06	6.309643	8.368292	8.377221	8.374028	8.373839	8.368296	8.369691	8.384126	8.363253	8.345709	8.382582	8.298133	8.282248	8.29456	8.304606	8.320283	8.278161
LRRC4	cg0694539	-0.09916	7.471581	-4.84	0.000182	0.001025	0.337398	8.095695	8.099132	8.119818	8.062539	8.083569	8.075463	8.112038	8.099149	8.089698	8.095499	8.015247	8.028866	7.996727	8.081244	8.033838	8.036386
PKD1	cg1844713	-0.0991	7.515726	-6.22736	1.22E-05	0.000114	3.08604	8.129989	8.124124	8.142885	8.107337	8.125925	8.114168	8.136573	8.134359	8.103729	8.127349	8.037684	8.060994	8.030091	8.068022	8.067117	8.0832
TSPAN32	cg1950582	-0.09893	7.305255	-5.21014	8.63E-05	0.00056	1.110164	7.997672	8.006184	7.997867	7.980283	7.97742	7.958766	7.982218	7.995501	7.985812	7.984782	7.884595	7.921375	7.916758	7.93314	7.961101	7.919335
DAB2	cg1114096	-0.09889	7.854353	-8.21655	3.96E-07	7.57E-06	6.516051	8.364118	8.374365	8.373645	8.35942	8.384409	8.371382	8.359388	8.346656	8.366137	8.348233	8.281129	8.265674	8.308221	8.264297	8.291157	8.287559
MYH9	cg0248485	-0.09889	6.827939	-3.80853	0.001548	0.005749	-1.95782	7.661858	7.647179	7.655673	7.658097	7.663074	7.699433	7.730768	7.7062	7.717124	7.734626	7.667722	7.721939	7.640599	7.659604	7.662829	7.635954
FBLN1	cg1434810	-0.09887	7.828476	-5.03694	0.000122	0.000739	0.643159	8.363113	8.359478	8.359415	8.322139	8.318452	8.317138	8.350276	8.345121	8.348923	8.331968	8.247236	8.249548	8.246975	8.277923	8.305594	8.306048
NNAT	cg0619806	-0.09881	7.893407	-9.59007	4.97E-08	1.49E-06	8.633278	8.382075	8.399325	8.37724	8.386649	8.407711	8.383457	8.376593	8.400177	8.388372	8.392558	8.316043	8.331269	8.315825	8.314268	8.30924	8.313841
CD82	cg2323981	-0.09879	7.777183	-8.53314	2.40E-07	5.06E-06	7.050263	8.300731	8.29778	8.301727	8.295284	8.291285	8.305338	8.318664	8.320095	8.294219	8.307396	8.225594	8.226384	8.241119	8.227513	8.264551	8.248265
FHL1	cg0551710	-0.09868	7.788706	-8.85787	1.46E-07	3.49E-06	7.560776	8.316041	8.326843	8.317148	8.314722	8.339293	8.305645	8.30303	8.307522	8.309924	8.321203	8.241604	8.241137	8.246334	8.218634	8.238397	8.24964
MTSS1	cg2681672	-0.09863	7.335132	-4.98611	0.000135	0.000802	0.652107	8.001994	8.022342	8.006975	8.004233	7.986039	7.983616	8.013084	8.039149	7.995712	7.98809	7.916814	7.928966	7.92343	7.961262	7.969874	7.965145
ZFHX3	cg0491066	-0.09855	7.576136	-5.79834	2.73E-05	0.00022	2.248031	8.181695	8.185653	8.173123	8.171988	8.150935	8.182643	8.194659	8.144937	8.152345	8.150524	8.089448	8.062746	8.08866	8.087611	8.118285	8.108439
SRPX	cg0262121	-0.09855	7.858177	-7.60788	1.07E-06	1.62E-05	5.490818	8.369931	8.363773	8.365337	8.377812	8.333606	8.380989	8.344352	8.386235	8.361202	8.360128	8.289582	8.284218	8.290315	8.28933	8.294417	8.297752
MYH9	cg1011457	-0.09852	7.6313	-6.79286	4.35E-06	5.01E-05	4.116217	8.226593	8.201231	8.207104	8.208071	8.185989	8.218255	8.203218	8.209591	8.193079	8.197878	8.123381	8.132087	8.117698	8.121374	8.129148	8.169004
SPARCL1	cg2035360	-0.0983	7.830089	-9.68493	4.34E-08	1.35E-06	8.792779	8.35114	8.336727	8.329505	8.328926	8.35819	8.329968	8.340061	8.34313	8.345923	8.355538	8.273596	8.275159	8.28494	8.266458	8.275377	8.272245
OSCP1	cg1891289	-0.09822	7.894433	-8.58727	2.21E-07	4.77E-06	7.097319	8.391461	8.39788	8.390604	8.398673	8.386001	8.381483	8.386162	8.396808	8.399146	8.375485	8.302895	8.313547	8.323107	8.309068	8.346816	8.307464
PTPRK	cg2546806	-0.09809	7.893231	-7.07673	2.64E-06	3.36E-05	4.54048	8.362202	8.384442	8.391756	8.359144	8.366405	8.409436	8.390894	8.389593	8.406938	8.393548	8.309454	8.336611	8.331315	8.329456	8.303693	8.327403
PTPRD	cg1319192	-0.09807	7.502823	-7.59811	1.09E-06	1.64E-05	5.564092	8.119748	8.103644	8.120854	8.127604	8.131164	8.111138	8.108195	8.107666	8.117363	8.123727	8.054087	8.070797	8.042362	8.045285	8.048184	8.024246
EMP2	cg1147577	-0.09798	7.262789	-2.54438	0.021665	0.048939	-4.37405	7.998755	7.976921	7.99453	7.928879	7.93782	7.929678	7.986733	7.984582	7.931636	7.932467	7.853181	7.838826	7.855357	7.938533	7.945111	7.944912
CBFA2T3	cg0197758	-0.0979	7.679195	-6.71087	5.04E-06	5.59E-05	3.955388	8.241234	8.251153	8.232404	8.247717	8.225706	8.255969	8.244053	8.243938	8.215182	8.229405	8.157748	8.132314	8.180505	8.184188	8.157654	8.171997
THBD	cg1527225	-0.09786	7.51892	-9.9314	3.06E-08	1.03E-06	9.208148	8.138268	8.11536	8.109606	8.13201	8.124404	8.124994	8.132903	8.124962	8.124251	8.13146	8.062704	8.0681	8.060123	8.065222	8.057312	8.055337
SYNM	cg1549101	-0.09784	7.75335	-7.95273	6.05E-07	1.06E-05	6.112147	8.289811	8.305557	8.302076	8.288954	8.292717	8.287717	8.291611	8.295379	8.270687	8.282992	8.200531	8.209013	8.203443	8.208418	8.224635	8.244676
NFATC2	cg1089283	-0.09783	7.438183	-5.49701	4.90E-05	0.000348	1.674878	8.053976	8.055995	8.064954	8.086346	8.079299	8.083195	8.046448	8.082168	8.082384	8.086587	8.022599	8.028727	8.030414	7.992922	7.990188	7.987207
ABI2	cg1895021	-0.09776	7.685514	-6.5223	7.08E-06	7.30E-05	3.602714	8.252661	8.232926	8.245893	8.228315	8.214215	8.220038	8.242281	8.248636	8.236262	8.257451	8.163999	8.175324	8.155878	8.171979	8.213739	8.180632
NEDD4L	cg1722315	-0.09763	7.912722	-6.70746	5.07E-06	5.61E-05	3.86167	8.385766	8.391837	8.40215	8.418363	8.367408	8.415032	8.39525	8.421087	8.395467	8.416353	8.330092	8.328699	8.354924	8.345394	8.312553	8.337821
HIVEP3	cg2595249	-0.09762	7.747824	-6.55394	6.69E-06	7.03E-05	3.645274	8.302634	8.29187	8.305012	8.278341	8.269601	8.269889	8.29519	8.279372	8.276355	8.284216	8.196154	8.204661	8.190203	8.227686	8.225484	8.239293
PEG3	cg1933532	-0.09762	7.842749	-9.53155	5.40E-08	1.59E-06	8.565255	8.360844	8.356623	8.350743	8.355137	8.356594	8.360056	8.34999	8.343431	8.35157	8.354484	8.279695	8.2786	8.286865	8.255811	8.272247	8.299476
RAP1A	cg0003596	-0.09761	7.781092	-9.5057	5.61E-08	1.63E-06	8.543105	8.309522	8.308187	8.305818	8.292369	8.297148	8.291706	8.31501	8.308047	8.313465	8.314572	8.243607	8.233171	8.230535	8.235564	8.245454	8.265808
PRDM11	cg2734028	-0.09742	7.864104	-9.18736	8.92E-08	2.34E-06	8.042817	8.3656	8.376412	8.373866	8.355576	8.378076	8.390802	8.37598	8.36137	8.370159	8.350247	8.301537	8.29034	8.283346	8.288173	8.302563	8.293134
PER2	cg1402628	-0.09732	7.801576	-6.28056	1.10E-05	0.000105	3.11078	8.332123	8.322947	8.324073	8.290884	8.310665	8.310683	8.319939	8.329854	8.357356	8.302589	8.252776	8.251735	8.237174	8.279036	8.27125	8.249302
SEMA3B	cg1299994	-0.09724	7.41028	-8.93675	1.30E-07	3.20E-06	7.746388	8.037109	8.032397	8.054195	8.052116	8.054644	8.055396	8.063945	8.063714	8.049132	8.057275	7.999846	7.988867	7.99628	7.98131	8.005438	7.989317
CAPG	cg0529338	-0.09722	7.726582	-7.93593	6.22E-07	1.09E-05	6.09236	8.279543	8.284945	8.291798	8.271372	8.267285	8.275064	8.267147	8.256278	8.266623	8.267395	8.182417	8.199818	8.185678	8.212279	8.174645	8.216073
PRDM11	cg0115928	-0.09717	7.332447	-3.6258	0.002277	0.007889	-2.18641	7.981039	7.986627	7.995354	8.030917	8.015402	8.021312	7.984035	7.980616	8.011698	8.036381	7.968497	7.976575	7.965401	7.895712	7.917438	7.913825
SMARCA2	cg1598848	-0.09696	7.900835	-10.0554	2.58E-08	8.95E-07	9.300184	8.389083	8.375279	8.368973	8.363296	8.389578	8.376462	8.411915	8.399694	8.401289	8.405824	8.323545	8.3306	8.34104	8.342233	8.33976	8.32116
WDR48	cg1947167	-0.09684	7.8702	-7.96904	5.89E-07	1.04E-05	6.097696	8.362766	8.385122	8.37021	8.365465	8.369877	8.376491	8.375379	8.371045	8.388484	8.354222	8.301281	8.294306	8.303392	8.282731	8.297375	8.328826
SCUBE2	cg1793338	-0.09678	7.447596	-7.40796	1.49E-06	2.14E-05	5.242654	8.076721	8.087647	8.076961	8.084111	8.098392	8.059923	8.078959	8.082032	8.087238	8.063372	7.994085	8.00949	8.027748	8.016299	8.022839	8.006138
HOMER2	cg2335965	-0.09671	7.867334	-7.05515	2.74E-06	3.45E-05	4.515783	8.371713	8.365951	8.360872	8.385199	8.368265	8.368351	8.355526	8.399852	8.357055	8.367103	8.304374	8.271495	8.316929	8.305451	8.307629	8.288335
HSPB7	cg1315061	-0.09668	7.812337	-7.58337	1.11E-06	1.67E-05	5.464632	8.335961	8.31747	8.338373	8.324388	8.317808	8.310629	8.332316	8.331434	8.337568	8.334996	8.283177	8.253889	8.239188	8.261902	8.289169	8.256257
FABP3	cg1836841	-0.09663	7.962416	-7.90701	6.52E-07	1.12E-05	5.956587	8.455641	8.448431	8.440436	8.424778	8.433846	8.456326	8.449018	8.437383	8.436316	8.425304	8.344918	8.363491	8.357739	8.360845	8.392663	8.370738
ZFHX3	cg1113614	-0.09648	7.877623	-6.5974	6.18E-06	6.60E-05	3.673813	8.368346	8.35253	8.392421	8.362098	8.392066	8.358518	8.381285	8.376758	8.366511	8.400011	8.313049	8.336742	8.285271	8.305567	8.308306	8.312804
ST7	cg0533738	-0.09633	7.82362	-8.23371	3.85E-07	7.41E-06	6.552948	8.321229	8.342765	8.346988	8.326288	8.347136	8.339191	8.347917	8.326059	8.33104	8.350862	8.267593	8.279323	8.264903	8.247674	8.274286	8.280007
ADARB1	cg2228172	-0.09625	7.760463	-3.12221	0.006576	0.018677	-3.32454	8.293323	8.279551	8.238803	8.311053	8.314957	8.3112	8.271009	8.269859	8.305726	8.331481	8.266425	8.23844	8.286883	8.180708	8.197579	8.18295
MTUS1	cg2389456	-0.09607	7.886499	-5.95713	2.02E-05	0.000172	2.456548	8.403081	8.406752	8.38689	8.358009	8.386338	8.390243	8.385003	8.393916	8.355681	8.388426	8.302809	8.285369	8.291174	8.335093	8.316362	8.33027
NKX2-8	cg1839698	-0.09603	7.859894	-10.1325	2.32E-08	8.22E-07	9.428367	8.375572	8.36807	8.376261	8.388471	8.374326	8.36728	8.363427	8.34636	8.357525	8.364684	8.285455	8.296077	8.294412	8.274988	8.295948	8.28026
LITAF	cg2264051	-0.096	7.857004	-7.57751	1.12E-06	1.68E-05	5.440066	8.362482	8.355382	8.369045	8.353422	8.381982	8.384956	8.374614	8.363681	8.348591	8.348777	8.295082	8.289499	8.278377	8.268468	8.308623	8.292705
PRKCE	cg2175365	-0.09592	7.858933	-5.35896	6.42E-05	0.000438	1.283966	8.370381	8.376021	8.383478	8.385541	8.3113	8.354816	8.354721	8.371858	8.358662	8.369655	8.282385	8.273828	8.284361	8.301353	8.299529	8.319938
TSC1	cg0809287	-0.09591	7.343663	-2.88525	0.010778	0.027886	-3.71133	8.042955	8.028512	8.019114	7.984079	7.981627	7.982847	8.048981	8.029201	7.991827	7.983881	7.903781	7.903379	7.924379	7.978263	7.999926	7.993331
HSPB7	cg0959951	-0.09581	7.754346	-8.5665	2.28E-07	4.89E-06	7.111435	8.292296	8.289464	8.289597	8.277935	8.293087	8.294316	8.296779	8.298015	8.264085	8.294926	8.207322	8.21296	8.217223	8.218633	8.225108	8.237085
LIFR	cg0675617	-0.09575	7.880936	-4.20192	0.000678	0.002941	-1.11427	8.377571	8.401064	8.385881	8.381033	8.392489	8.431158	8.376536	8.396963	8.404686	8.304102	8.317953	8.290555	8.280696	8.304569	8.295065	8.31247

CTDSPL	cg0817148	-0.09567	7.832802	-6.46765	7.82E-06	7.92E-05	3.452143	8.350549	8.349957	8.356271	8.333075	8.343503	8.312042	8.345735	8.351248	8.358431	8.332881	8.256136	8.282757	8.254764	8.291575	8.276858	8.302294
SPTBN1	cg0071036	-0.09562	7.835779	-7.03481	2.84E-06	3.56E-05	4.492926	8.368365	8.360229	8.355304	8.328616	8.332091	8.345823	8.337346	8.345724	8.333704	8.367152	8.264092	8.271238	8.262848	8.276091	8.295886	8.287796
TBRG1	cg2005498	-0.09562	7.85171	-7.27655	1.87E-06	2.52E-05	4.917081	8.361104	8.365248	8.352324	8.365175	8.370702	8.355699	8.387199	8.351343	8.330964	8.355972	8.286732	8.289993	8.262814	8.297198	8.291327	8.290999
SMARCA2	cg2270851	-0.09551	7.885388	-8.47848	2.62E-07	5.43E-06	6.927884	8.386253	8.38586	8.405154	8.396375	8.383481	8.372152	8.380216	8.377698	8.369173	8.390439	8.289023	8.325449	8.301553	8.319225	8.31363	8.30659
L3MBTL4	cg2635242	-0.09551	7.461217	-2.5694	0.020596	0.04691	-4.34415	8.114931	8.110746	8.124564	8.039897	8.058444	8.073128	8.116451	8.102969	8.084681	8.048862	7.967576	8.001976	7.969054	8.067163	8.092495	8.045632
TCF4	cg0833974	-0.09551	7.921128	-4.79215	0.0002	0.001104	0.092099	8.420045	8.406575	8.376766	8.42611	8.407318	8.357366	8.405842	8.433039	8.377908	8.441885	8.335307	8.357589	8.322352	8.350847	8.36132	8.335772
AHNAK	cg0592172	-0.09543	7.850824	-7.59332	1.09E-06	1.65E-05	5.469706	8.367577	8.35174	8.347585	8.371343	8.361456	8.377627	8.356551	8.368047	8.346414	8.347036	8.259476	8.300168	8.301582	8.283284	8.289851	8.275021
ALOX15B	cg1594609	-0.09541	7.820757	-4.4302	0.000421	0.002017	-0.60808	8.350568	8.367922	8.353448	8.31557	8.353159	8.332934	8.349151	8.343208	8.289501	8.339714	8.252084	8.231653	8.229217	8.296842	8.294543	8.262693
NFATC1	cg0358656	-0.09515	7.815333	-6.2402	1.19E-05	0.000112	3.029509	8.346329	8.322572	8.344728	8.297016	8.308862	8.343927	8.339696	8.329995	8.350524	8.319831	8.244307	8.265626	8.255321	8.276246	8.276365	8.277455
PPP2CB	cg1609078	-0.09509	6.943075	-3.83452	0.001466	0.00549	-1.84249	7.784393	7.739054	7.766457	7.784323	7.749575	7.736793	7.784884	7.777534	7.786694	7.72347	7.704436	7.671267	7.720603	7.720423	7.7268	7.72485
NRCAM	cg2435702	-0.09504	7.90897	-5.39622	5.97E-05	0.000411	1.339336	8.407228	8.4088	8.40367	8.430125	8.409964	8.422554	8.396415	8.426137	8.338878	8.404394	8.314492	8.310779	8.320826	8.342109	8.313819	8.326016
NEDD4L	cg1015060	-0.09498	7.836819	-4.35001	0.000498	0.002291	-0.78691	8.356629	8.362917	8.359854	8.332513	8.322801	8.330299	8.362478	8.372525	8.328675	8.334314	8.268075	8.254382	8.230911	8.307789	8.303264	8.317254
ABCG2	cg1987516	-0.09476	7.86059	-5.30445	7.16E-05	0.000477	1.171613	8.366826	8.360242	8.379308	8.3538	8.32621	8.366873	8.377503	8.382575	8.372765	8.339099	8.289113	8.277332	8.272899	8.323524	8.330904	8.29753
DOK1	cg1598909	-0.09475	7.565611	-7.42342	1.46E-06	2.09E-05	5.252364	8.168331	8.145728	8.153384	8.166354	8.14943	8.164715	8.153122	8.140305	8.168126	8.167864	8.097299	8.113369	8.092383	8.076738	8.091538	8.080009
PPARG	cg2592997	-0.09464	7.838133	-7.6593	9.80E-07	1.52E-05	5.583887	8.319717	8.332773	8.325011	8.355858	8.355633	8.333553	8.371075	8.35251	8.356122	8.340513	8.301238	8.294573	8.282263	8.276609	8.280278	8.280756
CUX1	cg0174465	-0.09452	7.739893	-4.01359	0.001006	0.004052	-1.45392	8.288792	8.29733	8.301045	8.265795	8.245802	8.274607	8.290645	8.2887	8.275335	8.257075	8.177353	8.184373	8.192947	8.215094	8.213487	8.27934
RPS6KA2	cg2149680	-0.09451	7.978685	-10.0502	2.60E-08	8.96E-07	9.268651	8.444475	8.453058	8.450933	8.428205	8.451983	8.460304	8.448966	8.449028	8.463464	8.447786	8.392387	8.378504	8.377038	8.3732	8.380357	8.388371
DLEC1	cg1082133	-0.09444	7.841606	-6.3947	8.94E-06	8.83E-05	3.312727	8.35332	8.337284	8.369597	8.382373	8.335502	8.335244	8.360154	8.356982	8.324517	8.357921	8.272557	8.273856	8.275213	8.295911	8.275125	8.293406
ADAMTS9	cg0325541	-0.0942	7.790055	-9.71036	4.18E-08	1.31E-06	8.841317	8.309771	8.317301	8.303298	8.300847	8.319539	8.303123	8.319891	8.308473	8.308483	8.329634	8.24545	8.250241	8.252422	8.25793	8.2353	8.249659
MFSD2A	cg2473753	-0.09411	7.439716	-5.11805	0.000104	0.000653	0.911342	8.067704	8.094092	8.092143	8.047527	8.046179	8.057681	8.071611	8.08201	8.092853	8.059093	7.986778	8.008671	7.994988	8.025298	8.033889	8.028571
MTSS1	cg1399297	-0.0941	7.319355	-3.30004	0.004526	0.013831	-2.86409	8.025584	8.020554	8.015111	7.986636	7.953872	7.961926	8.003646	8.007297	7.979553	7.990306	7.901769	7.90266	7.897837	7.967426	7.966524	7.96644
ATF3	cg1951961	-0.09408	7.822141	-7.37702	1.58E-06	2.22E-05	5.105171	8.325296	8.355893	8.349599	8.335331	8.323071	8.348541	8.337096	8.348162	8.316379	8.337944	8.249562	8.265293	8.256057	8.268868	8.27191	8.287592
CTNNBIP1	cg1667308	-0.09404	7.822273	-8.08662	4.87E-07	8.85E-06	6.312753	8.345803	8.34814	8.337414	8.336728	8.335845	8.342558	8.343028	8.342508	8.321738	8.329274	8.247679	8.272512	8.250713	8.267019	8.263757	8.293429
NKX3-1	cg1252943	-0.094	7.885921	-8.42553	2.84E-07	5.85E-06	6.839886	8.385421	8.389421	8.372523	8.350101	8.383554	8.384373	8.385215	8.378202	8.392535	8.387008	8.311997	8.328239	8.30243	8.319333	8.326098	8.311248
CBFA2T3	cg2682478	-0.09384	7.678044	-7.8538	7.11E-07	1.20E-05	5.964213	8.234985	8.248566	8.234259	8.221107	8.230756	8.216365	8.245267	8.233912	8.231546	8.237135	8.164075	8.157047	8.159439	8.167377	8.182322	8.193195
NDRG4	cg0155643	-0.09383	7.50855	-6.9564	3.26E-06	3.97E-05	4.436561	8.13544	8.113396	8.104142	8.126733	8.133608	8.124371	8.105046	8.106967	8.130044	8.123316	8.061296	8.065299	8.066171	8.042839	8.041718	8.036595
ABI2	cg0353123	-0.09379	7.312723	-6.16494	1.37E-05	0.000126	2.988175	7.970023	7.97843	7.987234	7.9969	7.993488	8.014582	7.975621	8.001391	7.989299	7.995736	7.937722	7.94282	7.942966	7.916371	7.927783	7.907641
MYH9	cg1290717	-0.09358	7.195432	-3.07701	0.007229	0.020162	-3.31906	7.939945	7.941896	7.93052	7.894202	7.89521	7.889371	7.921089	7.946797	7.891379	7.908921	7.824818	7.826351	7.823258	7.86867	7.922305	7.881083
ST7	cg2539254	-0.09337	7.825122	-6.02491	1.78E-05	0.000156	2.612649	8.341193	8.338863	8.345223	8.357784	8.328946	8.29212	8.348608	8.332444	8.337738	8.346766	8.267529	8.261822	8.268794	8.259822	8.285046	8.297621
CBFA2T3	cg0082596	-0.09313	7.67298	-10.2962	1.85E-08	6.96E-07	9.6993	8.235035	8.232029	8.227973	8.240964	8.225437	8.239036	8.228451	8.230333	8.22408	8.235409	8.155571	8.168142	8.173332	8.167104	8.152532	8.166123
ZHX2	cg0218463	-0.09308	7.365955	-6.52545	7.04E-06	7.26E-05	3.663029	8.01564	8.021043	8.003505	8.039564	8.026478	8.004767	8.022433	8.018024	8.03777	8.034231	7.976246	7.967555	7.983273	7.956051	7.943718	7.971841
IQGAP2	cg0910331	-0.09298	7.712573	-5.62627	3.81E-05	0.000284	1.875018	8.252792	8.244966	8.257851	8.267196	8.279672	8.273903	8.251926	8.266723	8.243725	8.262394	8.207511	8.16553	8.222731	8.204467	8.165842	8.174485
PTPRC	cg1866864	-0.09294	7.905679	-7.61511	1.05E-06	1.61E-05	5.482884	8.389103	8.387543	8.394424	8.402546	8.392617	8.407949	8.428084	8.396344	8.382507	8.382713	8.313714	8.328899	8.329491	8.334244	8.343503	8.322739
TDGF1	cg1983567	-0.09285	7.897556	-5.09222	0.000109	0.000678	0.722015	8.386705	8.390286	8.384797	8.362579	8.423984	8.354059	8.399726	8.381414	8.378108	8.421259	8.330218	8.328346	8.320547	8.349151	8.295301	8.3361
CUX1	cg2261651	-0.09275	7.383815	-5.10151	0.000107	0.000668	0.883283	8.019548	8.014667	8.01114	8.048674	8.043762	8.005289	8.019475	8.044142	8.055949	8.054108	7.988023	8.006084	7.995967	7.964845	7.956083	7.978845
PPM1A	cg2103409	-0.09268	7.802653	-8.12515	4.58E-07	8.42E-06	6.380812	8.312162	8.32466	8.312005	8.31339	8.325785	8.309036	8.329361	8.324202	8.338479	8.312131	8.268509	8.255263	8.250944	8.237445	8.279257	8.261577
HIVEP3	cg0256715	-0.09245	7.72879	-9.56277	5.16E-08	1.54E-06	8.641839	8.267786	8.276294	8.269602	8.27358	8.270023	8.265842	8.280844	8.25867	8.271258	8.267287	8.205293	8.205003	8.196805	8.215176	8.186941	8.211591
PKD1	cg2525651	-0.09239	7.395503	-5.97405	1.96E-05	0.000169	2.615165	8.046948	8.036531	8.057975	8.032643	8.011801	8.017516	8.049497	8.04063	8.058299	8.049196	7.986747	7.97403	7.975535	8.006321	8.010287	7.973436
TSSC4	cg2183112	-0.09238	7.790839	-6.92883	3.42E-06	4.13E-05	4.319836	8.317363	8.334146	8.320835	8.336734	8.309334	8.308272	8.318328	8.31762	8.310981	8.29095	8.215193	8.247087	8.238282	8.24265	8.24806	8.26535
GNMT	cg1629432	-0.09235	7.777528	-7.80159	7.74E-07	1.26E-05	5.851017	8.312482	8.326159	8.312368	8.313515	8.293859	8.304872	8.307581	8.302408	8.304371	8.288163	8.21782	8.222772	8.231787	8.229226	8.248153	8.254856
PAX6	cg0509151	-0.09232	7.826016	-9.90466	3.18E-08	1.06E-06	9.11388	8.339406	8.346157	8.35172	8.336715	8.354405	8.339496	8.332272	8.340388	8.336702	8.332857	8.28306	8.266762	8.250269	8.270536	8.271389	8.268574
FLNA	cg0623406	-0.09226	7.874221	-7.35688	1.63E-06	2.27E-05	5.048674	8.38637	8.385332	8.356674	8.36879	8.361146	8.398496	8.387336	8.369105	8.364879	8.367734	8.293356	8.312986	8.295071	8.312457	8.295454	8.318035
BMP2	cg1798726	-0.09223	7.890169	-7.81631	7.56E-07	1.25E-05	5.830823	8.382276	8.38328	8.38425	8.381888	8.366921	8.367049	8.390565	8.373074	8.415941	8.380064	8.315618	8.337566	8.311856	8.323204	8.330515	8.312547
MYH9	cg1751989	-0.09212	7.249109	-7.20778	2.11E-06	2.78E-05	4.904393	7.945798	7.938982	7.93947	7.953109	7.934374	7.957771	7.948471	7.952808	7.971604	7.93644	7.886278	7.900548	7.902923	7.902139	7.879874	7.885556
IGF2R	cg0667153	-0.09211	7.871634	-6.71907	4.97E-06	5.55E-05	3.904677	8.394148	8.372208	8.377742	8.37198	8.361913	8.385428	8.381398	8.374355	8.367718	8.350742	8.283917	8.297834	8.289035	8.309346	8.335982	8.289975
HIPK2	cg0158105	-0.09211	7.917448	-8.14345	4.45E-07	8.27E-06	6.369063	8.40283	8.409854	8.426744	8.386544	8.412064	8.409702	8.408095	8.410589	8.398223	8.396711	8.325071	8.325297	8.32641	8.338394	8.33883	8.357738
DDR2	cg2628551	-0.0921	7.685641	-9.02693	1.13E-07	2.87E-06	7.847088	8.242701	8.228001	8.248934	8.244679	8.243976	8.251107	8.235746	8.23743	8.242058	8.234216	8.190337	8.177454	8.158526	8.171761	8.162178	8.172689
AGTR1	cg2504725	-0.09206	7.796748	-5.8048	2.70E-05	0.000218	2.196765	8.333142	8.298565	8.33066	8.347121	8.315198	8.284902	8.31367	8.312094	8.315206	8.330226	8.240964	8.267049	8.247376	8.256592	8.264747	8.230314
FAM172A	cg1833113	-0.09201	7.864716	-5.57287	4.23E-05	0.000309	1.709699	8.377054	8.383775	8.3838	8.376248	8.346726	8.334507	8.375453	8.365057	8.367037	8.359033	8.284911	8.286773	8.272594	8.316599	8.329702	8.304728
NR0B2	cg1686803	-0.09193	7.701047	-5.90125	2.25E-05	0.000188	2.417204	8.258298	8.256025	8.255092	8.250865	8.239663	8.238961	8.246077	8.26855	8.228677	8.259067	8.164585	8.173626	8.183373	8.176192	8.2278	8.186042
SCGB3A1	cg2627034	-0.0919	7.467097	-6.45578	7.99E-06	8.06E-05	3.524035	8.10462	8.082037	8.113499	8.072241	8.098309	8.109179	8.072888	8.108694	8.084861	8.08183	8.015365	8.01341	8.027353	8.036926	8.021506	8.034741
STARD13	cg0330213	-0.09189	7.622415	-3.79819	0.001582	0.005843	-1.87237	8.233358	8.173679	8.192686	8.175007	8.24185	8.16917	8.214906	8.163675	8.183883	8.216335	8.117072	8.145617	8.128559	8.161487	8.131529	8.098178
MYH9	cg0634421	-0.09164	7.88107	-6.56019	6.61E-06	6.97E-05	3.60743	8.383693	8.390896	8.385124	8.402613	8.37288	8.389906	8.393759	8.388796	8.351321	8.358667	8.291174	8.301559	8.289744	8.310446	8.308775	8.333353
DAB2IP	cg1425468	-0.09159	7.787399	-7.83569	7.32E-07	1.22E-05	5.903995	8.307871	8.317604	8.308952	8.314725	8.286497	8.321559	8.32423	8.298045	8.303843	8.322497	8.253523	8.23641	8.243274	8.247301	8.235228	8.259887
L3MBTL4	cg2371873	-0.09151	7.708531	-3.15785	0.006103	0.017584	-3.23347	8.272302	8.261013	8.272688	8.210104	8.214144	8.241736	8.275272	8.288908	8.249479	8.232821	8.146065	8.173276	8.156237	8.227224	8.243312	8.232785
ALOX15	cg1584382	-0.09136	7.799576	-7.91198	6.46E-07	1.11E-05	6.027089	8.316979	8.303719	8.317429	8.292596	8.328271	8.312708	8.32793	8.30937	8.317994	8.342745	8.26484	8.268009	8.249693	8.24946	8.258046	8.259372
NFATC2	cg0879279	-0.09134	7.75519	-9.37899	6.74E-08	1.89E-06	8.36299	8.290222	8.302912	8.285158	8.285278	8.274811	8.289181	8.282266	8.290113	8.298824	8.282451	8.214165	8.229184	8.214862	8.221672	8.222916	8.233959
DKK3	cg2578798	-0.09128	7.438727	-6.75983	4.62E-06	5.23E-05	4.089415	8.10219	8.067199	8.087923	8.094941	8.076611	8.065217	8.059432	8.073708	8.058	8.070149	8.000367	7.993222	8.004333	7.997535	8.029019	7.999592
SMAD4	cg0040018	-0.09127	7.925604	-6.32347	1.02E-05	9.87E-05	3.136598	8.387924	8.375842	8.424672	8.423078	8.40511	8.382436	8.412782	8.41893	8.412	8.426134	8.34946	8.362252	8.352878	8.348044	8.322812	8.363069
SETD2	cg0951400	-0.09116	7.870673	-5.30376	7.17E-05	0.000477	1.167249	8.372911	8.386226	8.375884	8.347068	8.393615	8.35253	8.360177	8.389754	8.392788	8.339681	8.276833	8.298257	8.304755	8.307525	8.306794	8.327781
FOXP1	cg2282167	-0.09115	7.576412	-6.31929	1.03E-05	9.92E-05	3.247652	8.146063	8.157619	8.161051	8.178413	8.152585	8.147039	8.157517	8.162891	8.153421	8.198964	8.099289	8.115229	8.119857	8.095401	8.090507	8.109121
ARNTL	cg0650196	-0.09104	7.620747	-5.6701	3.50E-05	0.000265	1.985669	8.212659	8.217033	8.203947	8.199969	8.1791	8.19798	8.203609	8.1999	8.186378	8.169738	8.096942	8.1202	8.108342	8.146631	8.14157	8.144208
PLXNC1	cg1529883	-0.09089	7.544955	-6.33703	9.94E-06	9.67E-05	3.28881	8.14399	8.135676	8.144524	8.164431	8.123308	8.151592	8.159424	8.132748	8.153589	8.12158	8.076601	8.076792	8.080838	8.063858	8.101215	8.076016
TSLP	cg2532818	-0.09083	7.752096	-7.70163	9.13E-07	1.43E-05	5.687838	8.305511	8.275054	8.286008	8.273647	8.285212	8.281134	8.286308	8.294005	8.277262	8.289619	8.211535	8.219228	8.212975	8.22169	8.249329	8.214688
CYLD	cg0652788	-0.09083	7.848399	-7.64771	9.99E-07	1.54E-05	5.563674	8.365419	8.35399	8.361423	8.356156	8.378981	8.333328	8.348824	8.359808	8.342724	8.358792	8.268836	8.287592	8.291818	8.285208	8.301062	8.282583
FAS	cg1595076	-0.09078	7.750626	-8.79919	1.60E-07	3.72E-06	7.476992	8.274173	8.263208	8.27802	8.279433	8.261748	8.271543	8.285254	8.294089	8.293421	8.299128	8.218106	8.216826	8.250987	8.223319	8.229541	8.227324
DOK2	cg2116371	-0.09068	7.921474	-7.92774	6.30E-07	1.09E-05	6.007766	8.412647	8.396693	8.40681	8.406153	8.407783	8.419082	8.396657	8.438599	8.399216	8.394984	8.332876	8.338621	8.336481	8.3365	8.353003	8.343551
TBX5	cg1817305	-0.09064	7.470597	-4.10164	0.000836	0.003487	-1.20163	8.112593	8.108412	8.10632	8.080878	8.078391	8.068908	8.112429	8.102556	8.087452	8.068552	8.019536	7.994437	8.000922	8.053252	8.060573	8.059454
ALPL	cg0985959	-0.09062	7.792168	-3.64134	0.002203	0.007688	-2.25714	8.333827	8.353841	8.3261	8.291125	8.28927	8.303503	8.33337	8.322901	8.297538	8.299014	8.213555	8.21143	8.218537	8.297458	8.273931	8.271536
STK11	cg0825601	-0.09052	7.534696	-5.31213	7.05E-05	0.000472	1.287777	8.098085	8.098946	8.132574	8.1288	8.137648	8.111589	8.164184	8.117014	8.153189	8.15063	8.078291	8.098224	8.1074	8.080592	8.065598	8.072774
RAP1A	cg1759857	-0.0905	7.876149	-8.89583	1.38E-07	3.34E-06	7.589339	8.386135	8.37196	8.375572	8.365506	8.368115	8.378008	8.381855	8.378422	8.378109	8.361127	8.296663	8.303459	8.302666	8.308315	8.331944	8.30718
TDGF1	cg1618070	-0.09047	7.866401	-6.06375	1.65E-05	0.000146	2.67162	8.377329	8.365211	8.3814	8.342958	8.371426	8.390297	8.353128	8.351324	8.364612	8.392053	8.305884	8.285721	8.321964	8.283899	8.290206	8.306023
LIFR	cg0544292	-0.09042	7.85229	-5.45546	5.31E-05	0.000373	1.478352	8.342977	8.356792	8.368548	8.316505	8.333419	8.37364	8.380337	8.354606	8.370955	8.344684	8.292343	8.286382	8.277348	8.322796	8.287626	8.311876
THRB	cg2284218	-0.09037	7.772548	-5.84171	2.52E-05	0.000205	2.275889	8.303945	8.272077	8.300646	8.321355	8.264534	8.28387	8.281749	8.319706	8.316512	8.305495	8.236843	8.247244	8.243092	8.232901	8.255668	8.227809
FHL1	cg2099965	-0.09034	7.878004	-8.79538	1.61E-07	3.74E-06	7.433182	8.382863	8.387643	8.387566	8.376356	8.363083	8.387422	8.371888	8.380603	8.375152	8.364326	8.284775	8.310443	8.301889	8.314375	8.315585	8.312784
NOTCH1	cg0381008	-0.09027	7.783426	-7.94894	6.09E-07	1.07E-05	6.095908	8.316211	8.318262	8.322439	8.292542	8.303534	8.298536	8.309354	8.304268	8.31106	8.3058	8.23984	8.227934	8.228411	8.252929	8.243846	8.261569
LEFTY1	cg1077444	-0.0902	7.188658	-6.9907	3.07E-06	3.79E-05	4.517748	7.907487	7.914732	7.920183	7.926752	7.927541	7.918369	7.927044	7.917982	7.888786	7.892585	7.843193	7.848489	7.844631	7.86114	7.842054	7.856493
SEMA3F	cg2533690	-0.09015	7.802981	-7.86345	7.00E-07	1.18E-05	5.945714	8.33604	8.323121	8.334563	8.309903	8.304706	8.313086	8.315242	8.321278	8.321053	8.333998	8.24781	8.257783	8.241791	8.261009	8.262587	8.274066
TGFBR3	cg0300352	-0.09006	7.854224	-5.56793	4.27E-05	0.00031	1.703763	8.360966	8.373028	8.353945	8.353327	8.331501	8.363034	8.353753	8.373469	8.355577	8.358322	8.300894	8.265835	8.289996	8.2726	8.338265	8.298736
NFATC1	cg0575399	-0.09005	7.50125	-6.23244	1.21E-05	0.000114	3.097904	8.10486	8.115621	8.138446	8.090427	8.107224	8.105396	8.120172	8.120781	8.109295	8.107948	8.040232	8.040034	8.038134	8.075714	8.056632	8.06766
WFDC1	cg0126476	-0.09	7.760688	-6.51067	7.23E-06	7.41E-05	3.559746	8.292055	8.305002	8.297385	8.291561	8.274017	8.277002	8.293625	8.302251	8.29986	8.276826	8.215841	8.209684	8.223045	8.220072	8.243708	8.257995
NFATC2	cg0181142	-0.0899	7.910136	-8.54553	2.36E-07	5.02E-06	7.023408	8.394743	8.402584	8.388369	8.394111	8.387655	8.406569	8.393349	8.415502	8.417012	8.379313	8.328966	8.333234	8.33696	8.343076	8.334085	8.332209
PLXNC1	cg1873890	-0.08976	7.894983	-4.46628	0.000391	0.001899	-0.56796	8.409881	8.39381	8.41188	8.38839	8.375593	8.403493	8.398339	8.372562	8.374945	8.384894	8.303186	8.312334	8.303799	8.386136	8.309817	8.284797
MFSD2A	cg0391393	-0.08967	7.643197	-9.32588	7.28E-08	2.02E-06	8.307172	8.206308	8.220895	8.208276	8.218809	8.203259	8.219374	8.206266	8.202008	8.20662	8.214873	8.147649	8.15296	8.140273	8.129351	8.149061	8.147341
WNT5A	cg0286769	-0.08953	7.854894	-6.12896	1.46E-05	0.000132	2.802823	8.378166	8.359637	8.369285	8.348171	8.36896	8.365099	8.368815	8.320129	8.357175	8.37598	8.289145	8.312183	8.278293	8.274736	8.2967	8.288863
IRF5	cg1434953	-0.08953	7.528254	-6.71682	4.99E-06	5.56E-05	3.99787	8.133558	8.134363	8.141365	8.112547	8.147433	8.114114	8.141188	8.122177	8.134263	8.127277	8.048633	8.083511	8.058196	8.07794	8.076342	8.073897
ADARB1	cg1178093	-0.08947	7.860168	-6.91672	3.50E-06	4.21E-05	4.265858	8.347434	8.36839	8.334672	8.342646	8.3526	8.359227	8.35182	8.359787	8.391001	8.377468	8.315266	8.310659	8.317876	8.287933	8.301568	8.292513
ZYX	cg1853911	-0.08943	6.786714	-2.85932	0.011372	0.029116	-3.96936	7.711278	7.632321	7.635794	7.677273	7.650592	7.694571	7.698028	7.672195	7.710338	7.641749	7.622821	7.667106	7.610518	7.634111	7.640008	7.600872
CREM	cg0646763	-0.08914	7.882229	-3.35316	0.004047	0.012613	-2.90185	8.366508	8.420788	8.376941	8.40644	8.353655	8.366939	8.365273	8.395825	8.366611	8.379368	8.293305	8.308891	8.306117	8.254292	8.31781	8.388211
MCPH1	cg0874928	-0.08911	7.944979	-7.13259	2.40E-06	3.08E-05	4.620514	8.414335	8.428503	8.426304	8.402391	8.429068	8.450375	8.435144	8.428128	8.419696	8.413101	8.365684	8.357153	8.341353	8.361608	8.345131	8.375491
PYCARD	cg0590783	-0.08909	7.784273	-5.83803	2.53E-05	0.000206	2.266291	8.320799	8.317836	8.325202	8.304455	8.296752	8.276615	8.307249	8.314319	8.301014	8.313756	8.227169	8.232182	8.225906	8.252709	8.256023	8.27425
RASL11A	cg1500911	-0.08907	7.845466	-4.15464	0.000748	0.003191	-1.1999	8.374415	8.362577	8.364788	8.361082	8.33344	8.33501	8.362343	8.369267	8.315644	8.353783	8.2519	8.274613	8.258498	8.275585	8.324343	8.326408
IGFALS	cg0062911	-0.08904	7.939688	-9.04208	1.11E-07	2.81E-06	7.788105	8.413014	8.417232	8.4063	8.393029	8.399594	8.412495	8.433055	8.422357	8.434844	8.42465	8.354344	8.363655	8.354971	8.358939	8.385686	8.35683
SELENBP1	cg1101688	-0.08895	7.515509	-6.35819	9.56E-06	9.33E-05	3.333929	8.125218	8.124648	8.127994	8.133924	8.093319	8.139992	8.120389	8.112476	8.121642	8.129889	8.050746	8.05863	8.073763	8.038959	8.073776	8.065397
BMPR1A	cg2526169	-0.08893	7.833949	-7.88268	6.78E-07	1.15E-05	5.966668	8.337015	8.349884	8.333468	8.338457	8.361353	8.325834	8.336318	8.356506	8.346254	8.34254	8.27574	8.287852	8.27789	8.299093	8.268832	8.273671
SEPT4	cg2390649	-0.08886	7.824227	-8.62026	2.10E-07	4.62E-06	7.176976	8.333432	8.343849	8.349973	8.345456	8.34419	8.341413	8.321313	8.341311	8.339318	8.329936	8.269841	8.263324	8.277472	8.252891	8.259286	8.287243
SPARCL1	cg0535087	-0.08883	7.847309	-7.71035	9.00E-07	1.42E-05	5.670848	8.346285	8.371737	8.356244	8.332633	8.360166	8.365938	8.349881	8.36521	8.349306	8.343789	8.284135	8.281031	8.27656	8.281196	8.301045	8.298686
CUX1	cg1451977	-0.08871	7.837659	-8.7862	1.63E-07	3.77E-06	7.431744	8.332179	8.337928	8.353821	8.340233	8.347685	8.347814	8.343422	8.343525	8.350064	8.355822	8.295652	8.299739	8.271497	8.281769	8.281833	8.270039
SMAD4	cg0576931	-0.08871	7.764984	-7.40514	1.50E-06	2.14E-05	5.174561	8.297657	8.305366	8.312697	8.291083	8.315105	8.289548	8.294899	8.298626	8.272932	8.293601	8.215	8.22233	8.217249	8.216603	8.243092	8.242995
PLXNC1	cg2473120	-0.08871	7.664345	-5.73833	3.07E-05	0.000241	2.107019	8.207138	8.203868	8.22523	8.218808	8.235654	8.215056	8.227295	8.219363	8.223171	8.240645	8.162494	8.161067	8.195155	8.170509	8.173972	8.126508
AHNAK	cg0124980	-0.0887	7.830761	-8.70847	1.83E-07	4.13E-06	7.312107	8.337724	8.330912	8.339458	8.325428	8.345948	8.349741	8.34254	8.349579	8.332758	8.348358	8.275565	8.297405	8.264455	8.277522	8.274775	8.28202
TNFAIP8L2	cg1772023	-0.08863	7.4416	-6.57345	6.46E-06	6.83E-05	3.745987	8.084966	8.077079	8.088206	8.071187	8.076289	8.07379	8.083458	8.079192	8.050262	8.065285	7.984686	8.004988	8.002603	8.023086	8.028368	8.015469
CHD5	cg0464802	-0.08857	7.62189	-7.07234	2.66E-06	3.38E-05	4.621799	8.192323	8.193761	8.195003	8.19675	8.202862	8.164731	8.20054	8.19196	8.183662	8.210447	8.138218	8.139159	8.117664	8.128129	8.134237	8.15008
LRMP	cg1720673	-0.08857	7.432921	-4.24462	0.00062	0.002739	-0.89601	8.048126	8.056483	8.050936	8.088821	8.086609	8.079073	8.050019	8.065349	8.075986	8.07477	8.049853	8.016002	8.021407	7.973966	7.981445	7.9996
TCF7L2	cg1393693	-0.08854	7.749389	-8.23486	3.84E-07	7.41E-06	6.577692	8.279004	8.276287	8.287666	8.267594	8.29486	8.271134	8.298154	8.287794	8.268425	8.288719	8.213107	8.220776	8.213575	8.22249	8.233092	8.229809
SELENBP1	cg0995547	-0.08841	7.749192	-6.3269	1.01E-05	9.82E-05	3.219374	8.279414	8.29947	8.303658	8.287944	8.263599	8.273815	8.293307	8.27975	8.287445	8.268993	8.209292	8.208227	8.200195	8.219195	8.24426	8.232228
PER2	cg0822429	-0.08839	7.672097	-6.11731	1.49E-05	0.000135	2.842503	8.247088	8.21356	8.213613	8.235852	8.250915	8.236555	8.229111	8.223389	8.223473	8.23168	8.186069	8.175025	8.158026	8.139268	8.153379	8.175032
PPARG	cg2427153	-0.08837	7.815911	-7.9265	6.31E-07	1.10E-05	6.04666	8.334242	8.334265	8.322585	8.320451	8.323977	8.324127	8.335454	8.340582	8.344277	8.312125	8.252237	8.276424	8.255649	8.268542	8.278441	8.281479
ZMYND11	cg1209494	-0.08828	7.890781	-3.36218	0.003971	0.012427	-2.88594	8.345173	8.409584	8.351847	8.37358	8.430617	8.448899	8.408502	8.387792	8.361492	8.3606	8.347751	8.312093	8.323353	8.305679	8.292276	8.306613
NUMB	cg1203238	-0.08824	7.780489	-8.694	1.88E-07	4.20E-06	7.307437	8.318809	8.3063	8.311384	8.317036	8.310603	8.322112	8.287752	8.303129	8.309455	8.299453	8.229779	8.238166	8.258096	8.229786	8.233931	8.228014
MYH9	cg0377702	-0.08821	7.510129	-8.29723	3.48E-07	6.88E-06	6.727519	8.1092	8.121784	8.110476	8.131518	8.119145	8.116132	8.121718	8.122361	8.11697	8.113695	8.056585	8.062534	8.060873	8.073582	8.05732	8.039038
KLF4	cg1870831	-0.08816	6.891971	-2.77739	0.013468	0.033337	-4.05058	7.720687	7.727588	7.686872	7.74251	7.713681	7.711849	7.750152	7.755055	7.746407	7.726047	7.661306	7.675054	7.741854	7.7415	7.641894	7.693708
IRF5	cg2412618	-0.08816	7.881593	-6.96504	3.21E-06	3.92E-05	4.347157	8.389706	8.379961	8.38622	8.373912	8.354324	8.378458	8.383316	8.372171	8.376232	8.382034	8.295635	8.312374	8.30823	8.301205	8.318376	8.345681
TRIM3	cg0979846	-0.08809	7.79561	-7.69832	9.18E-07	1.44E-05	5.667063	8.310927	8.315231	8.323162	8.286745	8.303326	8.306732	8.303643	8.322213	8.324553	8.334171	8.265702	8.255514	8.239974	8.262072	8.258165	8.261863
GATA5	cg2566784	-0.08805	7.630999	-6.84696	3.96E-06	4.64E-05	4.213723	8.194847	8.214048	8.190717	8.204623	8.203005	8.177319	8.199836	8.21138	8.207754	8.191267	8.154033	8.134638	8.119963	8.135469	8.160166	8.140163
SCGB3A1	cg0731736	-0.08804	7.539094	-7.29861	1.80E-06	2.46E-05	5.039901	8.137408	8.130535	8.142006	8.140003	8.142202	8.156729	8.124753	8.132102	8.152052	8.134194	8.082767	8.084522	8.08595	8.064579	8.077825	8.055494
UVRAG	cg1215916	-0.088	7.881925	-7.909	6.49E-07	1.12E-05	5.99222	8.365137	8.390212	8.391693	8.381554	8.364444	8.36934	8.378097	8.382991	8.383842	8.370189	8.293607	8.317406	8.310759	8.310981	8.331832	8.319438
TP53BP2	cg0210744	-0.08799	7.825799	-3.61623	0.002323	0.008012	-2.3219	8.372185	8.346239	8.363493	8.322001	8.340686	8.347355	8.337605	8.336169	8.300728	8.349976	8.241891	8.239655	8.271084	8.2987	8.328877	8.223176
FAM188A	cg1525044	-0.08798	7.890752	-7.13779	2.38E-06	3.06E-05	4.651681	8.388808	8.363208	8.373494	8.37291	8.380433	8.388609	8.385996	8.401408	8.409254	8.357585	8.319072	8.321115	8.328724	8.319849	8.329544	8.323232
FAT4	cg1039992	-0.08795	7.827793	-6.24309	1.18E-05	0.000112	3.028617	8.330085	8.320455	8.343407	8.326565	8.347041	8.30922	8.318503	8.362887	8.356688	8.341445	8.288496	8.273415	8.282366	8.260491	8.281859	8.297354
ST7	cg1913916	-0.08788	7.713725	-8.9651	1.24E-07	3.11E-06	7.745589	8.253606	8.260807	8.260576	8.265287	8.260714	8.232654	8.261805	8.255113	8.258428	8.263063	8.197593	8.19977	8.185847	8.199229	8.198477	8.200393

LRIG1	cg1872913	-0.08761	7.95451	-5.41385	5.77E-05	0.000399	1.352156	8.432705	8.458488	8.433999	8.420846	8.492436	8.422899	8.415595	8.438217	8.426991	8.413495	8.365299	8.356665	8.352775	8.368357	8.351639	8.355427
TXNIP	cg1969303	-0.08751	7.832224	-7.23771	2.00E-06	2.66E-05	4.855921	8.339561	8.355924	8.335111	8.32386	8.360343	8.346184	8.332826	8.359099	8.329799	8.343553	8.278389	8.275706	8.268986	8.263449	8.289441	8.288974
CDH13	cg0730194	-0.08745	7.011915	-4.35835	0.000489	0.002267	-0.69417	7.802102	7.797215	7.802175	7.769246	7.799802	7.843887	7.788427	7.801019	7.813104	7.815225	7.7597	7.766278	7.750715	7.751263	7.721008	7.758289
HIC1	cg1812491	-0.08733	6.937168	-8.38829	3.01E-07	6.14E-06	6.816268	7.764585	7.760942	7.75411	7.764447	7.762756	7.757115	7.767816	7.760615	7.759315	7.750001	7.706958	7.693215	7.714876	7.711498	7.720173	7.697337
SRGAP3	cg2175754	-0.08716	7.648398	-5.18734	9.03E-05	0.000581	1.012228	8.233962	8.21032	8.224561	8.217413	8.202145	8.227199	8.213406	8.232007	8.195069	8.192843	8.132333	8.156585	8.111043	8.143821	8.170048	8.168382
ZNF366	cg1972155	-0.08713	7.724828	-4.67556	0.000254	0.00134	-0.06232	8.227463	8.277907	8.264086	8.279397	8.261908	8.264082	8.245123	8.263206	8.258534	8.304033	8.211275	8.223415	8.226403	8.175893	8.2024	8.19284
ST7	cg2094163	-0.08703	7.798381	-5.09396	0.000109	0.000676	0.777157	8.326692	8.346854	8.335848	8.310829	8.366476	8.322567	8.317546	8.327547	8.306295	8.279055	8.235472	8.230778	8.231229	8.252552	8.275781	8.242054
MFSD2A	cg2472547	-0.08696	7.835322	-7.37832	1.57E-06	2.22E-05	5.102208	8.34967	8.361606	8.332788	8.349236	8.339985	8.344536	8.3409	8.357494	8.331216	8.342195	8.26468	8.29568	8.259699	8.291095	8.27851	8.287323
LIMD1	cg1119291	-0.08691	7.890274	-5.34906	6.55E-05	0.000444	1.24973	8.382945	8.395441	8.388341	8.404561	8.370562	8.372637	8.380786	8.403344	8.368901	8.378169	8.312122	8.322998	8.292349	8.291573	8.347545	8.346145
CHD5	cg2371437	-0.0869	7.294285	-6.5107	7.23E-06	7.41E-05	3.64034	7.984555	7.977336	7.972506	7.968896	7.981931	8.000973	7.989244	7.988042	7.962114	7.95852	7.900713	7.917844	7.915414	7.927087	7.926408	7.919282
DUSP26	cg0648265	-0.08684	7.696041	-4.48715	0.000375	0.001836	-0.44631	8.255593	8.246479	8.248146	8.245878	8.238262	8.21043	8.263592	8.265233	8.239331	8.225039	8.152732	8.175987	8.168657	8.2279	8.185938	8.207978
CMTM5	cg2128475	-0.08663	7.40324	-3.51157	0.002898	0.009596	-2.43125	8.082536	8.060959	8.07944	8.026979	8.024113	8.043586	8.059898	8.045045	8.049302	8.021236	7.948507	7.96637	7.960453	8.006241	8.027406	8.007482
CBFA2T3	cg0076267	-0.08662	7.801437	-6.11993	1.49E-05	0.000134	2.808258	8.326108	8.330943	8.335741	8.338257	8.304489	8.334407	8.315952	8.321891	8.334561	8.286824	8.250568	8.248135	8.240771	8.240118	8.279134	8.253316
LRIG1	cg1226038	-0.08656	7.440644	-3.07458	0.007266	0.020235	-3.33855	8.093636	8.084827	8.108585	8.045299	8.035429	8.082655	8.084021	8.087386	8.050332	8.057885	7.983573	7.962128	7.998799	8.060303	8.016427	8.049083
SMYD4	cg0990173	-0.08654	7.838479	-7.18888	2.17E-06	2.86E-05	4.770125	8.348337	8.381336	8.356133	8.352843	8.357083	8.367247	8.355508	8.330007	8.345922	8.320307	8.276206	8.26776	8.266114	8.288269	8.285819	8.264724
PPP2R5C	cg0098605	-0.08652	7.899262	-8.18883	4.13E-07	7.84E-06	6.450685	8.394907	8.402148	8.382442	8.396606	8.389234	8.383195	8.393758	8.394769	8.389431	8.380693	8.330087	8.326188	8.306262	8.314148	8.34813	8.329871
TSSC4	cg0657752	-0.08649	7.753377	-6.56548	6.55E-06	6.91E-05	3.663754	8.287087	8.296099	8.273151	8.26645	8.27496	8.28407	8.296825	8.285703	8.266568	8.306524	8.217174	8.210925	8.23033	8.222687	8.22762	8.251153
NFATC1	cg1578481	-0.08622	7.764518	-4.4351	0.000417	0.002001	-0.57402	8.304044	8.321889	8.319642	8.305766	8.303195	8.295066	8.311995	8.303961	8.267515	8.255394	8.199794	8.204028	8.193331	8.234438	8.251181	8.25345
KLK10	cg2479067	-0.08621	7.484282	-3.06266	0.007449	0.020655	-3.36874	8.130608	8.123949	8.130637	8.070347	8.106789	8.094286	8.12408	8.107739	8.082615	8.067644	8.015227	8.012354	7.984518	8.089758	8.054478	8.065819
DICER1	cg2429373	-0.0862	7.356875	-6.69918	5.15E-06	5.67E-05	3.984801	8.034701	8.014777	8.017826	8.004916	8.018717	8.017687	8.002585	8.0275	8.00035	8.034659	7.964938	7.956436	7.946032	7.968163	7.952662	7.966752
ZMYND10	cg0862580	-0.0862	7.55917	-5.42332	5.66E-05	0.000392	1.508843	8.171207	8.136373	8.135184	8.182865	8.150158	8.148041	8.148809	8.143196	8.155009	8.150117	8.095195	8.088315	8.109629	8.067059	8.07283	8.105258
DOK1	cg1802259	-0.08614	7.808118	-7.93072	6.27E-07	1.09E-05	6.056805	8.338752	8.318253	8.321519	8.306327	8.320472	8.325303	8.317159	8.335411	8.311764	8.340174	8.261217	8.261975	8.253214	8.263851	8.263573	8.277181
PAFAH1B1	cg1507729	-0.08612	7.921223	-6.50554	7.30E-06	7.47E-05	3.483093	8.395643	8.393869	8.415834	8.397735	8.383244	8.419174	8.405824	8.407621	8.440393	8.384051	8.344202	8.352934	8.343202	8.341634	8.350051	8.340973
TSC22D1	cg2302410	-0.08611	7.608252	-7.93902	6.18E-07	1.08E-05	6.122446	8.189863	8.179049	8.178885	8.196137	8.19301	8.194571	8.185235	8.196968	8.178993	8.166933	8.13905	8.113505	8.113841	8.122291	8.121439	8.121154
MME	cg2403385	-0.08604	7.673418	-4.83224	0.000185	0.001035	0.278756	8.233727	8.201425	8.246213	8.250972	8.235474	8.251445	8.217689	8.219647	8.222193	8.241495	8.18458	8.172978	8.176279	8.119406	8.16824	8.165331
SGMS1	cg1063151	-0.08602	7.887031	-5.16888	9.37E-05	0.000601	0.883095	8.356778	8.36796	8.402234	8.367419	8.338043	8.407426	8.375541	8.376766	8.385962	8.406383	8.331998	8.32522	8.326013	8.33027	8.304988	8.317469
PLEKHO1	cg1942523	-0.08602	7.921484	-4.56081	0.000322	0.001619	-0.38735	8.414177	8.426036	8.403605	8.368655	8.428369	8.376881	8.430132	8.407301	8.389598	8.40704	8.316299	8.32719	8.332452	8.357507	8.365219	8.3695
DAB2IP	cg1438354	-0.08602	7.665571	-6.74047	4.78E-06	5.38E-05	4.011074	8.214827	8.235697	8.225063	8.210769	8.212246	8.214311	8.236019	8.230431	8.210763	8.231365	8.14689	8.155054	8.163577	8.193291	8.174953	8.163888
HIPK2	cg2178324	-0.0859	7.867741	-5.24165	8.10E-05	0.000531	1.041808	8.385364	8.362282	8.368082	8.342873	8.371739	8.35383	8.390378	8.370059	8.355127	8.36159	8.283684	8.293346	8.293901	8.3153	8.350239	8.300536
TMEFF2	cg0685652	-0.08589	7.358087	-2.96299	0.009171	0.024444	-3.55619	7.988619	7.998022	7.998174	8.03625	8.042206	8.034368	8.006174	7.99553	8.031823	8.04079	7.976977	7.998699	8.006026	7.915098	7.916023	7.958375
SCGB3A1	cg0193462	-0.08584	7.768264	-6.83753	4.02E-06	4.70E-05	4.161071	8.300318	8.295464	8.301776	8.293982	8.289283	8.316514	8.302289	8.29227	8.280615	8.300499	8.244407	8.224141	8.222916	8.213215	8.259997	8.227674
PRODH	cg0268874	-0.08579	7.337296	-5.12901	0.000101	0.000642	0.943324	7.962663	7.994479	7.990378	8.015476	8.002809	8.003389	8.00409	8.013196	8.008494	8.013558	7.956701	7.958118	7.980401	7.957711	7.925025	7.941294
LEFTY1	cg1560495	-0.08579	7.595326	-5.77321	2.87E-05	0.000228	2.193334	8.189399	8.18178	8.182999	8.16758	8.165218	8.163531	8.187725	8.1839	8.1649	8.166841	8.102113	8.113273	8.083727	8.132708	8.128216	8.13629
PDSS2	cg0195989	-0.08576	7.908316	-5.70586	3.27E-05	0.000251	1.952929	8.413044	8.411421	8.395566	8.393265	8.377276	8.395927	8.386864	8.384083	8.408295	8.405172	8.300998	8.350379	8.340992	8.312212	8.35771	8.33383
NFATC1	cg0530270	-0.08576	7.858804	-4.38412	0.000464	0.002174	-0.72457	8.38583	8.382067	8.359863	8.351926	8.346456	8.348714	8.354775	8.370148	8.380929	8.333545	8.294189	8.284632	8.264383	8.318371	8.278146	8.342246
PTPN6	cg0030865	-0.08573	7.780905	-6.31491	1.04E-05	9.99E-05	3.186062	8.311191	8.313325	8.303552	8.29376	8.298738	8.325341	8.314279	8.286082	8.305275	8.307888	8.222101	8.267417	8.236267	8.231022	8.233541	8.258363
CTNNBIP1	cg0521609	-0.0857	7.694258	-5.00788	0.000129	0.000776	0.632164	8.246838	8.254144	8.247403	8.209329	8.232891	8.242089	8.245864	8.247039	8.243512	8.251556	8.166335	8.182475	8.176185	8.157455	8.215543	8.218442
PARK2	cg0376285	-0.08567	7.579833	-3.35582	0.004025	0.012553	-2.78824	8.183696	8.18819	8.176943	8.136474	8.126978	8.129546	8.17081	8.18522	8.152981	8.17026	8.074268	8.087906	8.074201	8.140603	8.142976	8.141918
STARD13	cg1156384	-0.08564	7.77606	-6.31681	1.03E-05	9.96E-05	3.19143	8.30926	8.326352	8.29189	8.321074	8.288139	8.290035	8.299673	8.309371	8.295776	8.294188	8.220404	8.238474	8.230524	8.254132	8.227202	8.256875
STK11	cg0690954	-0.08563	7.817232	-5.46896	5.18E-05	0.000364	1.527546	8.333695	8.353109	8.333191	8.36515	8.338531	8.357804	8.297211	8.348802	8.308964	8.330316	8.246115	8.287713	8.262225	8.260995	8.257375	8.240374
CBFA2T3	cg0294886	-0.08555	7.590209	-8.04931	5.17E-07	9.29E-06	6.308109	8.170105	8.168641	8.161952	8.1598	8.182218	8.161343	8.180188	8.167323	8.181879	8.169757	8.114191	8.111804	8.121034	8.097804	8.128912	8.117147
ILK	cg2508959	-0.08553	7.840847	-6.71591	4.99E-06	5.57E-05	3.909511	8.337325	8.367175	8.337728	8.323425	8.342103	8.353936	8.352973	8.32766	8.366086	8.35463	8.298999	8.287309	8.286086	8.278596	8.279914	8.295514
LIFR	cg0000391	-0.08552	7.86186	-7.1803	2.21E-06	2.89E-05	4.740723	8.349424	8.368413	8.368169	8.379642	8.336972	8.35716	8.370047	8.36006	8.368967	8.359849	8.303568	8.296467	8.299662	8.316196	8.282903	8.312892
IGF2R	cg2728540	-0.08552	7.703778	-4.91006	0.000158	0.000909	0.429506	8.210605	8.245829	8.263866	8.26315	8.274996	8.241577	8.238268	8.253618	8.253164	8.258372	8.215993	8.182873	8.209208	8.166425	8.187862	8.177378
MADD	cg1912661	-0.08549	7.83902	-8.17292	4.24E-07	7.96E-06	6.4467	8.349543	8.344085	8.334913	8.328915	8.354241	8.336015	8.360194	8.336695	8.363202	8.338313	8.287166	8.278679	8.293189	8.279863	8.293002	8.290356
ZHX2	cg1751160	-0.08545	7.80058	-4.34856	0.000499	0.002295	-0.77296	8.34262	8.340014	8.314104	8.312725	8.306128	8.296449	8.347588	8.318318	8.299665	8.310966	8.247052	8.223717	8.228851	8.27573	8.28584	8.281564
CDH13	cg0863139	-0.08543	7.435534	-4.56992	0.000316	0.001595	-0.21645	8.083377	8.065975	8.085494	8.041661	8.059494	8.067105	8.069421	8.081202	8.046944	8.077376	7.980137	8.022655	7.988169	8.005946	8.041163	8.02906
PRKCDBP	cg1222915	-0.0853	7.405858	-6.07726	1.61E-05	0.000143	2.813862	8.047204	8.071299	8.051558	8.064663	8.031914	8.048875	8.054636	8.055069	8.040405	8.034786	7.975301	7.993068	7.974348	8.01153	7.999488	7.981178
KLF6	cg0861487	-0.08528	7.315681	-3.69014	0.001987	0.007064	-2.05069	8.000964	7.999558	7.988497	7.975374	7.960189	7.973179	8.013166	8.018987	7.968203	7.978196	7.903699	7.919667	7.91409	7.956905	7.971843	7.965597
CD82	cg1240665	-0.08526	7.744298	-6.82446	4.12E-06	4.79E-05	4.146272	8.291928	8.298572	8.282252	8.297354	8.275049	8.281501	8.286404	8.275158	8.261297	8.271629	8.207627	8.222057	8.183138	8.217011	8.215186	8.229992
VPS53	cg2276485	-0.08523	7.856299	-6.82405	4.12E-06	4.79E-05	4.103417	8.35977	8.371761	8.362795	8.348621	8.360943	8.375468	8.362276	8.354849	8.341396	8.366334	8.283138	8.315346	8.273309	8.28489	8.293025	8.31307
SMAD4	cg0063599	-0.08516	7.866962	-2.85951	0.011368	0.029112	-3.91667	8.357811	8.278174	8.387811	8.362705	8.277822	8.302859	8.347056	8.391497	8.405799	8.416317	8.321154	8.310468	8.353259	8.296158	8.321177	8.361025
CUX1	cg0155819	-0.08512	7.966522	-4.09501	0.000848	0.003526	-1.38971	8.429048	8.434449	8.448677	8.428708	8.461655	8.396505	8.462765	8.430439	8.463147	8.415144	8.365653	8.38885	8.363196	8.360906	8.433503	8.363061
NFATC1	cg2730898	-0.08496	7.842428	-3.85832	0.001394	0.005282	-1.82082	8.366235	8.380094	8.360954	8.344881	8.340467	8.357646	8.360002	8.364399	8.335099	8.312916	8.242851	8.280272	8.246398	8.272845	8.326622	8.317598
BMP4	cg2452689	-0.08495	7.622806	-8.24553	3.78E-07	7.32E-06	6.625773	8.19738	8.208215	8.207155	8.209092	8.200839	8.210219	8.183408	8.199429	8.183683	8.183137	8.138314	8.115443	8.126958	8.120839	8.146174	8.120042
YAP1	cg0581915	-0.08494	6.863737	-6.67552	5.37E-06	5.86E-05	3.815797	7.711215	7.711732	7.709781	7.727323	7.714077	7.702426	7.723494	7.719325	7.718647	7.719179	7.695321	7.666411	7.652334	7.674843	7.663209	7.670192
BTG2	cg0086071	-0.08493	6.975376	-6.31973	1.03E-05	9.92E-05	3.217449	7.781414	7.765881	7.778343	7.770214	7.793033	7.78062	7.789639	7.773818	7.78584	7.785102	7.74793	7.720908	7.74041	7.713232	7.745174	7.726287
NEDD4L	cg1573388	-0.08488	7.924105	-5.55928	4.34E-05	0.000314	1.65796	8.408629	8.416227	8.433824	8.413182	8.442594	8.405877	8.405053	8.42837	8.392721	8.377115	8.328825	8.325728	8.327063	8.342272	8.333467	8.370113
SGMS1	cg1003417	-0.08464	7.846786	-5.91495	2.19E-05	0.000184	2.392677	8.366013	8.363139	8.354237	8.353678	8.357625	8.347226	8.360369	8.363345	8.347386	8.323988	8.262557	8.278372	8.279003	8.312295	8.312002	8.276815
ZBTB7C	cg1918915	-0.08463	7.740737	-4.39241	0.000456	0.002147	-0.65852	8.282667	8.287241	8.290016	8.270373	8.260989	8.249675	8.290021	8.288539	8.262953	8.270192	8.194931	8.192593	8.200915	8.219734	8.273079	8.222067
CUX1	cg1684650	-0.08449	7.908194	-8.0957	4.80E-07	8.77E-06	6.292087	8.396791	8.402228	8.378002	8.403749	8.384485	8.388964	8.398831	8.398611	8.397478	8.399509	8.334777	8.328146	8.345196	8.318022	8.334634	8.35558
ZHX2	cg1691397	-0.08441	7.856033	-7.02139	2.91E-06	3.63E-05	4.460582	8.363301	8.365325	8.37477	8.357019	8.350237	8.353495	8.363504	8.364652	8.340415	8.359771	8.279489	8.288151	8.281297	8.298929	8.32377	8.299579
PLAGL1	cg0484093	-0.08441	7.860398	-3.59744	0.002417	0.008289	-2.38435	8.341157	8.325762	8.367308	8.3523	8.378755	8.349424	8.386554	8.379392	8.325646	8.376924	8.276935	8.341008	8.288573	8.268141	8.303056	8.353532
PRDM11	cg1501007	-0.08439	7.847631	-6.40606	8.76E-06	8.69E-05	3.330372	8.342772	8.37048	8.352973	8.35454	8.338935	8.338211	8.364826	8.347106	8.354758	8.349363	8.29795	8.279108	8.277625	8.281482	8.32688	8.290172
SRGAP3	cg0204003	-0.08437	7.443328	-4.21373	0.000661	0.002886	-0.96236	8.055668	8.042353	8.061324	8.086729	8.082941	8.098987	8.061745	8.07247	8.080196	8.081825	8.034229	8.038047	8.045208	7.992849	7.995746	7.996704
PLXNC1	cg2334779	-0.08436	7.835411	-5.02482	0.000125	0.000754	0.61541	8.360161	8.361527	8.347774	8.337559	8.323537	8.318668	8.353635	8.342558	8.339474	8.343584	8.261067	8.284679	8.249676	8.289501	8.296362	8.317911
FLCN	cg0644058	-0.08435	7.920541	-5.9529	2.04E-05	0.000173	2.431381	8.418265	8.424861	8.421956	8.390252	8.380022	8.404942	8.40442	8.402683	8.406558	8.403862	8.333066	8.325939	8.320776	8.353943	8.349438	8.367797
TSPAN32	cg2596109	-0.0843	7.383014	-4.06193	0.000909	0.003732	-1.27424	8.023786	8.013542	8.025572	8.054984	8.046902	8.057076	8.019139	8.020533	8.0302	8.055644	7.995791	8.000364	7.999606	7.952628	7.948531	7.954825
ZNF185	cg2687256	-0.08427	7.579582	-8.76081	1.69E-07	3.88E-06	7.454443	8.164591	8.160245	8.164987	8.179658	8.165687	8.155148	8.165511	8.153788	8.166027	8.170798	8.108892	8.115009	8.104576	8.101994	8.097425	8.104725
VPS53	cg1323516	-0.08421	7.868916	-5.71229	3.23E-05	0.000249	1.983396	8.372416	8.381738	8.359665	8.379291	8.332259	8.371514	8.385846	8.357976	8.347701	8.38305	8.293272	8.307443	8.29659	8.300807	8.318304	8.323844
IGF2R	cg1261452	-0.08412	7.948128	-6.3583	9.56E-06	9.33E-05	3.195856	8.442304	8.434969	8.427107	8.419386	8.436302	8.404015	8.424383	8.42615	8.439262	8.407088	8.339603	8.353494	8.365782	8.351977	8.382176	8.37616
PER2	cg1346932	-0.08405	7.871062	-4.82624	0.000187	0.001045	0.187756	8.380224	8.361169	8.388267	8.348542	8.370322	8.319297	8.372113	8.348358	8.376876	8.398719	8.309274	8.304703	8.304188	8.324502	8.299772	8.33006
PRKCE	cg0369086	-0.08402	7.85125	-6.32835	1.01E-05	9.81E-05	3.183877	8.361488	8.359781	8.373626	8.344431	8.353671	8.357095	8.365416	8.350408	8.355325	8.340056	8.278387	8.29311	8.270619	8.276362	8.316234	8.313001
NDRG4	cg1887550	-0.08398	7.559629	-7.20127	2.13E-06	2.81E-05	4.8647	8.150144	8.160585	8.156694	8.146513	8.133937	8.169331	8.158242	8.148803	8.157893	8.133216	8.093203	8.079081	8.084269	8.100975	8.097432	8.093306
MFSD2A	cg0356282	-0.08396	7.631592	-8.08167	4.91E-07	8.91E-06	6.35457	8.21845	8.208379	8.196456	8.192283	8.198891	8.212739	8.190271	8.193664	8.200262	8.20479	8.148095	8.144289	8.123372	8.139043	8.140416	8.134478
PRDM2	cg2758056	-0.08389	7.395997	-3.22124	0.005342	0.015829	-3.03435	8.044218	8.032093	8.039134	8.004403	8.029905	8.007168	8.077615	8.080579	8.007217	8.040202	7.961131	7.963407	7.973876	8.021305	8.033187	8.017892
VPS53	cg2549669	-0.08379	7.83439	-6.40805	8.72E-06	8.67E-05	3.341239	8.347269	8.361186	8.339247	8.332437	8.351379	8.337538	8.347988	8.35681	8.3245	8.33632	8.281502	8.263612	8.258641	8.299746	8.279874	8.297844
APC	cg1326476	-0.08356	7.831638	-6.83122	4.07E-06	4.75E-05	4.12852	8.338372	8.354788	8.364243	8.360902	8.347091	8.343005	8.334901	8.337735	8.353272	8.311014	8.257737	8.281449	8.273368	8.263087	8.285857	8.27819
CUX1	cg2425716	-0.08353	7.816862	-7.62535	1.04E-06	1.59E-05	5.536854	8.336799	8.336474	8.338505	8.316318	8.327532	8.326667	8.339704	8.324616	8.318992	8.336057	8.252058	8.263028	8.265466	8.292085	8.273631	8.267756
PRODH	cg1330349	-0.08351	7.817259	-5.97614	1.95E-05	0.000168	2.522925	8.346119	8.342573	8.32967	8.331408	8.320355	8.31148	8.336173	8.333552	8.321944	8.329774	8.274077	8.254348	8.241942	8.291051	8.262858	8.293069
EPAS1	cg0055581	-0.08335	7.870595	-6.15877	1.38E-05	0.000127	2.848526	8.372169	8.366174	8.373054	8.331796	8.344704	8.365719	8.371419	8.376765	8.381591	8.368339	8.295198	8.312356	8.297027	8.326628	8.310334	8.337335
SYNM	cg2065223	-0.08325	7.62435	-8.67206	1.94E-07	4.32E-06	7.305891	8.182289	8.187254	8.192049	8.183801	8.173308	8.193652	8.211264	8.194388	8.196848	8.199342	8.12882	8.143701	8.144188	8.137876	8.144709	8.152287
STARD13	cg0489534	-0.08324	7.876056	-6.41135	8.67E-06	8.63E-05	3.328802	8.374505	8.384123	8.387293	8.34335	8.388417	8.36475	8.3797	8.359709	8.370194	8.37807	8.301591	8.299878	8.309319	8.309946	8.334347	8.308713
WNT5A	cg1604946	-0.08322	7.900903	-8.26924	3.64E-07	7.12E-06	6.578342	8.377911	8.382231	8.3784	8.389318	8.375202	8.367423	8.398452	8.384877	8.419316	8.38929	8.341385	8.342087	8.335468	8.34198	8.331096	8.325749
TMEFF2	cg0001212	-0.08319	6.85309	-7.67178	9.60E-07	1.50E-05	5.581755	7.704026	7.702122	7.707249	7.706914	7.694737	7.722712	7.720818	7.711466	7.700548	7.722607	7.666672	7.655745	7.672628	7.659765	7.664191	7.671774
NFATC2	cg0040109	-0.08318	6.946563	-6.28973	1.08E-05	0.000104	3.141747	7.773526	7.776348	7.774603	7.751043	7.752566	7.754193	7.763347	7.764552	7.763479	7.768102	7.692993	7.708366	7.713931	7.724255	7.730023	7.720563
SHISA3	cg1106557	-0.08317	7.618855	-4.88631	0.000165	0.000946	0.40413	8.20425	8.209643	8.192264	8.207547	8.180264	8.184101	8.166508	8.171774	8.207803	8.205397	8.125877	8.122409	8.16105	8.130834	8.100348	8.137049
CD4	cg2378375	-0.08317	7.654573	-7.05243	2.76E-06	3.46E-05	4.580194	8.223863	8.232365	8.224591	8.203853	8.218406	8.222981	8.221625	8.214924	8.211085	8.202105	8.146523	8.144805	8.138484	8.150303	8.167962	8.174484
NFATC2	cg2161012	-0.08288	7.899739	-8.14702	4.42E-07	8.24E-06	6.380425	8.378127	8.393029	8.398779	8.364913	8.384125	8.397653	8.388694	8.38548	8.387439	8.405721	8.330535	8.327755	8.33153	8.322268	8.336685	8.334252
PAX6	cg2759795	-0.08274	7.958861	-6.8942	3.64E-06	4.34E-05	4.182637	8.430388	8.428848	8.435916	8.425636	8.436153	8.404462	8.442685	8.422935	8.421902	8.458519	8.383012	8.378668	8.355253	8.38272	8.369567	8.378469
ZMYND10	cg0807382	-0.08272	7.77788	-7.74755	8.47E-07	1.36E-05	5.758664	8.293974	8.309973	8.303049	8.297413	8.316633	8.297625	8.312055	8.296401	8.30638	8.290658	8.235644	8.240313	8.245736	8.226647	8.24091	8.26011
PRICKLE1	cg2323695	-0.08261	7.464057	-2.96914	0.009054	0.024195	-3.55733	8.043359	8.06017	8.05904	8.091747	8.088977	8.094278	8.068018	8.077174	8.114309	8.118384	8.094608	8.043852	8.071827	7.996093	8.019535	8.004323
CABLES1	cg0130824	-0.08259	7.41397	-4.77273	0.000208	0.00114	0.207109	8.060782	8.061001	8.070486	8.064696	8.03925	8.050491	8.063247	8.058296	8.028075	8.052624	7.981123	7.973608	7.990606	7.977414	8.025368	8.022935
MAL	cg1695694	-0.08251	7.583824	-7.06202	2.71E-06	3.43E-05	4.612556	8.161549	8.160928	8.180654	8.175628	8.163579	8.177927	8.152904	8.160329	8.172331	8.174236	8.111758	8.107246	8.125125	8.094224	8.093845	8.112988
ETS2	cg0211957	-0.08249	7.818002	-7.8078	7.67E-07	1.26E-05	5.847485	8.334796	8.323561	8.331658	8.347024	8.32779	8.329259	8.333576	8.337313	8.337855	8.309355	8.264411	8.271931	8.266857	8.261888	8.264962	8.28647
FLCN	cg1149013	-0.08236	7.825365	-7.28247	1.85E-06	2.51E-05	4.937156	8.338846	8.344106	8.343123	8.323582	8.320374	8.3378	8.335231	8.345096	8.339836	8.325998	8.269816	8.253522	8.274423	8.294187	8.287378	8.279171
ALPL	cg1699710	-0.08235	7.779923	-6.57894	6.39E-06	6.78E-05	3.680008	8.290755	8.287895	8.31451	8.310198	8.301914	8.287546	8.303203	8.29988	8.304337	8.317097	8.240962	8.253681	8.256194	8.26652	8.241315	8.220398
PKD1	cg1996730	-0.08232	7.361641	-3.88066	0.00133	0.005093	-1.65346	8.039501	8.029908	8.04394	8.015377	8.005841	8.003854	8.031293	8.029939	7.991542	8.014213	7.938344	7.938714	7.93793	7.998004	7.991766	7.968379
MXI1	cg1550340	-0.0823	7.81225	-7.73162	8.69E-07	1.38E-05	5.719364	8.316357	8.325145	8.320026	8.333553	8.318956	8.329561	8.315209	8.339551	8.319714	8.337129	8.272581	8.279104	8.264745	8.251898	8.280942	8.258524
NRCAM	cg0743167	-0.08226	7.89685	-6.0491	1.70E-05	0.00015	2.625902	8.371174	8.373493	8.37809	8.386139	8.35004	8.417777	8.396936	8.398914	8.395872	8.377139	8.337232	8.335448	8.326589	8.326451	8.332108	8.330169
CASC1	cg2047092	-0.08217	7.555758	-2.59799	0.019437	0.044774	-4.30903	8.121775	8.073777	8.132525	8.155748	8.169686	8.161718	8.174855	8.116213	8.169311	8.15961	8.124565	8.124479	8.145607	8.082673	8.069765	8.041529
PAX6	cg1443962	-0.08206	7.400909	-2.68413	0.016308	0.039014	-4.11445	8.052808	8.069748	8.061972	8.019192	8.032789	7.990923	8.063004	8.070262	8.01458	8.047045	7.950818	7.959908	7.963561	8.014627	8.032656	8.041397
SRGAP3	cg0301838	-0.08199	7.899462	-4.30886	0.000542	0.002456	-0.90196	8.40601	8.398755	8.398313	8.41534	8.386856	8.353579	8.403458	8.403375	8.371536	8.369466	8.300465	8.313457	8.305703	8.337449	8.367907	8.333118
STK10	cg2667098	-0.08197	7.913085	-8.9873	1.20E-07	3.01E-06	7.715787	8.400588	8.396414	8.405294	8.392389	8.376133	8.389149	8.403887	8.400383	8.402361	8.403961	8.338446	8.332278	8.332534	8.349229	8.354262	8.344155
ING5	cg0216233	-0.08184	7.944923	-9.04809	1.10E-07	2.80E-06	7.798084	8.432549	8.425271	8.41717	8.407464	8.418524	8.422081	8.424119	8.407697	8.432973	8.429403	8.361879	8.363148	8.364579	8.370347	8.356162	8.358827
TCF7L2	cg0105294	-0.08184	7.339909	-2.79259	0.013053	0.032534	-3.89495	8.04359	8.033888	8.018121	7.972712	7.970345	8.002682	8.017839	8.019226	7.98344	7.994954	7.917344	7.923509	7.907546	7.980831	7.979668	7.990947
NTRK3	cg2703481	-0.08167	7.426935	-3.15018	0.006202	0.017812	-3.18275	8.048821	8.050081	8.03382	8.074703	8.058468	8.085317	8.025164	8.056676	8.080304	8.091764	8.022485	8.022664	8.06182	7.98626	7.973235	7.98439
LIFR	cg0179622	-0.08164	7.848739	-8.18811	4.14E-07	7.84E-06	6.469525	8.358927	8.361702	8.35351	8.360873	8.336831	8.350844	8.348424	8.354263	8.344284	8.359468	8.282258	8.295806	8.284433	8.286257	8.311491	8.29041
TRIM13	cg1854600	-0.08158	7.865594	-4.2969	0.000556	0.002506	-0.91393	8.364618	8.381372	8.369623	8.353417	8.321887	8.351333	8.370279	8.358809	8.411553	8.336246	8.290686	8.300842	8.300001	8.307363	8.331786	8.323727
LATS1	cg2258625	-0.08154	7.856412	-4.21427	0.000661	0.002884	-1.0772	8.366315	8.374601	8.368395	8.399985	8.387789	8.323044	8.379344	8.326399	8.357172	8.340203	8.301272	8.281936	8.28686	8.265129	8.310087	8.300711
TSLP	cg1555787	-0.08151	7.84193	-4.72536	0.00023	0.001236	-0.00497	8.354933	8.364894	8.355289	8.326896	8.317446	8.36045	8.344967	8.366126	8.348775	8.332276	8.290538	8.253847	8.268259	8.299401	8.303763	8.314329
NFATC2	cg1830253	-0.08148	7.717918	-7.22966	2.03E-06	2.69E-05	4.879045	8.277119	8.255795	8.240873	8.252069	8.262199	8.25176	8.250052	8.257927	8.258469	8.277617	8.211379	8.196959	8.210709	8.194543	8.197185	8.205302
NDRG4	cg0206629	-0.08148	7.787262	-5.24897	7.99E-05	0.000525	1.093579	8.314071	8.317776	8.327825	8.294759	8.312468	8.301379	8.311817	8.306851	8.32595	8.281768	8.240388	8.238671	8.230286	8.230067	8.267833	8.278112
MTSS1	cg0250512	-0.08148	7.475128	-3.19453	0.005651	0.016505	-3.09931	8.104403	8.112514	8.113049	8.062734	8.059461	8.058285	8.107299	8.1083	8.093007	8.085138	8.015333	8.019874	8.000605	8.071751	8.075989	8.074453
ATF3	cg1423439	-0.08146	7.872283	-7.54801	1.18E-06	1.76E-05	5.379824	8.375797	8.354982	8.367422	8.341063	8.378168	8.360956	8.374293	8.375571	8.37318	8.369625	8.310018	8.305364	8.311547	8.309145	8.333692	8.309091
ST7	cg1331636	-0.08142	7.839695	-5.30523	7.14E-05	0.000477	1.182763	8.33371	8.316373	8.355286	8.354678	8.371665	8.308431	8.345382	8.361607	8.345913	8.344652	8.289059	8.305306	8.281605	8.284557	8.281134	8.2969
NEDD4L	cg1787540	-0.08138	7.757627	-5.54614	4.45E-05	0.000321	1.702165	8.307055	8.305946	8.303928	8.282074	8.275166	8.294232	8.298815	8.278195	8.278661	8.275857	8.203761	8.216172	8.20682	8.222621	8.25505	8.24142
SEPT4	cg1483025	-0.08131	7.696307	-8.93505	1.30E-07	3.20E-06	7.703515	8.248088	8.245717	8.252763	8.254966	8.238282	8.240388	8.234554	8.244824	8.242823	8.248508	8.186426	8.176568	8.189918	8.176702	8.197081	8.181876
TCF7L2	cg2638029	-0.08131	7.839163	-5.69934	3.31E-05	0.000254	1.973754	8.359273	8.339732	8.3561	8.353957	8.335312	8.366611	8.361029	8.352481	8.333566	8.319496	8.26892	8.281627	8.264966	8.283749	8.281048	8.312861
EMP2	cg2448015	-0.08126	7.388207	-3.88419	0.00132	0.005065	-1.64888	8.045909	8.050966	8.051686	8.010312	8.018962	8.021193	8.04606	8.057523	8.026303	8.021628	7.955149	7.96377	7.958131	8.004033	8.006673	8.013903
RNF111	cg0679699	-0.08122	7.918413	-3.00039	0.008483	0.022931	-3.64951	8.423927	8.422784	8.405863	8.360067	8.421129	8.33327	8.414203	8.403457	8.378984	8.435311	8.302173	8.339415	8.328996	8.365881	8.393843	8.355616

RNF111	cg0134055	-0.0812	7.87901	-6.07181	1.63E-05	0.000144	2.677772	8.355973	8.372245	8.363188	8.39138	8.369335	8.3395	8.376144	8.394677	8.373262	8.374079	8.320931	8.310942	8.319172	8.343914	8.302369	8.320365
ZFHX3	cg0638196	-0.08119	7.815548	-6.64707	5.65E-06	6.14E-05	3.794188	8.332214	8.317328	8.32098	8.328735	8.331747	8.339893	8.34182	8.331953	8.317704	8.322377	8.263213	8.294419	8.248326	8.26091	8.283644	8.26545
ALDH1A2	cg2491563	-0.08106	7.827976	-5.95819	2.02E-05	0.000172	2.483885	8.33038	8.3485	8.357797	8.324014	8.324019	8.345045	8.351525	8.336715	8.32184	8.337099	8.272364	8.264001	8.257932	8.305267	8.285613	8.280375
CUX1	cg2083803	-0.08104	7.855896	-6.89278	3.65E-06	4.34E-05	4.22688	8.350643	8.33827	8.348767	8.361105	8.360993	8.370448	8.365587	8.370967	8.361116	8.337765	8.28929	8.312337	8.305152	8.298237	8.285061	8.306027
CAPG	cg0721569	-0.08103	7.400249	-4.3978	0.000451	0.002132	-0.57144	8.067544	8.0636	8.058779	8.032409	8.034109	8.015111	8.040604	8.042557	8.050691	8.03851	7.978154	7.986982	7.953466	8.01434	8.006594	7.993607
AHNAK	cg2347356	-0.08093	7.6232	-4.94592	0.000147	0.000857	0.523615	8.181328	8.172353	8.165436	8.196165	8.207656	8.199775	8.19874	8.195789	8.192335	8.201976	8.174965	8.129047	8.159624	8.134156	8.117974	8.126446
ST7	cg2540298	-0.08086	7.897175	-3.40028	0.003664	0.011607	-2.81859	8.391397	8.385703	8.389463	8.324594	8.40543	8.315897	8.394585	8.395419	8.386213	8.4179	8.309901	8.335568	8.317156	8.339069	8.372656	8.357186
NDRG2	cg1957608	-0.08076	7.491224	-2.93912	0.009638	0.025458	-3.62036	8.137323	8.133935	8.11985	8.077584	8.085333	8.093252	8.125252	8.114438	8.08411	8.082823	8.00979	8.018156	8.008076	8.083984	8.083674	8.076074
PLAGL1	cg2357552	-0.08076	7.879592	-6.6902	5.23E-06	5.76E-05	3.847992	8.366064	8.39603	8.384398	8.363571	8.394932	8.374825	8.371127	8.373995	8.365627	8.373992	8.313926	8.291326	8.319844	8.296748	8.328137	8.320226
PLEKHO1	cg2546414	-0.08071	7.836621	-5.02425	0.000125	0.000754	0.60964	8.310449	8.316453	8.337277	8.331417	8.325084	8.34885	8.364858	8.350273	8.372393	8.323092	8.277756	8.28694	8.326305	8.27516	8.304363	8.290241
SRPX	cg0185734	-0.08062	7.867682	-7.73974	8.58E-07	1.37E-05	5.712206	8.37661	8.35396	8.3602	8.390801	8.354177	8.361872	8.360989	8.369111	8.3726	8.359497	8.304494	8.311111	8.312348	8.304397	8.302642	8.302408
TCF7L2	cg0797115	-0.08056	7.502755	-2.60041	0.019341	0.044608	-4.29142	8.133899	8.151264	8.120654	8.079399	8.062741	8.105234	8.128499	8.130775	8.092873	8.101225	8.032343	8.013553	8.018341	8.076623	8.110697	8.098244
RPS6KA2	cg0147492	-0.08055	7.893384	-8.78719	1.63E-07	3.77E-06	7.41319	8.380758	8.377508	8.391191	8.388428	8.373151	8.391325	8.384276	8.395193	8.383037	8.376848	8.323816	8.310056	8.332885	8.326729	8.336828	8.321434
WNT5A	cg0959516	-0.08052	7.483645	-6.11992	1.49E-05	0.000134	2.885376	8.093811	8.089935	8.057955	8.100454	8.090213	8.097489	8.113265	8.103082	8.092297	8.111923	8.041605	8.062255	8.058361	8.048076	8.037008	8.053156
GAS1	cg0063664	-0.08051	7.327714	-2.83333	0.012	0.030365	-3.81341	7.980654	7.969611	7.977631	8.004672	8.015389	8.0142	7.976718	7.972364	8.019578	8.026364	7.975217	7.980474	7.979262	7.901462	7.933433	7.904641
FAM172A	cg0482315	-0.08042	7.846228	-5.35989	6.41E-05	0.000437	1.294002	8.37162	8.357724	8.367926	8.369689	8.335633	8.344207	8.34408	8.365648	8.334971	8.338538	8.265482	8.277177	8.273936	8.304362	8.283172	8.317523
OSCP1	cg0730649	-0.08039	7.873649	-4.25062	0.000612	0.002715	-1.01386	8.3885	8.376935	8.379143	8.358985	8.336837	8.359018	8.398477	8.349489	8.345749	8.39537	8.284549	8.309445	8.294642	8.326734	8.339947	8.322505
SGMS1	cg2537217	-0.08033	7.863857	-3.85862	0.001393	0.00528	-1.83778	8.37808	8.364489	8.378519	8.332976	8.311996	8.335771	8.379792	8.35838	8.378032	8.366463	8.282075	8.30218	8.281038	8.319063	8.348612	8.336143
NEDD4L	cg0379824	-0.08016	7.921341	-5.92728	2.14E-05	0.00018	2.380832	8.394912	8.411412	8.419353	8.419436	8.41673	8.370989	8.395661	8.416349	8.396133	8.408728	8.33203	8.349194	8.339727	8.341981	8.339247	8.365959
PLAGL1	cg0256677	-0.08011	7.59411	-7.2167	2.07E-06	2.74E-05	4.883517	8.161879	8.169057	8.160457	8.158441	8.174359	8.159397	8.180054	8.159747	8.188169	8.187592	8.133207	8.13206	8.11856	8.128232	8.117492	8.107406
STAT3	cg0494957	-0.0801	7.866374	-4.25847	0.000602	0.002679	-0.99374	8.369585	8.373647	8.382833	8.343337	8.342209	8.355301	8.384939	8.372489	8.354257	8.356006	8.288227	8.290308	8.276522	8.338446	8.304763	8.349745
LRIG1	cg1572441	-0.08003	7.875265	-6.98661	3.09E-06	3.81E-05	4.391231	8.37541	8.38654	8.387196	8.371477	8.389002	8.36537	8.360785	8.371701	8.366866	8.365978	8.287222	8.328869	8.293983	8.320409	8.312047	8.302154
TP53BP2	cg2003357	-0.08003	7.840139	-2.97552	0.008935	0.023937	-3.65326	8.354662	8.372681	8.374631	8.296796	8.339226	8.405017	8.372096	8.336974	8.318017	8.329481	8.269589	8.248465	8.261009	8.284967	8.338431	8.281489
PRKCD	cg0913759	-0.08	7.410004	-5.49912	4.88E-05	0.000346	1.682453	8.051735	8.060313	8.055298	8.045435	8.057302	8.023972	8.062314	8.052575	8.041974	8.045642	7.999111	7.994155	7.968284	7.995909	8.021612	8.002287
NRF1	cg0612064	-0.07987	7.579397	-4.393	0.000455	0.002145	-0.6107	8.183614	8.177251	8.180601	8.168507	8.15525	8.140953	8.153324	8.187905	8.150846	8.149913	8.077902	8.095032	8.082495	8.132305	8.118811	8.123061
LIMD1	cg2643540	-0.07978	7.445442	-3.39769	0.003684	0.011654	-2.67513	8.093393	8.093095	8.0795	8.041534	8.040711	8.019897	8.075332	8.065424	8.082029	8.099448	8.006492	8.015446	7.998542	8.038433	8.061335	8.038365
VPS53	cg1221877	-0.07976	7.94768	-5.64662	3.66E-05	0.000275	1.819403	8.436712	8.432668	8.435811	8.427672	8.449455	8.418728	8.434001	8.426203	8.42408	8.388125	8.351831	8.362273	8.332096	8.351075	8.375122	8.379429
RASSF8	cg0791214	-0.07976	7.894828	-5.12301	0.000103	0.000648	0.790803	8.395101	8.390272	8.372554	8.397752	8.413818	8.391578	8.409215	8.347291	8.375616	8.389402	8.344854	8.326154	8.321344	8.318898	8.316399	8.30085
PRKCE	cg0034022	-0.07975	7.892131	-5.02331	0.000125	0.000755	0.585875	8.383394	8.388973	8.391347	8.402471	8.372006	8.363384	8.37733	8.399909	8.345458	8.410055	8.314597	8.323882	8.30977	8.34621	8.325941	8.324685
FOXP1	cg0009109	-0.07971	7.763862	-5.51687	4.71E-05	0.000337	1.640656	8.29861	8.285996	8.300221	8.282273	8.283922	8.317753	8.271911	8.273875	8.30904	8.302094	8.242188	8.236399	8.250371	8.224652	8.211379	8.224966
JDP2	cg0242471	-0.07969	7.853148	-6.79413	4.34E-06	5.01E-05	4.050767	8.370213	8.356548	8.345419	8.361093	8.367144	8.37283	8.355347	8.343215	8.369789	8.334941	8.309882	8.29386	8.292285	8.277637	8.296402	8.284125
WNT11	cg1474380	-0.07966	7.167999	-4.81708	0.00019	0.001061	0.3082	7.907722	7.891585	7.891959	7.902606	7.875121	7.883483	7.891556	7.912471	7.893477	7.896404	7.826471	7.847053	7.851076	7.83947	7.837573	7.885541
HBP1	cg0567533	-0.07964	7.818041	-5.61049	3.93E-05	0.00029	1.804818	8.320173	8.319034	8.326478	8.336235	8.322752	8.342431	8.342419	8.305552	8.328258	8.348053	8.284347	8.264737	8.303298	8.265972	8.25984	8.259515
CHST10	cg0487432	-0.07964	7.535424	-5.06295	0.000116	0.00071	0.785717	8.147447	8.154179	8.138496	8.135644	8.111713	8.148811	8.128322	8.153125	8.112833	8.124501	8.062199	8.066617	8.052727	8.081049	8.092596	8.093525
HIVEP3	cg0449093	-0.07959	7.562879	-3.94027	0.001173	0.004584	-1.55892	8.148639	8.117745	8.128029	8.17074	8.171848	8.154765	8.133629	8.163706	8.169365	8.148775	8.112282	8.112319	8.132808	8.072657	8.081925	8.079818
AHNAK	cg0152019	-0.07959	7.861118	-5.76224	2.93E-05	0.000232	2.086641	8.376546	8.364695	8.369054	8.371231	8.32336	8.377143	8.364408	8.359354	8.34523	8.367398	8.289848	8.293857	8.29287	8.302278	8.319355	8.305417
NFATC2	cg1473979	-0.07958	7.279061	-5.12443	0.000102	0.000647	0.937835	7.975793	7.98157	7.961004	7.963956	7.973411	7.959222	7.978118	7.981278	7.941929	7.952024	7.895968	7.899651	7.895856	7.934199	7.925038	7.917929
CHD5	cg0324110	-0.07956	7.459742	-6.23096	1.21E-05	0.000114	3.100343	8.076401	8.066689	8.063944	8.080314	8.071023	8.079538	8.105945	8.070353	8.086558	8.091282	8.047703	8.039203	8.028152	8.046222	8.034111	8.010853
MAL	cg0666830	-0.07952	7.448088	-5.6832	3.41E-05	0.00026	2.042733	8.062568	8.096333	8.070577	8.068036	8.069614	8.065068	8.067468	8.091301	8.076323	8.07182	8.032796	7.991926	8.019274	8.032226	8.036128	8.024568
DAPK2	cg1431419	-0.07951	7.764589	-4.73941	0.000223	0.001205	0.057903	8.308349	8.311561	8.30543	8.276429	8.298338	8.27859	8.302115	8.291536	8.276417	8.285707	8.219684	8.207125	8.213839	8.224181	8.257341	8.267433
NUPR1	cg0881828	-0.07939	7.758715	-6.98999	3.07E-06	3.79E-05	4.440601	8.294568	8.298614	8.296	8.272293	8.285764	8.30011	8.291342	8.288256	8.278854	8.282965	8.228465	8.225164	8.205169	8.231229	8.248982	8.229651
TSC22D1	cg1157065	-0.07939	7.639856	-6.79655	4.33E-06	4.99E-05	4.120887	8.211715	8.218964	8.212343	8.195919	8.190437	8.217794	8.208726	8.201678	8.200841	8.198651	8.135087	8.150044	8.130037	8.143277	8.163998	8.156757
ZDHHC2	cg2602590	-0.07938	7.909922	-4.35605	0.000492	0.002274	-0.80868	8.41334	8.400275	8.410427	8.392727	8.404249	8.370165	8.379783	8.406476	8.353671	8.43939	8.32946	8.325946	8.326652	8.341817	8.339305	8.352005
CD82	cg1069562	-0.07936	7.349156	-6.60858	6.06E-06	6.48E-05	3.81853	7.996297	8.011916	7.99959	8.007028	8.014549	8.020544	8.018617	8.005595	8.015961	8.005725	7.964317	7.958422	7.967649	7.940457	7.974097	7.948122
SGMS1	cg1705401	-0.07935	7.897978	-6.53016	6.98E-06	7.21E-05	3.541406	8.391261	8.386506	8.388038	8.3821	8.361315	8.419197	8.381166	8.39451	8.396566	8.37606	8.324462	8.334154	8.323207	8.330479	8.329097	8.328657
FAS	cg1957356	-0.07929	6.80365	-2.93048	0.009812	0.025833	-3.80336	7.670144	7.667938	7.664989	7.646607	7.630241	7.667312	7.700661	7.6739	7.687883	7.728099	7.641195	7.689893	7.613989	7.624345	7.656727	7.683172
LSAMP	cg0485604	-0.07906	7.757608	-8.83183	1.52E-07	3.57E-06	7.529113	8.297765	8.289996	8.286674	8.281895	8.293827	8.28861	8.275728	8.296228	8.286974	8.280322	8.22341	8.227479	8.2246	8.219366	8.235077	8.236859
ZHX2	cg1435532	-0.07899	7.827689	-5.19557	8.88E-05	0.000573	0.970275	8.337552	8.357934	8.359602	8.334396	8.349111	8.332216	8.332786	8.329882	8.339796	8.323419	8.281267	8.278909	8.241116	8.274661	8.311637	8.255476
LRRC3B	cg1076820	-0.07898	7.596592	-4.10549	0.000829	0.003467	-1.21963	8.164398	8.167538	8.151509	8.19318	8.168581	8.187755	8.178849	8.14675	8.175887	8.203512	8.137861	8.128493	8.154787	8.097852	8.110723	8.096375
PRICKLE1	cg1135779	-0.07894	7.582235	-6.76534	4.57E-06	5.21E-05	4.076068	8.150942	8.156971	8.159978	8.166028	8.18255	8.159364	8.157846	8.170256	8.171764	8.164918	8.114056	8.133242	8.108592	8.100408	8.102177	8.108449
MTSS1	cg1639473	-0.07893	7.593167	-5.02487	0.000125	0.000754	0.694995	8.173451	8.15754	8.176336	8.220745	8.171107	8.170692	8.164474	8.18384	8.151175	8.17558	8.116995	8.123522	8.117389	8.117887	8.110775	8.095448
IKZF1	cg0185781	-0.07891	7.733774	-6.77906	4.46E-06	5.11E-05	4.065532	8.265346	8.289546	8.274565	8.262117	8.271508	8.267541	8.271292	8.278881	8.273041	8.251487	8.197974	8.213152	8.196182	8.221447	8.227704	8.215563
SELENBP1	cg0652696	-0.07891	7.790499	-5.92256	2.16E-05	0.000181	2.429328	8.325697	8.311596	8.325162	8.295694	8.291812	8.307376	8.313668	8.294002	8.315891	8.317464	8.249385	8.238867	8.248367	8.240886	8.25983	8.280502
STARD13	cg1211110	-0.07884	7.79415	-4.41477	0.000435	0.002071	-0.63208	8.327709	8.321079	8.326771	8.317735	8.291996	8.273316	8.312848	8.308608	8.323832	8.31184	8.262625	8.23308	8.23633	8.243531	8.293539	8.272988
PAX6	cg1728074	-0.07878	7.65288	-7.89565	6.64E-07	1.13E-05	6.040666	8.221179	8.213747	8.230316	8.214708	8.209806	8.208991	8.2061	8.20835	8.220732	8.210669	8.143847	8.162053	8.152524	8.149096	8.170407	8.156737
FAM172A	cg2196007	-0.07878	7.894431	-8.06066	5.08E-07	9.14E-06	6.236639	8.36435	8.372432	8.375618	8.376103	8.376362	8.351093	8.402976	8.389314	8.399252	8.384327	8.338057	8.326372	8.33349	8.333798	8.352201	8.329352
LITAF	cg2742192	-0.07871	7.864984	-7.38134	1.56E-06	2.21E-05	5.090101	8.342583	8.360417	8.358304	8.345577	8.339129	8.329962	8.359857	8.367614	8.378851	8.388969	8.312894	8.325621	8.306112	8.312795	8.323118	8.313807
MYH9	cg1716376	-0.07871	7.27337	-4.27583	0.000581	0.0026	-0.81771	7.941863	7.958531	7.95399	7.975441	7.982009	7.98559	7.957963	7.946843	7.969505	7.961611	7.927648	7.929231	7.922904	7.898747	7.889732	7.87845
RASL11A	cg1775244	-0.07869	7.360346	-4.17335	0.000719	0.003088	-1.0385	8.03536	8.026078	8.014226	7.986376	8.006306	8.016189	8.033052	8.028149	8.01859	7.997693	7.938102	7.952672	7.956141	8.001625	7.969809	7.983956
CASP5	cg1475852	-0.07862	7.954597	-6.9499	3.30E-06	4.01E-05	4.283855	8.407514	8.431679	8.405618	8.413663	8.431594	8.408325	8.448848	8.427218	8.442327	8.425479	8.366066	8.392083	8.37346	8.370147	8.369042	8.39186
MOB1B	cg2075772	-0.07852	7.817682	-5.81535	2.65E-05	0.000214	2.203999	8.327834	8.300006	8.304268	8.341149	8.295402	8.289238	8.345493	8.334981	8.350645	8.333438	8.278142	8.292436	8.279536	8.269603	8.290003	8.292325
SCGB3A1	cg0048016	-0.07851	7.275428	-6.82541	4.11E-06	4.79E-05	4.219546	7.958348	7.973293	7.962724	7.975365	7.942538	7.979123	7.967361	7.961435	7.958105	7.95934	7.903275	7.910481	7.911807	7.919013	7.915239	7.902438
LIMD1	cg0022506	-0.07846	7.892489	-4.46359	0.000393	0.001907	-0.57325	8.390859	8.38739	8.389075	8.407718	8.414659	8.347983	8.374581	8.400249	8.367426	8.375321	8.29532	8.315873	8.33844	8.331559	8.303159	8.344431
SEMA3F	cg0072195	-0.07841	7.276437	-4.0298	0.000972	0.003943	-1.33458	7.975285	7.948764	7.987642	7.96707	7.95322	7.940975	7.98756	7.973095	7.943788	7.953368	7.903989	7.899974	7.8814	7.936699	7.930695	7.926983
CBFA2T3	cg2724847	-0.07836	7.817297	-5.65069	3.63E-05	0.000273	1.887355	8.346043	8.326056	8.342999	8.333304	8.338441	8.333432	8.334345	8.293551	8.350296	8.31935	8.260633	8.281138	8.277217	8.265235	8.247447	8.271644
PTPRT	cg1785911	-0.07829	7.95779	-4.10797	0.000825	0.003454	-1.35606	8.404636	8.449771	8.450933	8.416532	8.470469	8.391744	8.404868	8.45201	8.440939	8.426472	8.366403	8.374332	8.368558	8.385694	8.358271	8.381601
BTK	cg1394233	-0.07826	7.634259	-3.70649	0.00192	0.006861	-2.06724	8.222449	8.219823	8.212786	8.18497	8.211405	8.195244	8.221733	8.207996	8.189251	8.164886	8.119686	8.11622	8.116838	8.151117	8.191548	8.150037
NEDD4L	cg0229456	-0.07826	7.603477	-2.67448	0.016633	0.039619	-4.17103	8.159687	8.174996	8.159327	8.192042	8.238491	8.155879	8.191884	8.152762	8.142816	8.228198	8.161072	8.115789	8.1559	8.087852	8.095287	8.128526
ZHX2	cg2594556	-0.07814	7.687457	-3.51185	0.002896	0.009592	-2.49074	8.239619	8.266627	8.250166	8.238126	8.222183	8.225093	8.256535	8.255005	8.238739	8.191478	8.151307	8.160295	8.149191	8.209373	8.207689	8.200866
VPS53	cg2151256	-0.07812	7.849482	-3.73762	0.001798	0.006498	-2.08805	8.325661	8.349375	8.313089	8.336456	8.374287	8.290846	8.367029	8.347572	8.392618	8.350387	8.348994	8.298943	8.294617	8.303136	8.288245	8.307299
HIC1	cg2362109	-0.07801	7.969881	-7.06936	2.68E-06	3.39E-05	4.49131	8.429332	8.431422	8.441286	8.411571	8.409113	8.420616	8.444663	8.443837	8.45564	8.452711	8.380755	8.381872	8.388247	8.378354	8.41226	8.402141
PIAS1	cg1028427	-0.07796	7.862041	-4.65859	0.000263	0.001379	-0.15376	8.358043	8.356745	8.3824	8.378994	8.332773	8.346468	8.361759	8.357466	8.382947	8.346369	8.284599	8.301824	8.313235	8.343504	8.293489	8.291986
CBFA2T3	cg0076283	-0.07795	7.876284	-8.61749	2.11E-07	4.63E-06	7.150893	8.357228	8.365033	8.376102	8.361611	8.368153	8.370903	8.375059	8.368852	8.383091	8.369825	8.324416	8.314622	8.316998	8.317591	8.327021	8.299322
ADPRH	cg2730465	-0.07795	7.484888	-6.54119	6.84E-06	7.12E-05	3.679955	8.094826	8.082144	8.095754	8.093274	8.088981	8.1047	8.097681	8.096878	8.0934	8.121796	8.046462	8.06332	8.053177	8.029607	8.055247	8.046785
NUPR1	cg0559098	-0.07791	7.606309	-6.20837	1.26E-05	0.000118	3.033389	8.180911	8.194513	8.19022	8.197137	8.184727	8.202608	8.165737	8.18636	8.176458	8.170152	8.110475	8.118993	8.135896	8.134189	8.093833	8.127817
MCC	cg2189087	-0.0779	7.827401	-7.59356	1.09E-06	1.65E-05	5.47887	8.332761	8.331841	8.342157	8.334653	8.347899	8.343784	8.336662	8.331154	8.330894	8.33894	8.301531	8.281272	8.260378	8.270238	8.278505	8.273045
MTUS1	cg2162971	-0.07782	7.90189	-4.57789	0.000311	0.001573	-0.34147	8.389822	8.383167	8.39287	8.386151	8.3872	8.389016	8.417238	8.397247	8.370557	8.37887	8.327332	8.330667	8.30639	8.310432	8.342715	8.382611
CBFA2T3	cg0277094	-0.07779	7.560423	-7.45399	1.38E-06	2.00E-05	5.306764	8.15646	8.147315	8.146181	8.162696	8.155073	8.135449	8.144139	8.15571	8.146735	8.150473	8.091953	8.094827	8.097641	8.109056	8.098306	8.07976
ST7	cg0310577	-0.07774	7.390765	-3.03594	0.007877	0.021591	-3.41116	8.033899	8.015682	8.02226	8.04822	8.057633	8.071615	8.014875	8.017659	8.066777	8.037508	8.004595	8.011238	8.015074	7.966405	7.934922	7.961478
EHD3	cg0064895	-0.07769	7.618245	-6.66532	5.47E-06	5.96E-05	3.885232	8.203789	8.191944	8.193242	8.186486	8.197848	8.177273	8.19237	8.19392	8.182968	8.181234	8.126113	8.139322	8.109205	8.146162	8.146714	8.130926
DOK1	cg2298995	-0.07769	7.824862	-7.72659	8.76E-07	1.39E-05	5.707411	8.328256	8.352075	8.333728	8.329562	8.34543	8.332122	8.332259	8.320089	8.338176	8.339944	8.291094	8.268719	8.277724	8.277239	8.274692	8.265606
PHLPP2	cg0806931	-0.07767	7.891032	-7.80862	7.66E-07	1.26E-05	5.819638	8.37878	8.381024	8.394137	8.376644	8.375025	8.391831	8.378276	8.369296	8.38119	8.396645	8.315866	8.325706	8.340883	8.322726	8.322695	8.315584
SASH1	cg2280578	-0.07759	7.795433	-7.89627	6.63E-07	1.13E-05	6.005682	8.324923	8.332339	8.318323	8.307157	8.320327	8.324915	8.303686	8.304303	8.299929	8.32507	8.242676	8.256189	8.252539	8.244888	8.257353	8.257769
SIK1	cg1198413	-0.07746	7.411747	-3.51299	0.002889	0.009578	-2.42958	8.020531	8.022761	8.05638	8.048416	8.081491	8.065783	8.042699	8.037932	8.048552	8.076396	8.017222	8.02114	8.024537	7.980332	7.98737	7.965285
ARHGAP29	cg0916214	-0.07745	7.01261	-5.30469	7.15E-05	0.000477	1.252326	7.817587	7.812268	7.789051	7.798042	7.806785	7.82009	7.805357	7.797175	7.78886	7.802747	7.754328	7.761158	7.735177	7.748815	7.774553	7.733383
CLU	cg1248960	-0.07744	7.600757	-7.10632	2.51E-06	3.21E-05	4.687339	8.169222	8.185335	8.170509	8.177739	8.162266	8.185013	8.165804	8.186325	8.184187	8.177254	8.126764	8.125748	8.122811	8.111652	8.117369	8.140559
DAB2	cg2510565	-0.07742	7.885853	-7.0042	3.00E-06	3.73E-05	4.414358	8.381132	8.38198	8.378586	8.355217	8.377065	8.356369	8.382805	8.369115	8.382204	8.393674	8.315403	8.320255	8.323905	8.31767	8.327057	8.343794
ZBTB16	cg0804745	-0.07739	7.307312	-2.87052	0.011112	0.028563	-3.73755	8.005915	8.020611	8.009655	7.969321	7.94769	7.976862	7.989561	7.990211	7.960392	7.979052	7.884237	7.911287	7.902269	7.953581	7.97045	7.953027
FBP1	cg1357685	-0.07735	7.770063	-3.5711	0.002555	0.008683	-2.39642	8.321103	8.31105	8.307235	8.272946	8.256353	8.280595	8.298522	8.307809	8.280765	8.301729	8.221435	8.210183	8.212207	8.258299	8.263088	8.282442
STARD13	cg1770777	-0.07727	7.694071	-3.33468	0.004208	0.013022	-2.86368	8.206451	8.229082	8.197594	8.267206	8.243867	8.262593	8.262345	8.247575	8.221947	8.251747	8.19182	8.205639	8.225805	8.142817	8.180764	8.198104
PRDM11	cg0419698	-0.07725	7.662304	-5.74008	3.06E-05	0.00024	2.112613	8.224736	8.201766	8.228683	8.211384	8.227515	8.246159	8.209974	8.222201	8.23188	8.204524	8.166281	8.183989	8.151582	8.153549	8.163605	8.155496
PTPN6	cg2233534	-0.07716	7.315725	-5.97033	1.97E-05	0.00017	2.614248	7.979175	7.987448	7.974553	7.976123	7.997079	7.962741	7.989059	7.992741	7.992096	8.000295	7.964469	7.922962	7.946031	7.947568	7.938664	7.936114
THBS1	cg1057613	-0.07714	7.87537	-4.27513	0.000582	0.002601	-0.96533	8.376763	8.362026	8.377251	8.352348	8.362116	8.330239	8.390526	8.384257	8.386823	8.34522	8.298823	8.289713	8.311781	8.346538	8.347973	8.323345
SPOP	cg2559395	-0.07712	7.390101	-6.18986	1.31E-05	0.000121	3.03035	8.046343	8.025699	8.024253	8.039737	8.03659	8.049456	8.040774	8.042921	8.02803	8.031788	7.983438	7.979076	7.992053	7.964346	8.004529	7.982022
ETS2	cg1589228	-0.07691	7.712266	-7.61061	1.06E-06	1.62E-05	5.543181	8.252843	8.248551	8.245684	8.242934	8.253468	8.252335	8.26851	8.26101	8.247893	8.251122	8.196078	8.200264	8.195052	8.188666	8.218035	8.214124
ZBTB7C	cg1429420	-0.07688	7.64796	-3.12668	0.006515	0.018553	-3.2771	8.223983	8.24037	8.223476	8.196074	8.199271	8.198343	8.227225	8.205659	8.210321	8.184849	8.136897	8.139575	8.116068	8.223976	8.171764	8.128692
LRIG1	cg0865236	-0.07686	7.829655	-5.61271	3.91E-05	0.000289	1.808326	8.345831	8.352874	8.352046	8.341977	8.323424	8.386415	8.32976	8.333686	8.325998	8.329152	8.274949	8.260481	8.281136	8.275192	8.288844	8.260537
PHLPP2	cg1012121	-0.07686	7.652893	-5.87519	2.36E-05	0.000196	2.37996	8.22831	8.215789	8.217246	8.219296	8.227434	8.214865	8.216614	8.179441	8.22419	8.212968	8.155563	8.163927	8.161671	8.142906	8.135376	8.16429
TRIM3	cg1223191	-0.07681	7.849366	-6.35778	9.57E-06	9.33E-05	3.241022	8.353238	8.351438	8.38148	8.336732	8.350335	8.372224	8.352509	8.352565	8.342614	8.344253	8.287654	8.290181	8.273503	8.307809	8.298404	8.292214
ARNTL	cg2168229	-0.0768	7.389364	-3.02497	0.008059	0.021966	-3.43375	8.050357	8.05654	8.053988	8.008094	8.030114	8.005182	8.066793	8.040682	8.028137	8.011862	7.954738	7.962733	7.951026	8.011181	8.021959	8.0113
DAB2	cg0265303	-0.07678	7.848587	-3.78662	0.001621	0.005967	-1.97934	8.372707	8.364323	8.347784	8.328427	8.364222	8.299919	8.363853	8.359397	8.349841	8.342633	8.267343	8.282213	8.279426	8.33423	8.305326	8.316757
SPTBN1	cg1371544	-0.07673	7.855606	-6.24644	1.18E-05	0.000111	3.026008	8.364591	8.359976	8.366148	8.359822	8.335211	8.362145	8.352943	8.362112	8.34809	8.35637	8.284419	8.285935	8.302537	8.286417	8.303463	8.328335
FBXL13	cg0100841	-0.07659	7.852602	-5.74098	3.05E-05	0.00024	2.041988	8.326278	8.335167	8.327987	8.354818	8.303647	8.354846	8.368178	8.365886	8.377621	8.352127	8.328694	8.308441	8.301369	8.311244	8.305063	8.30218
PLXNC1	cg1438820	-0.07657	7.809279	-5.52239	4.66E-05	0.000334	1.631599	8.294921	8.324101	8.313933	8.31668	8.313706	8.320633	8.327237	8.331094	8.339661	8.314089	8.25999	8.306536	8.255513	8.287423	8.262861	8.260609
DAPK1	cg0524694	-0.07655	7.682947	-3.24184	0.005116	0.015281	-3.0509	8.204805	8.255141	8.217371	8.278799	8.218636	8.237536	8.215338	8.217058	8.252779	8.245468	8.177395	8.230356	8.189278	8.160046	8.146685	8.165743
CXCL12	cg1126752	-0.07651	7.791988	-4.76201	0.000213	0.00116	0.093333	8.32499	8.322474	8.325752	8.296014	8.298725	8.296453	8.308483	8.309477	8.284154	8.338923	8.230266	8.242363	8.250405	8.274203	8.274218	8.256302
EYA4	cg1078270	-0.0765	7.907706	-4.93418	0.00015	0.000875	0.399402	8.424339	8.419348	8.396593	8.397195	8.41251	8.397211	8.409423	8.382081	8.368408	8.381365	8.308254	8.301008	8.337591	8.344591	8.358548	8.322002
ADAMTS8	cg0056663	-0.07645	7.40195	-4.13775	0.000775	0.003294	-1.11622	8.046112	8.067384	8.062353	8.043645	8.049448	8.0496	8.020657	8.03548	8.05851	8.038906	8.021291	7.99655	7.941613	7.985898	7.995128	7.982616
LIFR	cg1554407	-0.07643	7.660838	-5.04779	0.000119	0.000727	0.723096	8.224172	8.227974	8.22442	8.190629	8.219624	8.208794	8.243848	8.205501	8.216594	8.212684	8.157455	8.162014	8.137425	8.175831	8.187578	8.172331
SH2B3	cg1046236	-0.07643	7.835472	-5.61662	3.88E-05	0.000287	1.811685	8.359498	8.356521	8.338154	8.33561	8.338177	8.357549	8.355832	8.342656	8.331383	8.321475	8.258196	8.275589	8.276282	8.283036	8.311715	8.286563
LIMA1	cg0697915	-0.07639	7.906768	-6.061	1.66E-05	0.000147	2.644908	8.394159	8.387075	8.38925	8.383071	8.396742	8.373315	8.401076	8.383171	8.427174	8.374708	8.336877	8.347234	8.335515	8.326204	8.3463	8.34637
DOK1	cg2579227	-0.07638	7.775208	-5.43175	5.57E-05	0.000388	1.466373	8.293537	8.319803	8.313161	8.298819	8.293823	8.286019	8.310784	8.272378	8.313243	8.29171	8.227584	8.240868	8.242435	8.229584	8.243741	8.265891
ZFHX3	cg0817067	-0.07635	7.798824	-7.31025	1.77E-06	2.41E-05	4.99466	8.312478	8.311177	8.293314	8.297815	8.311136	8.32303	8.328042	8.317576	8.321026	8.311272	8.259313	8.260413	8.273375	8.249141	8.265119	8.275821
RUNX3	cg2067449	-0.07628	7.916048	-4.95597	0.000144	0.000842	0.434056	8.396122	8.404982	8.379526	8.428072	8.369436	8.388556	8.410015	8.413235	8.413325	8.37542	8.357115	8.329851	8.336773	8.364867	8.348842	8.339933
CD4	cg0254004	-0.07623	7.807401	-3.20401	0.005539	0.01628	-3.17594	8.344292	8.331336	8.339138	8.324114	8.270212	8.286505	8.326483	8.337435	8.333884	8.300823	8.237197	8.249999	8.235738	8.298636	8.296712	8.296203
AGTR1	cg0965867	-0.07623	7.932459	-5.88587	2.31E-05	0.000193	2.291831	8.407954	8.415496	8.414078	8.409054	8.394857	8.375361	8.404106	8.404858	8.42026	8.439291	8.365879	8.356428	8.354661	8.356985	8.348109	8.379269
NEDD4L	cg2161539	-0.07621	7.924428	-6.70258	5.12E-06	5.65E-05	3.850343	8.404223	8.40322	8.427595	8.427915	8.391897	8.406582	8.397264	8.409071	8.408617	8.397942	8.342994	8.33798	8.354106	8.33042	8.35386	8.359941
TSSC4	cg0220803	-0.07616	7.839642	-8.20448	4.03E-07	7.71E-06	6.499252	8.333976	8.339487	8.345248	8.344674	8.337271	8.358374	8.348797	8.355764	8.342099	8.333862	8.27818	8.29429	8.291578	8.284631	8.293804	8.293206
SEPT4	cg0806408	-0.07614	7.629887	-4.36651	0.000481	0.002238	-0.67761	8.218613	8.207692	8.219566	8.199919	8.195231	8.217399	8.192355	8.202586	8.174174	8.187031	8.098275	8.135228	8.13797	8.132595	8.127584	8.18189
PBRM1	cg1312508	-0.07609	7.959281	-5.4584	5.28E-05	0.000371	1.431477	8.40404	8.426025	8.427952	8.44252	8.394835	8.416541	8.433493	8.447796	8.456917	8.417987	8.394729	8.38266	8.363637	8.396796	8.385224	8.368627
PAX6	cg1389170	-0.07603	7.80006	-5.77959	2.83E-05	0.000226	2.146703	8.317672	8.323328	8.325308	8.316303	8.309935	8.307166	8.306032	8.335215	8.320918	8.300586	8.25154	8.250135	8.251639	8.245341	8.290817	8.272591

LIFR	cg1095995	-0.07601	7.77941	-5.9013	2.25E-05	0.000188	2.39402	8.310431	8.32627	8.304285	8.307016	8.313852	8.294661	8.282378	8.316086	8.301896	8.285633	8.220458	8.236605	8.247777	8.232617	8.25275	8.258396
ZHX2	cg2358791	-0.076	7.849034	-6.98977	3.07E-06	3.79E-05	4.405314	8.351993	8.361519	8.357854	8.343707	8.35024	8.326883	8.345505	8.351453	8.368191	8.345179	8.292482	8.298341	8.282189	8.304901	8.297382	8.304992
UVRAG	cg1393565	-0.07597	7.906154	-9.83553	3.50E-08	1.14E-06	8.988559	8.391322	8.402987	8.401335	8.398312	8.405487	8.402581	8.386965	8.394899	8.387488	8.381568	8.32154	8.336635	8.335161	8.334055	8.327936	8.333253
EMP1	cg2728455	-0.07592	7.864709	-4.18897	0.000696	0.003006	-1.13947	8.363319	8.362011	8.389572	8.360533	8.363717	8.310645	8.351239	8.364167	8.354679	8.389616	8.290751	8.293305	8.317667	8.306648	8.33704	8.308304
CBFA2T3	cg0763007	-0.07588	7.073638	-3.34538	0.004114	0.012791	-2.78658	7.810324	7.830902	7.824384	7.825147	7.854578	7.838159	7.812032	7.83194	7.863633	7.861567	7.811368	7.817399	7.820128	7.769999	7.786243	7.764639
NFATC1	cg0127743	-0.07583	7.451876	-5.07286	0.000114	0.000699	0.818811	8.062625	8.076485	8.094159	8.082957	8.092891	8.073871	8.090833	8.06994	8.092979	8.043243	8.018349	8.023715	8.022505	8.033213	8.007391	8.031071
AXIN2	cg1779759	-0.07566	7.917768	-6.70762	5.07E-06	5.61E-05	3.861766	8.401498	8.40451	8.411958	8.384838	8.414879	8.395219	8.373848	8.407878	8.405633	8.412979	8.340601	8.346532	8.351516	8.33736	8.346744	8.340054
CUX1	cg0726641	-0.07546	7.877118	-4.8158	0.000191	0.001062	0.166852	8.380425	8.393683	8.357969	8.365169	8.396011	8.358518	8.364035	8.368723	8.377504	8.365091	8.333992	8.289426	8.315406	8.311065	8.3422	8.287005
PKD1	cg0707691	-0.07544	7.88374	-5.62777	3.80E-05	0.000283	1.809155	8.364171	8.375875	8.367742	8.367742	8.363088	8.406747	8.398596	8.376558	8.36479	8.368638	8.325085	8.319941	8.312424	8.320929	8.342731	8.30702
EDNRB	cg0749502	-0.07543	7.773766	-5.48577	5.01E-05	0.000354	1.572096	8.279249	8.308648	8.288375	8.275588	8.292019	8.276644	8.291358	8.295535	8.32854	8.298414	8.231768	8.272523	8.245143	8.247397	8.257455	8.237873
HIVEP1	cg1665915	-0.07541	7.892378	-6.84885	3.94E-06	4.64E-05	4.133106	8.379934	8.409299	8.390439	8.388646	8.377665	8.378161	8.364948	8.390173	8.382974	8.378991	8.317879	8.325062	8.312926	8.318868	8.343326	8.322752
NTRK3	cg2569975	-0.07541	7.290106	-4.63164	0.000278	0.00144	-0.07582	7.995632	7.985181	7.976676	7.970535	7.946526	7.957569	7.969929	7.975124	7.978316	7.961565	7.894019	7.916416	7.914838	7.940445	7.928984	7.936303
HIVEP3	cg1171706	-0.07541	7.808666	-5.2776	7.55E-05	0.000499	1.144557	8.33532	8.333832	8.325109	8.318501	8.341308	8.32695	8.3156	8.336576	8.304289	8.312039	8.265243	8.243896	8.254548	8.282818	8.290631	8.236144
RPS6KA2	cg1570557	-0.07539	7.883247	-6.41946	8.54E-06	8.53E-05	3.338712	8.365998	8.364219	8.362298	8.381625	8.366514	8.379135	8.372274	8.370222	8.396171	8.377721	8.322927	8.339054	8.343772	8.306687	8.315092	8.312471
DAPK2	cg1398356	-0.07538	7.646337	-4.76269	0.000213	0.001159	0.139781	8.189267	8.203423	8.187911	8.205529	8.211137	8.211578	8.195175	8.219272	8.239354	8.193641	8.172483	8.156871	8.177479	8.126667	8.160891	8.156482
BTG2	cg2013806	-0.07531	7.537665	-6.17554	1.34E-05	0.000124	2.984806	8.131914	8.145722	8.130463	8.137148	8.127682	8.166861	8.139494	8.131904	8.124573	8.123981	8.075196	8.07734	8.080458	8.094627	8.073779	8.066226
TOM1L2	cg2634579	-0.0752	7.823874	-4.24811	0.000615	0.002724	-0.99495	8.340231	8.352594	8.335509	8.329861	8.302647	8.314384	8.34592	8.344227	8.334267	8.315774	8.26178	8.272253	8.242892	8.308024	8.293591	8.301653
ILK	cg0732220	-0.07504	7.870232	-6.51062	7.23E-06	7.41E-05	3.516021	8.374367	8.347707	8.363321	8.368712	8.353271	8.364713	8.381709	8.355117	8.370311	8.367384	8.299203	8.317428	8.325029	8.314751	8.294591	8.328615
WNT5A	cg0851138	-0.07504	7.408527	-3.74714	0.001762	0.00639	-1.93903	8.027507	8.026726	8.020977	8.034088	8.067876	8.077361	8.050806	8.039002	8.058055	8.056645	8.021463	8.015081	8.023561	7.973504	7.985197	7.984922
MYO1A	cg0151448	-0.07503	7.37604	-6.51874	7.13E-06	7.33E-05	3.650135	8.020871	8.026614	8.023534	8.027348	8.026471	8.024365	8.011821	8.042128	8.024508	8.032429	7.976253	7.97967	7.979527	7.989748	7.955927	7.984122
TOM1L2	cg2683317	-0.07502	7.757351	-4.93138	0.000151	0.000879	0.457872	8.309231	8.309052	8.296775	8.285194	8.267671	8.292906	8.28953	8.274472	8.272322	8.286182	8.210142	8.219367	8.21059	8.21466	8.258607	8.245771
ALPL	cg1444431	-0.07492	7.860658	-3.6677	0.002084	0.007332	-2.23687	8.365992	8.37769	8.373645	8.332163	8.314165	8.337854	8.362048	8.364798	8.351856	8.379862	8.286215	8.305638	8.270566	8.320813	8.347145	8.32627
MYH9	cg2371225	-0.07481	7.783258	-3.79936	0.001578	0.005835	-1.92068	8.304967	8.324513	8.317436	8.28521	8.29741	8.308111	8.327518	8.316121	8.276658	8.288814	8.226323	8.232871	8.21577	8.249336	8.287436	8.276291
VPS53	cg2084365	-0.07474	7.902841	-6.0238	1.78E-05	0.000156	2.576937	8.395882	8.377276	8.385685	8.397226	8.406397	8.383699	8.390714	8.392865	8.383428	8.388653	8.314946	8.360252	8.334345	8.314825	8.348678	8.328108
PPARG	cg0141265	-0.07462	7.849504	-6.15335	1.40E-05	0.000128	2.84959	8.364079	8.348	8.341366	8.360631	8.333412	8.342032	8.35519	8.352425	8.363708	8.339831	8.297194	8.303388	8.282533	8.322909	8.284017	8.2975
RASAL2	cg2016366	-0.07457	7.903745	-2.93452	0.00973	0.025679	-3.77472	8.397815	8.408419	8.412392	8.362232	8.37874	8.335536	8.402069	8.4128	8.392936	8.372693	8.295037	8.317498	8.307518	8.386976	8.371376	8.360322
PER2	cg0432474	-0.07455	7.909429	-5.32671	6.85E-05	0.000462	1.198507	8.401965	8.404643	8.421752	8.424039	8.403094	8.38534	8.393957	8.386768	8.400409	8.367215	8.328009	8.343942	8.308987	8.317055	8.33802	8.354911
CBFA2T3	cg0235586	-0.07451	7.316388	-4.21839	0.000655	0.002866	-0.94098	7.982154	7.982408	7.994068	7.978859	7.970095	7.946609	8.007578	7.986967	7.991692	7.99589	7.939356	7.929182	7.935609	7.979315	7.925808	7.968534
NRCAM	cg2599487	-0.07448	7.845027	-6.754	4.67E-06	5.26E-05	3.977266	8.348588	8.33611	8.360831	8.341888	8.337425	8.325856	8.352581	8.356945	8.342567	8.35371	8.28544	8.29403	8.282844	8.307368	8.315517	8.295016
MTUS1	cg0118631	-0.07443	7.224548	-4.22996	0.000639	0.002808	-0.91282	7.918934	7.944099	7.912231	7.968683	7.913035	7.934784	7.930716	7.920105	7.922541	7.941811	7.899802	7.88536	7.879926	7.889121	7.858312	7.87196
RUNX3	cg2028892	-0.07441	7.632141	-5.10155	0.000107	0.000668	0.842249	8.21015	8.206198	8.215549	8.203175	8.190644	8.211749	8.212937	8.198964	8.188986	8.170751	8.120297	8.142013	8.119381	8.162025	8.1405	8.158696
CBFA2T3	cg0335376	-0.07438	7.786015	-6.99897	3.03E-06	3.76E-05	4.448455	8.314372	8.315937	8.317352	8.297098	8.325155	8.303	8.308614	8.293912	8.303496	8.300571	8.25493	8.246056	8.2307	8.24249	8.247502	8.264307
HIVEP3	cg1711123	-0.07437	7.807298	-6.09862	1.55E-05	0.000139	2.763531	8.324038	8.318222	8.313702	8.304846	8.334447	8.330283	8.322753	8.333935	8.294596	8.331371	8.274914	8.253958	8.261814	8.263037	8.264867	8.279806
PRDM11	cg2061406	-0.0743	7.74615	-5.95794	2.02E-05	0.000172	2.514875	8.287512	8.263083	8.26929	8.292391	8.300049	8.275858	8.281914	8.271067	8.28072	8.265969	8.227862	8.235293	8.22048	8.198817	8.219584	8.226232
ZHX2	cg1556821	-0.07426	7.861109	-4.61231	0.000289	0.001484	-0.24824	8.370166	8.377124	8.347928	8.354517	8.378212	8.344342	8.375023	8.374655	8.342629	8.338815	8.299631	8.289367	8.275478	8.333125	8.318332	8.302562
PEG3	cg1337464	-0.07425	7.758176	-5.54736	4.44E-05	0.00032	1.703547	8.294451	8.294414	8.289689	8.266052	8.285115	8.300632	8.292831	8.299187	8.266688	8.278405	8.213608	8.21607	8.225438	8.235274	8.255445	8.237923
GSN	cg1436545	-0.07424	7.839063	-5.51445	4.74E-05	0.000338	1.604783	8.355931	8.340145	8.332771	8.351233	8.347163	8.329833	8.359808	8.349721	8.317943	8.34798	8.285905	8.298345	8.261287	8.302901	8.302354	8.285502
PIAS1	cg1683078	-0.07414	7.952452	-4.69601	0.000244	0.001296	-0.12199	8.434177	8.409	8.43821	8.418577	8.418508	8.404019	8.415781	8.437963	8.413317	8.449204	8.381075	8.373058	8.350535	8.344979	8.386685	8.405095
LITAF	cg0714363	-0.07409	7.574451	-7.97337	5.85E-07	1.04E-05	6.185853	8.161184	8.160309	8.157071	8.157584	8.163711	8.147166	8.157556	8.159707	8.150707	8.16648	8.11177	8.09573	8.107362	8.103617	8.119446	8.103589
ZNF185	cg1698334	-0.07408	7.856394	-4.10652	0.000827	0.003462	-1.30933	8.368603	8.357338	8.372021	8.314094	8.338877	8.350657	8.368204	8.361879	8.364097	8.34315	8.297973	8.287003	8.268234	8.31679	8.326241	8.332418
ADAMTS8	cg0126021	-0.07406	7.334134	-5.559	4.34E-05	0.000314	1.807645	7.999777	8.004318	7.996365	7.968265	7.994367	8.000255	7.988422	8.00756	8.01395	8.000581	7.93982	7.94486	7.965542	7.955552	7.968713	7.946469
LRIG1	cg0597205	-0.07393	7.840903	-4.36294	0.000485	0.002251	-0.7569	8.368961	8.371049	8.351339	8.349107	8.346466	8.359406	8.357392	8.346963	8.328642	8.314811	8.258078	8.282457	8.257298	8.272947	8.319687	8.306424
TOM1L2	cg0855609	-0.07392	7.761147	-3.71779	0.001875	0.006727	-2.08398	8.308293	8.296346	8.295417	8.29921	8.252513	8.27833	8.299567	8.308118	8.26239	8.280194	8.21628	8.216545	8.199466	8.256813	8.253016	8.262617
MRVI1	cg2644291	-0.07387	7.828224	-2.83043	0.012072	0.030501	-3.94354	8.353804	8.349238	8.357483	8.296231	8.310979	8.315111	8.353701	8.357121	8.324964	8.319295	8.256492	8.261731	8.229207	8.326765	8.318739	8.315277
PRKCDBP	cg2741448	-0.07384	7.404883	-5.77615	2.85E-05	0.000227	2.230132	8.059715	8.037709	8.063132	8.04451	8.036132	8.028571	8.045878	8.051871	8.03477	8.048562	7.980984	7.99005	7.988587	7.995031	8.006683	8.012105
ALDH1A2	cg0017362	-0.07377	7.766483	-7.07597	2.65E-06	3.36E-05	4.591333	8.28544	8.285657	8.292605	8.314713	8.280819	8.275301	8.295723	8.29747	8.293065	8.28593	8.236313	8.244155	8.233053	8.237294	8.249154	8.237636
ZBTB7C	cg1350891	-0.07375	7.46272	-5.75403	2.98E-05	0.000235	2.180168	8.081299	8.066843	8.090186	8.098505	8.080631	8.07161	8.085457	8.078961	8.080855	8.091651	8.03157	8.036129	8.0435	8.02571	8.054482	8.012396
TSSC4	cg2191077	-0.07363	7.650621	-6.99023	3.07E-06	3.79E-05	4.468187	8.202305	8.217529	8.208966	8.204719	8.19283	8.217649	8.217012	8.211338	8.217028	8.203822	8.15037	8.152352	8.165279	8.154248	8.17883	8.15962
SRGAP3	cg0834097	-0.07362	7.82857	-5.86367	2.41E-05	0.000199	2.299476	8.335651	8.324673	8.335659	8.349529	8.317045	8.355331	8.345876	8.343228	8.331572	8.321143	8.29537	8.261206	8.282018	8.277114	8.295846	8.277628
EMP2	cg1023668	-0.07358	7.846368	-3.40234	0.003649	0.011566	-2.7904	8.353226	8.33744	8.351178	8.316092	8.292394	8.292607	8.373307	8.331212	8.36381	8.385899	8.284774	8.303363	8.292891	8.301094	8.31947	8.354119
LRIG1	cg1298118	-0.07358	7.857506	-6.34865	9.73E-06	9.48E-05	3.219206	8.36751	8.365944	8.357486	8.362636	8.348146	8.353574	8.356826	8.344449	8.355898	8.362728	8.307137	8.291001	8.300106	8.280104	8.329618	8.297028
PTCH1	cg1459698	-0.07353	7.869659	-5.98709	1.91E-05	0.000165	2.521434	8.370454	8.377475	8.362504	8.364593	8.340846	8.387599	8.363607	8.363144	8.382586	8.347461	8.304002	8.316934	8.301367	8.308598	8.309477	8.319221
PTPRK	cg0836657	-0.07352	7.906572	-4.65295	0.000266	0.001392	-0.18778	8.371086	8.416302	8.395754	8.36478	8.417243	8.370485	8.398632	8.379568	8.414164	8.383051	8.335004	8.342871	8.334094	8.341715	8.356544	8.324908
TAGLN	cg1438934	-0.0735	7.696592	-3.97516	0.00109	0.004323	-1.51959	8.266017	8.244257	8.248271	8.247069	8.228314	8.257894	8.257676	8.25675	8.225678	8.214391	8.18551	8.17608	8.146703	8.180993	8.218806	8.208868
CNDP2	cg0620641	-0.0735	7.782597	-4.87861	0.000168	0.00096	0.34152	8.315694	8.32511	8.337746	8.337191	8.283992	8.310195	8.306218	8.282428	8.29703	8.289282	8.244617	8.224283	8.226647	8.232352	8.259648	8.25531
FLCN	cg1669603	-0.07345	7.820997	-3.21906	0.005367	0.015878	-3.15111	8.348545	8.352069	8.334312	8.326304	8.280583	8.311133	8.343751	8.346593	8.325038	8.317674	8.263091	8.245444	8.24443	8.299796	8.302816	8.321683
TP53INP1	cg1604986	-0.07337	7.440621	-6.07286	1.62E-05	0.000144	2.801966	8.067577	8.079938	8.066324	8.073797	8.084321	8.058623	8.08231	8.070117	8.060717	8.053107	8.012556	8.006842	8.012777	8.012756	8.038313	8.01755
NFATC1	cg0241474	-0.0733	7.611177	-2.7711	0.013643	0.033699	-3.9841	8.187969	8.20454	8.20233	8.161614	8.149708	8.171225	8.212755	8.200356	8.172908	8.155935	8.090459	8.116888	8.095333	8.154133	8.179604	8.167711
NDRG4	cg0203636	-0.07329	6.933116	-5.08885	0.00011	0.000681	0.766477	7.756883	7.751524	7.739396	7.763372	7.75401	7.738954	7.758962	7.772878	7.727901	7.767819	7.71313	7.704539	7.705685	7.7291	7.718193	7.705641
AKT1	cg0497181	-0.07328	7.718341	-7.45006	1.39E-06	2.01E-05	5.265301	8.25172	8.249106	8.263682	8.268503	8.253998	8.251372	8.267665	8.258775	8.249517	8.256678	8.189809	8.208745	8.211106	8.216871	8.207416	8.199383
FOXP1	cg0004502	-0.07317	7.740633	-5.40281	5.89E-05	0.000406	1.419797	8.266279	8.28084	8.28556	8.277906	8.272327	8.242083	8.264566	8.278756	8.293197	8.261724	8.221503	8.208945	8.218798	8.232867	8.210052	8.238501
CBFA2T3	cg0868881	-0.07314	7.759123	-4.58362	0.000307	0.001558	-0.26367	8.303569	8.298199	8.303582	8.300294	8.262127	8.275906	8.286458	8.291952	8.284082	8.271701	8.212864	8.234472	8.197722	8.243432	8.240648	8.255147
ZHX2	cg0340811	-0.07309	7.615641	-7.7177	8.89E-07	1.41E-05	5.747304	8.177092	8.173621	8.192702	8.172498	8.184362	8.187056	8.185833	8.1867	8.194974	8.189251	8.135922	8.145355	8.136842	8.133264	8.127492	8.147453
DKK3	cg1222836	-0.07306	7.846049	-5.44144	5.46E-05	0.000382	1.452874	8.343	8.342557	8.338645	8.359635	8.323165	8.323833	8.348956	8.361566	8.337546	8.368	8.308152	8.307732	8.272601	8.297727	8.296009	8.319322
NR2C2	cg1748110	-0.07305	7.942542	-4.66255	0.000261	0.001369	-0.18377	8.414809	8.413749	8.433332	8.451254	8.386952	8.431868	8.404943	8.436143	8.411567	8.411372	8.341351	8.369334	8.368922	8.348042	8.358262	8.382875
ZHX2	cg1068974	-0.07303	7.758906	-4.18605	0.000701	0.003022	-1.09532	8.296782	8.32994	8.287069	8.261871	8.291192	8.305946	8.281142	8.287337	8.269072	8.283916	8.219887	8.225014	8.201039	8.215106	8.248556	8.256325
MAL	cg2124565	-0.07303	7.803405	-3.87343	0.00135	0.005151	-1.77342	8.324851	8.326824	8.327046	8.340356	8.288664	8.303038	8.328904	8.3342	8.312709	8.292806	8.243984	8.252558	8.241157	8.263585	8.311388	8.270815
PTPRC	cg0814119	-0.07298	7.72765	-5.31526	7.00E-05	0.00047	1.247447	8.246186	8.243988	8.255448	8.259587	8.290764	8.262236	8.263607	8.27294	8.274768	8.254814	8.226604	8.226576	8.218929	8.200191	8.217411	8.194424
CUX1	cg0795809	-0.07298	7.823748	-5.11275	0.000105	0.000658	0.800363	8.334438	8.346081	8.330568	8.313038	8.321699	8.331008	8.345182	8.342835	8.321293	8.325711	8.263925	8.274664	8.257655	8.275582	8.312531	8.297634
NRCAM	cg2413953	-0.07295	7.926744	-5.05307	0.000118	0.00072	0.628762	8.428958	8.398266	8.410509	8.399222	8.420248	8.364266	8.394975	8.41315	8.405872	8.420156	8.348994	8.341438	8.353485	8.355932	8.371246	8.353572
TSPAN32	cg0911415	-0.07294	7.620591	-6.72665	4.90E-06	5.49E-05	3.997029	8.192322	8.186733	8.196571	8.179874	8.178689	8.20139	8.178131	8.184856	8.193329	8.202689	8.147037	8.1369	8.137344	8.12612	8.132254	8.150519
WNT5A	cg1801075	-0.07291	7.801644	-5.42138	5.68E-05	0.000393	1.434396	8.319131	8.318266	8.293855	8.321733	8.297134	8.332699	8.31385	8.318333	8.336596	8.302646	8.248968	8.28393	8.274621	8.260675	8.255091	8.264777
LITAF	cg0205192	-0.07286	7.691452	-3.85249	0.001411	0.005324	-1.77896	8.256152	8.251466	8.237673	8.230475	8.20818	8.203548	8.245513	8.250294	8.231143	8.245188	8.177556	8.159525	8.172776	8.213562	8.196606	8.225896
DICER1	cg2652010	-0.07278	7.906133	-5.56831	4.26E-05	0.00031	1.680233	8.400117	8.379619	8.409286	8.378448	8.378625	8.390921	8.400484	8.378306	8.395134	8.397396	8.32716	8.338119	8.337037	8.315178	8.365476	8.349621
STK11	cg1660190	-0.07277	7.752778	-6.1397	1.43E-05	0.00013	2.861606	8.273376	8.284077	8.291436	8.268852	8.288094	8.269457	8.290021	8.264833	8.27416	8.303233	8.223578	8.225488	8.242469	8.236058	8.236255	8.218727
ARNTL	cg2655088	-0.07277	7.905297	-3.94769	0.001155	0.004535	-1.66958	8.400969	8.407379	8.403058	8.373981	8.36002	8.351966	8.395045	8.389316	8.415416	8.383729	8.326251	8.326594	8.315593	8.374894	8.344802	8.362454
CUX1	cg1859440	-0.07274	7.670828	-7.76406	8.24E-07	1.33E-05	5.814355	8.222152	8.22229	8.226582	8.208216	8.221904	8.231406	8.228848	8.226778	8.233732	8.212545	8.174872	8.170849	8.166665	8.170452	8.183305	8.17603
CYLD	cg2232511	-0.07269	7.849088	-5.65843	3.58E-05	0.00027	1.885856	8.358128	8.345093	8.356372	8.337774	8.336892	8.352273	8.350845	8.367153	8.336479	8.35261	8.292941	8.285422	8.284747	8.327172	8.285704	8.313826
PPM1A	cg1134375	-0.07269	7.865958	-5.42312	5.66E-05	0.000392	1.409686	8.354736	8.371721	8.377779	8.359232	8.356222	8.355791	8.358791	8.335627	8.390291	8.364807	8.302889	8.324364	8.312897	8.290388	8.30843	8.313319
THRB	cg1922478	-0.07264	7.957556	-7.15082	2.32E-06	3.00E-05	4.647031	8.415338	8.441917	8.42569	8.418666	8.434152	8.437803	8.442802	8.422058	8.417369	8.434875	8.370271	8.370618	8.380977	8.388918	8.366569	8.371603
ALPL	cg0714201	-0.07264	7.537558	-5.16521	9.44E-05	0.000604	0.991789	8.141217	8.126339	8.129844	8.125871	8.13031	8.099907	8.1447	8.139738	8.143742	8.121552	8.074769	8.081769	8.074244	8.086062	8.08905	8.116436
UIMC1	cg0025749	-0.07261	7.892809	-4.90729	0.000159	0.000913	0.348053	8.391355	8.391231	8.383809	8.395346	8.398878	8.352932	8.397041	8.376699	8.37422	8.370495	8.323121	8.320965	8.309055	8.320225	8.319153	8.36259
SGMS1	cg2743834	-0.07258	7.518686	-4.08774	0.000861	0.003571	-1.23874	8.13282	8.127064	8.137026	8.097236	8.118135	8.100986	8.115323	8.117182	8.107033	8.144994	8.053787	8.083245	8.047017	8.090334	8.097265	8.054645
STK10	cg1667505	-0.07255	7.976199	-5.61664	3.88E-05	0.000287	1.743047	8.432472	8.472758	8.449026	8.437291	8.427915	8.439123	8.430476	8.434	8.435342	8.471074	8.380917	8.394977	8.384242	8.392005	8.380811	8.395903
SRGAP3	cg0675648	-0.0725	7.659527	-4.46708	0.00039	0.001897	-0.47631	8.218622	8.238301	8.230167	8.22358	8.21494	8.214308	8.177071	8.209499	8.229312	8.232858	8.183396	8.170968	8.148154	8.169026	8.156135	8.136608
FHL1	cg0798407	-0.07249	7.929581	-6.45419	8.02E-06	8.07E-05	3.382074	8.405245	8.395894	8.383015	8.406495	8.390185	8.421881	8.414307	8.411603	8.399513	8.428584	8.361231	8.364169	8.37196	8.357379	8.347084	8.354387
NRF1	cg0327712	-0.07247	7.785329	-3.57483	0.002535	0.008627	-2.39438	8.319657	8.323956	8.325828	8.282211	8.278088	8.2819	8.31632	8.305229	8.303579	8.299756	8.228797	8.243876	8.212385	8.277818	8.280317	8.27823
STAT3	cg0778078	-0.07242	7.82191	-6.27129	1.12E-05	0.000107	3.0869	8.331117	8.331186	8.33826	8.345462	8.311551	8.313715	8.338522	8.333443	8.318972	8.336897	8.279645	8.260292	8.272923	8.279826	8.288458	8.292421
HIVEP3	cg0499515	-0.0724	7.575413	-5.28303	7.47E-05	0.000495	1.222051	8.165507	8.152195	8.163919	8.141567	8.133899	8.156219	8.168527	8.165493	8.151254	8.164154	8.092745	8.10659	8.101342	8.103387	8.134251	8.132325
RNF180	cg0785015	-0.07239	7.820584	-5.93735	2.10E-05	0.000177	2.447779	8.344091	8.337771	8.345634	8.331034	8.322909	8.327222	8.340627	8.324853	8.320452	8.320843	8.261382	8.258913	8.263165	8.27577	8.304147	8.279175
EMP2	cg0045163	-0.07233	7.078665	-6.89931	3.61E-06	4.31E-05	4.337179	7.836801	7.837052	7.852049	7.851905	7.849505	7.832331	7.84685	7.831776	7.834298	7.839343	7.795482	7.793083	7.790191	7.803235	7.794608	7.781024
GSK3B	cg1447961	-0.07232	7.924583	-4.03915	0.000953	0.003883	-1.48632	8.413637	8.382909	8.417018	8.399541	8.371537	8.401583	8.404575	8.422248	8.426175	8.384087	8.368983	8.320087	8.347199	8.349588	8.350682	8.395457
ALDH1A2	cg1623470	-0.0723	7.672647	-6.40386	8.79E-06	8.72E-05	3.385982	8.242122	8.232408	8.231784	8.228166	8.21924	8.219024	8.234516	8.207896	8.225864	8.224935	8.162495	8.161337	8.177008	8.165475	8.173057	8.191791
RPS6KA2	cg1197096	-0.07217	7.621435	-4.53357	0.00034	0.001694	-0.32654	8.224537	8.209512	8.212967	8.171517	8.180908	8.207424	8.170185	8.188871	8.181865	8.192187	8.118329	8.12825	8.117123	8.127042	8.155081	8.149302
DAB2IP	cg2248215	-0.07208	7.807624	-6.28138	1.10E-05	0.000105	3.113301	8.320782	8.34089	8.332191	8.327776	8.310079	8.309388	8.32148	8.320612	8.32209	8.309755	8.261782	8.262189	8.243458	8.275247	8.273761	8.278826
CHD5	cg1106982	-0.07204	7.649016	-6.13887	1.44E-05	0.000131	2.888315	8.210504	8.196494	8.213115	8.224572	8.202335	8.189691	8.210401	8.221348	8.200495	8.210153	8.155762	8.16392	8.145741	8.149164	8.171166	8.171421
NR4A3	cg1219004	-0.07201	7.723929	-5.84199	2.52E-05	0.000205	2.296854	8.259174	8.274353	8.272308	8.255267	8.276884	8.275114	8.261311	8.26935	8.234166	8.260997	8.205567	8.205161	8.184759	8.215731	8.221377	8.195831
TAGLN	cg1381508	-0.072	7.445042	-5.09667	0.000108	0.000674	0.867867	8.059278	8.061908	8.061982	8.075366	8.08546	8.079058	8.070493	8.063064	8.081495	8.070677	8.031278	8.029025	8.044065	7.994461	8.011579	8.024752
NEDD4L	cg0398267	-0.072	7.863002	-6.5744	6.44E-06	6.83E-05	3.639407	8.357746	8.360896	8.359552	8.35226	8.368444	8.363655	8.361664	8.368437	8.376471	8.333156	8.296476	8.315817	8.300709	8.304404	8.31439	8.309027
RPS6KA2	cg0996630	-0.07197	7.555203	-5.07711	0.000113	0.000695	0.810479	8.152529	8.167537	8.148848	8.16202	8.126171	8.14139	8.146326	8.14821	8.143112	8.129255	8.082462	8.088648	8.075676	8.122901	8.091812	8.088896
PTPRT	cg0716716	-0.07191	7.938447	-3.41804	0.00353	0.011283	-2.79849	8.380749	8.413421	8.403551	8.37231	8.447695	8.445271	8.45731	8.414488	8.406693	8.392279	8.360007	8.367078	8.36193	8.366406	8.34477	8.383152
PHLPP2	cg2458827	-0.07189	7.947523	-5.71823	3.19E-05	0.000247	1.957048	8.420106	8.413537	8.403938	8.401897	8.441324	8.427121	8.437677	8.433779	8.399348	8.424159	8.370845	8.364893	8.366149	8.359185	8.372255	8.386111
TCF7L2	cg2533157	-0.07173	7.508362	-3.2735	0.004786	0.014489	-2.94181	8.119624	8.136542	8.124991	8.083408	8.084011	8.099424	8.121543	8.132936	8.106023	8.10448	8.025918	8.049832	8.048123	8.086028	8.095101	8.096254
LRRC4	cg0617372	-0.07172	7.745553	-4.78796	0.000202	0.001111	0.165655	8.289443	8.303012	8.281568	8.271105	8.259586	8.280558	8.278512	8.260093	8.276147	8.279039	8.193109	8.242142	8.207157	8.224285	8.219237	8.244544
MYH9	cg0497395	-0.07162	7.90962	-3.98619	0.001065	0.004237	-1.5883	8.417012	8.396624	8.396615	8.390749	8.39976	8.357394	8.397996	8.381011	8.429508	8.368867	8.326761	8.328827	8.345662	8.329758	8.340651	8.374563
DIRAS3	cg2653263	-0.07157	7.845002	-4.63372	0.000277	0.001435	-0.19468	8.360423	8.352935	8.35007	8.358637	8.337078	8.364378	8.344685	8.353674	8.308606	8.364723	8.269857	8.305848	8.280552	8.318308	8.281774	8.285715
PCDHGC3	cg0815532	-0.07148	7.487661	-3.3078	0.004453	0.013638	-2.86642	8.129127	8.115113	8.108633	8.064691	8.084054	8.110986	8.117038	8.097176	8.085451	8.09056	8.026286	8.035986	8.021442	8.076741	8.088222	8.043016
PLEKHO1	cg2325888	-0.07143	7.865171	-3.9579	0.00113	0.004453	-1.62442	8.349199	8.359543	8.354579	8.346853	8.424682	8.35232	8.360263	8.359165	8.361768	8.357797	8.32208	8.324822	8.306107	8.285648	8.301083	8.302804
FOXA2	cg1696314	-0.07141	7.93084	-4.35647	0.000491	0.002274	-0.81737	8.404601	8.410053	8.410229	8.456697	8.423412	8.38666	8.40445	8.413276	8.376522	8.428344	8.359698	8.352409	8.360971	8.338013	8.34894	8.354213
ZNF185	cg2284801	-0.07129	7.768764	-6.25304	1.16E-05	0.00011	3.073455	8.299819	8.300626	8.309958	8.293273	8.284765	8.28079	8.285309	8.298056	8.287253	8.293792	8.232924	8.228868	8.228378	8.242126	8.23911	8.265201
GATA5	cg1574974	-0.07119	7.590662	-5.94679	2.06E-05	0.000175	2.532156	8.150404	8.165934	8.156324	8.164601	8.168123	8.170449	8.172235	8.158398	8.179461	8.178813	8.127445	8.134966	8.132363	8.096489	8.122894	8.119642
TCF7L2	cg1052007	-0.07119	7.87449	-3.08812	0.007063	0.019778	-3.45166	8.343794	8.384775	8.319202	8.298377	8.39634	8.353524	8.35139	8.397152	8.381084	8.389043	8.319564	8.333475	8.3394	8.349762	8.319464	8.299629
CDH13	cg1301552	-0.07098	7.490094	-4.91275	0.000157	0.000905	0.484851	8.097417	8.114918	8.099294	8.082954	8.078721	8.105982	8.113516	8.095318	8.086956	8.117245	8.063686	8.03631	8.044571	8.066579	8.07321	8.04252
PER2	cg2287983	-0.07097	7.732364	-5.78061	2.83E-05	0.000226	2.174224	8.264541	8.276892	8.266263	8.275732	8.289422	8.274074	8.244155	8.271344	8.270271	8.262666	8.20965	8.219371	8.229845	8.187975	8.206799	8.212692
TET2	cg2058801	-0.07089	7.837463	-4.3446	0.000503	0.002311	-0.79491	8.354819	8.348107	8.3551	8.365078	8.371095	8.310212	8.361491	8.324643	8.34241	8.315058	8.271796	8.269699	8.289146	8.294404	8.298427	8.279703
GSN	cg1223553	-0.07088	7.814221	-3.81174	0.001538	0.005712	-1.91111	8.335068	8.33111	8.32866	8.324885	8.289305	8.283867	8.338234	8.337995	8.312205	8.333094	8.256811	8.257596	8.255526	8.291141	8.303618	8.306288
WNT7A	cg0073065	-0.07085	6.677027	-3.38485	0.003786	0.011921	-2.98597	7.613357	7.593934	7.609923	7.598224	7.607968	7.623479	7.608573	7.63154	7.606653	7.611122	7.595106	7.575317	7.549249	7.558363	7.557398	7.612967
IGFALS	cg0286212	-0.0708	7.44871	-6.78474	4.42E-06	5.06E-05	4.133379	8.073884	8.082502	8.070377	8.084616	8.067211	8.07446	8.061871	8.07683	8.082782	8.065837	8.015824	8.022078	8.037101	8.022949	8.029655	8.014303
RUNX3	cg1099344	-0.07072	7.893322	-6.53807	6.88E-06	7.14E-05	3.559825	8.390083	8.386587	8.382728	8.379957	8.384198	8.404187	8.37958	8.368818	8.386003	8.377386	8.323411	8.350041	8.316041	8.312033	8.319237	8.332578
DOK2	cg0373205	-0.07068	7.106612	-5.69116	3.36E-05	0.000258	2.06411	7.852042	7.852202	7.854757	7.85695	7.86444	7.860154	7.847586	7.861877	7.864954	7.851032	7.798662	7.81447	7.834144	7.805303	7.820069	7.798674
MME	cg0786255	-0.07065	7.811414	-8.12618	4.57E-07	8.41E-06	6.380696	8.320557	8.309971	8.320008	8.329488	8.322228	8.318329	8.330478	8.318368	8.317442	8.330684	8.277013	8.268453	8.28203	8.276679	8.265267	8.265949

TSC1	cg0523390	-0.07061	6.88148	-3.20952	0.005475	0.016129	-3.19401	7.743543	7.74778	7.719711	7.721707	7.723665	7.697931	7.724509	7.743324	7.730275	7.696668	7.646559	7.680929	7.66366	7.701263	7.701538	7.69681
LITAF	cg0307179	-0.07061	7.584237	-7.4345	1.43E-06	2.06E-05	5.267914	8.15605	8.148212	8.169702	8.159104	8.17149	8.161954	8.161554	8.165539	8.170384	8.166117	8.124118	8.120074	8.116426	8.104902	8.113491	8.119638
LIMD1	cg1785148	-0.07048	7.885438	-3.10242	0.006855	0.019319	-3.42632	8.398728	8.370212	8.393715	8.365211	8.318381	8.327094	8.362811	8.385407	8.40853	8.380339	8.294605	8.328705	8.316404	8.336966	8.359869	8.355156
PAIP2	cg1726391	-0.07048	7.746676	-6.79339	4.35E-06	5.01E-05	4.089322	8.279835	8.294524	8.287936	8.303409	8.272159	8.27797	8.272849	8.272306	8.267643	8.271705	8.20782	8.233028	8.212133	8.219088	8.228551	8.221109
TSPAN32	cg2392968	-0.07044	7.599657	-3.52163	0.002837	0.009454	-2.4464	8.19949	8.193642	8.18935	8.140318	8.165027	8.161427	8.172017	8.186702	8.174093	8.164952	8.113718	8.096805	8.096942	8.150455	8.137144	8.155132
NDRG2	cg2745503	-0.07042	7.407071	-2.5403	0.021845	0.049293	-4.39193	8.064867	8.075408	8.066617	8.0446	8.027527	8.026054	8.068496	8.066004	8.013402	8.023359	7.95902	7.960879	7.965029	8.037232	8.031927	8.018599
LIMD1	cg0713332	-0.07042	7.802463	-4.42782	0.000424	0.002026	-0.60539	8.326834	8.328803	8.320692	8.305309	8.347374	8.309869	8.344576	8.313195	8.295453	8.29541	8.249882	8.251519	8.238905	8.270164	8.279127	8.275042
CTNNBIP1	cg0283358	-0.07036	7.425108	-3.13583	0.006391	0.018257	-3.21155	8.074389	8.082455	8.071163	8.031879	8.0447	8.046777	8.074255	8.067033	8.0439	8.042796	7.977829	8.001957	7.973894	8.030942	8.051566	8.020479
BHLHE41	cg1351526	-0.07033	7.732955	-3.41576	0.003547	0.01132	-2.70896	8.25543	8.280527	8.236379	8.245623	8.251115	8.253688	8.286929	8.266244	8.250966	8.295742	8.193372	8.222824	8.243054	8.190785	8.273436	8.222074
NCOA4	cg1681478	-0.07029	7.930781	-3.38445	0.003789	0.011925	-2.86432	8.404325	8.401608	8.392408	8.364472	8.405435	8.461261	8.428889	8.43178	8.408225	8.376504	8.340005	8.368794	8.345844	8.366922	8.355523	8.375729
NFATC1	cg1275990	-0.07026	6.784556	-7.38199	1.56E-06	2.21E-05	5.038723	7.663602	7.663362	7.665377	7.661601	7.649513	7.675668	7.674199	7.670439	7.666107	7.686343	7.639159	7.632873	7.628772	7.633504	7.629979	7.636568
PER2	cg1387515	-0.07026	7.781199	-5.55284	4.39E-05	0.000318	1.705465	8.309335	8.294931	8.299849	8.290612	8.306451	8.300102	8.319211	8.298174	8.308006	8.280971	8.241986	8.251015	8.240495	8.235611	8.256206	8.277617
RUNX3	cg2484285	-0.07022	7.546566	-4.73563	0.000225	0.001212	0.110264	8.124924	8.152618	8.128144	8.144958	8.152156	8.146081	8.158198	8.110461	8.14526	8.132764	8.082871	8.108606	8.095745	8.081227	8.087959	8.070782
THSD1	cg2700787	-0.07022	7.289439	-3.87102	0.001357	0.005168	-1.66907	7.963859	7.960606	7.938352	7.970719	7.967825	7.981862	7.974551	7.962211	7.958827	7.998428	7.957208	7.939287	7.921033	7.934896	7.910295	7.901073
IQGAP2	cg1411578	-0.07014	7.55419	-3.30297	0.004498	0.013766	-2.89041	8.150351	8.172839	8.15516	8.125659	8.103388	8.130958	8.140866	8.160339	8.139295	8.143224	8.064723	8.094557	8.066475	8.107779	8.118534	8.130912
OSCP1	cg1145136	-0.07013	7.906655	-5.55025	4.42E-05	0.000319	1.646141	8.401274	8.402529	8.387243	8.389249	8.39454	8.402738	8.410326	8.38458	8.360053	8.398039	8.32906	8.331525	8.326546	8.350659	8.354006	8.324792
NRCAM	cg1820721	-0.07013	7.772634	-6.65284	5.59E-06	6.09E-05	3.821652	8.308069	8.303138	8.302023	8.28915	8.291622	8.300855	8.291466	8.30191	8.279887	8.296468	8.229153	8.238621	8.232459	8.251031	8.236773	8.261294
PTPRC	cg0651472	-0.07013	7.812778	-5.57757	4.19E-05	0.000306	1.741269	8.314566	8.31759	8.317014	8.307537	8.315616	8.342929	8.341114	8.320028	8.331374	8.312006	8.277052	8.283483	8.2622	8.2538	8.291083	8.281223
RPS6KA2	cg0054477	-0.07012	7.914484	-5.11496	0.000104	0.000655	0.761118	8.407186	8.396121	8.405029	8.407376	8.374195	8.368191	8.406819	8.39047	8.402769	8.397134	8.319891	8.349976	8.342339	8.345381	8.369578	8.355208
ST7	cg1291446	-0.07007	7.428167	-2.59332	0.019622	0.045122	-4.29317	8.043813	8.050974	8.046765	8.104628	8.086198	8.017627	8.053466	8.026704	8.085264	8.075985	8.017996	8.053082	8.036554	7.990307	7.984693	7.994603
MCC	cg1827615	-0.07006	7.626292	-2.70426	0.01565	0.037715	-4.12123	8.189376	8.216967	8.218206	8.15267	8.161838	8.155836	8.21476	8.190863	8.171824	8.218661	8.114719	8.129588	8.121187	8.189803	8.186359	8.155534
GABARAP	cg2398344	-0.06995	7.272043	-6.29026	1.08E-05	0.000104	3.227844	7.957753	7.959196	7.944043	7.946892	7.96124	7.936912	7.954387	7.968713	7.975536	7.955118	7.918559	7.916486	7.912936	7.918197	7.928873	7.910117
NNAT	cg0481028	-0.0699	7.783276	-3.47382	0.003138	0.010244	-2.60658	8.301379	8.26524	8.271014	8.309493	8.318825	8.294778	8.289457	8.308253	8.29065	8.343368	8.279579	8.281164	8.272531	8.233142	8.235018	8.240607
TGFB1	cg0461448	-0.06989	7.570145	-6.58578	6.31E-06	6.71E-05	3.748645	8.146862	8.157835	8.160504	8.16964	8.138392	8.148842	8.158749	8.152377	8.155906	8.151829	8.112134	8.103856	8.094424	8.100577	8.12114	8.103266
VPS53	cg2225211	-0.06988	7.792466	-5.20465	8.72E-05	0.000565	0.999753	8.280268	8.310032	8.298102	8.300015	8.305823	8.320705	8.309647	8.305563	8.330503	8.305823	8.280196	8.268861	8.266066	8.233509	8.259843	8.263006
SYNM	cg0426376	-0.06984	7.861552	-6.53112	6.97E-06	7.21E-05	3.558444	8.366133	8.351445	8.342099	8.349779	8.34938	8.373287	8.358914	8.358432	8.356453	8.367578	8.312013	8.325571	8.29858	8.304726	8.316761	8.295071
CDH5	cg0222335	-0.06971	7.262078	-6.5791	6.39E-06	6.78E-05	3.76834	7.949135	7.935411	7.942961	7.936591	7.944387	7.965613	7.952209	7.960357	7.955258	7.957972	7.912278	7.91357	7.91523	7.911072	7.899392	7.913415
SEPT4	cg1310570	-0.06965	7.190694	-4.38698	0.000461	0.002164	-0.58415	7.885148	7.886491	7.905528	7.907621	7.914872	7.910718	7.896974	7.905747	7.920705	7.922306	7.881948	7.881205	7.881014	7.860817	7.851658	7.843086
NDRG4	cg1074868	-0.06961	7.735437	-3.10747	0.006782	0.019144	-3.34322	8.291913	8.28911	8.290741	8.246324	8.248017	8.245718	8.289358	8.258874	8.25805	8.267921	8.189859	8.202589	8.182272	8.247898	8.22645	8.261432
DIRAS3	cg2307619	-0.06944	7.884105	-8.187	4.15E-07	7.84E-06	6.452707	8.375255	8.380362	8.370481	8.369299	8.361084	8.373744	8.375837	8.376313	8.378645	8.374977	8.328573	8.326028	8.309721	8.33825	8.322165	8.325036
CHD5	cg2222446	-0.06942	7.765536	-4.79467	0.000199	0.001098	0.171168	8.28313	8.297497	8.298224	8.305354	8.287989	8.262961	8.309871	8.294987	8.283002	8.272508	8.237501	8.23012	8.213852	8.248413	8.253153	8.255282
SASH1	cg1372954	-0.06922	7.670761	-5.73302	3.10E-05	0.000242	2.095627	8.213174	8.227183	8.209204	8.231371	8.232082	8.21889	8.225338	8.210968	8.241207	8.218545	8.188176	8.183055	8.179679	8.164111	8.177109	8.155895
DDR2	cg0338172	-0.06921	7.590801	-4.995	0.000133	0.00079	0.633932	8.184222	8.155619	8.170258	8.174158	8.16827	8.163655	8.145919	8.165286	8.196245	8.162856	8.130814	8.132214	8.112829	8.112278	8.122172	8.103615
LRIG1	cg2205533	-0.06919	7.77572	-5.06153	0.000116	0.00071	0.716545	8.30795	8.31366	8.290954	8.307434	8.287296	8.281149	8.305415	8.293082	8.278396	8.307886	8.240609	8.233187	8.23911	8.262258	8.230717	8.269675
HIVEP1	cg0418646	-0.06913	7.88712	-5.82301	2.61E-05	0.000211	2.19387	8.378364	8.386722	8.390717	8.375892	8.370691	8.375326	8.392483	8.35986	8.392927	8.355139	8.315362	8.320107	8.316511	8.320618	8.34016	8.330118
ZBTB16	cg0999444	-0.06912	7.487515	-3.51077	0.002902	0.009606	-2.44364	8.136036	8.112282	8.116917	8.075168	8.100566	8.102237	8.102684	8.1057	8.076465	8.088726	8.03571	8.024105	8.013443	8.071216	8.060836	8.070975
NEDD4L	cg0529057	-0.06911	7.903665	-5.22311	8.41E-05	0.000548	0.987507	8.401649	8.384833	8.374114	8.413453	8.378305	8.375544	8.366948	8.40761	8.402861	8.379781	8.348136	8.330758	8.342418	8.341462	8.334615	8.329769
TSPAN32	cg2483010	-0.06906	7.781412	-4.20834	0.000669	0.002913	-1.05819	8.308657	8.320598	8.311194	8.322682	8.273001	8.294041	8.30881	8.305554	8.290987	8.288419	8.239182	8.233282	8.227281	8.238955	8.276845	8.273966
SYNM	cg1008871	-0.06905	7.859094	-6.93791	3.37E-06	4.08E-05	4.307033	8.350895	8.352019	8.368438	8.350234	8.342397	8.352889	8.369258	8.35758	8.357993	8.349915	8.296305	8.305575	8.298255	8.319425	8.303686	8.32302
ARL11	cg1182708	-0.06902	7.14572	-5.54053	4.50E-05	0.000324	1.771888	7.888103	7.888735	7.87734	7.895904	7.878731	7.875002	7.871913	7.866901	7.888529	7.882772	7.849892	7.818693	7.846515	7.832071	7.828152	7.826651
MTUS1	cg1303450	-0.06896	7.617402	-2.86608	0.011214	0.02877	-3.79568	8.168098	8.182292	8.18397	8.20989	8.212664	8.187774	8.167169	8.167611	8.187686	8.212557	8.170393	8.172342	8.132739	8.093739	8.092422	8.150106
DKK3	cg2034528	-0.0689	7.76602	-4.69513	0.000244	0.001298	-0.03435	8.305422	8.300801	8.289507	8.301643	8.269405	8.293619	8.306	8.291211	8.268603	8.285749	8.229228	8.232055	8.213822	8.269713	8.245226	8.237493
SH3GLB1	cg0766002	-0.06884	7.529788	-5.00038	0.000131	0.000785	0.658487	8.119284	8.132346	8.118326	8.125242	8.12946	8.144731	8.146968	8.141727	8.110353	8.104745	8.06632	8.082057	8.065858	8.090172	8.087352	8.077523
RHOB	cg1712568	-0.06877	7.037496	-4.65278	0.000266	0.001392	-0.06629	7.811057	7.827657	7.815842	7.805047	7.816419	7.822612	7.822375	7.814571	7.798321	7.818943	7.769288	7.747627	7.783055	7.758108	7.772489	7.795331
RASL10A	cg0877362	-0.06876	7.607052	-3.73656	0.001802	0.006503	-1.99529	8.202192	8.200047	8.171726	8.188642	8.211921	8.191597	8.135336	8.189146	8.169393	8.187027	8.108499	8.140074	8.141823	8.115418	8.136108	8.089675
PLAGL1	cg0913772	-0.06873	7.861042	-5.73492	3.09E-05	0.000241	2.030355	8.357426	8.363259	8.350302	8.336127	8.350611	8.353928	8.353217	8.364762	8.376532	8.350842	8.315696	8.311344	8.294173	8.333686	8.292166	8.316242
CUX1	cg0617366	-0.06872	7.976382	-4.55015	0.000329	0.001648	-0.4336	8.430283	8.441395	8.456942	8.434673	8.47253	8.47351	8.442503	8.460444	8.404561	8.437244	8.382357	8.383334	8.38369	8.401523	8.384611	8.371387
PTPN1	cg1462609	-0.06869	7.53979	-5.6375	3.73E-05	0.000279	1.938752	8.14443	8.130243	8.129038	8.139496	8.145313	8.110176	8.142715	8.125289	8.139539	8.127301	8.097994	8.087419	8.068199	8.094406	8.083001	8.084941
UVRAG	cg1558779	-0.06865	7.828311	-5.67304	3.48E-05	0.000264	1.925335	8.334382	8.34814	8.3315	8.335034	8.319029	8.347617	8.33818	8.329017	8.323562	8.342111	8.279835	8.29556	8.266337	8.269951	8.278606	8.306949
DOK1	cg0450089	-0.06856	7.765116	-6.62013	5.93E-06	6.37E-05	3.762602	8.293209	8.28501	8.285127	8.277292	8.286124	8.300743	8.277946	8.303996	8.285716	8.29229	8.250537	8.246519	8.222679	8.237092	8.244833	8.239682
CACNA2D3	cg2067335	-0.06852	7.664764	-5.72228	3.16E-05	0.000246	2.074036	8.216138	8.210845	8.212187	8.205021	8.190577	8.201673	8.216686	8.221612	8.220308	8.247957	8.172075	8.183099	8.17171	8.170127	8.199818	8.169569
MLH1	cg0337141	-0.0685	7.911379	-3.68627	0.002004	0.007114	-2.22173	8.395363	8.417603	8.402706	8.38931	8.35185	8.392242	8.40218	8.401513	8.400971	8.378964	8.337365	8.31957	8.323071	8.356132	8.392531	8.340633
DAPK2	cg1364529	-0.06849	7.848027	-4.06511	0.000903	0.003714	-1.39333	8.360411	8.35121	8.349721	8.335243	8.315575	8.328849	8.363941	8.348795	8.356171	8.344327	8.284437	8.292153	8.283882	8.286176	8.343121	8.327285
MYH9	cg0408092	-0.06847	7.045634	-4.38738	0.000461	0.002164	-0.61343	7.815799	7.80067	7.833554	7.814699	7.811465	7.808766	7.825994	7.823123	7.797638	7.843631	7.77446	7.770172	7.783549	7.776536	7.806329	7.768941
NFATC1	cg0264381	-0.06842	7.892077	-5.98163	1.93E-05	0.000167	2.500359	8.385388	8.393276	8.387719	8.361602	8.376936	8.385431	8.358	8.373422	8.384875	8.400804	8.32964	8.324858	8.337233	8.32308	8.325352	8.330538
RPS6KA2	cg2248669	-0.06829	7.904409	-3.86547	0.001373	0.005222	-1.8371	8.412232	8.410959	8.392487	8.402156	8.397883	8.370307	8.391879	8.402896	8.39006	8.351248	8.316606	8.319064	8.312654	8.351539	8.327401	8.372331
TNFSF12	cg1726749	-0.06828	7.845816	-4.45647	0.000399	0.001932	-0.56587	8.362922	8.358391	8.35556	8.315828	8.340041	8.373342	8.343689	8.357351	8.332144	8.343479	8.272201	8.281248	8.290016	8.311044	8.293819	8.315214
EPHA3	cg1679797	-0.06826	7.534072	-4.16523	0.000732	0.00313	-1.07815	8.126355	8.106918	8.147314	8.120394	8.145126	8.149481	8.112224	8.119772	8.147626	8.131219	8.086984	8.089389	8.102546	8.081992	8.059746	8.061632
DAB2IP	cg0383815	-0.06823	7.447249	-5.31587	7.00E-05	0.00047	1.311567	8.056419	8.078551	8.070196	8.079369	8.069243	8.076585	8.061058	8.081676	8.05849	8.084965	8.007227	8.038873	8.037032	8.011834	8.028939	8.026425
CHD5	cg0471419	-0.06821	7.396781	-3.20399	0.005539	0.01628	-3.06858	8.02928	8.005892	8.027727	8.051642	8.049299	8.065549	8.027163	8.030491	8.047708	8.049353	8.013245	8.007695	8.025268	7.974526	7.956015	7.98001
MARVELD1	cg2535580	-0.06819	7.578551	-7.9128	6.45E-07	1.11E-05	6.084256	8.161	8.158423	8.159827	8.156823	8.155971	8.166808	8.158284	8.158209	8.148616	8.172833	8.113724	8.114077	8.109846	8.110791	8.111235	8.110678
UIMC1	cg0054623	-0.06818	7.912031	-5.33582	6.73E-05	0.000454	1.208957	8.397968	8.378734	8.393363	8.359374	8.370386	8.41129	8.400567	8.398981	8.398448	8.403168	8.330379	8.344682	8.359707	8.348671	8.351143	8.362065
CXCR2	cg1059179	-0.06813	7.58249	-2.5721	0.020484	0.04669	-4.36318	8.191548	8.190055	8.169114	8.134886	8.136353	8.155866	8.177446	8.182875	8.140817	8.146665	8.069789	8.095981	8.077565	8.149608	8.138521	8.154541
BMP4	cg1953455	-0.06807	7.091643	-5.38906	6.05E-05	0.000416	1.458184	7.869694	7.843889	7.863111	7.835863	7.854831	7.852044	7.843593	7.850867	7.841254	7.836526	7.795998	7.785187	7.795951	7.803507	7.803389	7.818206
RASAL2	cg0216780	-0.06804	6.972773	-4.92978	0.000151	0.000881	0.468386	7.767135	7.753323	7.764096	7.760792	7.791421	7.775176	7.779968	7.802356	7.766348	7.775616	7.746922	7.742092	7.731022	7.737411	7.748757	7.73046
TBX5	cg1660532	-0.06802	7.618138	-4.35201	0.000496	0.002287	-0.70564	8.208832	8.209927	8.197506	8.179314	8.196928	8.175541	8.195422	8.18672	8.16964	8.175448	8.128693	8.116816	8.104319	8.148893	8.152813	8.151796
XAF1	cg2697763	-0.06797	7.34775	-5.12271	0.000103	0.000648	0.930285	8.000786	8.001623	7.995997	8.004283	8.024184	8.006538	8.012145	7.999275	8.000629	8.017037	7.967692	7.975469	7.96374	7.941563	7.977283	7.945936
HIVEP3	cg1643223	-0.06795	7.87043	-4.6779	0.000253	0.001335	-0.1183	8.363268	8.373584	8.371388	8.375308	8.340032	8.339066	8.36407	8.375468	8.382473	8.345076	8.309628	8.304537	8.301131	8.337897	8.311587	8.33395
LSAMP	cg2360189	-0.06793	7.895652	-6.0119	1.82E-05	0.000159	2.560656	8.384769	8.399872	8.394424	8.406642	8.412715	8.375163	8.363001	8.387246	8.3672	8.382085	8.323349	8.339523	8.317844	8.323746	8.319825	8.322748
NR4A1	cg0307199	-0.06791	7.805395	-3.88249	0.001325	0.005077	-1.75472	8.330748	8.318474	8.328774	8.317806	8.321515	8.301127	8.340651	8.330777	8.30662	8.287846	8.255813	8.236994	8.247782	8.278724	8.279581	8.302013
ARHGEF12	cg1281954	-0.06774	7.896175	-4.2995	0.000553	0.002496	-0.9259	8.356068	8.345683	8.37991	8.396775	8.38339	8.35134	8.385939	8.401423	8.405148	8.373432	8.334267	8.344471	8.365325	8.350239	8.33699	8.315023
KLF6	cg1895452	-0.0677	7.688023	-6.258	1.15E-05	0.000109	3.106801	8.248243	8.245446	8.237035	8.234142	8.231547	8.235429	8.226901	8.238272	8.231137	8.233963	8.164511	8.200387	8.173868	8.182155	8.198827	8.185303
PEA15	cg1916120	-0.06767	7.683106	-4.46954	0.000389	0.00189	-0.47864	8.24489	8.200907	8.240875	8.238501	8.226191	8.244459	8.205315	8.24002	8.234888	8.242689	8.190903	8.176041	8.205636	8.16858	8.174906	8.178054
SYNM	cg1676508	-0.06767	7.199221	-5.66961	3.50E-05	0.000265	2.03058	7.916951	7.907205	7.928166	7.908059	7.913723	7.916777	7.905193	7.923505	7.895067	7.920548	7.85692	7.863485	7.867207	7.863992	7.885779	7.867287
CBFA2T3	cg1374534	-0.06766	7.424562	-3.7023	0.001937	0.006913	-2.03459	8.037963	8.029437	8.053888	8.066529	8.072799	8.074984	8.04233	8.059921	8.064466	8.060951	8.04204	8.016655	8.029533	7.992727	7.989187	7.996292
PRKCE	cg2347413	-0.06765	7.737718	-3.75217	0.001744	0.006341	-2.00289	8.279929	8.276728	8.281054	8.269981	8.258424	8.248586	8.281576	8.284244	8.246711	8.267358	8.197974	8.205992	8.201498	8.210936	8.259776	8.250729
RUNX3	cg0516252	-0.06763	7.921851	-6.00003	1.86E-05	0.000162	2.523048	8.425516	8.408132	8.404249	8.386612	8.400799	8.413239	8.403932	8.398976	8.393648	8.398451	8.348812	8.323243	8.347602	8.363775	8.351572	8.354796
TSSC4	cg0480254	-0.06753	7.639477	-6.7604	4.61E-06	5.23E-05	4.055032	8.201824	8.203018	8.200448	8.214218	8.203627	8.204722	8.195426	8.198236	8.187155	8.215493	8.14764	8.151191	8.164926	8.153943	8.149821	8.139848
AHNAK	cg2054472	-0.06751	7.476597	-4.87681	0.000169	0.000963	0.4136	8.100554	8.115173	8.092413	8.075143	8.081312	8.085996	8.091712	8.093674	8.082409	8.09355	8.038746	8.039942	8.018913	8.058895	8.062901	8.044946
TMEFF2	cg1810736	-0.06745	7.355674	-2.90291	0.01039	0.027054	-3.67675	7.984414	7.990744	8.001259	8.020732	8.021073	8.026269	7.997198	7.993181	8.027051	8.039494	7.995549	8.003812	7.987592	7.93947	7.944966	7.943697
NDRG4	cg0401375	-0.06744	7.394448	-7.09899	2.54E-06	3.24E-05	4.704269	8.035617	8.038185	8.027234	8.028598	8.033604	8.038966	8.051774	8.036321	8.036678	8.029676	7.992808	7.992463	7.984493	7.996258	7.990055	8.002602
DAB2IP	cg0176136	-0.0674	7.553485	-5.16008	9.53E-05	0.000609	0.980034	8.135306	8.155112	8.144928	8.162244	8.165103	8.129135	8.130672	8.134538	8.138553	8.150955	8.095024	8.102674	8.098311	8.06968	8.09223	8.09268
MCC	cg2393747	-0.06738	7.888347	-3.99106	0.001054	0.004207	-1.56402	8.366304	8.386212	8.399884	8.362279	8.423809	8.380755	8.375493	8.392561	8.358439	8.359962	8.29695	8.311732	8.338261	8.314338	8.328111	8.340771
NFATC1	cg1810800	-0.06735	7.88251	-4.28505	0.00057	0.002559	-0.94417	8.388527	8.358553	8.361787	8.380163	8.400389	8.362066	8.385522	8.388567	8.376836	8.335601	8.326608	8.320442	8.303466	8.338626	8.312368	8.328458
MTSS1	cg2068640	-0.06734	7.907561	-6.2748	1.12E-05	0.000106	3.057206	8.38077	8.398027	8.393993	8.420243	8.395408	8.389879	8.388324	8.404483	8.376413	8.382717	8.341252	8.327271	8.345167	8.334272	8.338139	8.34111
CBFA2T3	cg1216862	-0.06733	7.798834	-7.3113	1.76E-06	2.41E-05	4.999191	8.317063	8.324171	8.312566	8.318779	8.310997	8.317932	8.315752	8.312986	8.297248	8.315485	8.246951	8.259932	8.264915	8.268653	8.2727	8.254107
TCF4	cg1056261	-0.06725	7.633757	-4.68398	0.00025	0.001323	-0.01846	8.202188	8.183588	8.195279	8.190372	8.189295	8.232518	8.185614	8.196516	8.199729	8.202661	8.142923	8.156237	8.169641	8.145883	8.126667	8.149904
FOXP1	cg0070744	-0.06714	7.737941	-4.67327	0.000255	0.001344	-0.06996	8.289867	8.270696	8.264575	8.261351	8.266086	8.27842	8.247945	8.264218	8.283285	8.278064	8.202769	8.245565	8.229585	8.197231	8.218788	8.225386
PTCH1	cg1078733	-0.067	7.871419	-6.09249	1.57E-05	0.00014	2.726787	8.359405	8.373949	8.385139	8.382556	8.36485	8.389689	8.346743	8.376003	8.361032	8.348975	8.299574	8.312487	8.317164	8.315218	8.307513	8.300056
FLCN	cg1963630	-0.067	7.772812	-3.04844	0.007674	0.021125	-3.47883	8.320027	8.297322	8.29834	8.284133	8.273098	8.273527	8.30202	8.318333	8.29153	8.272919	8.204042	8.244436	8.22117	8.269985	8.245971	8.299666
MTUS1	cg0511328	-0.06698	7.904505	-4.53551	0.000339	0.00169	-0.43029	8.382979	8.433679	8.383755	8.398163	8.361748	8.382805	8.377554	8.382149	8.401129	8.390473	8.331541	8.32652	8.342372	8.348405	8.338632	8.340225
ZMYND11	cg0214248	-0.06694	7.850841	-5.1065	0.000106	0.000664	0.777365	8.353644	8.34582	8.358214	8.361377	8.342036	8.371845	8.33961	8.358664	8.339204	8.34915	8.27985	8.289773	8.326554	8.284919	8.314509	8.288585
NEDD4L	cg1872082	-0.06689	7.870891	-3.82746	0.001488	0.005553	-1.90258	8.379801	8.372915	8.378304	8.336788	8.356374	8.368949	8.379485	8.367417	8.376233	8.332156	8.304405	8.299564	8.282898	8.321069	8.340195	8.337621
NR4A3	cg1234850	-0.06689	7.934005	-4.99299	0.000133	0.000793	0.507368	8.432044	8.411714	8.431518	8.413551	8.409056	8.452271	8.411113	8.392215	8.385357	8.417351	8.359356	8.362651	8.332739	8.343291	8.362383	8.34892
NFATC1	cg2655033	-0.06687	7.714287	-3.97584	0.001089	0.00432	-1.52498	8.258699	8.265328	8.263045	8.24028	8.235701	8.239224	8.260964	8.269713	8.259645	8.228004	8.195454	8.179018	8.185411	8.2246	8.234608	8.219633
HOMER2	cg0540192	-0.06686	7.926778	-5.94987	2.05E-05	0.000174	2.421383	8.40552	8.406703	8.391661	8.407437	8.417752	8.391334	8.414864	8.41781	8.413155	8.378161	8.354283	8.35062	8.348941	8.35908	8.358357	8.364656
BCL6B	cg1013783	-0.06683	7.889958	-6.54934	6.74E-06	7.07E-05	3.580362	8.366327	8.367215	8.379599	8.387265	8.381028	8.384405	8.376008	8.372574	8.379749	8.385817	8.337916	8.345896	8.33335	8.313645	8.319923	8.322762
NGFR	cg1603311	-0.06682	7.830257	-5.64923	3.64E-05	0.000274	1.881266	8.349036	8.349646	8.350109	8.367463	8.345417	8.342829	8.327824	8.33846	8.307753	8.329226	8.263058	8.289668	8.265685	8.280965	8.2655	8.29621
CUX1	cg0859685	-0.06681	7.751481	-6.53021	6.98E-06	7.21E-05	3.601089	8.288787	8.280462	8.272525	8.279238	8.282189	8.287721	8.27527	8.271937	8.268302	8.294421	8.216441	8.239463	8.241888	8.225313	8.227475	8.224052
PAX6	cg2693243	-0.0668	7.421684	-5.51545	4.73E-05	0.000337	1.714105	8.073943	8.051548	8.059049	8.058035	8.044046	8.049691	8.057755	8.058301	8.039847	8.057921	7.997704	7.995254	8.003202	8.020308	8.006868	8.025637
NOTCH1	cg0315235	-0.06679	7.855615	-5.8561	2.45E-05	0.000201	2.274872	8.347157	8.367422	8.364557	8.362004	8.368473	8.363424	8.359989	8.353185	8.358354	8.32095	8.297383	8.30211	8.287515	8.304504	8.311669	8.289876
VPS53	cg1112825	-0.06672	7.882215	-7.1719	2.24E-06	2.93E-05	4.717596	8.37072	8.376837	8.366548	8.365557	8.372492	8.376066	8.381452	8.361975	8.383042	8.366634	8.313655	8.326617	8.334002	8.318009	8.315996	8.334408
CDKN1A	cg2357527	-0.06666	7.88972	-5.93977	2.09E-05	0.000177	2.421051	8.376487	8.386833	8.375865	8.384227	8.389772	8.381744	8.36425	8.397987	8.372072	8.366849	8.308403	8.337294	8.328319	8.311887	8.338222	8.330791
TCF4	cg1153181	-0.06659	7.757546	-3.27449	0.004776	0.014477	-3.01055	8.296274	8.259076	8.276771	8.280772	8.259684	8.266126	8.311363	8.299742	8.272435	8.274509	8.241075	8.240483	8.196471	8.252015	8.224967	8.292326
PTPN1	cg0235033	-0.06656	7.822854	-3.19769	0.005613	0.01645	-3.19276	8.354373	8.332194	8.34992	8.314009	8.334859	8.3277	8.362216	8.334945	8.291557	8.317074	8.24903	8.256194	8.250492	8.304142	8.302868	8.302864
NDRG4	cg2205174	-0.06648	7.225636	-3.13723	0.006373	0.01823	-3.19503	7.926826	7.945202	7.958381	7.928333	7.936661	7.884765	7.937064	7.910569	7.944871	7.919894	7.880652	7.890188	7.858001	7.882868	7.879866	7.918147
BTG3	cg0262911	-0.06638	7.864947	-3.41551	0.003549	0.011321	-2.76616	8.371087	8.324525	8.34626	8.366086	8.361142	8.35684	8.382062	8.329655	8.33829	8.404049	8.318333	8.319357	8.342845	8.304016	8.298483	8.302731
ZHX2	cg1891801	-0.06638	7.821404	-4.0451	0.000941	0.00384	-1.42021	8.339526	8.339412	8.342975	8.294364	8.330958	8.321333	8.340856	8.333054	8.330642	8.311791	8.265925	8.263441	8.256364	8.306949	8.285869	8.303696
THRA	cg1191259	-0.06638	7.8733	-4.00348	0.001027	0.004124	-1.53377	8.371831	8.388026	8.373157	8.362224	8.33886	8.350694	8.374712	8.365485	8.365341	8.363118	8.29532	8.300929	8.309942	8.307902	8.331495	8.36268
FHL1	cg0237876	-0.06634	7.916678	-5.14669	9.79E-05	0.000623	0.821968	8.395367	8.381211	8.37732	8.392931	8.363044	8.398348	8.407842	8.410817	8.416484	8.385696	8.34565	8.334656	8.378317	8.353395	8.356887	8.364823
ADARB1	cg2366213	-0.06632	7.304329	-4.18973	0.000695	0.003003	-0.99985	7.969406	7.965146	7.987171	7.974411	7.984335	7.982664	7.988339	7.987602	7.968125	7.972455	7.909751	7.944751	7.944076	7.967099	7.932016	7.914209
IRF1	cg2638228	-0.0663	7.829833	-4.80007	0.000197	0.00109	0.157119	8.351836	8.345812	8.341093	8.3329	8.333927	8.329514	8.350797	8.335864	8.329665	8.311863	8.26836	8.275383	8.260392	8.300246	8.285906	8.309788
LHX6	cg2415235	-0.06629	7.837277	-7.80482	7.70E-07	1.26E-05	5.833585	8.3357	8.338819	8.342278	8.334277	8.331481	8.329445	8.347795	8.332194	8.350974	8.340516	8.289372	8.289538	8.297482	8.303549	8.285347	8.298936
NFATC1	cg1645208	-0.06626	7.37171	-3.8251	0.001495	0.005575	-1.77216	8.022077	8.014258	8.021246	8.027646	7.984122	7.978404	8.035407	8.017433	8.04904	8.018311	7.988436	7.968573	7.977396	7.982508	7.985245	8.010424
DOK1	cg1450143	-0.06619	7.623823	-4.87024	0.000171	0.000974	0.369146	8.203173	8.205746	8.196997	8.187599	8.172463	8.180414	8.189508	8.197075	8.185427	8.185734	8.134278	8.142314	8.112219	8.155651	8.153569	8.157914
RARB	cg1345544	-0.06617	7.830699	-4.49772	0.000367	0.001802	-0.47613	8.331794	8.335972	8.343216	8.300188	8.308956	8.34397	8.331891	8.351186	8.35541	8.321941	8.277124	8.282859	8.282173	8.290026	8.313527	8.302585
PLXNC1	cg1193649	-0.06616	7.647804	-5.0639	0.000116	0.000709	0.759	8.205235	8.187136	8.204553	8.19564	8.22521	8.193489	8.196656	8.221349	8.191284	8.228308	8.169458	8.158546	8.16638	8.149894	8.169382	8.16027
PAFAH1B1	cg2599401	-0.06615	7.95802	-3.81624	0.001523	0.005662	-1.97269	8.440533	8.420841	8.427685	8.446471	8.377734	8.430909	8.400061	8.447054	8.447082	8.425681	8.35649	8.387488	8.393026	8.383344	8.376831	8.384009
MYH9	cg0181677	-0.06611	7.337897	-5.61668	3.88E-05	0.000287	1.922195	8.000802	8.016136	7.980139	8.012857	8.004159	8.017705	7.994103	8.008449	7.991574	7.992183	7.954673	7.959458	7.950634	7.949224	7.954709	7.946687
TRIM3	cg0614005	-0.06611	7.507383	-3.99421	0.001047	0.004185	-1.43181	8.123989	8.130847	8.117774	8.098307	8.140704	8.125307	8.093902	8.116632	8.115587	8.09006	8.054809	8.051465	8.060158	8.098414	8.045368	8.040739
MYH9	cg1719421	-0.0661	7.905433	-5.39418	5.99E-05	0.000413	1.329113	8.392005	8.382099	8.382693	8.369163	8.371619	8.368752	8.400805	8.388295	8.390697	8.40492	8.344411	8.344996	8.330823	8.378429	8.32817	8.354441

LSAMP	cg0620703	-0.06605	7.597683	-6.14916	1.41E-05	0.000129	2.921133	8.191105	8.165587	8.166901	8.174111	8.172679	8.166774	8.18439	8.172964	8.170208	8.159053	8.121562	8.116397	8.117809	8.128349	8.127482	8.139443
CAPG	cg1416803	-0.06603	7.751964	-3.60052	0.002401	0.008247	-2.32518	8.291921	8.29488	8.29995	8.263331	8.28765	8.270525	8.293291	8.283046	8.249442	8.278241	8.190794	8.224545	8.210259	8.228922	8.257774	8.257083
ST7	cg2206435	-0.066	7.900968	-4.01212	0.001009	0.004062	-1.53291	8.386147	8.388337	8.373491	8.370965	8.380523	8.344885	8.35097	8.40261	8.414311	8.405032	8.337459	8.353251	8.349206	8.32134	8.355178	8.347224
CDO1	cg2137767	-0.06597	7.600297	-6.81697	4.17E-06	4.85E-05	4.166887	8.171887	8.174968	8.186922	8.163905	8.176345	8.172669	8.158918	8.179235	8.179677	8.176271	8.127454	8.125255	8.125335	8.135341	8.11816	8.130837
TP53INP1	cg0932372	-0.06596	7.731719	-3.08332	0.007134	0.019951	-3.39045	8.272834	8.281392	8.280595	8.241109	8.267227	8.267989	8.274092	8.279035	8.255718	8.24262	8.187197	8.196972	8.203152	8.205944	8.216237	8.28274
WIF1	cg2009847	-0.06595	7.855968	-6.12789	1.47E-05	0.000133	2.796966	8.369764	8.343118	8.336954	8.354617	8.347556	8.331713	8.360681	8.359073	8.346658	8.361846	8.303601	8.308505	8.298493	8.306611	8.308362	8.324332
EDA2R	cg2632861	-0.06588	7.409454	-4.14742	0.00076	0.003233	-1.09787	8.05592	8.038102	8.057158	8.027735	8.03001	8.022974	8.062405	8.054783	8.040576	8.045183	7.99142	8.005591	7.977336	8.018687	8.032947	8.01069
CD82	cg1552417	-0.06586	7.346157	-4.79664	0.000198	0.001096	0.262238	8.006663	7.990559	8.01366	8.024199	8.006672	7.974785	8.005679	8.015151	7.999763	8.00547	7.953712	7.962994	7.958622	7.958088	7.980814	7.960892
CBFA2T3	cg0884324	-0.06586	7.590401	-5.85269	2.46E-05	0.000202	2.350704	8.171453	8.177843	8.161103	8.166508	8.176394	8.164428	8.14906	8.174519	8.168746	8.169941	8.117758	8.106944	8.137269	8.116419	8.109022	8.128426
CBL	cg2347829	-0.06582	7.589812	-3.03339	0.007919	0.02166	-3.45205	8.18572	8.163009	8.184483	8.162424	8.136808	8.153991	8.171749	8.183715	8.172843	8.144052	8.108402	8.098311	8.098015	8.169584	8.15475	8.102279
ARNTL	cg0756801	-0.06582	7.737714	-5.05954	0.000117	0.000713	0.725472	8.27844	8.278912	8.267741	8.270134	8.263725	8.23756	8.262761	8.270464	8.286709	8.26409	8.227263	8.221513	8.200938	8.227111	8.224654	8.238858
ZFHX3	cg1470768	-0.0658	7.746745	-6.64246	5.70E-06	6.18E-05	3.811047	8.279016	8.276955	8.284505	8.268812	8.278951	8.285873	8.257165	8.275197	8.285255	8.275984	8.240636	8.226467	8.220782	8.225305	8.21607	8.225297
RTN4	cg2599657	-0.06575	7.895837	-3.7071	0.001918	0.006856	-2.1721	8.386515	8.384217	8.387146	8.346509	8.383378	8.349672	8.397134	8.382404	8.355194	8.416588	8.325392	8.316278	8.331331	8.343761	8.367824	8.348315
EPB41L3	cg0002708	-0.06575	7.536933	-3.67243	0.002063	0.007275	-2.11355	8.167543	8.113602	8.169451	8.152385	8.123606	8.127285	8.122537	8.106954	8.13126	8.135177	8.057813	8.065471	8.098736	8.090249	8.086837	8.071102
CBFA2T3	cg0909682	-0.06573	7.692271	-4.43922	0.000414	0.00199	-0.54485	8.24123	8.25114	8.248944	8.224945	8.231228	8.221763	8.237	8.249559	8.226683	8.237789	8.160073	8.188277	8.179239	8.198629	8.223128	8.194635
SOD2	cg2167187	-0.06569	7.889938	-5.68571	3.40E-05	0.000259	1.921451	8.37315	8.365676	8.382409	8.390847	8.402303	8.353496	8.381846	8.378007	8.38269	8.368751	8.331711	8.331452	8.332991	8.323417	8.322675	8.331869
SIRT2	cg0200442	-0.06563	7.558897	-6.16081	1.38E-05	0.000127	2.951384	8.150655	8.133406	8.126929	8.157677	8.148114	8.135482	8.159089	8.150576	8.136927	8.144469	8.102248	8.099925	8.104806	8.097723	8.098655	8.107998
MYH9	cg0549977	-0.0656	7.287637	-5.85967	2.43E-05	0.000201	2.401469	7.947856	7.973265	7.963176	7.972001	7.979593	7.97087	7.97174	7.965358	7.957317	7.97559	7.93148	7.929117	7.927641	7.924741	7.918447	7.914115
MLH1	cg1540899	-0.06554	7.900473	-4.19399	0.000689	0.002983	-1.14933	8.382696	8.397906	8.375628	8.350112	8.361875	8.372757	8.385743	8.405271	8.411643	8.368336	8.321638	8.32911	8.338886	8.34503	8.370391	8.358063
PPP2R5C	cg1845348	-0.06549	7.826189	-5.14861	9.75E-05	0.000622	0.874271	8.359517	8.331459	8.34166	8.336805	8.316768	8.330238	8.329685	8.315684	8.332922	8.339213	8.293035	8.273564	8.265931	8.271054	8.28139	8.302716
SIRT2	cg2418856	-0.06546	7.696549	-6.51799	7.14E-06	7.33E-05	3.592155	8.240875	8.225634	8.241012	8.246236	8.226172	8.224113	8.235431	8.248064	8.249219	8.243025	8.210029	8.182732	8.195556	8.194285	8.200058	8.198813
AXIN2	cg2574813	-0.06546	7.684748	-5.70999	3.24E-05	0.00025	2.046866	8.237811	8.242093	8.231679	8.222866	8.224296	8.231253	8.209025	8.241133	8.225327	8.253344	8.184004	8.184879	8.184546	8.178164	8.187606	8.192592
SYNM	cg2160209	-0.06545	7.888068	-6.49458	7.45E-06	7.59E-05	3.47889	8.368549	8.388843	8.369481	8.371087	8.372267	8.382117	8.388764	8.366766	8.371912	8.380946	8.31259	8.342716	8.328273	8.335904	8.331548	8.319787
ZBTB7C	cg0330972	-0.06544	7.434563	-3.80112	0.001573	0.005819	-1.82925	8.056924	8.047001	8.057376	8.003197	8.055491	8.081279	8.066312	8.063737	8.080214	8.069915	8.01942	8.027198	8.021345	8.044753	8.020065	8.01952
CBFA2T3	cg0552105	-0.0654	7.812301	-4.48084	0.00038	0.001855	-0.50056	8.337832	8.329457	8.326403	8.313714	8.318052	8.302048	8.337035	8.329559	8.310775	8.311998	8.264883	8.256808	8.248151	8.295861	8.287101	8.293623
MYH9	cg1609239	-0.06539	7.633578	-5.21618	8.52E-05	0.000554	1.072056	8.194502	8.184401	8.205526	8.179704	8.1779	8.19415	8.217696	8.173018	8.203899	8.20903	8.160659	8.150146	8.14857	8.146555	8.159813	8.160919
RASL11A	cg0661174	-0.06538	7.036452	-5.42344	5.66E-05	0.000392	1.50907	7.809312	7.823541	7.807092	7.792105	7.813801	7.812447	7.80182	7.828603	7.81498	7.816142	7.762327	7.771239	7.780661	7.781979	7.783546	7.768644
NDRG4	cg0562268	-0.06536	7.629057	-5.24208	8.10E-05	0.000531	1.127238	8.19814	8.193412	8.206611	8.190405	8.181885	8.198733	8.203846	8.193707	8.186841	8.185877	8.135818	8.13242	8.144313	8.135642	8.176979	8.152638
CUX1	cg1188388	-0.06526	7.897125	-6.75408	4.67E-06	5.26E-05	3.959671	8.390382	8.385815	8.392115	8.404267	8.406979	8.394466	8.382215	8.379357	8.374613	8.365306	8.327087	8.324334	8.33802	8.339088	8.312372	8.320555
PDSS2	cg1078763	-0.06526	7.705729	-5.21913	8.48E-05	0.000551	1.060457	8.239328	8.246645	8.246991	8.254842	8.248276	8.247358	8.227445	8.243283	8.263986	8.24999	8.191779	8.214493	8.220197	8.198903	8.185622	8.184637
PTPN6	cg1431155	-0.06525	7.785808	-5.11001	0.000105	0.00066	0.812167	8.300641	8.316287	8.303947	8.294229	8.301829	8.317703	8.304908	8.31388	8.293357	8.293247	8.256072	8.249939	8.235381	8.282325	8.264008	8.234938
MAL	cg0722491	-0.06518	7.224487	-3.61872	0.002311	0.007975	-2.19641	7.901082	7.915894	7.904173	7.923247	7.926305	7.936194	7.915719	7.929164	7.949777	7.940393	7.906634	7.90897	7.909445	7.856444	7.882653	7.883964
GPX3	cg1662730	-0.06509	7.894982	-4.7418	0.000222	0.001202	0.004863	8.387372	8.385214	8.379326	8.408317	8.398839	8.35511	8.377924	8.395025	8.362992	8.379251	8.328197	8.336963	8.315806	8.329877	8.321457	8.350231
NDRG4	cg2666827	-0.06508	7.687977	-4.42543	0.000426	0.002034	-0.57199	8.257233	8.232068	8.24827	8.235779	8.204677	8.241888	8.244145	8.231571	8.229186	8.225665	8.181171	8.167185	8.170884	8.188514	8.199174	8.209336
RPS6KA2	cg1286625	-0.06506	7.380921	-3.04046	0.007803	0.021428	-3.40089	8.015877	8.015489	8.015749	8.068892	8.053026	8.025885	8.02071	8.01385	8.013888	8.049173	8.009192	8.003932	7.987777	7.947489	7.967269	7.96861
NFATC1	cg1276162	-0.06506	7.702646	-4.91544	0.000156	0.000901	0.440599	8.254744	8.247145	8.258772	8.227783	8.225077	8.241678	8.248732	8.239146	8.250421	8.243548	8.193242	8.197997	8.17477	8.217649	8.191363	8.217298
DCUN1D3	cg0935644	-0.06503	7.958493	-6.40058	8.84E-06	8.76E-05	3.270025	8.427	8.435176	8.432606	8.400003	8.436664	8.434534	8.420463	8.427501	8.438951	8.424233	8.382833	8.37426	8.375489	8.372733	8.385224	8.382686
FAS	cg0327318	-0.06492	7.838515	-3.67543	0.00205	0.007245	-2.20624	8.353398	8.363132	8.33971	8.341337	8.336541	8.318826	8.351554	8.35538	8.342759	8.308983	8.280299	8.275514	8.260195	8.321239	8.297705	8.316118
NR2C2	cg0099313	-0.06492	7.865356	-6.20109	1.28E-05	0.000119	2.935261	8.365094	8.370918	8.354352	8.373095	8.344619	8.365131	8.365953	8.35886	8.364558	8.34464	8.305668	8.307837	8.306347	8.325039	8.319889	8.297978
PPP2CB	cg1587513	-0.06487	7.786605	-2.92964	0.009829	0.025851	-3.72211	8.310318	8.321509	8.325913	8.328033	8.291783	8.290909	8.324074	8.312197	8.31097	8.248172	8.233294	8.244812	8.211876	8.286107	8.260302	8.272602
CYLD	cg2237446	-0.06485	7.807303	-3.95733	0.001132	0.004456	-1.59723	8.317522	8.341321	8.336161	8.29518	8.331974	8.313694	8.326249	8.327109	8.292241	8.316728	8.254678	8.247957	8.250911	8.300977	8.282158	8.271961
MTSS1	cg1889312	-0.06484	7.757806	-3.8352	0.001464	0.005484	-1.83561	8.296559	8.295023	8.291991	8.28761	8.276755	8.248272	8.287267	8.269156	8.296243	8.280519	8.2524	8.214039	8.217125	8.239433	8.2235	8.271006
PCDH9	cg0328312	-0.06483	7.892896	-3.67389	0.002057	0.007262	-2.24087	8.34807	8.380349	8.350139	8.393464	8.377074	8.366868	8.411126	8.378456	8.411326	8.343846	8.351456	8.335002	8.339584	8.31904	8.335577	8.346258
NDRG2	cg1525000	-0.06473	7.569718	-4.15512	0.000747	0.003188	-1.10838	8.152796	8.143952	8.168926	8.144951	8.136537	8.149029	8.160527	8.163813	8.149572	8.145063	8.08271	8.085694	8.128842	8.113338	8.13953	8.106528
CAMK2N1	cg1673082	-0.06472	7.82888	-5.36349	6.37E-05	0.000435	1.307352	8.326535	8.343986	8.340053	8.316024	8.355185	8.329538	8.340559	8.317958	8.342096	8.329975	8.292514	8.273294	8.293268	8.284992	8.29651	8.269668
PIN1	cg0649310	-0.06467	7.869265	-4.63302	0.000277	0.001437	-0.21166	8.361756	8.371492	8.362195	8.352584	8.361058	8.333302	8.370257	8.367259	8.371555	8.3549	8.303991	8.316279	8.303706	8.299351	8.335543	8.349672
ADARB1	cg0834273	-0.06462	7.854316	-6.679	5.34E-06	5.85E-05	3.835455	8.349832	8.348124	8.343404	8.336218	8.357978	8.344094	8.36155	8.364761	8.349633	8.344019	8.30191	8.311618	8.289809	8.31345	8.31687	8.309586
WFDC1	cg2386569	-0.06461	7.708438	-5.13765	9.97E-05	0.000633	0.894118	8.25425	8.260883	8.234905	8.253976	8.223681	8.264335	8.251278	8.254719	8.255474	8.23086	8.197987	8.18949	8.203654	8.212678	8.196015	8.209681
JDP2	cg2214335	-0.06461	7.832192	-3.57639	0.002527	0.008606	-2.41307	8.349983	8.322	8.31764	8.312753	8.357458	8.329024	8.336163	8.325313	8.350796	8.342309	8.295311	8.271789	8.328307	8.26667	8.268546	8.316235
NNAT	cg1117484	-0.06446	7.944208	-5.30445	7.16E-05	0.000477	1.127159	8.378051	8.388394	8.398981	8.395101	8.409084	8.426588	8.431944	8.431683	8.421715	8.425766	8.378663	8.383372	8.401538	8.37199	8.367838	8.372507
KLF4	cg1094115	-0.06445	7.287515	-5.15458	9.64E-05	0.000616	0.998648	7.964602	7.956448	7.953268	7.971859	7.97481	7.960635	7.959981	7.968785	7.975695	7.973354	7.92483	7.927555	7.953104	7.914881	7.918376	7.922792
MME	cg2327389	-0.06442	7.698283	-4.99609	0.000132	0.000789	0.607205	8.230058	8.234357	8.22307	8.260517	8.253856	8.227308	8.233419	8.251193	8.243264	8.243836	8.205516	8.195208	8.216175	8.194117	8.189179	8.179727
SIRT2	cg1456650	-0.06432	7.885025	-8.09295	4.82E-07	8.79E-06	6.297803	8.376221	8.365521	8.372073	8.380168	8.368315	8.378753	8.375713	8.374556	8.377614	8.368899	8.326305	8.33333	8.325244	8.314532	8.330695	8.328377
LHX6	cg2554204	-0.06431	7.720315	-5.44018	5.48E-05	0.000382	1.501989	8.25887	8.266223	8.261219	8.251011	8.239836	8.271731	8.252676	8.252107	8.237726	8.27982	8.208137	8.206641	8.204483	8.220528	8.205753	8.209537
ZBTB7C	cg0574698	-0.06429	7.086215	-2.62635	0.018348	0.042816	-4.23098	7.862003	7.847503	7.85906	7.813415	7.837252	7.827553	7.865925	7.85782	7.831336	7.820135	7.772452	7.782629	7.776017	7.826695	7.82509	7.837679
ITGA5	cg0660337	-0.06417	7.400128	-6.45587	7.99E-06	8.06E-05	3.530706	8.027637	8.040565	8.038656	8.021223	8.039727	8.023087	8.04694	8.036406	8.046721	8.047537	7.993792	8.003544	7.999633	8.012636	7.996882	7.999076
TCF7L2	cg2573422	-0.06411	7.934443	-4.39363	0.000455	0.002144	-0.74065	8.408605	8.431489	8.40737	8.383706	8.444696	8.430135	8.396841	8.416527	8.397578	8.409854	8.372341	8.343481	8.3589	8.341394	8.363039	8.364201
MCPH1	cg2560435	-0.06408	7.799474	-5.0643	0.000115	0.000708	0.713681	8.314589	8.314944	8.327147	8.289273	8.345097	8.304997	8.318633	8.309044	8.305509	8.307909	8.260291	8.255402	8.258921	8.26715	8.262207	8.276456
VPS53	cg0476045	-0.06404	7.836718	-3.73805	0.001796	0.006494	-2.07746	8.330634	8.343138	8.360334	8.312878	8.306758	8.318529	8.339546	8.349843	8.328037	8.363738	8.292441	8.294103	8.259414	8.315356	8.312744	8.314206
CUX1	cg0176360	-0.06403	7.672319	-3.87337	0.001351	0.005151	-1.72768	8.202369	8.226993	8.216608	8.226675	8.240329	8.249071	8.211458	8.211798	8.235716	8.223321	8.181671	8.208747	8.185537	8.16265	8.154273	8.156459
TUSC1	cg1669857	-0.06402	7.896695	-4.23998	0.000626	0.002762	-1.04879	8.370237	8.349121	8.405499	8.397145	8.388772	8.346016	8.402177	8.378922	8.374864	8.388395	8.337662	8.334654	8.337193	8.331014	8.345914	8.343803
CUX1	cg2348085	-0.06402	7.772791	-4.34252	0.000506	0.002318	-0.77295	8.306437	8.310953	8.297153	8.302521	8.280861	8.283766	8.292512	8.29127	8.274033	8.307572	8.245093	8.24529	8.218513	8.24407	8.235846	8.279846
CDH5	cg0887274	-0.064	7.314158	-4.01125	0.001011	0.004066	-1.37554	7.96873	7.969701	7.97268	7.987006	7.990188	7.993419	7.97992	7.97312	7.991511	8.001203	7.962751	7.964038	7.951039	7.92785	7.916215	7.941861
CYGB	cg2388834	-0.06397	7.422387	-5.18696	9.04E-05	0.000582	1.05372	8.040132	8.035031	8.050529	8.053498	8.071645	8.045018	8.045319	8.070866	8.05385	8.058524	8.018117	8.026202	8.015523	8.006612	8.013929	8.001309
ZFHX3	cg1312167	-0.06395	7.751799	-5.3247	6.87E-05	0.000463	1.261894	8.287663	8.298143	8.285016	8.273582	8.287686	8.307302	8.281839	8.279295	8.264276	8.261791	8.220672	8.219944	8.219576	8.211536	8.232904	8.248369
NCOA4	cg0935453	-0.06391	7.763054	-5.17626	9.23E-05	0.000593	0.95435	8.288456	8.279926	8.296524	8.263392	8.296553	8.27516	8.291361	8.274041	8.29768	8.290699	8.236177	8.258699	8.226496	8.24167	8.256441	8.232205
ALPL	cg2430734	-0.06383	7.328182	-5.78789	2.79E-05	0.000224	2.259374	7.996458	7.991573	7.994215	7.989925	7.999157	7.999272	7.990385	7.982185	8.009607	7.985166	7.963017	7.938498	7.958561	7.943428	7.948586	7.943862
MAP3K4	cg1011536	-0.06379	7.941458	-3.64357	0.002193	0.007659	-2.32699	8.419782	8.42243	8.438305	8.380486	8.406711	8.408985	8.418922	8.405874	8.444747	8.395405	8.360127	8.366213	8.343415	8.3815	8.355708	8.403126
PAX6	cg0459877	-0.06379	7.838543	-4.96028	0.000142	0.000837	0.481299	8.345084	8.345938	8.32973	8.363938	8.322173	8.320196	8.336313	8.350214	8.338175	8.342276	8.274894	8.305707	8.29309	8.284313	8.307821	8.302568
LSAMP	cg2463073	-0.06377	7.732238	-5.98432	1.92E-05	0.000166	2.569595	8.257718	8.246546	8.261045	8.269971	8.274228	8.270272	8.267353	8.272615	8.261572	8.260941	8.216899	8.227066	8.229635	8.200063	8.225663	8.217812
MT1M	cg0558170	-0.06373	7.956715	-3.2827	0.004695	0.01426	-3.09073	8.418664	8.440283	8.419521	8.430015	8.386829	8.410594	8.429234	8.461473	8.403671	8.430426	8.367418	8.360655	8.366235	8.382323	8.436033	8.386592
SEMA3F	cg2646869	-0.06373	7.475611	-4.22742	0.000643	0.002822	-0.93835	8.057036	8.077614	8.079499	8.099616	8.085095	8.103018	8.083044	8.09765	8.09182	8.098145	8.058772	8.063999	8.063107	8.026299	8.033894	8.047008
TP53BP2	cg1424759	-0.06373	7.855809	-2.96489	0.009134	0.024391	-3.68456	8.312677	8.398323	8.328677	8.394758	8.343274	8.369732	8.355714	8.368157	8.352964	8.32173	8.300171	8.313953	8.302517	8.284527	8.298518	8.315649
FAM188A	cg2631117	-0.06368	7.890939	-3.09208	0.007005	0.019655	-3.44387	8.393996	8.378906	8.367219	8.363116	8.404334	8.397815	8.407693	8.35538	8.323762	8.411276	8.335804	8.331549	8.31345	8.343	8.315113	8.323413
DLG1	cg0094218	-0.06362	7.941262	-3.9624	0.00112	0.004422	-1.65351	8.452764	8.395746	8.409159	8.408053	8.404979	8.438384	8.396553	8.403268	8.408284	8.442649	8.361441	8.374672	8.382197	8.354579	8.355301	8.361514
RASSF1	cg0281700	-0.06353	7.849762	-4.18629	0.0007	0.003022	-1.1349	8.361803	8.360765	8.360767	8.345643	8.358855	8.330376	8.344189	8.359617	8.344844	8.333067	8.291426	8.301872	8.263603	8.288755	8.318187	8.327604
TSPAN32	cg1815993	-0.06352	7.479662	-2.88035	0.010888	0.028107	-3.73638	8.064979	8.109675	8.072848	8.10416	8.098303	8.110351	8.081356	8.067635	8.108389	8.107041	8.080122	8.04631	8.080495	8.041625	8.025038	8.011214
IFT88	cg0157690	-0.06349	7.870301	-3.76426	0.0017	0.006207	-2.03777	8.372988	8.326461	8.370111	8.380872	8.36466	8.328208	8.338323	8.374779	8.384874	8.368666	8.335101	8.328061	8.31889	8.310858	8.322426	8.301729
USP33	cg0407268	-0.06344	7.080124	-5.61378	3.90E-05	0.000289	1.904239	7.823475	7.843666	7.84707	7.837833	7.85336	7.828239	7.841035	7.848753	7.833526	7.832184	7.795708	7.792647	7.799233	7.807143	7.793051	7.806028
ATF3	cg0582365	-0.06343	7.523044	-5.90049	2.25E-05	0.000188	2.457457	8.123048	8.111295	8.118882	8.120769	8.128244	8.131215	8.114159	8.113566	8.121307	8.131217	8.076469	8.087316	8.089733	8.066219	8.066582	8.069913
CBFA2T3	cg1029649	-0.06337	7.579903	-3.54097	0.002723	0.009147	-2.40135	8.143672	8.158694	8.132435	8.162696	8.173222	8.161284	8.162901	8.145574	8.179562	8.158808	8.137673	8.153484	8.105669	8.08646	8.106534	8.113563
SALL2	cg1121965	-0.06337	7.686217	-3.38707	0.003768	0.011872	-2.75277	8.238366	8.237725	8.244382	8.189709	8.241161	8.199803	8.227268	8.254773	8.220243	8.245282	8.177953	8.174267	8.169902	8.218378	8.199957	8.208026
PRDM11	cg1162666	-0.06337	7.840608	-5.05894	0.000117	0.000713	0.685453	8.346929	8.347218	8.338064	8.354307	8.364153	8.341736	8.3516	8.32798	8.332893	8.337148	8.316795	8.278899	8.285485	8.269667	8.3051	8.288496
STK10	cg1753437	-0.06336	7.758384	-3.12421	0.006549	0.018636	-3.31639	8.291701	8.31441	8.29634	8.242358	8.285611	8.295645	8.299748	8.282015	8.256801	8.282928	8.202548	8.215863	8.221998	8.260144	8.241912	8.263878
AKT1	cg2182283	-0.06332	7.395682	-5.73692	3.08E-05	0.000241	2.154618	8.035057	8.036937	8.047987	8.038236	8.042721	8.059598	8.021496	8.038818	8.038676	8.030867	7.998784	7.990754	7.993951	7.986042	7.973679	7.995066
LHX6	cg1447674	-0.0633	7.956421	-4.99901	0.000132	0.000786	0.502737	8.404866	8.441095	8.433718	8.422973	8.418303	8.409287	8.421971	8.421714	8.454687	8.414383	8.380429	8.386297	8.372714	8.373666	8.371924	8.398063
SPRY4	cg2402905	-0.06328	7.701946	-5.22475	8.38E-05	0.000547	1.072805	8.248877	8.22773	8.257272	8.241039	8.243533	8.243796	8.250073	8.243084	8.221332	8.258462	8.176572	8.201691	8.204022	8.204559	8.195585	8.203912
RPS6KA2	cg0213548	-0.06324	7.78433	-5.39184	6.02E-05	0.000414	1.383903	8.301665	8.297674	8.322674	8.30559	8.318247	8.292336	8.294742	8.282951	8.306721	8.309462	8.25919	8.247584	8.265574	8.25088	8.256326	8.234344
SMARCA2	cg0055033	-0.06323	7.879666	-6.25458	1.16E-05	0.00011	3.028965	8.375857	8.381238	8.367677	8.364969	8.351593	8.354397	8.37084	8.360595	8.377257	8.379605	8.325961	8.321601	8.313589	8.33606	8.332797	8.320401
LATS1	cg2740997	-0.06309	7.893224	-3.24326	0.005101	0.015251	-3.13763	8.395684	8.402551	8.366151	8.376907	8.351875	8.359452	8.383058	8.38822	8.380866	8.376104	8.327003	8.318316	8.313923	8.324357	8.39815	8.329065
SPARCL1	cg1555224	-0.06309	7.843161	-3.55338	0.002653	0.008958	-2.46442	8.307444	8.348496	8.342333	8.373074	8.345526	8.358462	8.325636	8.385616	8.333379	8.323409	8.303464	8.291425	8.302462	8.295417	8.283156	8.296531
CHD5	cg0966777	-0.06308	7.992542	-5.66498	3.53E-05	0.000268	1.830218	8.442819	8.46946	8.432622	8.447897	8.455114	8.45445	8.464232	8.44265	8.434892	8.471971	8.406401	8.410566	8.406395	8.400987	8.408557	8.401029
TET2	cg1054158	-0.06308	6.995164	-2.9448	0.009524	0.025228	-3.65183	7.786432	7.800102	7.768879	7.798868	7.763263	7.795124	7.817571	7.775168	7.775573	7.792562	7.769879	7.737544	7.735569	7.792172	7.738253	7.734867
FLNA	cg0675884	-0.06308	7.317554	-5.89695	2.27E-05	0.000189	2.472207	7.975451	7.979841	7.989478	7.979004	7.981224	7.975658	7.974791	8.010476	7.991476	7.981927	7.942737	7.94515	7.944495	7.950071	7.951491	7.951913
FHL1	cg0477833	-0.06306	7.917272	-4.92124	0.000154	0.000894	0.364632	8.418084	8.388052	8.394256	8.418604	8.401804	8.383742	8.371625	8.399526	8.398404	8.409773	8.352139	8.349474	8.363128	8.348785	8.334706	8.337961
LRIG1	cg2669131	-0.06302	7.590817	-4.45605	0.000399	0.001933	-0.48054	8.190103	8.184773	8.16309	8.191379	8.175721	8.153746	8.167362	8.162419	8.148666	8.164638	8.103564	8.116822	8.112376	8.097617	8.1392	8.129437
TP53BP2	cg1016596	-0.06299	7.784881	-3.34251	0.004139	0.012847	-2.88063	8.303987	8.310989	8.31409	8.277278	8.26131	8.280889	8.302112	8.31375	8.312478	8.303613	8.238003	8.242931	8.247676	8.309266	8.280697	8.253174
IQGAP2	cg0180643	-0.06297	7.772694	-3.4365	0.003395	0.010949	-2.67851	8.317648	8.302918	8.293613	8.266202	8.244149	8.310564	8.289503	8.297709	8.306186	8.288583	8.238637	8.236937	8.23108	8.259298	8.258674	8.272904
MCC	cg1476999	-0.06294	7.91689	-4.02314	0.000986	0.003994	-1.51253	8.415031	8.389032	8.407382	8.363737	8.400146	8.430797	8.387225	8.398702	8.407302	8.383473	8.334254	8.358752	8.342163	8.336574	8.340634	8.370657
TCEAL7	cg0476934	-0.06294	7.456923	-2.62456	0.018415	0.042928	-4.23715	8.10083	8.096624	8.102358	8.050619	8.042978	8.04134	8.075159	8.078688	8.069092	8.094305	8.006867	8.012523	8.015536	8.069573	8.062707	8.050215
CBFA2T3	cg0837235	-0.06294	7.424085	-4.19787	0.000684	0.002962	-0.99389	8.047087	8.030547	8.04565	8.053959	8.049857	8.031142	8.047226	8.077268	8.058055	8.066648	8.007651	8.036099	8.018388	8.013184	7.995415	8.045732
CUX1	cg0976251	-0.06292	7.905192	-2.57947	0.02018	0.046145	-4.47989	8.345761	8.371817	8.397697	8.379848	8.348608	8.377124	8.348376	8.416899	8.408079	8.423544	8.375369	8.370482	8.340683	8.317368	8.396547	8.312426
SOX7	cg1679911	-0.06291	7.65859	-3.90263	0.00127	0.004907	-1.66281	8.222035	8.221304	8.215454	8.210799	8.217633	8.200094	8.226053	8.217497	8.194966	8.210857	8.136082	8.174134	8.160896	8.211185	8.163527	8.159382
NFATC1	cg1192827	-0.06289	7.900003	-5.08081	0.000112	0.000691	0.700075	8.383869	8.368292	8.390063	8.380121	8.391983	8.403103	8.360647	8.392977	8.38415	8.395631	8.341201	8.34598	8.353676	8.327808	8.3245	8.325727
PTCH1	cg1764719	-0.06288	7.877576	-5.51619	4.72E-05	0.000337	1.593203	8.374298	8.372339	8.383684	8.368777	8.390502	8.373658	8.37892	8.368773	8.344279	8.35904	8.312955	8.312049	8.302075	8.33973	8.310905	8.319003
ARNTL	cg1253772	-0.06283	7.506079	-5.0349	0.000123	0.000742	0.733912	8.127899	8.107366	8.119021	8.107754	8.127915	8.104083	8.116852	8.108075	8.100977	8.096414	8.044272	8.067596	8.049035	8.074067	8.059926	8.078009
WFDC1	cg0537738	-0.06275	7.595915	-3.99569	0.001044	0.004175	-1.45117	8.163598	8.156737	8.186202	8.188252	8.146433	8.128975	8.188195	8.165176	8.168955	8.178137	8.128332	8.116129	8.120876	8.138874	8.141677	8.138991
NR2C2	cg1260426	-0.06272	7.915525	-4.14309	0.000766	0.00326	-1.26139	8.394976	8.400542	8.393061	8.408819	8.392529	8.365307	8.419287	8.381328	8.384382	8.405301	8.343692	8.344368	8.34778	8.382511	8.325841	8.359935
RPS6KA2	cg0135245	-0.06268	7.770132	-5.22663	8.35E-05	0.000546	1.055746	8.301759	8.287573	8.292495	8.291376	8.301228	8.299554	8.276112	8.29238	8.30634	8.279291	8.234754	8.260941	8.245812	8.235627	8.223242	8.257077
WWOX	cg1784747	-0.06264	7.722331	-4.18121	0.000708	0.003047	-1.09367	8.272883	8.281363	8.273536	8.250153	8.251723	8.245387	8.251719	8.266408	8.24182	8.258135	8.199134	8.180869	8.197847	8.230877	8.226162	8.221144
FOXP1	cg0469758	-0.06259	7.656978	-5.86936	2.39E-05	0.000198	2.366518	8.20528	8.200552	8.214219	8.213835	8.234676	8.214181	8.204095	8.219846	8.214293	8.205288	8.174749	8.16922	8.172045	8.164767	8.162669	8.154032
VPS53	cg2041735	-0.06256	7.83251	-6.36778	9.39E-06	9.21E-05	3.26652	8.330335	8.354914	8.331863	8.346085	8.337055	8.334292	8.334601	8.325977	8.345182	8.328405	8.291975	8.28999	8.287573	8.271456	8.293057	8.290749
SLC5A8	cg2074002	-0.06253	7.587447	-5.03156	0.000123	0.000746	0.709486	8.155453	8.175023	8.165553	8.17303	8.156282	8.15957	8.148607	8.163461	8.155072	8.190032	8.121826	8.124298	8.12496	8.129404	8.11917	8.101848
MCC	cg2509321	-0.06247	7.778647	-4.7351	0.000225	0.001213	0.043811	8.302689	8.315294	8.298003	8.291574	8.280651	8.310677	8.295218	8.312153	8.293713	8.28137	8.242928	8.238131	8.234913	8.260711	8.247388	8.276225
SELENBP1	cg1961221	-0.06235	7.471182	-7.90418	6.55E-07	1.12E-05	6.085743	8.083007	8.08139	8.086946	8.087522	8.084012	8.085562	8.087815	8.084746	8.087202	8.087121	8.051661	8.04276	8.040058	8.041956	8.04111	8.045534
SMAD2	cg0014722	-0.06227	7.905581	-5.22791	8.33E-05	0.000545	0.997577	8.404151	8.389792	8.38772	8.37943	8.395516	8.393961	8.374225	8.37301	8.392316	8.405465	8.352996	8.347049	8.339223	8.315914	8.334601	8.348992
MADD	cg2220069	-0.06226	7.91152	-3.68743	0.001999	0.007098	-2.22287	8.382106	8.379259	8.393347	8.400518	8.368685	8.353648	8.414603	8.368976	8.433075	8.385634	8.369236	8.346678	8.347653	8.362247	8.366082	8.331378
FOXP1	cg2582714	-0.06215	7.883702	-3.4618	0.003218	0.010465	-2.68035	8.375141	8.38249	8.388948	8.32405	8.359594	8.34702	8.372138	8.369163	8.407694	8.363829	8.313157	8.323658	8.314886	8.341923	8.342625	8.355103
SYNM	cg0210916	-0.06204	7.455755	-4.78328	0.000204	0.00112	0.223388	8.088771	8.073861	8.05574	8.067293	8.070869	8.075948	8.093466	8.076435	8.085311	8.056349	8.028242	8.036229	8.026814	8.047212	8.048795	8.024599
NFATC1	cg0443361	-0.06201	7.459709	-5.14898	9.75E-05	0.000621	0.972519	8.075157	8.081543	8.080466	8.091267	8.059702	8.080999	8.088603	8.075047	8.086938	8.062936	8.044658	8.028964	8.023058	8.037285	8.030127	8.050897
VPS53	cg2066791	-0.06195	7.890763	-5.09847	0.000108	0.000671	0.738976	8.36809	8.37477	8.39146	8.382228	8.375126	8.349487	8.373222	8.372885	8.400728	8.372565	8.334612	8.346595	8.319875	8.330979	8.344025	8.325965

UNC5C	cg0917953	-0.06194	7.894092	-6.18126	1.33E-05	0.000123	2.885119	8.390055	8.386663	8.378077	8.38621	8.393588	8.377391	8.386898	8.372712	8.377685	8.369051	8.312712	8.34223	8.331124	8.319974	8.331885	8.345098
TMEM127	cg0564655	-0.06192	6.936561	-3.62364	0.002287	0.007913	-2.29193	7.759129	7.757244	7.762128	7.741631	7.745255	7.746123	7.766061	7.771517	7.746224	7.737647	7.708946	7.685364	7.7114	7.736801	7.737896	7.726084
DDR2	cg2600026	-0.0619	7.620712	-5.13273	0.000101	0.000637	0.907153	8.190772	8.166668	8.18293	8.199489	8.182535	8.192328	8.191762	8.18265	8.198343	8.176942	8.142119	8.142381	8.162065	8.126313	8.151395	8.137065
LIMD1	cg0177265	-0.06188	7.786472	-6.36609	9.42E-06	9.24E-05	3.281938	8.309783	8.313141	8.320138	8.30388	8.301836	8.292139	8.297246	8.29251	8.306127	8.304256	8.246803	8.258046	8.24628	8.267736	8.259716	8.250347
CREM	cg1003176	-0.06186	7.167827	-3.0501	0.007647	0.021074	-3.37432	7.88678	7.877342	7.887659	7.890733	7.905073	7.901882	7.88204	7.862108	7.9137	7.910645	7.867283	7.879958	7.870118	7.832746	7.834725	7.829102
RBL2	cg2193509	-0.06186	7.865779	-2.72241	0.015079	0.036576	-4.184	8.310584	8.350829	8.334835	8.379396	8.275748	8.34266	8.376026	8.371786	8.406466	8.348933	8.325818	8.360603	8.308074	8.321671	8.325855	8.336399
RAP1A	cg2011825	-0.06179	7.790346	-3.02182	0.008112	0.022079	-3.54081	8.275105	8.280749	8.328759	8.296009	8.310348	8.308395	8.288765	8.288626	8.33435	8.322821	8.2966	8.286428	8.262442	8.224536	8.246513	8.263981
CD82	cg1760581	-0.06176	7.763905	-3.41623	0.003543	0.011313	-2.71366	8.268383	8.302113	8.314944	8.307722	8.279219	8.309782	8.294321	8.305543	8.261705	8.259767	8.216819	8.250297	8.205004	8.25524	8.246642	8.238632
FABP3	cg0734593	-0.06175	7.988176	-3.46013	0.00323	0.010492	-2.73567	8.466966	8.449423	8.458154	8.427386	8.450796	8.432049	8.458039	8.467794	8.446475	8.425541	8.37393	8.382761	8.390583	8.423476	8.398115	8.447645
ZBTB7C	cg2374657	-0.06168	7.374623	-2.86196	0.01131	0.028983	-3.75969	8.030962	8.041428	8.039907	8.009731	8.020613	8.030181	8.039956	8.044184	8.00674	7.984289	7.956899	7.961521	7.944319	8.007732	8.003269	7.989899
NNAT	cg1370863	-0.06168	7.993114	-4.60587	0.000293	0.0015	-0.3288	8.440115	8.442349	8.445823	8.449011	8.470813	8.468747	8.444332	8.444099	8.453051	8.466636	8.416655	8.428324	8.419018	8.383735	8.394117	8.390184
GSN	cg0077707	-0.06168	7.098407	-4.64444	0.000271	0.001411	-0.0559	7.852272	7.828589	7.837998	7.841625	7.842064	7.822457	7.857915	7.854265	7.857682	7.857089	7.808201	7.827018	7.812857	7.822152	7.838561	7.797052
MTSS1	cg1828005	-0.06166	7.812219	-5.648	3.65E-05	0.000274	1.880199	8.31627	8.310872	8.325006	8.315661	8.292307	8.316459	8.32864	8.323032	8.339228	8.312048	8.278655	8.281987	8.26579	8.296985	8.277969	8.280888
ZNF366	cg1503700	-0.06162	7.778892	-4.62004	0.000285	0.001464	-0.19453	8.292407	8.299226	8.309458	8.304489	8.336264	8.277424	8.297294	8.290467	8.286242	8.299995	8.262051	8.245026	8.245444	8.245663	8.257148	8.235974
RBL2	cg0476775	-0.06158	7.473459	-3.4872	0.00305	0.01001	-2.4918	8.08459	8.099867	8.098023	8.081799	8.063669	8.075153	8.107902	8.096917	8.06822	8.084628	8.036326	8.027657	8.022988	8.06373	8.083378	8.048202
DCUN1D3	cg2699904	-0.06158	7.826494	-5.24172	8.10E-05	0.000531	1.059981	8.335722	8.325899	8.3356	8.318071	8.302866	8.324071	8.334902	8.337611	8.327208	8.342126	8.284499	8.265629	8.291581	8.29415	8.309808	8.294763
CUX1	cg1517038	-0.06155	7.798378	-4.37441	0.000473	0.002208	-0.71787	8.304271	8.324482	8.324216	8.293399	8.298488	8.305025	8.313172	8.312383	8.298822	8.325835	8.244787	8.266162	8.262345	8.257512	8.273359	8.300653
RUNX3	cg2308617	-0.06154	7.219007	-4.8112	0.000193	0.00107	0.297902	7.907339	7.927355	7.897732	7.936049	7.922021	7.914493	7.920877	7.932065	7.93534	7.920038	7.890016	7.888994	7.901143	7.883312	7.876234	7.882105
PER2	cg0548664	-0.06152	7.541676	-5.34049	6.66E-05	0.000451	1.346386	8.124271	8.133686	8.134768	8.145024	8.133897	8.128922	8.13376	8.118164	8.138452	8.140221	8.109082	8.088912	8.091143	8.069796	8.087123	8.092291
DKK3	cg2095030	-0.06147	7.691013	-3.04213	0.007776	0.021375	-3.46138	8.250816	8.253555	8.253205	8.244419	8.207223	8.245675	8.241757	8.256925	8.21731	8.208327	8.160345	8.156183	8.17577	8.225627	8.203509	8.200439
LIMD1	cg1051220	-0.06137	7.861548	-3.79457	0.001595	0.005886	-1.96971	8.367962	8.370227	8.307578	8.373856	8.349368	8.329863	8.345956	8.359842	8.363037	8.371365	8.320096	8.322256	8.319949	8.314115	8.298258	8.312518
FOXP1	cg0215961	-0.06136	7.787335	-4.9426	0.000148	0.000862	0.468843	8.304403	8.329475	8.304946	8.313119	8.287045	8.293681	8.304555	8.306278	8.301809	8.293866	8.24984	8.238908	8.249549	8.257007	8.275471	8.269847
PRKCE	cg2759166	-0.06134	7.8771	-4.34206	0.000506	0.002319	-0.82191	8.367475	8.377579	8.379728	8.37096	8.357911	8.359175	8.381712	8.382272	8.350944	8.351427	8.309162	8.304843	8.2979	8.346287	8.336398	8.331455
MYO1A	cg1432205	-0.06132	7.784728	-4.35275	0.000495	0.002286	-0.75661	8.315169	8.315712	8.308776	8.297734	8.287507	8.290278	8.307082	8.300661	8.287282	8.306526	8.236543	8.246999	8.243062	8.253336	8.26143	8.292284
PCDH9	cg2435205	-0.0613	7.886599	-4.89856	0.000161	0.000927	0.331442	8.369482	8.379271	8.372413	8.376525	8.347804	8.390848	8.373656	8.37668	8.364861	8.385557	8.303091	8.346436	8.336201	8.336007	8.326669	8.3291
CAPG	cg1962700	-0.06127	7.404951	-2.86428	0.011256	0.028864	-3.7593	8.034643	8.054611	8.045363	8.018966	8.054005	7.987883	8.05196	8.052057	8.030515	8.057139	7.98913	7.988858	8.003067	8.044569	8.026603	7.985756
PRDM11	cg2022716	-0.06125	7.30265	-2.73605	0.014662	0.035709	-4.00383	7.958253	7.946973	7.969872	7.984012	7.988818	8.006578	7.961293	7.975491	7.996214	7.972614	7.958397	7.949488	7.964076	7.92941	7.89207	7.921674
NEDD4L	cg1246187	-0.06122	7.917653	-3.29735	0.004552	0.013882	-3.04	8.385624	8.400975	8.404698	8.377055	8.363941	8.395973	8.415509	8.407495	8.412813	8.372668	8.34024	8.328333	8.353651	8.333976	8.391734	8.389817
SCGB3A1	cg0950044	-0.0612	7.832657	-7.37536	1.58E-06	2.22E-05	5.097044	8.335376	8.333871	8.333707	8.331067	8.33281	8.331834	8.337577	8.328945	8.349015	8.331296	8.283546	8.291842	8.302321	8.295482	8.289804	8.286336
SGMS1	cg0980101	-0.06119	7.801257	-3.82417	0.001498	0.005584	-1.87451	8.310599	8.331335	8.336216	8.312297	8.327896	8.296371	8.32513	8.323836	8.296423	8.291525	8.237237	8.251576	8.252198	8.2872	8.274225	8.284025
CD44	cg1188690	-0.06119	7.948749	-4.81065	0.000193	0.001071	0.116321	8.423843	8.40312	8.391892	8.394545	8.427597	8.418969	8.427117	8.420883	8.43697	8.416087	8.379659	8.372856	8.399151	8.361161	8.369588	8.392817
MCC	cg0724927	-0.06118	7.768969	-4.54155	0.000335	0.001673	-0.35618	8.293121	8.285424	8.272595	8.28205	8.296227	8.298663	8.286202	8.287739	8.310239	8.280504	8.237938	8.281034	8.241132	8.238857	8.233498	8.247003
SRGAP3	cg1214708	-0.06115	7.855776	-3.71111	0.001901	0.006805	-2.13889	8.356845	8.365369	8.380232	8.359879	8.353166	8.324485	8.336668	8.349804	8.387735	8.322767	8.296191	8.300172	8.29426	8.319339	8.308592	8.304848
KLK10	cg0376208	-0.06114	7.007064	-3.67349	0.002059	0.007265	-2.13427	7.798357	7.798656	7.786066	7.777773	7.788913	7.771033	7.805863	7.811937	7.810051	7.771792	7.744575	7.756211	7.745597	7.774321	7.766634	7.784444
KLF10	cg0717150	-0.06111	7.738689	-5.62648	3.81E-05	0.000284	1.867031	8.260282	8.264943	8.271556	8.277092	8.258941	8.272396	8.261817	8.273297	8.282638	8.259172	8.235795	8.210677	8.236133	8.217213	8.235402	8.21424
ZFHX3	cg1446256	-0.0611	7.894271	-4.64796	0.000269	0.001403	-0.19267	8.381178	8.397508	8.374555	8.38179	8.364193	8.351152	8.365357	8.383745	8.405717	8.375776	8.341174	8.3354	8.322698	8.331412	8.351732	8.33979
IQGAP2	cg1302995	-0.06105	7.528515	-3.01208	0.008279	0.022469	-3.48024	8.124855	8.153717	8.139344	8.119208	8.11106	8.090552	8.136919	8.132291	8.109928	8.118864	8.046465	8.073174	8.059955	8.103322	8.110008	8.099436
FHL1	cg1370621	-0.06104	7.83577	-3.97692	0.001086	0.004313	-1.57571	8.325451	8.327532	8.340768	8.288344	8.330176	8.316391	8.349072	8.34024	8.361421	8.338405	8.31661	8.283537	8.281754	8.303433	8.33241	8.295094
PTPRJ	cg0039465	-0.06101	7.753048	-4.47208	0.000386	0.001883	-0.49743	8.265153	8.275976	8.279707	8.281234	8.253876	8.24961	8.27673	8.28558	8.28937	8.28974	8.216092	8.252139	8.244599	8.220816	8.255496	8.256614
PRKCE	cg0964734	-0.06096	7.454182	-5.53021	4.59E-05	0.000329	1.739451	8.070778	8.068894	8.067026	8.082389	8.077176	8.069159	8.077787	8.063452	8.073791	8.086871	8.033775	8.042809	8.043106	8.021189	8.041863	8.019231
MRVI1	cg2454155	-0.06094	7.794477	-5.85462	2.46E-05	0.000202	2.295134	8.312346	8.302176	8.316498	8.302256	8.304126	8.287239	8.310295	8.315017	8.305499	8.310659	8.25937	8.265191	8.247388	8.282897	8.272382	8.267
SASH1	cg1087328	-0.06094	7.744002	-4.01169	0.00101	0.004064	-1.45918	8.256636	8.282779	8.271942	8.278757	8.254988	8.270594	8.284952	8.28474	8.235652	8.291226	8.208918	8.225323	8.229684	8.230956	8.235383	8.248859
PTPRJ	cg1872509	-0.06092	7.55355	-4.22489	0.000646	0.002835	-0.95703	8.122375	8.153658	8.152994	8.139647	8.15594	8.13253	8.114872	8.137627	8.158602	8.147364	8.110969	8.100571	8.103023	8.079723	8.087412	8.100158
PLEKHO1	cg1589673	-0.06087	7.870953	-3.02852	0.008	0.021845	-3.56674	8.35607	8.384934	8.383884	8.360708	8.333464	8.324803	8.381386	8.36676	8.363955	8.352729	8.308711	8.296244	8.287205	8.336117	8.358609	8.339161
FOXO3	cg2143432	-0.06084	7.823913	-3.94047	0.001173	0.004584	-1.64154	8.332687	8.337848	8.3485	8.309663	8.337599	8.311224	8.329812	8.334595	8.349831	8.300596	8.279916	8.260903	8.272448	8.287821	8.305449	8.296666
SPRY4	cg1706586	-0.06083	7.887501	-4.43743	0.000415	0.001994	-0.62603	8.383363	8.385586	8.379391	8.373438	8.387635	8.368019	8.378915	8.385434	8.362035	8.361338	8.318127	8.305711	8.32503	8.307828	8.361135	8.342357
FOXP1	cg1974688	-0.06082	7.260708	-3.67252	0.002063	0.007275	-2.08446	7.963926	7.958371	7.956734	7.929078	7.936167	7.92701	7.964252	7.947922	7.940409	7.955449	7.888314	7.900569	7.898191	7.924234	7.929838	7.930919
HIPK2	cg2419625	-0.06081	7.468217	-5.79961	2.73E-05	0.00022	2.26916	8.083652	8.086641	8.092268	8.069657	8.09034	8.090691	8.079377	8.080717	8.092614	8.077282	8.037196	8.050375	8.032691	8.030325	8.052214	8.041299
NDRG2	cg1268733	-0.06079	7.446144	-4.63608	0.000276	0.001429	-0.07969	8.090684	8.04771	8.060765	8.072545	8.093459	8.061036	8.069376	8.068235	8.068496	8.065308	8.030783	8.026002	8.033185	8.02462	8.029635	8.013289
CUX1	cg0882914	-0.06075	7.97089	-2.8403	0.011829	0.030004	-4.00154	8.445921	8.42652	8.448756	8.403641	8.388242	8.418963	8.42872	8.447025	8.466348	8.433672	8.386009	8.388852	8.376533	8.396068	8.378321	8.462581
RHOBTB2	cg0146976	-0.06072	7.099601	-3.61942	0.002307	0.007967	-2.20433	7.831597	7.819347	7.867464	7.837714	7.84484	7.84913	7.845603	7.86708	7.876509	7.831238	7.81961	7.805319	7.82932	7.808342	7.827661	7.808847
HIPK2	cg1355691	-0.0607	7.74761	-4.96985	0.00014	0.000824	0.540021	8.289238	8.287318	8.280182	8.27351	8.271083	8.270547	8.275745	8.255812	8.293995	8.264295	8.216082	8.243309	8.216524	8.224137	8.227643	8.24256
TBX5	cg2507910	-0.06066	7.531187	-4.83317	0.000184	0.001034	0.313275	8.10701	8.106124	8.12175	8.112671	8.126333	8.119519	8.123701	8.143695	8.146622	8.112981	8.084503	8.097941	8.093672	8.103841	8.072321	8.084068
PPARG	cg0470201	-0.06065	7.824843	-3.83596	0.001461	0.005481	-1.86234	8.320882	8.316979	8.351869	8.325461	8.342451	8.320939	8.322592	8.318465	8.335189	8.341888	8.264189	8.307391	8.300591	8.255105	8.307181	8.275049
PPP2R5C	cg1076493	-0.06064	7.924501	-5.06259	0.000116	0.00071	0.649916	8.381996	8.412514	8.385611	8.415106	8.409369	8.400212	8.414871	8.388442	8.405398	8.399911	8.362517	8.368072	8.363945	8.352374	8.335722	8.357706
PIN1	cg2036317	-0.06063	7.246412	-5.19034	8.98E-05	0.000579	1.072777	7.938338	7.937499	7.941016	7.939735	7.936095	7.955126	7.954886	7.925814	7.930889	7.947949	7.907646	7.896275	7.901013	7.884778	7.907985	7.903048
CBFA2T3	cg1321750	-0.06061	7.77194	-4.91888	0.000155	0.000897	0.425419	8.295005	8.309813	8.276727	8.28914	8.30565	8.276027	8.27791	8.29203	8.302607	8.294953	8.256271	8.234305	8.261148	8.250357	8.25069	8.233057
RAP1A	cg2450417	-0.0606	7.364385	-3.69267	0.001977	0.007036	-2.04926	8.000096	8.011014	7.984946	8.020846	8.000769	8.013914	8.021133	8.000066	8.031736	8.034408	7.990597	7.97837	8.011962	7.980592	7.961174	7.963256
GLTSCR2	cg2414361	-0.06046	7.964177	-5.3048	7.15E-05	0.000477	1.125813	8.44477	8.420478	8.45102	8.42534	8.450772	8.436433	8.424297	8.423135	8.415706	8.441573	8.396703	8.371332	8.377081	8.36557	8.389534	8.383444
CBFA2T3	cg2336257	-0.06046	7.439915	-4.61778	0.000286	0.001469	-0.11752	8.036181	8.060433	8.068733	8.058811	8.064849	8.070595	8.061841	8.061067	8.076732	8.071608	8.047354	8.021903	8.036056	8.024231	8.021648	8.007429
ARHGEF12	cg0491948	-0.06044	7.942267	-4.6295	0.000279	0.001444	-0.25038	8.422697	8.409245	8.438259	8.443223	8.428944	8.40885	8.431787	8.405714	8.387663	8.407751	8.346728	8.359524	8.366596	8.366192	8.357648	8.380485
TP53BP2	cg0156606	-0.06039	7.897674	-2.65587	0.017277	0.040763	-4.31927	8.394741	8.399477	8.39561	8.343336	8.422322	8.381362	8.399184	8.397272	8.37069	8.343702	8.311122	8.316568	8.306177	8.327323	8.377904	8.357115
ZHX2	cg0282010	-0.06037	7.79395	-5.62386	3.83E-05	0.000285	1.844049	8.322684	8.314826	8.319509	8.307819	8.308204	8.319212	8.314101	8.285179	8.318706	8.29318	8.263783	8.260006	8.246628	8.255063	8.255257	8.270755
GSK3B	cg0884648	-0.06035	7.863038	-6.92311	3.46E-06	4.17E-05	4.279646	8.366785	8.353166	8.356581	8.349325	8.364954	8.354914	8.351887	8.35383	8.361781	8.358834	8.306546	8.314159	8.319328	8.321198	8.298836	8.310928
TET2	cg0091027	-0.06035	7.857518	-5.28408	7.45E-05	0.000494	1.132141	8.348777	8.346643	8.346235	8.352752	8.34486	8.352713	8.358001	8.360933	8.332527	8.370964	8.304843	8.311035	8.314157	8.291287	8.332712	8.311171
SMARCA2	cg0887901	-0.06024	7.626773	-4.2337	0.000634	0.00279	-0.95687	8.211811	8.200882	8.199966	8.166453	8.194406	8.195829	8.186246	8.176481	8.193504	8.195569	8.140187	8.147831	8.133563	8.132728	8.176923	8.140015
CSRNP1	cg2054309	-0.06023	7.85982	-5.9814	1.93E-05	0.000167	2.513988	8.345137	8.353808	8.36468	8.351729	8.354392	8.350911	8.351602	8.358941	8.356871	8.35386	8.302744	8.31388	8.312684	8.328499	8.288427	8.317915
CTDSPL	cg0509071	-0.06018	7.397591	-4.5571	0.000324	0.001629	-0.23874	8.03559	8.028092	8.033244	8.033998	8.028006	8.053879	8.039019	8.036632	8.056552	8.019875	7.997204	8.01911	7.982962	7.994072	7.990052	7.999756
PLCD1	cg2206616	-0.06017	7.902747	-5.61336	3.91E-05	0.000289	1.770765	8.397022	8.394991	8.375557	8.377141	8.365529	8.379255	8.384095	8.390523	8.393491	8.384435	8.331682	8.338589	8.337902	8.335672	8.363853	8.351365
HIVEP3	cg2613558	-0.06017	7.569229	-3.01466	0.008235	0.02239	-3.48319	8.16849	8.170889	8.162547	8.143555	8.143634	8.154141	8.167643	8.167635	8.121004	8.134583	8.078253	8.082613	8.083445	8.134689	8.115893	8.138253
IQGAP2	cg2162765	-0.06015	7.794959	-5.53447	4.55E-05	0.000327	1.662727	8.294098	8.284908	8.305425	8.307199	8.309422	8.315829	8.32303	8.311709	8.311327	8.299374	8.271485	8.268535	8.274553	8.266589	8.274412	8.247894
MME	cg1844296	-0.06013	7.625928	-4.89649	0.000162	0.000929	0.422143	8.175266	8.177051	8.186783	8.200622	8.19875	8.187511	8.199292	8.174061	8.197535	8.194322	8.155187	8.158509	8.162371	8.14384	8.142785	8.128829
TSC1	cg1558219	-0.0601	7.858379	-4.82137	0.000189	0.001053	0.188316	8.367681	8.385541	8.344342	8.367735	8.348473	8.348456	8.345875	8.358302	8.340691	8.353035	8.303984	8.287599	8.3011	8.298452	8.321565	8.317169
SASH1	cg1033265	-0.05998	7.882476	-5.09076	0.00011	0.000679	0.727828	8.369349	8.380482	8.36156	8.377759	8.369629	8.354172	8.365985	8.377737	8.38006	8.364961	8.329407	8.332029	8.316797	8.327552	8.354054	8.305378
VPS53	cg0295467	-0.05995	7.855115	-5.11682	0.000104	0.000654	0.794419	8.347146	8.343209	8.348389	8.363683	8.340593	8.356582	8.35681	8.34961	8.328491	8.372724	8.298579	8.325285	8.306907	8.303012	8.301139	8.30998
PLCD1	cg0084735	-0.0598	7.723575	-3.81815	0.001517	0.005642	-1.85883	8.237514	8.241947	8.270795	8.240465	8.274505	8.294342	8.262582	8.25482	8.24735	8.260333	8.207788	8.227622	8.22776	8.197374	8.21379	8.203935
ALDH1A2	cg1100184	-0.05979	7.864745	-5.26657	7.71E-05	0.00051	1.094561	8.353741	8.367967	8.353339	8.348196	8.368547	8.354714	8.376718	8.354211	8.355078	8.346984	8.308098	8.303064	8.313379	8.336163	8.300439	8.322109
SPI1	cg0330124	-0.05972	7.131039	-4.13745	0.000776	0.003295	-1.11166	7.857651	7.877026	7.86559	7.894719	7.863552	7.841452	7.87941	7.871331	7.854979	7.875043	7.834726	7.828452	7.821835	7.83581	7.842462	7.828767
FHL1	cg2629547	-0.05968	7.366359	-4.2464	0.000618	0.002732	-0.88562	8.007165	8.009755	8.003966	8.02444	8.020404	8.004228	8.013226	8.008649	8.030097	8.02659	7.985823	7.98335	7.996653	7.94698	7.985285	7.978466
MADD	cg0400094	-0.05961	7.648288	-3.96259	0.001119	0.004422	-1.53428	8.213879	8.192673	8.196422	8.235393	8.174526	8.205833	8.214759	8.196382	8.188699	8.226104	8.171464	8.163088	8.163383	8.153187	8.165336	8.167023
HIVEP1	cg2651694	-0.05961	7.179519	-4.40505	0.000444	0.002107	-0.5466	7.869709	7.89928	7.883299	7.908791	7.891004	7.90459	7.894828	7.907583	7.909614	7.896026	7.872538	7.877665	7.865148	7.856438	7.850856	7.858072
HIVEP3	cg0301094	-0.05954	7.875482	-4.35036	0.000497	0.00229	-0.80745	8.358015	8.357346	8.344353	8.341061	8.371598	8.360308	8.367935	8.378039	8.38547	8.356316	8.333834	8.346916	8.306699	8.322065	8.306874	8.349433
LRRC4	cg2757359	-0.05944	7.170561	-2.61344	0.018836	0.043715	-4.24157	7.918397	7.891118	7.908526	7.876345	7.895412	7.885248	7.905922	7.902042	7.8656	7.891702	7.827331	7.840144	7.839892	7.875063	7.832656	7.903605
MOB1B	cg1034320	-0.0594	7.882044	-4.92055	0.000154	0.000894	0.378538	8.353214	8.366929	8.367592	8.40385	8.365101	8.34912	8.378469	8.377714	8.363819	8.368609	8.334529	8.327578	8.325572	8.325707	8.327745	8.326349
SGMS1	cg1461121	-0.05938	7.779819	-6.29593	1.07E-05	0.000103	3.149473	8.288426	8.299763	8.292177	8.286429	8.2984	8.281721	8.295045	8.295656	8.315673	8.296914	8.270563	8.251734	8.252392	8.262145	8.25347	8.253773
FLNA	cg1609496	-0.05937	7.817427	-6.17623	1.34E-05	0.000124	2.909713	8.331249	8.323122	8.335132	8.336422	8.317506	8.332564	8.32519	8.327512	8.320322	8.309961	8.269577	8.270814	8.277463	8.279212	8.296129	8.269242
RASSF2	cg0589832	-0.05937	7.256838	-4.24812	0.000615	0.002724	-0.87516	7.950589	7.956683	7.942644	7.934835	7.925982	7.935492	7.951756	7.952344	7.935925	7.960181	7.889294	7.898015	7.911574	7.920273	7.91469	7.931991
ALDH1A2	cg1351844	-0.05936	7.497946	-4.0171	0.000998	0.004029	-1.38322	8.098157	8.103851	8.093449	8.10853	8.111638	8.105966	8.124588	8.096476	8.113502	8.076527	8.042068	8.078811	8.061544	8.0454	8.065672	8.07631
TCF4	cg1838505	-0.0593	7.471741	-3.38285	0.003802	0.011959	-2.70891	8.068518	8.067025	8.060846	8.099568	8.091265	8.09168	8.085539	8.075503	8.089237	8.106131	8.067444	8.056938	8.076226	8.035379	8.024871	8.028666
MAL	cg1350196	-0.05929	7.620451	-5.15267	9.68E-05	0.000618	0.947605	8.194758	8.190178	8.175932	8.193071	8.189427	8.159915	8.184533	8.175444	8.185047	8.203863	8.143735	8.14753	8.147533	8.148376	8.14628	8.137123
PLCD1	cg2633106	-0.05929	7.681605	-4.16874	0.000726	0.00311	-1.10866	8.234945	8.231126	8.246743	8.219454	8.228358	8.232028	8.242717	8.232183	8.198665	8.229907	8.176846	8.159278	8.174042	8.189369	8.192711	8.207601
PIAS1	cg1041549	-0.05927	7.70257	-6.0918	1.57E-05	0.00014	2.786536	8.247499	8.256809	8.254091	8.263666	8.242085	8.24071	8.236994	8.224383	8.244576	8.246018	8.192273	8.203311	8.196362	8.191782	8.198839	8.189227
RASSF5	cg0145111	-0.05923	7.896631	-5.76746	2.90E-05	0.00023	2.081317	8.384122	8.390641	8.396451	8.371486	8.37949	8.400833	8.381118	8.378	8.378746	8.37118	8.337557	8.327552	8.319493	8.326732	8.334567	8.352696
SIRT2	cg1673891	-0.05922	6.630852	-2.61171	0.018902	0.043851	-4.582	7.601438	7.548713	7.571959	7.549669	7.54918	7.58902	7.581393	7.594997	7.605895	7.599971	7.569593	7.569779	7.54538	7.59423	7.546021	7.548341
NEDD4L	cg1207926	-0.05921	7.953945	-4.50528	0.000361	0.00178	-0.52123	8.418631	8.421298	8.408644	8.441685	8.418056	8.389137	8.442911	8.403343	8.425373	8.435442	8.390277	8.371861	8.392018	8.384127	8.373023	8.381167
WWOX	cg1724736	-0.05921	7.486802	-3.99071	0.001055	0.004207	-1.43778	8.070344	8.089276	8.083618	8.100859	8.102593	8.083336	8.118969	8.085463	8.075403	8.120193	8.054229	8.062625	8.076576	8.05106	8.056872	8.052493
ATF3	cg1720041	-0.05919	7.660821	-3.92406	0.001214	0.004714	-1.61787	8.218112	8.195945	8.226614	8.202373	8.238109	8.222716	8.222323	8.215463	8.213765	8.194955	8.157719	8.174173	8.171008	8.143038	8.174998	8.195089
SGMS1	cg1837904	-0.05918	7.899081	-2.97513	0.008942	0.023945	-3.69074	8.383607	8.404054	8.379554	8.353402	8.33711	8.388484	8.388148	8.378389	8.369432	8.415446	8.339735	8.32558	8.330845	8.349754	8.390766	8.32496
BTK	cg2190966	-0.05905	7.483554	-3.393	0.003721	0.011751	-2.68911	8.098133	8.107828	8.106691	8.096255	8.088164	8.065558	8.102098	8.083123	8.099739	8.087741	8.029893	8.045487	8.052464	8.089048	8.069613	8.028116
GSN	cg2443291	-0.05898	7.74288	-3.5155	0.002874	0.009538	-2.49965	8.299293	8.278847	8.287996	8.272662	8.260841	8.257588	8.277103	8.279255	8.263685	8.251469	8.203113	8.212747	8.197901	8.25366	8.244999	8.238074
LRRC3B	cg0041242	-0.05896	6.920186	-4.36045	0.000487	0.002259	-0.74701	7.728119	7.732915	7.727236	7.741654	7.73835	7.721623	7.753172	7.755186	7.774012	7.723698	7.715934	7.723399	7.71188	7.719187	7.707464	7.715325
MADD	cg1698300	-0.05892	7.893498	-3.84143	0.001445	0.005427	-1.88721	8.376959	8.376057	8.388959	8.337006	8.372775	8.381288	8.376364	8.366769	8.41625	8.370878	8.345873	8.337394	8.329277	8.349877	8.321228	8.347369
RNF180	cg1762143	-0.05888	7.489455	-2.85741	0.011417	0.029206	-3.78365	8.111323	8.118795	8.111178	8.091549	8.089054	8.075421	8.109451	8.1139	8.076995	8.083482	8.030977	8.033492	8.026336	8.089485	8.081874	8.06961
PRDM11	cg1030310	-0.05881	7.836307	-3.12249	0.006572	0.018675	-3.3532	8.349227	8.357851	8.33916	8.363978	8.34747	8.312633	8.342228	8.359889	8.315003	8.313942	8.280097	8.271985	8.266881	8.288369	8.293453	8.335502
SRGAP3	cg0006340	-0.05876	7.381457	-3.56807	0.002572	0.00873	-2.31114	8.000069	8.014248	8.016458	8.034338	8.045956	8.047151	8.019798	8.032303	8.027298	8.025095	7.997199	7.999825	8.006233	7.970735	7.98049	7.964062
AKT1	cg0231317	-0.05875	7.788106	-3.26687	0.004854	0.014669	-3.03271	8.310492	8.326062	8.333872	8.293066	8.313644	8.314373	8.287974	8.317206	8.281128	8.295854	8.203753	8.252059	8.260765	8.248134	8.283672	8.267455
RPS6KA2	cg0710955	-0.05874	7.639721	-5.05674	0.000117	0.000716	0.747233	8.187225	8.190539	8.212031	8.20102	8.197626	8.201259	8.191264	8.190516	8.19816	8.218199	8.156476	8.174737	8.161283	8.147693	8.144589	8.161222
CBFA2T3	cg0873295	-0.05874	7.697826	-6.5086	7.26E-06	7.43E-05	3.575646	8.244963	8.24654	8.241803	8.237928	8.237152	8.239018	8.236688	8.238538	8.23878	8.238769	8.183582	8.207339	8.186737	8.207883	8.19892	8.190848
SRGAP3	cg0225596	-0.05869	7.862501	-4.60558	0.000293	0.0015	-0.25949	8.367681	8.382925	8.36616	8.384552	8.355263	8.364707	8.360205	8.346808	8.329161	8.354752	8.30671	8.297937	8.28928	8.28724	8.324298	8.320102
ADARB1	cg1260844	-0.05866	7.573752	-4.97938	0.000137	0.000812	0.605486	8.144148	8.14054	8.141012	8.175054	8.146829	8.155214	8.159904	8.162835	8.1518	8.149418	8.121107	8.129295	8.108122	8.10118	8.110864	8.117647
MOB1B	cg0457670	-0.05865	7.833264	-3.09268	0.006996	0.01964	-3.41472	8.326661	8.344588	8.35546	8.338188	8.322421	8.332637	8.330269	8.289576	8.343274	8.374145	8.302714	8.313628	8.289092	8.265268	8.299993	8.274707
CNDP2	cg0062483	-0.0586	6.610515	-3.17906	0.005837	0.016942	-3.47421	7.571293	7.584671	7.568662	7.602459	7.548038	7.552702	7.586793	7.577541	7.550481	7.591399	7.536103	7.540192	7.532897	7.551938	7.548601	7.552513
HIVEP3	cg0274777	-0.05853	7.756069	-4.57955	0.00031	0.001568	-0.27286	8.278364	8.268119	8.271747	8.294878	8.278804	8.253513	8.269123	8.306028	8.285321	8.27448	8.241324	8.246236	8.232634	8.237992	8.231138	8.256959
NEDD4L	cg2341833	-0.0585	7.843926	-3.32907	0.004258	0.013163	-2.93549	8.356433	8.345119	8.344369	8.341296	8.291196	8.339378	8.357153	8.346306	8.359469	8.32363	8.280588	8.292519	8.28868	8.3312	8.30832	8.318497
CTNND1	cg1479131	-0.05835	7.805838	-4.48217	0.000378	0.00185	-0.49438	8.325032	8.317638	8.328904	8.304783	8.31322	8.310197	8.315528	8.30999	8.321459	8.311771	8.253006	8.265091	8.279829	8.261414	8.263804	8.307939
VPS53	cg0659011	-0.05834	7.933005	-5.41429	5.76E-05	0.000399	1.358555	8.414307	8.416108	8.408424	8.404214	8.388688	8.390938	8.405851	8.400098	8.404241	8.427025	8.351616	8.368174	8.361359	8.376726	8.36004	8.374703
DLEC1	cg1367071	-0.05833	7.829471	-4.71969	0.000232	0.001246	-0.01083	8.350484	8.333701	8.323718	8.318797	8.324978	8.338891	8.324988	8.338478	8.34951	8.317641	8.299343	8.283896	8.274777	8.277322	8.308059	8.294053
NCOA4	cg1220459	-0.05823	7.476792	-3.51344	0.002886	0.009572	-2.43834	8.083504	8.073214	8.094678	8.051562	8.105041	8.055461	8.104296	8.085328	8.087311	8.105527	8.030819	8.050687	8.064008	8.06281	8.07319	8.050545
FOXP1	cg2142374	-0.05822	7.387232	-4.71172	0.000236	0.001262	0.083963	8.034858	8.04805	8.041939	8.046897	8.013226	8.049935	8.025237	8.025715	8.016336	8.029686	7.986802	7.979768	7.977891	7.97553	7.985369	8.003911
CDH5	cg2577133	-0.05812	7.681713	-5.4485	5.39E-05	0.000377	1.529956	8.244554	8.232485	8.240981	8.240627	8.219609	8.23926	8.211724	8.214264	8.243621	8.222444	8.182463	8.183989	8.185669	8.182339	8.172374	8.180758
NEDD4L	cg0069257	-0.05811	7.961279	-4.20164	0.000678	0.002942	-1.15966	8.432321	8.432622	8.439751	8.446482	8.398049	8.435334	8.419188	8.420421	8.405682	8.459494	8.376971	8.386244	8.384677	8.385254	8.382617	8.37799

IRF5	cg0875197	-0.0581	7.768193	-4.56123	0.000321	0.001619	-0.3161	8.295688	8.287986	8.280432	8.277761	8.25177	8.292646	8.295775	8.291974	8.284816	8.300101	8.233599	8.24824	8.248275	8.241812	8.267682	8.264591
STK10	cg0137547	-0.0581	7.633937	-5.31065	7.07E-05	0.000473	1.263606	8.180588	8.179725	8.199993	8.187178	8.186367	8.215811	8.195585	8.197026	8.19454	8.200425	8.156536	8.163173	8.160988	8.143545	8.156678	8.152076
LIMD1	cg1927334	-0.05808	7.832166	-5.67926	3.44E-05	0.000262	1.932449	8.305486	8.335936	8.34033	8.322301	8.321614	8.317042	8.342596	8.333208	8.335168	8.350697	8.288147	8.295845	8.302655	8.298914	8.293318	8.305804
RASSF5	cg0575649	-0.05807	7.585062	-3.02676	0.008029	0.021915	-3.46487	8.173679	8.167025	8.154698	8.133407	8.14668	8.156143	8.178205	8.184981	8.143719	8.153962	8.092518	8.118488	8.100531	8.148002	8.161554	8.124388
CREM	cg0749293	-0.05806	7.861678	-4.66778	0.000258	0.001357	-0.13522	8.351127	8.331441	8.341668	8.366494	8.35811	8.358638	8.354534	8.350387	8.361769	8.364731	8.325779	8.324874	8.334309	8.304236	8.294496	8.30485
CD82	cg2110808	-0.05796	7.397921	-3.89761	0.001283	0.004954	-1.62102	8.032173	8.025907	8.057484	8.053318	8.049179	8.018971	8.050568	8.021867	8.031143	8.036722	7.990395	8.002479	7.9957	7.974622	8.016614	7.994593
NFATC2	cg0256191	-0.05794	7.898697	-5.53713	4.53E-05	0.000325	1.62137	8.372586	8.380898	8.380718	8.378818	8.393817	8.369519	8.381487	8.386997	8.401357	8.365268	8.33921	8.351068	8.33419	8.331833	8.33718	8.349245
LIMA1	cg1704658	-0.05789	7.882298	-5.28856	7.38E-05	0.00049	1.13023	8.356719	8.373745	8.378234	8.354892	8.375117	8.372913	8.366555	8.379351	8.353244	8.385672	8.332257	8.320411	8.325194	8.324665	8.320673	8.345119
DKK3	cg1244892	-0.05788	7.904092	-4.34669	0.000501	0.002303	-0.82725	8.389777	8.394483	8.36374	8.375783	8.406241	8.368157	8.391117	8.383206	8.402902	8.374171	8.339095	8.344299	8.352942	8.35853	8.321141	8.351256
PHLPP2	cg0502827	-0.05787	7.91927	-6.27044	1.12E-05	0.000107	3.042072	8.410364	8.401612	8.3987	8.380539	8.389749	8.404449	8.398295	8.387911	8.400091	8.400801	8.347872	8.349356	8.351987	8.357954	8.348402	8.364678
PEA15	cg2683568	-0.05786	7.912383	-5.59818	4.02E-05	0.000296	1.736068	8.406178	8.39777	8.383591	8.378004	8.39015	8.374275	8.394506	8.381704	8.396969	8.404004	8.341122	8.348992	8.352303	8.346494	8.351539	8.36514
IKZF1	cg1623294	-0.05782	7.829994	-3.80218	0.001569	0.005813	-1.9348	8.359044	8.315461	8.315344	8.338233	8.360079	8.328491	8.352279	8.321295	8.330129	8.318035	8.271835	8.305863	8.28845	8.275166	8.288079	8.297208
SMAD4	cg2370821	-0.05781	7.616456	-6.13737	1.44E-05	0.000131	2.894118	8.187615	8.176295	8.180728	8.176848	8.184108	8.192624	8.194884	8.173338	8.188456	8.174183	8.139909	8.136501	8.146776	8.148529	8.137308	8.14091
NDRG2	cg2411271	-0.05778	7.611131	-4.89149	0.000164	0.000937	0.417557	8.190069	8.19572	8.193437	8.177728	8.183399	8.184642	8.145348	8.179834	8.18723	8.184547	8.13655	8.137913	8.134086	8.12281	8.13596	8.132215
CD82	cg1117990	-0.05777	7.316413	-3.62966	0.002258	0.00784	-2.17737	7.980505	7.949374	7.983238	8.00211	7.962451	7.976796	7.992288	7.991024	8.00084	7.972277	7.959016	7.937995	7.961542	7.955366	7.961177	7.927805
IGF2R	cg2117885	-0.05773	7.969085	-4.10632	0.000828	0.003462	-1.36853	8.425186	8.45556	8.390895	8.414349	8.436837	8.421626	8.434529	8.429972	8.436397	8.455926	8.40355	8.406048	8.391698	8.39123	8.379635	8.400856
ST7	cg0984772	-0.0577	7.83633	-3.00363	0.008426	0.022804	-3.59631	8.34838	8.360446	8.341592	8.311039	8.3346	8.356854	8.348797	8.340128	8.30837	8.338838	8.26626	8.282469	8.279949	8.337581	8.269303	8.313191
BMP2	cg1898147	-0.05769	7.375395	-3.05033	0.007644	0.021073	-3.38047	8.00349	8.010004	8.007714	8.04179	8.040669	8.038383	8.031368	8.010214	8.00413	8.038524	7.983487	8.008053	7.999443	7.979581	7.97464	7.947443
ST7	cg0026799	-0.05768	7.893271	-2.98768	0.008711	0.023435	-3.65995	8.389061	8.379393	8.371131	8.407908	8.352521	8.35963	8.387882	8.398114	8.330397	8.400158	8.324243	8.309426	8.33585	8.343901	8.353123	8.349368
WWOX	cg0549042	-0.05764	7.680906	-4.69666	0.000243	0.001295	-0.00594	8.221846	8.210706	8.22891	8.22625	8.227356	8.227475	8.227001	8.218853	8.235544	8.236149	8.218206	8.171515	8.195718	8.180021	8.177368	8.184857
NTRK3	cg2425194	-0.05751	7.245922	-3.97873	0.001082	0.0043	-1.44057	7.942285	7.939795	7.947934	7.942033	7.95683	7.939329	7.961567	7.922259	7.91479	7.946274	7.892761	7.892135	7.906903	7.881983	7.913371	7.903341
FAS	cg0055152	-0.05751	7.302201	-4.20487	0.000674	0.002927	-0.96866	7.963437	7.963064	7.964206	7.966978	7.932327	7.942762	7.993069	7.972581	7.995261	7.985967	7.947546	7.927265	7.950649	7.964578	7.949736	7.949936
GBP1	cg0797000	-0.0575	7.913613	-3.67998	0.002031	0.007189	-2.23138	8.409929	8.409907	8.381461	8.425099	8.371705	8.433961	8.38147	8.397486	8.382254	8.380346	8.34249	8.340547	8.352371	8.321596	8.338135	8.359329
DUSP26	cg1986331	-0.05748	7.264876	-4.44143	0.000412	0.001983	-0.47063	7.944061	7.937567	7.947693	7.979508	7.957808	7.952653	7.959505	7.955956	7.936156	7.948938	7.924188	7.903838	7.918702	7.91081	7.910691	7.904984
MAPK10	cg0959169	-0.05747	7.841778	-4.03859	0.000954	0.003884	-1.44339	8.34853	8.342598	8.354672	8.346055	8.308003	8.349325	8.321174	8.355609	8.34758	8.337855	8.289623	8.310595	8.276024	8.295554	8.316524	8.299744
TSSC4	cg2305412	-0.05746	7.291488	-2.65373	0.017352	0.040899	-4.16378	7.967065	7.955797	7.966688	8.000501	7.987336	7.972111	7.954622	7.940518	7.969786	7.991579	7.939669	7.949549	7.953368	7.891188	7.90135	7.921328
GATA5	cg0214600	-0.05744	7.832475	-6.46942	7.80E-06	7.90E-05	3.45681	8.332802	8.325958	8.328221	8.343189	8.343997	8.333522	8.33515	8.331099	8.337222	8.332402	8.297691	8.293631	8.301341	8.284464	8.279162	8.29293
CBFA2T3	cg0804708	-0.05739	7.551745	-4.41042	0.000439	0.002087	-0.56855	8.122826	8.13231	8.124267	8.128823	8.154397	8.147382	8.149401	8.149802	8.122929	8.141545	8.107083	8.107564	8.092684	8.117904	8.086819	8.091825
GSN	cg0113694	-0.05738	7.788642	-4.20682	0.000671	0.002919	-1.0662	8.313811	8.30547	8.29247	8.283066	8.293539	8.298331	8.321349	8.309281	8.291851	8.301613	8.266622	8.236471	8.249757	8.263007	8.28231	8.285372
NGFR	cg0060835	-0.05736	7.052599	-5.64898	3.65E-05	0.000274	1.964671	7.815716	7.819344	7.824033	7.82225	7.826769	7.804316	7.820002	7.827142	7.818837	7.823838	7.78335	7.779029	7.790514	7.783105	7.782698	7.799679
MYH9	cg0549183	-0.05735	7.268243	-2.6754	0.016602	0.039568	-4.12082	7.96389	7.9671	7.971884	7.927933	7.942279	7.931067	7.971712	7.951997	7.941407	7.954983	7.926319	7.880692	7.885235	7.94572	7.924252	7.941059
ARHGAP29	cg0181214	-0.0573	7.760379	-5.24794	8.00E-05	0.000526	1.101654	8.290264	8.294151	8.281319	8.269685	8.281912	8.28058	8.290691	8.289001	8.286953	8.264618	8.231522	8.230803	8.231712	8.256595	8.247035	8.248324
MCC	cg2192023	-0.05724	7.816786	-3.13721	0.006373	0.01823	-3.31403	8.345569	8.31299	8.32389	8.310309	8.330459	8.351808	8.322746	8.326042	8.326795	8.301309	8.265061	8.277182	8.283885	8.327739	8.249856	8.259127
PTPN1	cg1022736	-0.05721	7.834895	-3.34459	0.004121	0.012802	-2.8956	8.344292	8.346764	8.340263	8.317842	8.354592	8.332605	8.351896	8.343854	8.30548	8.334062	8.283776	8.283166	8.265538	8.281228	8.300399	8.335354
ALPL	cg0223967	-0.05717	7.578672	-3.45134	0.00329	0.010648	-2.58786	8.161613	8.156388	8.161283	8.147039	8.123893	8.1728	8.147122	8.157519	8.179489	8.150863	8.109071	8.09162	8.148009	8.12569	8.126849	8.109309
AKT1	cg0682990	-0.05715	7.795573	-4.35087	0.000497	0.00229	-0.76371	8.333516	8.302068	8.320492	8.335363	8.286012	8.305221	8.301082	8.302768	8.304451	8.308539	8.265847	8.260994	8.250049	8.252206	8.267155	8.277472
FABP3	cg1583353	-0.05712	7.678256	-5.0409	0.000121	0.000734	0.705835	8.237991	8.240945	8.227432	8.23279	8.215133	8.237636	8.215785	8.20832	8.234174	8.226923	8.172891	8.18665	8.188151	8.16598	8.193479	8.17452
FBLN1	cg1369951	-0.05711	7.816797	-3.20113	0.005573	0.016369	-3.1854	8.325	8.345079	8.333053	8.287997	8.314625	8.314504	8.325608	8.340412	8.327282	8.305398	8.254061	8.276061	8.256147	8.296066	8.304361	8.308807
ARHGAP29	cg2033521	-0.05706	7.821122	-4.58077	0.000309	0.001565	-0.29452	8.337541	8.335741	8.342624	8.332158	8.311524	8.322207	8.319386	8.335045	8.315343	8.323856	8.258857	8.274933	8.27814	8.309407	8.280818	8.285981
PTPRK	cg2391324	-0.05693	7.933803	-3.80146	0.001572	0.005816	-1.9868	8.419924	8.418838	8.397567	8.411614	8.411915	8.446707	8.388786	8.419796	8.422423	8.37413	8.359804	8.357889	8.369892	8.34009	8.371009	8.352251
HOPX	cg1471454	-0.05691	7.542833	-2.99321	0.008611	0.023211	-3.52282	8.104135	8.101563	8.102572	8.162062	8.128278	8.135549	8.137474	8.151413	8.145194	8.120881	8.122867	8.096418	8.121448	8.089381	8.087399	8.075562
NDRG2	cg0283995	-0.05691	7.299259	-4.53529	0.000339	0.00169	-0.27634	7.966709	7.978433	7.986263	7.968109	7.965502	7.995823	7.95609	7.971105	7.980835	7.974411	7.934361	7.939182	7.932698	7.942027	7.934067	7.91422
CLU	cg2221714	-0.05687	7.823428	-4.58563	0.000306	0.001553	-0.28848	8.316306	8.31867	8.336461	8.310053	8.321737	8.327048	8.336459	8.336191	8.315359	8.336427	8.272472	8.288775	8.289188	8.272261	8.293957	8.318154
TSPAN32	cg1859359	-0.05686	7.506328	-3.64376	0.002192	0.007658	-2.17051	8.119754	8.111227	8.107533	8.080018	8.093139	8.077242	8.092937	8.109105	8.125812	8.128237	8.057691	8.080797	8.065008	8.093143	8.066814	8.082923
UNC5B	cg0587113	-0.05684	7.066677	-2.72905	0.014874	0.036134	-4.03986	7.845373	7.833869	7.820001	7.82051	7.839044	7.837946	7.849185	7.837229	7.798999	7.824118	7.77298	7.791043	7.781035	7.772067	7.793011	7.839257
TNFAIP3	cg1828776	-0.05682	7.409182	-4.46542	0.000392	0.001901	-0.43098	8.048551	8.035702	8.040129	8.029951	8.055719	8.045838	8.046986	8.043512	8.034117	8.05329	8.001039	8.006055	8.007478	7.980381	8.019342	8.020308
CHD5	cg0091395	-0.05682	7.988909	-3.25435	0.004983	0.014974	-3.16239	8.45609	8.438526	8.460793	8.412346	8.473717	8.471155	8.458456	8.458889	8.414703	8.449471	8.396205	8.394365	8.390485	8.429542	8.418767	8.384248
MOB1B	cg1295073	-0.05679	7.942316	-3.54287	0.002712	0.009119	-2.53939	8.408507	8.39561	8.428875	8.430973	8.380073	8.415918	8.425679	8.383797	8.426688	8.427179	8.385357	8.390942	8.363036	8.362574	8.354833	8.381358
ZBTB7C	cg0239866	-0.05679	7.240104	-2.69899	0.01582	0.038068	-4.07379	7.948421	7.952789	7.935979	7.895498	7.959554	7.926987	7.963317	7.931707	7.921842	7.923302	7.87572	7.886447	7.879851	7.92118	7.919833	7.903492
HIVEP3	cg1403895	-0.05676	7.264398	-3.13461	0.006408	0.018288	-3.20121	7.962039	7.961876	7.958443	7.942426	7.932031	7.939504	7.949709	7.977834	7.942145	7.937138	7.905951	7.887665	7.895291	7.938892	7.94009	7.917494
MT1M	cg0091688	-0.05674	8.002265	-2.92053	0.010017	0.026272	-3.85403	8.457547	8.432405	8.46265	8.468294	8.428525	8.47093	8.460657	8.460401	8.452878	8.467396	8.475257	8.389716	8.393671	8.41127	8.437638	8.39585
EYA4	cg2139062	-0.05671	7.404298	-2.96057	0.009217	0.024535	-3.56556	8.030591	8.02755	8.018801	8.041125	8.052441	8.039099	8.027337	8.023336	8.065694	8.059725	8.027021	8.022414	8.024179	8.004742	7.971918	7.982132
SP100	cg0554794	-0.05668	7.865538	-2.7633	0.013864	0.034134	-4.0916	8.353826	8.378705	8.382732	8.365803	8.379265	8.333544	8.380326	8.359493	8.364519	8.308445	8.298495	8.30329	8.278145	8.326911	8.313645	8.345771
CLU	cg1073489	-0.05665	7.741795	-5.86351	2.41E-05	0.000199	2.330514	8.258144	8.252701	8.269799	8.267609	8.271219	8.2458	8.267814	8.277221	8.278513	8.275814	8.241138	8.226594	8.239069	8.223348	8.233959	8.237301
DAPK1	cg1201711	-0.05663	7.487313	-4.09503	0.000848	0.003526	-1.21701	8.092615	8.106822	8.095127	8.082825	8.096511	8.133262	8.108552	8.083843	8.073995	8.100738	8.047543	8.053743	8.054288	8.049294	8.055425	8.055096
ROBO1	cg2174371	-0.05661	7.624791	-2.97527	0.008939	0.023943	-3.5794	8.171415	8.185252	8.168341	8.222425	8.192327	8.181086	8.175633	8.182989	8.22297	8.175148	8.168873	8.169645	8.160861	8.136971	8.134525	8.122372
TAGLN	cg2461969	-0.05661	7.853515	-4.28415	0.000571	0.002562	-0.93085	8.34663	8.368101	8.355927	8.366092	8.36755	8.321986	8.356008	8.337834	8.346899	8.343103	8.29996	8.312468	8.290556	8.300657	8.324931	8.295345
TOM1L2	cg0892452	-0.05661	7.700531	-4.5109	0.000357	0.001761	-0.39613	8.240138	8.240057	8.260314	8.24776	8.243845	8.248573	8.240466	8.252287	8.234571	8.220733	8.183705	8.203987	8.180544	8.182269	8.213381	8.213276
CAPG	cg2713945	-0.05652	7.493222	-3.62632	0.002274	0.007886	-2.20311	8.121692	8.108871	8.109673	8.084114	8.107647	8.092734	8.115377	8.094086	8.079346	8.096246	8.041893	8.032687	8.054479	8.084853	8.064221	8.06454
CBFA2T3	cg0182965	-0.0565	7.835146	-5.76688	2.90E-05	0.00023	2.105397	8.337152	8.339987	8.332038	8.3319	8.339381	8.305884	8.333584	8.337228	8.34352	8.340798	8.295241	8.28863	8.297295	8.300143	8.305023	8.295331
SGMS1	cg1993660	-0.05646	7.916941	-3.46041	0.003228	0.01049	-2.7018	8.385992	8.408021	8.382926	8.358028	8.375526	8.37947	8.417057	8.390235	8.434741	8.370392	8.351538	8.35351	8.343346	8.366463	8.37629	8.372352
ROBO1	cg1024339	-0.05643	7.573565	-4.18009	0.000709	0.003053	-1.05602	8.145315	8.153919	8.143193	8.157365	8.154585	8.167573	8.124636	8.169367	8.15119	8.16681	8.122153	8.121465	8.12384	8.098926	8.105333	8.107489
AKT1	cg1210046	-0.05641	7.525297	-5.00239	0.000131	0.000782	0.663833	8.124408	8.119682	8.118203	8.132255	8.124558	8.124534	8.112589	8.108474	8.130426	8.123066	8.079019	8.094974	8.088363	8.070956	8.060691	8.081741
NFATC1	cg1259456	-0.05638	7.365263	-3.46602	0.00319	0.01039	-2.52212	8.030154	8.039866	8.017674	8.019309	8.021876	8.022161	7.976742	8.017759	8.028415	8.013842	7.978422	7.995635	7.94458	7.96596	7.971476	7.970816
EPHA2	cg2449457	-0.0563	7.580604	-5.04621	0.00012	0.000728	0.742047	8.162986	8.157664	8.162846	8.153679	8.17267	8.173925	8.158111	8.166606	8.135526	8.157318	8.113472	8.10743	8.116927	8.121461	8.101757	8.127052
ALOX15	cg0571513	-0.0563	7.841545	-3.94674	0.001157	0.004539	-1.63538	8.357283	8.357822	8.351727	8.349879	8.337231	8.320889	8.331383	8.346903	8.321444	8.349091	8.279423	8.284757	8.288053	8.311453	8.284996	8.324638
JDP2	cg2510220	-0.0563	7.837814	-5.9022	2.24E-05	0.000188	2.36964	8.333434	8.340529	8.33927	8.330064	8.338185	8.329253	8.342488	8.333519	8.349896	8.331321	8.281283	8.306706	8.299285	8.295251	8.291998	8.311221
AGTR1	cg0306823	-0.05618	7.599948	-4.82836	0.000186	0.001042	0.289171	8.162692	8.16088	8.181355	8.171625	8.180594	8.171154	8.167853	8.171661	8.1783	8.166032	8.148737	8.111024	8.14172	8.128978	8.118895	8.137683
TSC1	cg0875624	-0.05616	7.949721	-3.79987	0.001577	0.00583	-2.00268	8.420402	8.425766	8.424013	8.411901	8.390949	8.422175	8.427979	8.417014	8.434902	8.402801	8.366906	8.37507	8.366376	8.353192	8.409403	8.398901
CTDSPL	cg1555521	-0.05615	7.768658	-3.18886	0.005718	0.016665	-3.18815	8.302867	8.303722	8.292678	8.276568	8.278247	8.288537	8.29088	8.296408	8.287698	8.273897	8.221297	8.25344	8.221893	8.221877	8.27321	8.285841
NDRG4	cg0419080	-0.05614	7.725454	-3.62248	0.002293	0.007926	-2.27224	8.271797	8.251976	8.263068	8.235644	8.224516	8.26185	8.250351	8.264194	8.270154	8.262981	8.201987	8.227707	8.208842	8.215886	8.25609	8.216462
WNT5A	cg2074648	-0.05614	7.899694	-3.50908	0.002913	0.009635	-2.58981	8.376547	8.33453	8.364155	8.414329	8.377877	8.370501	8.391186	8.396099	8.382335	8.382441	8.361477	8.357607	8.35187	8.338219	8.327685	8.339102
NDRG2	cg2355297	-0.05612	7.468874	-3.97664	0.001087	0.004314	-1.46376	8.09515	8.08569	8.088167	8.082265	8.069788	8.080188	8.083209	8.095833	8.062739	8.088374	8.016023	8.039089	8.047917	8.037005	8.063364	8.059507
HEPACAM	cg0614262	-0.05611	7.35033	-2.64081	0.017815	0.041785	-4.19279	8.02811	8.032717	8.007513	7.998668	8.035496	7.975506	8.023004	8.009169	7.977681	7.994058	7.944551	7.94687	7.940676	7.97289	7.984408	7.990202
FAM172A	cg2639808	-0.0561	7.874752	-4.97242	0.000139	0.000821	0.491638	8.374684	8.370363	8.370183	8.39018	8.364763	8.353234	8.37649	8.359522	8.341916	8.364182	8.321319	8.30954	8.306723	8.3215	8.327901	8.325555
AJAP1	cg0917574	-0.05606	7.839504	-5.03981	0.000121	0.000735	0.642288	8.330455	8.318477	8.339887	8.322158	8.340895	8.332175	8.349823	8.344553	8.327458	8.353497	8.307742	8.310512	8.284977	8.302034	8.318595	8.289739
FOXP1	cg0452638	-0.05606	7.92894	-3.84855	0.001423	0.00536	-1.88972	8.390814	8.408367	8.398079	8.372886	8.386322	8.440372	8.398583	8.412787	8.410273	8.402961	8.360735	8.378704	8.355267	8.352238	8.378407	8.358553
TET2	cg1855704	-0.05602	7.917587	-5.12522	0.000102	0.000646	0.781235	8.380257	8.38617	8.412601	8.39884	8.385506	8.400466	8.39909	8.41063	8.381381	8.393546	8.35824	8.339579	8.349409	8.353309	8.354959	8.369193
CACNA2D3	cg0873095	-0.05598	7.595707	-4.79606	0.000199	0.001096	0.221294	8.165818	8.144818	8.148705	8.161766	8.144848	8.168546	8.178486	8.177105	8.167979	8.17905	8.127522	8.152579	8.131255	8.13127	8.151702	8.12135
CDH5	cg2653579	-0.05588	7.410266	-3.41364	0.003563	0.011353	-2.6363	8.033291	8.037423	8.025616	8.060146	8.063432	8.037911	8.037957	8.03296	8.059555	8.04983	8.021297	8.021813	8.026614	7.982298	7.993713	7.996148
NDRG4	cg0847129	-0.05587	7.825206	-5.24766	8.01E-05	0.000526	1.076907	8.33927	8.341344	8.336103	8.335626	8.327135	8.336411	8.334115	8.332987	8.31068	8.318873	8.27517	8.269919	8.275132	8.282315	8.307813	8.287239
IGF2R	cg2023437	-0.05585	7.807788	-3.04177	0.007782	0.021386	-3.50456	8.335569	8.339839	8.331335	8.318869	8.303252	8.306689	8.314833	8.319476	8.28869	8.326225	8.248087	8.243821	8.271816	8.256094	8.295654	8.312111
ZNF366	cg0404022	-0.05582	7.865204	-4.3183	0.000532	0.002417	-0.8664	8.348298	8.368255	8.370632	8.33688	8.369131	8.350691	8.353615	8.356126	8.354015	8.36553	8.30491	8.323948	8.307327	8.345526	8.315033	8.298108
MAP2K4	cg1880067	-0.05569	7.826875	-3.57793	0.002519	0.008584	-2.40575	8.335846	8.290644	8.340223	8.326194	8.331964	8.352868	8.330042	8.319341	8.345737	8.324218	8.316943	8.291849	8.288338	8.273594	8.284552	8.276854
PTPRT	cg2762505	-0.05567	7.801221	-5.35046	6.53E-05	0.000444	1.291415	8.311608	8.305575	8.309786	8.3051	8.295013	8.305092	8.326241	8.313586	8.299591	8.320781	8.259411	8.264702	8.276197	8.294354	8.276009	8.273624
TP53BP2	cg2106287	-0.05567	7.870935	-3.64491	0.002187	0.007644	-2.28759	8.364283	8.37085	8.370589	8.34093	8.359806	8.352454	8.371838	8.374697	8.365403	8.337629	8.309308	8.30617	8.297835	8.323124	8.331212	8.357949
FAM172A	cg0194836	-0.05561	7.645615	-3.63969	0.002211	0.00771	-2.20972	8.210892	8.217627	8.230244	8.185321	8.222463	8.219141	8.178232	8.214551	8.187485	8.200496	8.168765	8.131392	8.1456	8.146617	8.173193	8.167397
PAX6	cg0246825	-0.05552	7.751091	-3.83688	0.001458	0.005472	-1.82957	8.272234	8.287335	8.2623	8.259612	8.258498	8.304462	8.278712	8.2852	8.279809	8.264007	8.228999	8.25382	8.219251	8.232391	8.256989	8.227219
PEA15	cg2320890	-0.05552	7.830723	-3.41132	0.00358	0.011393	-2.7529	8.345711	8.348833	8.3544	8.331848	8.332054	8.337384	8.344501	8.338495	8.329045	8.295781	8.276481	8.276879	8.2495	8.308985	8.297774	8.305932
DAB2IP	cg1359551	-0.0555	6.772819	-2.79458	0.012999	0.032422	-4.11587	7.663623	7.684093	7.67731	7.650844	7.645925	7.64978	7.667646	7.67011	7.650403	7.651188	7.603503	7.59829	7.623886	7.644915	7.651375	7.642462
HIPK2	cg2216425	-0.05543	7.881342	-3.42288	0.003494	0.01119	-2.75637	8.373298	8.387164	8.385866	8.372038	8.346248	8.363992	8.3673	8.382619	8.365748	8.353706	8.316056	8.314852	8.298336	8.349399	8.315417	8.362153
BMPR1A	cg1852512	-0.05542	7.673364	-4.27556	0.000581	0.0026	-0.88303	8.227701	8.232149	8.225465	8.227967	8.195572	8.208028	8.222226	8.223881	8.230514	8.214018	8.168785	8.175188	8.173676	8.177007	8.201858	8.200304
SRGAP3	cg1475560	-0.05541	7.766713	-4.73915	0.000223	0.001205	0.057049	8.288277	8.296635	8.297575	8.289741	8.283075	8.281277	8.297521	8.28913	8.275148	8.279433	8.227818	8.236803	8.23765	8.271807	8.255751	8.238974
PLEKHO1	cg1133531	-0.05539	7.626701	-5.65217	3.62E-05	0.000273	1.949486	8.203867	8.193215	8.200984	8.185724	8.20307	8.20804	8.189622	8.1876	8.175139	8.180863	8.137469	8.140698	8.140837	8.138621	8.160489	8.145233
FAS	cg1979140	-0.05538	7.801001	-6.18521	1.32E-05	0.000122	2.933519	8.314202	8.320503	8.315013	8.307712	8.319835	8.321241	8.308045	8.31851	8.300578	8.30498	8.265839	8.270415	8.255775	8.25897	8.275276	8.277595
CHD5	cg1732025	-0.05537	7.122731	-2.87777	0.010946	0.028233	-3.72656	7.858133	7.835776	7.853809	7.86308	7.883762	7.881447	7.843729	7.872003	7.873961	7.862087	7.844574	7.828506	7.856454	7.807015	7.823588	7.805003
HRASLS2	cg0351031	-0.0553	7.887759	-3.39919	0.003673	0.011627	-2.81157	8.385551	8.377439	8.374274	8.344243	8.38073	8.348693	8.387312	8.384112	8.352211	8.382404	8.328513	8.305591	8.320491	8.339385	8.358239	8.358832
PPP2R5C	cg1167102	-0.05528	7.88849	-5.42826	5.61E-05	0.00039	1.408488	8.389885	8.379706	8.36973	8.362815	8.363038	8.364008	8.364164	8.369	8.384528	8.384291	8.325867	8.32727	8.342704	8.333953	8.344352	8.330793
PRKCE	cg0207376	-0.05522	7.8608	-2.84498	0.011715	0.0298	-3.93096	8.368836	8.363153	8.351606	8.340777	8.373644	8.301256	8.352911	8.347604	8.389235	8.336441	8.314215	8.314596	8.296352	8.316754	8.346531	8.303931
G0S2	cg0661605	-0.05517	7.351557	-4.28161	0.000574	0.002574	-0.81075	8.011124	7.995287	7.999856	7.992594	8.004209	7.980637	8.00217	8.018843	8.016136	8.007783	7.963927	7.978213	7.967178	7.999738	7.975127	7.959742
ALPL	cg0636907	-0.0551	7.887341	-3.22988	0.005246	0.015605	-3.16137	8.382177	8.377056	8.372737	8.390739	8.348384	8.358858	8.377743	8.390558	8.381671	8.346194	8.330157	8.331818	8.299074	8.331495	8.373312	8.331366
CBFA2T3	cg2763597	-0.05503	7.740094	-4.69148	0.000246	0.001307	-0.03294	8.265238	8.275363	8.271229	8.260768	8.27189	8.261613	8.272118	8.256349	8.265062	8.279062	8.217694	8.253249	8.211418	8.238249	8.217945	8.230023
FOXP1	cg2186067	-0.055	7.108445	-3.39869	0.003677	0.011633	-2.66312	7.855958	7.85681	7.850398	7.843553	7.833787	7.842054	7.877063	7.866938	7.842282	7.846847	7.816361	7.808355	7.799197	7.849033	7.827569	7.838233
TGFBR2	cg0342058	-0.05498	7.870814	-4.52525	0.000346	0.00172	-0.43295	8.357764	8.378516	8.363333	8.376444	8.369264	8.373454	8.363644	8.342465	8.345187	8.372517	8.322541	8.333544	8.306191	8.291409	8.324052	8.312568
MCC	cg0755634	-0.05495	7.599403	-3.43608	0.003398	0.010956	-2.62543	8.180082	8.183723	8.171735	8.15296	8.144057	8.167163	8.173186	8.17986	8.170646	8.167252	8.126833	8.113563	8.121708	8.175076	8.142535	8.123011
MYH9	cg2146192	-0.05494	7.758056	-3.92508	0.001211	0.004709	-1.6464	8.285804	8.300293	8.269019	8.266102	8.283449	8.267075	8.264425	8.296347	8.291064	8.275468	8.229335	8.252006	8.227367	8.265951	8.228107	8.247301
SYNM	cg2030198	-0.05493	7.696275	-4.21077	0.000665	0.002901	-1.0256	8.228426	8.22885	8.245674	8.210834	8.24772	8.242508	8.234032	8.257677	8.246601	8.218713	8.189131	8.200171	8.194246	8.21297	8.208012	8.192636
RAB7A	cg0200575	-0.05482	7.811191	-3.44513	0.003334	0.010776	-2.67474	8.353193	8.312359	8.315462	8.33823	8.296665	8.31737	8.317577	8.315416	8.317168	8.313707	8.26825	8.282969	8.260176	8.301013	8.293195	8.247911
ABI2	cg2516313	-0.05481	7.590746	-3.91707	0.001232	0.00477	-1.61371	8.149315	8.167856	8.165723	8.16923	8.157547	8.177935	8.151497	8.167331	8.160523	8.17839	8.11432	8.127738	8.156141	8.128581	8.102224	8.124962
CD82	cg1792229	-0.05479	7.28348	-3.51834	0.002856	0.009503	-2.40829	7.965921	7.957046	7.970925	7.957813	7.938063	7.920192	7.963706	7.963284	7.968634	7.979976	7.917459	7.921353	7.930501	7.933296	7.954973	7.936928
PHLPP2	cg1109842	-0.05475	7.682045	-3.21829	0.005375	0.015899	-3.10011	8.206995	8.217806	8.208551	8.229364	8.230184	8.257741	8.230743	8.222686	8.243223	8.217991	8.199469	8.186335	8.227043	8.177188	8.171015	8.174428
PRKCE	cg1270294	-0.0547	7.831777	-3.92703	0.001206	0.004694	-1.67543	8.326147	8.340094	8.325007	8.313159	8.349323	8.312424	8.33661	8.345214	8.351514	8.311444	8.274515	8.291749	8.30138	8.313309	8.288919	8.304063
GSN	cg1345265	-0.0547	7.872695	-3.45728	0.003249	0.010545	-2.67932	8.373611	8.38094	8.37402	8.345785	8.371501	8.360274	8.377329	8.364495	8.361325	8.334047	8.297618	8.301414	8.30657	8.357489	8.324869	8.323326
DUSP26	cg2090935	-0.05466	7.491671	-3.46889	0.003171	0.010336	-2.53119	8.095675	8.096415	8.105794	8.099	8.112849	8.14225	8.081923	8.08929	8.083193	8.110238	8.067684	8.050902	8.075074	8.048369	8.035323	8.042409
UNC5B	cg2362216	-0.05466	7.8421	-3.29861	0.00454	0.01386	-2.99977	8.357044	8.314274	8.343609	8.321676	8.338186	8.291939	8.343119	8.341736	8.374276	8.332952	8.292845	8.306804	8.302174	8.329681	8.314601	8.298121
RHOBTB2	cg0921068	-0.05464	7.83426	-3.86389	0.001378	0.005236	-1.80871	8.322626	8.344393	8.341353	8.323336	8.325971	8.338646	8.334041	8.347153	8.33644	8.326162	8.271694	8.296409	8.298536	8.285583	8.285237	8.335773
GSN	cg1449363	-0.05463	7.747004	-3.65114	0.002158	0.007565	-2.21638	8.277451	8.294769	8.29311	8.2702	8.284821	8.261427	8.271533	8.280228	8.25201	8.269087	8.226804	8.209802	8.207933	8.258342	8.219499	8.248328
MTUS1	cg2203850	-0.05458	7.806176	-4.63874	0.000274	0.001422	-0.16655	8.318442	8.327116	8.32852	8.327937	8.297743	8.323321	8.320177	8.309169	8.310872	8.304319	8.254956	8.279474	8.258252	8.276939	8.264377	8.291812
AKAP12	cg1421962	-0.05455	7.742836	-4.09617	0.000846	0.003521	-1.279	8.279237	8.271141	8.276007	8.262026	8.285018	8.274328	8.248067	8.280188	8.281697	8.257631	8.249386	8.22887	8.20477	8.241359	8.220092	8.218501
DOK2	cg0283730	-0.05451	7.482851	-5.72234	3.16E-05	0.000246	2.1158	8.09362	8.084376	8.092192	8.090833	8.106677	8.097733	8.095029	8.093878	8.078321	8.094019	8.060657	8.051204	8.04897	8.04994	8.05767	8.04672
WNT5A	cg1767945	-0.0545	7.923842	-5.441	5.47E-05	0.000382	1.418576	8.410434	8.387299	8.390718	8.411188	8.405497	8.409602	8.407426	8.390298	8.395891	8.397176	8.371561	8.356454	8.359418	8.346459	8.361523	8.345005

STARD13	cg2712431	-0.05449	7.741794	-4.32661	0.000523	0.002383	-0.79461	8.28054	8.280906	8.278683	8.269106	8.272197	8.25319	8.26615	8.270142	8.268341	8.263284	8.231778	8.211157	8.214528	8.217417	8.230267	8.258827
TCF7L2	cg1042096	-0.05444	7.947471	-2.85567	0.011459	0.029275	-3.94743	8.433917	8.444868	8.440994	8.444137	8.448689	8.402921	8.414525	8.423374	8.362413	8.421101	8.3452	8.349955	8.357954	8.408575	8.37112	8.353176
PKD1	cg1691628	-0.05443	7.25298	-3.13293	0.00643	0.018348	-3.20423	7.955411	7.954701	7.959196	7.929288	7.921893	7.921868	7.935367	7.947201	7.953367	7.94288	7.888543	7.903728	7.897106	7.912022	7.946319	7.905029
UVRAG	cg0752433	-0.05441	7.917713	-2.55053	0.021398	0.048427	-4.53556	8.426077	8.350954	8.41345	8.396495	8.367117	8.423977	8.376762	8.417372	8.391933	8.390988	8.365552	8.317513	8.369644	8.355706	8.378168	8.33385
GATA5	cg1266446	-0.05441	7.472339	-3.15605	0.006126	0.017642	-3.17631	8.111054	8.063737	8.104415	8.073443	8.085628	8.081075	8.096715	8.090767	8.069997	8.077514	8.027323	8.048671	8.015603	8.058628	8.066219	8.0604
PPP2R5C	cg0072327	-0.05436	7.452997	-3.60968	0.002355	0.008106	-2.23211	8.085197	8.076301	8.064342	8.075158	8.08754	8.054039	8.039997	8.083292	8.086036	8.074505	8.034044	8.037747	8.044408	8.016196	8.043548	8.024766
NFATC1	cg0727782	-0.05436	7.619148	-2.91691	0.010093	0.026429	-3.69589	8.182056	8.194836	8.196017	8.137207	8.19138	8.175602	8.192582	8.199691	8.173195	8.180143	8.124818	8.140003	8.12385	8.172154	8.150783	8.174583
TBRG1	cg1325885	-0.05435	7.912312	-4.26895	0.000589	0.00263	-0.99169	8.400804	8.408438	8.369548	8.391177	8.392993	8.424554	8.381519	8.391977	8.389662	8.384542	8.345595	8.361374	8.348218	8.342454	8.328259	8.35125
SMAD4	cg1743079	-0.05435	7.930358	-3.33765	0.004182	0.012948	-2.96407	8.394402	8.395866	8.377717	8.412118	8.381299	8.394017	8.440321	8.397995	8.432336	8.374439	8.362968	8.387673	8.354112	8.370099	8.360109	8.386406
PEG3	cg1904100	-0.05434	7.626702	-2.86915	0.011143	0.028625	-3.7933	8.170682	8.185566	8.195917	8.171654	8.213979	8.18156	8.169541	8.190718	8.188534	8.213051	8.181367	8.116441	8.180078	8.143511	8.136143	8.152877
IQGAP2	cg2053545	-0.05433	7.765905	-4.35331	0.000494	0.002285	-0.74854	8.277833	8.291887	8.289788	8.271703	8.282301	8.292498	8.295578	8.292115	8.263725	8.296575	8.226114	8.259398	8.23567	8.264522	8.250405	8.247269
SPTBN1	cg1666725	-0.05431	7.492309	-3.0345	0.007901	0.021641	-3.42777	8.084223	8.122835	8.112293	8.110498	8.092451	8.067704	8.080677	8.101101	8.084746	8.125168	8.037457	8.06875	8.061789	8.080432	8.048409	8.06419
SEMA3F	cg2738577	-0.05429	7.73572	-2.57818	0.020233	0.046222	-4.39616	8.287766	8.285712	8.282688	8.246415	8.249002	8.243065	8.264305	8.278411	8.260268	8.253422	8.210087	8.200633	8.187163	8.22899	8.252715	8.268454
MAL	cg0531442	-0.05427	7.619734	-5.05351	0.000118	0.00072	0.747037	8.195608	8.196834	8.174555	8.188966	8.176699	8.203657	8.170862	8.181711	8.189377	8.18225	8.141412	8.148082	8.146978	8.128839	8.146386	8.142812
TET2	cg1236938	-0.05419	7.92242	-2.86969	0.011131	0.0286	-3.91233	8.422278	8.411302	8.399305	8.364009	8.424331	8.370967	8.407738	8.400115	8.410763	8.374306	8.340611	8.337562	8.345269	8.354038	8.388321	8.37906
ATF3	cg2297512	-0.05419	7.792356	-2.8249	0.012211	0.030814	-3.9364	8.319259	8.318452	8.3187	8.27629	8.298039	8.28672	8.321347	8.313767	8.304384	8.283866	8.244151	8.248962	8.231528	8.292367	8.283988	8.29507
PTPRC	cg1367309	-0.05418	7.891587	-2.55733	0.021105	0.047882	-4.50985	8.386493	8.405018	8.38671	8.354429	8.367477	8.341385	8.379363	8.376513	8.344378	8.409566	8.320866	8.313132	8.317109	8.335221	8.355774	8.379319
GLTSCR2	cg2217730	-0.05412	7.789703	-4.64698	0.00027	0.001405	-0.144	8.292003	8.293883	8.299268	8.32268	8.30116	8.308109	8.313666	8.301919	8.288863	8.306678	8.270039	8.260421	8.273239	8.249235	8.277344	8.247774
SGMS1	cg1378416	-0.05409	7.799752	-2.65852	0.017184	0.040619	-4.26419	8.322059	8.310845	8.343258	8.309709	8.297378	8.333586	8.328742	8.320361	8.272976	8.295156	8.243234	8.241173	8.248702	8.255148	8.291873	8.307192
SIRT1	cg2470533	-0.05407	7.919589	-3.73664	0.001802	0.006503	-2.12093	8.403086	8.386893	8.406768	8.387963	8.366435	8.395383	8.405248	8.391703	8.371926	8.428812	8.339829	8.361601	8.352691	8.362416	8.360464	8.375317
BTG3	cg1693489	-0.05405	7.460982	-4.57654	0.000312	0.001577	-0.20654	8.07861	8.061773	8.060893	8.069391	8.076939	8.056052	8.080388	8.071567	8.089172	8.091392	8.063717	8.053846	8.034807	8.049072	8.039888	8.03309
PPP3CC	cg0832588	-0.05403	7.86965	-4.97079	0.000139	0.000823	0.487956	8.35771	8.345378	8.36309	8.374782	8.360141	8.342387	8.361328	8.363513	8.372655	8.349376	8.320571	8.31918	8.328806	8.302964	8.328863	8.32818
DNAJB1	cg0690590	-0.05402	7.376682	-3.10152	0.006867	0.019346	-3.27694	8.021628	8.014261	8.013535	7.976137	8.035229	8.02455	8.036121	8.037014	8.012804	8.02062	7.970823	7.97919	7.992008	7.984605	7.992394	8.020702
UVRAG	cg0888176	-0.05399	7.871486	-4.17643	0.000715	0.00307	-1.16691	8.378806	8.366896	8.357065	8.37515	8.348583	8.360758	8.348714	8.356456	8.377881	8.354769	8.3157	8.322048	8.324302	8.294983	8.345216	8.31306
ITGA7	cg1576752	-0.05396	7.414416	-3.25252	0.005002	0.01502	-2.96976	8.064509	8.049459	8.067273	8.045824	8.046811	8.059367	8.054075	8.056205	8.036045	8.018238	7.984995	7.989265	7.994734	8.042909	8.014417	7.999549
NRF1	cg2071298	-0.05395	7.387711	-3.30255	0.004502	0.013771	-2.8649	8.052375	8.036722	8.019351	8.012455	8.00398	8.002227	8.015614	8.047754	8.040169	8.032052	7.983824	7.989815	7.983427	8.003611	8.018132	8.004025
NDRG4	cg1038344	-0.05392	7.354339	-3.00019	0.008487	0.022935	-3.48067	8.002949	8.031505	8.006645	7.993258	7.991142	7.99395	8.029528	8.022647	7.993369	7.994755	7.952131	7.954802	7.957222	7.993072	7.990871	7.993774
STARD13	cg1386036	-0.05391	7.815343	-4.10252	0.000834	0.003482	-1.29775	8.29342	8.311849	8.336131	8.308039	8.312419	8.33453	8.321856	8.313681	8.31817	8.34233	8.298934	8.292983	8.280328	8.27061	8.289686	8.272426
ZBTB16	cg0442013	-0.05382	7.284247	-3.14542	0.006264	0.017968	-3.18003	7.954355	7.967313	7.982232	7.944047	7.945527	7.958376	7.968697	7.959305	7.975346	7.957001	7.923938	7.915478	7.920159	7.971701	7.933934	7.910613
PLA2G16	cg0260781	-0.05382	7.932459	-4.22065	0.000652	0.002856	-1.10662	8.396633	8.419054	8.41412	8.407876	8.398693	8.380856	8.407371	8.395152	8.410983	8.41538	8.348052	8.368244	8.374485	8.346307	8.387341	8.37564
PPP2R5C	cg2716170	-0.0538	7.699325	-3.44156	0.003359	0.010845	-2.64132	8.233777	8.241639	8.217609	8.240893	8.252947	8.258775	8.260339	8.237306	8.20239	8.252185	8.213589	8.183909	8.207858	8.190749	8.199783	8.198694
UVRAG	cg0493514	-0.0538	7.878477	-4.45741	0.000398	0.001929	-0.58048	8.359321	8.373655	8.379407	8.355365	8.394144	8.351412	8.367586	8.365991	8.36524	8.360554	8.3248	8.3108	8.329187	8.332676	8.340097	8.310565
CLU	cg2558324	-0.05375	7.128738	-4.95598	0.000144	0.000842	0.590992	7.856809	7.856175	7.858349	7.862012	7.875165	7.854499	7.863721	7.867203	7.865162	7.881681	7.847436	7.8337	7.838673	7.835469	7.82327	7.830657
DAPK3	cg1822638	-0.05367	7.823256	-4.46813	0.00039	0.001894	-0.53059	8.325661	8.326857	8.350599	8.344078	8.314122	8.327565	8.326697	8.322135	8.315668	8.330227	8.262566	8.297905	8.281217	8.290396	8.297456	8.274636
SEMA3B	cg0265772	-0.05366	7.011724	-3.67747	0.002041	0.007218	-2.12861	7.793507	7.786233	7.792064	7.803022	7.807045	7.803245	7.780067	7.796393	7.795982	7.808294	7.766789	7.786827	7.763428	7.745042	7.744994	7.762917
ITGA7	cg2581475	-0.05365	7.260826	-3.1364	0.006384	0.018242	-3.19749	7.95729	7.956074	7.946125	7.928779	7.955188	7.908093	7.949249	7.951828	7.941086	7.963465	7.902105	7.904757	7.909492	7.941467	7.932566	7.904823
CD82	cg0098680	-0.05365	7.848503	-4.05781	0.000916	0.003756	-1.40434	8.355617	8.353695	8.35451	8.331289	8.349064	8.363576	8.352394	8.343902	8.35758	8.309324	8.292261	8.298144	8.287286	8.308805	8.302759	8.316347
FLCN	cg2156728	-0.05364	7.826477	-2.59703	0.019474	0.044843	-4.39669	8.357753	8.350982	8.338168	8.315994	8.311891	8.343025	8.334915	8.345833	8.313096	8.304251	8.255052	8.266216	8.261561	8.295105	8.293554	8.338024
GSK3B	cg1836411	-0.05363	7.7775	-3.06096	0.007476	0.02071	-3.45365	8.312112	8.302665	8.307362	8.283651	8.286049	8.280449	8.29954	8.308577	8.295625	8.269207	8.254971	8.221665	8.22535	8.259715	8.28292	8.278856
JDP2	cg0211408	-0.05363	7.591932	-4.21911	0.000654	0.002863	-0.97925	8.17346	8.16846	8.150966	8.181766	8.1566	8.143277	8.159889	8.166211	8.177032	8.163126	8.135584	8.120725	8.132443	8.109376	8.131255	8.14179
ETS2	cg1536193	-0.05356	7.920685	-3.08161	0.00716	0.020012	-3.47876	8.41446	8.409406	8.424355	8.393018	8.442554	8.372555	8.367749	8.400494	8.409913	8.379948	8.347639	8.353641	8.337242	8.334894	8.346914	8.375448
FABP3	cg1931614	-0.05349	7.774592	-4.28113	0.000575	0.002575	-0.90283	8.311534	8.301942	8.286077	8.287423	8.286615	8.281109	8.28698	8.305323	8.274838	8.29932	8.246639	8.238858	8.239066	8.269284	8.252317	8.268107
PPP2R5C	cg0650184	-0.05346	7.939456	-3.40238	0.003648	0.011566	-2.82956	8.423025	8.409972	8.406483	8.371649	8.448566	8.418737	8.423123	8.402159	8.412502	8.398842	8.36634	8.36977	8.363954	8.351486	8.381858	8.379637
NFATC2	cg0428804	-0.05339	7.801393	-6.0982	1.55E-05	0.000139	2.764704	8.309904	8.313403	8.306126	8.307468	8.308494	8.303497	8.323559	8.307198	8.310061	8.309524	8.271658	8.273821	8.263436	8.266643	8.274613	8.289174
NRF1	cg0130748	-0.05338	7.845925	-3.19715	0.00562	0.016461	-3.20602	8.351959	8.345157	8.369695	8.338466	8.363219	8.310126	8.350415	8.335649	8.339373	8.337021	8.284022	8.282044	8.303988	8.308817	8.339034	8.288162
DCN	cg0244261	-0.05337	6.977443	-3.17067	0.005941	0.017191	-3.20437	7.772873	7.758961	7.765436	7.758018	7.795308	7.775134	7.759253	7.774753	7.790761	7.790897	7.763053	7.746665	7.765855	7.729597	7.73887	7.730755
CBFA2T3	cg2677680	-0.05322	6.809666	-2.9798	0.008855	0.023769	-3.71203	7.669169	7.652416	7.683823	7.687584	7.695812	7.666809	7.676421	7.693274	7.685393	7.677742	7.651108	7.686178	7.636476	7.643797	7.638725	7.653278
TSLP	cg1093119	-0.05309	7.821729	-4.07442	0.000885	0.003655	-1.36101	8.316433	8.317029	8.331846	8.322808	8.291235	8.32208	8.336801	8.336421	8.325171	8.32337	8.26893	8.293646	8.283523	8.318011	8.282523	8.300223
RAP1A	cg2418357	-0.05307	7.908896	-4.49828	0.000366	0.0018	-0.5122	8.398133	8.391843	8.377041	8.387889	8.356522	8.393944	8.405395	8.381027	8.383251	8.392791	8.341261	8.347914	8.343274	8.36837	8.355121	8.348461
DOK2	cg0828813	-0.05304	7.735904	-3.30502	0.004479	0.013711	-2.93616	8.286546	8.276531	8.262877	8.238129	8.282157	8.24882	8.271329	8.25583	8.278338	8.249461	8.229938	8.222816	8.193381	8.227094	8.230965	8.246423
CTNND1	cg0965673	-0.05303	7.881934	-3.95198	0.001145	0.004497	-1.64788	8.360575	8.368942	8.358591	8.36705	8.390044	8.335262	8.367463	8.382561	8.369665	8.36746	8.322352	8.339002	8.331229	8.332476	8.313354	8.354514
STARD13	cg0739061	-0.05301	7.968417	-3.60079	0.0024	0.008245	-2.43119	8.446579	8.423836	8.436008	8.451249	8.407484	8.409741	8.437212	8.443443	8.426613	8.425846	8.379433	8.393626	8.372748	8.421974	8.409941	8.380764
MADD	cg2007504	-0.053	7.782628	-3.13549	0.006396	0.018264	-3.30479	8.303799	8.310174	8.313258	8.27514	8.287945	8.273158	8.309596	8.301064	8.305542	8.282444	8.234859	8.252769	8.236299	8.285591	8.26706	8.287769
SFRP5	cg2439032	-0.05293	7.787834	-3.41253	0.003571	0.01137	-2.73807	8.284754	8.306079	8.296155	8.291359	8.263901	8.262729	8.31332	8.310455	8.305788	8.31608	8.250272	8.267665	8.263167	8.255875	8.298571	8.299021
NFATC1	cg0597079	-0.05292	6.85755	-2.58118	0.020111	0.04604	-4.46871	7.691301	7.676111	7.726897	7.715798	7.728636	7.708065	7.719612	7.698474	7.721681	7.687567	7.670968	7.697145	7.681133	7.67782	7.644808	7.678053
HOPX	cg1693606	-0.05292	7.868454	-5.13673	9.99E-05	0.000633	0.827233	8.357704	8.354164	8.36139	8.354251	8.328166	8.361588	8.367015	8.34881	8.366613	8.367503	8.324816	8.311382	8.326594	8.317636	8.326952	8.330436
CBFA2T3	cg0153457	-0.05291	7.543584	-5.20183	8.77E-05	0.000567	1.064315	8.120853	8.128665	8.117104	8.125569	8.118897	8.104233	8.143612	8.140055	8.126043	8.14938	8.092419	8.0957	8.105281	8.104703	8.106833	8.110047
PRDM2	cg0759620	-0.05287	7.253061	-3.83009	0.001479	0.005527	-1.75332	7.912168	7.935961	7.931693	7.942565	7.953507	7.939765	7.943268	7.943115	7.942338	7.958727	7.923168	7.908995	7.931905	7.90148	7.904922	7.900711
BTK	cg1394747	-0.05286	7.573761	-4.69285	0.000245	0.001304	0.015507	8.163364	8.151727	8.15431	8.163071	8.133013	8.156888	8.15249	8.159655	8.148734	8.145831	8.117638	8.096969	8.111231	8.126191	8.108439	8.125459
NEDD4L	cg1524562	-0.0528	7.878024	-4.24449	0.00062	0.002739	-1.02492	8.376432	8.355192	8.375907	8.386933	8.389592	8.368518	8.36446	8.382664	8.336971	8.355805	8.317832	8.320018	8.31523	8.309606	8.328852	8.331907
EPHA2	cg0721811	-0.05277	7.760349	-3.94928	0.001151	0.004521	-1.5951	8.287299	8.292926	8.296704	8.259727	8.280658	8.290255	8.274657	8.279613	8.261815	8.303606	8.245983	8.239608	8.221946	8.251112	8.255341	8.23372
RASSF1	cg2137220	-0.05272	7.604152	-3.56599	0.002583	0.008764	-2.35298	8.193037	8.179294	8.194194	8.181716	8.175272	8.170835	8.169906	8.163473	8.157561	8.179262	8.129541	8.141324	8.102454	8.106835	8.153711	8.14713
HIVEP3	cg2453322	-0.0527	7.499835	-3.61853	0.002312	0.007975	-2.22116	8.076736	8.107587	8.091252	8.113593	8.103991	8.112558	8.106241	8.090455	8.111888	8.106131	8.065513	8.09028	8.07935	8.047018	8.053006	8.066699
NRCAM	cg1031478	-0.05268	7.855969	-3.12047	0.0066	0.018729	-3.37201	8.348626	8.325662	8.340833	8.340954	8.34841	8.352778	8.367872	8.314646	8.380961	8.352783	8.334918	8.310555	8.338289	8.296738	8.315114	8.292911
TBX5	cg1645843	-0.05267	7.351075	-5.52228	4.66E-05	0.000334	1.733459	7.992075	8.003849	7.996964	7.993607	7.989806	8.007661	8.005083	8.009487	8.012333	8.012012	7.979322	7.981277	7.965497	7.971978	7.980856	7.965544
DDR2	cg1150131	-0.05261	7.489053	-4.83338	0.000184	0.001034	0.321252	8.08771	8.093583	8.082744	8.073091	8.087353	8.085782	8.09028	8.1089	8.120601	8.087091	8.067244	8.064451	8.059331	8.068567	8.061083	8.069489
NFATC1	cg0693797	-0.05248	7.763489	-2.83239	0.012023	0.030396	-3.90927	8.297387	8.307447	8.288679	8.257553	8.259815	8.282156	8.291856	8.294749	8.285234	8.267389	8.223269	8.218707	8.231605	8.259178	8.262207	8.283393
TRIM3	cg0155221	-0.05243	7.908782	-3.82566	0.001493	0.00557	-1.92955	8.380094	8.399973	8.380099	8.36476	8.367499	8.37278	8.393553	8.398477	8.398377	8.386494	8.365736	8.329605	8.337312	8.377046	8.34231	8.37684
IGFALS	cg2706587	-0.05241	7.485182	-4.64178	0.000272	0.001415	-0.07248	8.112139	8.097159	8.097503	8.11705	8.08625	8.105934	8.083334	8.092553	8.08624	8.085519	8.051166	8.044968	8.053403	8.054692	8.065765	8.033346
RUNX3	cg1095187	-0.05238	7.196159	-2.94894	0.009443	0.025058	-3.57774	7.905391	7.926906	7.913185	7.881574	7.933027	7.932042	7.897752	7.929969	7.89279	7.888704	7.848969	7.862071	7.869724	7.887231	7.873946	7.866737
HIVEP3	cg1185086	-0.05227	7.821146	-3.03556	0.007883	0.021603	-3.52555	8.324717	8.344743	8.34004	8.327814	8.303535	8.306598	8.326947	8.336712	8.32676	8.308939	8.260684	8.281839	8.264731	8.330315	8.298533	8.280991
MCPH1	cg1493859	-0.0522	7.893274	-4.3075	0.000544	0.002462	-0.90288	8.38169	8.371412	8.387603	8.405393	8.354143	8.36495	8.364285	8.388358	8.379769	8.372004	8.327268	8.335911	8.339318	8.340616	8.335885	8.342906
NDRG4	cg1417935	-0.0522	7.468443	-3.08131	0.007164	0.02002	-3.32814	8.089913	8.099281	8.106553	8.07732	8.08194	8.067618	8.087795	8.090137	8.059362	8.076321	8.031616	8.025236	8.013931	8.068146	8.061817	8.053128
ZMYND11	cg1622836	-0.05219	7.920729	-4.11913	0.000806	0.003391	-1.31273	8.411329	8.398775	8.399621	8.424183	8.368401	8.39347	8.393457	8.393135	8.380861	8.412457	8.360258	8.34891	8.349583	8.353433	8.35916	8.362789
ALPL	cg2456025	-0.05217	7.797432	-3.16562	0.006004	0.017352	-3.2478	8.323008	8.321831	8.315146	8.289937	8.303354	8.307562	8.316554	8.30533	8.329623	8.274223	8.260971	8.262099	8.241384	8.280884	8.263597	8.298784
FLNA	cg1587969	-0.05214	6.750571	-2.80784	0.012649	0.031747	-4.10548	7.645191	7.677036	7.637308	7.642391	7.647571	7.629528	7.657888	7.629319	7.666785	7.640391	7.607235	7.621607	7.615842	7.613636	7.648209	7.601789
HIVEP3	cg2673114	-0.05212	7.806425	-4.90008	0.000161	0.000925	0.371439	8.312606	8.305925	8.318276	8.319847	8.30898	8.288324	8.312252	8.320906	8.303121	8.332889	8.268742	8.282503	8.277026	8.287422	8.277389	8.279532
HIVEP3	cg0499183	-0.052	7.52593	-3.03901	0.007826	0.021464	-3.4232	8.135229	8.10662	8.129592	8.149581	8.132692	8.142505	8.102354	8.0977	8.130169	8.119141	8.098511	8.083007	8.094873	8.041517	8.071538	8.066641
SMARCA2	cg1536530	-0.052	7.845734	-3.74761	0.001761	0.006388	-2.05571	8.34447	8.363481	8.366635	8.335194	8.333162	8.365808	8.345222	8.345799	8.333717	8.322402	8.288151	8.288975	8.279388	8.324603	8.311815	8.296128
SPARC	cg0152469	-0.052	7.746714	-2.91039	0.01023	0.026698	-3.74491	8.284714	8.288388	8.294222	8.264642	8.270825	8.267288	8.270358	8.288164	8.243385	8.269957	8.235506	8.19372	8.203914	8.239617	8.242911	8.264602
STARD13	cg2412939	-0.05194	7.926926	-3.24823	0.005048	0.015132	-3.14564	8.387775	8.409857	8.377801	8.402739	8.415172	8.37867	8.429129	8.389123	8.394146	8.405561	8.374152	8.368253	8.355421	8.338981	8.39993	8.355208
NDRG2	cg2736281	-0.05189	7.400028	-2.64041	0.01783	0.041811	-4.1979	8.079289	8.063024	8.046425	8.020307	8.043046	8.038701	8.01037	8.058522	8.029796	8.019707	7.98425	7.979019	7.970533	8.023369	7.996764	8.011354
MCC	cg2013797	-0.05187	7.61103	-4.76507	0.000212	0.001154	0.156258	8.182726	8.183987	8.175054	8.183074	8.177835	8.190553	8.195781	8.167723	8.167635	8.168208	8.120756	8.136523	8.145328	8.136792	8.149233	8.138694
GSN	cg1552829	-0.05186	7.434815	-4.62933	0.000279	0.001444	-0.09183	8.071279	8.064749	8.062337	8.054768	8.083268	8.064295	8.057063	8.044626	8.062367	8.055682	8.027339	8.01443	8.023669	8.005772	8.013547	8.031016
NFATC1	cg1848685	-0.05185	7.877403	-4.97471	0.000138	0.000818	0.49177	8.368925	8.354533	8.365048	8.359233	8.362242	8.353937	8.380677	8.361894	8.372169	8.355991	8.318	8.327579	8.327418	8.325741	8.3211	8.353614
DAB2IP	cg1458295	-0.05183	7.698523	-4.08978	0.000857	0.003558	-1.28044	8.241287	8.244736	8.252635	8.218744	8.226497	8.232228	8.232982	8.236453	8.230086	8.257434	8.188336	8.208881	8.18331	8.211205	8.216538	8.201758
RND3	cg1786213	-0.05176	7.892301	-4.84412	0.00018	0.001018	0.217411	8.376135	8.371289	8.379429	8.361603	8.390591	8.389337	8.381718	8.38103	8.364458	8.370584	8.323462	8.346639	8.330757	8.352572	8.334043	8.326583
TCF4	cg1664801	-0.05176	7.464062	-2.58619	0.019907	0.045685	-4.31093	8.078716	8.068245	8.068285	8.07926	8.117772	8.101183	8.059614	8.067488	8.096568	8.074469	8.057731	8.049133	8.068248	8.031796	8.004174	8.021719
PTCH1	cg2209979	-0.05175	7.783758	-4.96667	0.000141	0.000828	0.519121	8.295182	8.307073	8.304064	8.283129	8.286897	8.305471	8.308567	8.282042	8.295815	8.307807	8.258364	8.260999	8.253211	8.253836	8.269463	8.266893
DDR2	cg0212917	-0.05173	7.906217	-4.19564	0.000687	0.002974	-1.14362	8.392045	8.384353	8.37199	8.416964	8.394811	8.381219	8.390407	8.398705	8.373047	8.371082	8.334275	8.353102	8.345878	8.342237	8.358194	8.333151
WNT5A	cg0110906	-0.05173	7.751296	-3.03358	0.007916	0.021657	-3.49836	8.279922	8.286743	8.298681	8.272516	8.262755	8.270126	8.262444	8.296858	8.27608	8.256419	8.224256	8.222134	8.21461	8.276318	8.253614	8.219957
ALPL	cg2335274	-0.05171	7.107571	-2.7393	0.014565	0.03554	-4.00332	7.863422	7.848676	7.846322	7.838285	7.86409	7.842557	7.865354	7.880374	7.834213	7.836843	7.80484	7.808507	7.804956	7.826476	7.82271	7.858773
DAPK2	cg1110006	-0.05166	7.618364	-4.12607	0.000794	0.003355	-1.18037	8.196413	8.184128	8.187506	8.194884	8.18797	8.178169	8.192467	8.167677	8.166086	8.1906	8.138925	8.145351	8.134948	8.12032	8.153771	8.16091
CACNA2D3	cg0220799	-0.05164	7.09599	-4.36671	0.000481	0.002238	-0.63922	7.852382	7.861035	7.85757	7.834449	7.857551	7.858861	7.848434	7.848113	7.835208	7.832531	7.795026	7.806236	7.799715	7.817067	7.82231	7.808488
MTUS1	cg2070387	-0.05163	7.948951	-3.42503	0.003478	0.011155	-2.79092	8.396404	8.423269	8.419461	8.397596	8.409905	8.403856	8.416147	8.441344	8.388273	8.443417	8.371092	8.381667	8.369875	8.384033	8.414193	8.378024
RHOA	cg2439802	-0.05162	6.739535	-2.75954	0.013972	0.034326	-4.20622	7.631918	7.634791	7.623738	7.670082	7.635443	7.612499	7.65625	7.656756	7.647842	7.622866	7.624347	7.61469	7.600971	7.629705	7.598248	7.626035
FOXP1	cg0544129	-0.05157	7.875739	-4.74496	0.000221	0.001196	0.021001	8.374047	8.382067	8.361891	8.368167	8.362641	8.361069	8.361368	8.372914	8.358534	8.35135	8.317061	8.31385	8.310194	8.322182	8.322691	8.349181
SCGB3A1	cg2285906	-0.05154	7.841121	-5.91476	2.19E-05	0.000184	2.393558	8.335031	8.34952	8.34501	8.329392	8.346005	8.331294	8.342366	8.335661	8.341816	8.334178	8.304194	8.294309	8.288668	8.303826	8.306314	8.303866
SRGAP3	cg0325603	-0.05154	7.253263	-4.09274	0.000852	0.003541	-1.20118	7.937514	7.931613	7.938018	7.925096	7.956944	7.927856	7.92818	7.95432	7.954803	7.948444	7.910258	7.915044	7.921904	7.920547	7.900824	7.904821
RASSF2	cg1681874	-0.05151	7.82951	-4.74819	0.000219	0.001191	0.049348	8.338911	8.333886	8.342368	8.339968	8.320549	8.324812	8.339721	8.333474	8.325112	8.316714	8.274233	8.283214	8.282836	8.293495	8.307288	8.302345
CBFA2T3	cg0600935	-0.05151	7.570925	-3.53173	0.002777	0.009295	-2.41669	8.150467	8.156085	8.142375	8.150041	8.167913	8.163014	8.167504	8.151381	8.138102	8.132286	8.106532	8.109236	8.106426	8.082485	8.128776	8.132122
NUMB	cg0987089	-0.05146	7.908484	-3.35672	0.004017	0.01254	-2.90607	8.400982	8.398549	8.404568	8.391749	8.371463	8.412985	8.406859	8.379226	8.381046	8.360737	8.333349	8.322444	8.337278	8.357941	8.333883	8.375117
DLEC1	cg1623672	-0.05145	7.621955	-3.49953	0.002972	0.009797	-2.49979	8.189811	8.176699	8.171971	8.180972	8.184266	8.168046	8.187146	8.182962	8.215289	8.169909	8.182839	8.12965	8.145204	8.147314	8.158456	8.148587
CST6	cg2252451	-0.0514	7.366589	-3.09101	0.00702	0.019694	-3.2971	8.019775	8.012196	8.026682	8.012999	8.011352	7.994797	8.003463	8.040166	8.003509	8.016462	7.946884	8.000853	7.969945	7.994689	7.995178	7.978562
PHLPP2	cg2422349	-0.0513	7.935777	-3.26145	0.004909	0.014794	-3.11713	8.423653	8.427997	8.391375	8.452284	8.406526	8.413986	8.394427	8.412043	8.388721	8.405471	8.369718	8.334427	8.389724	8.366212	8.353975	8.355064
PKD1	cg1958466	-0.05124	7.433159	-3.19629	0.00563	0.016477	-3.08869	8.069182	8.071528	8.04696	8.02645	8.055832	8.064325	8.04905	8.055503	8.061678	8.07221	8.0365	8.040291	7.994704	8.037816	8.023259	8.013471
CXCR2	cg1373941	-0.05114	7.283909	-4.59533	0.0003	0.001527	-0.15072	7.97421	7.971874	7.947884	7.966409	7.952024	7.961973	7.965071	7.949482	7.966482	7.964806	7.923242	7.933797	7.92628	7.916721	7.929594	7.934378
PDSS2	cg1108947	-0.05108	7.928995	-4.45317	0.000402	0.001944	-0.61855	8.404669	8.405638	8.399793	8.367845	8.382044	8.398011	8.407386	8.401459	8.401647	8.421183	8.362124	8.368335	8.353013	8.378737	8.37384	8.379879
MTSS1	cg1878523	-0.05106	7.581337	-2.83873	0.011867	0.030082	-3.84199	8.162021	8.173414	8.166746	8.123061	8.137395	8.141614	8.182492	8.145632	8.153255	8.162801	8.113416	8.11209	8.09535	8.14732	8.135275	8.145435
SRGAP3	cg2568674	-0.05104	7.854553	-2.85297	0.011523	0.029403	-3.90738	8.357293	8.377113	8.369057	8.367389	8.346895	8.327693	8.356094	8.352144	8.329864	8.333303	8.27828	8.293359	8.288122	8.303666	8.31421	8.351896
LSAMP	cg0590956	-0.05102	7.834753	-3.51607	0.00287	0.009529	-2.54032	8.324591	8.345135	8.304321	8.338144	8.329534	8.341256	8.347216	8.334606	8.330803	8.332582	8.296583	8.311767	8.29563	8.312893	8.261383	8.312453
HIVEP3	cg2168132	-0.05101	7.83649	-4.21607	0.000658	0.002874	-1.06637	8.336938	8.351074	8.334838	8.347174	8.319696	8.340673	8.337759	8.345199	8.337273	8.314039	8.293845	8.285927	8.28341	8.321485	8.292848	8.296549
FOXO3	cg0120238	-0.05094	7.920078	-2.80433	0.012741	0.031936	-4.04032	8.40427	8.407904	8.397499	8.365507	8.427498	8.394563	8.41211	8.394395	8.353111	8.414756	8.352443	8.325729	8.356817	8.360616	8.37638	8.35911
ILK	cg1038301	-0.05092	7.925201	-5.00127	0.000131	0.000784	0.524316	8.385152	8.406422	8.401757	8.38998	8.403217	8.415048	8.397619	8.390307	8.394251	8.413978	8.371701	8.360126	8.368617	8.355989	8.349154	8.358277
CUX1	cg1546860	-0.05091	7.824402	-3.58758	0.002468	0.008436	-2.38529	8.32143	8.331679	8.334107	8.331525	8.320703	8.302271	8.340698	8.325629	8.306276	8.341566	8.272176	8.285304	8.289742	8.314083	8.273497	8.30998
ZHX2	cg1443179	-0.05091	7.563171	-4.40143	0.000447	0.002119	-0.58926	8.147468	8.12769	8.163459	8.148412	8.142653	8.142098	8.137802	8.137897	8.155577	8.146584	8.104071	8.124467	8.105397	8.111318	8.094704	8.110974
TCF7L2	cg2029212	-0.05086	7.845656	-2.83237	0.012024	0.030396	-3.94371	8.358273	8.360702	8.358533	8.367368	8.333607	8.332875	8.361183	8.347341	8.333311	8.302172	8.277327	8.286062	8.270967	8.319239	8.314018	8.32144
NDRG2	cg1802026	-0.05077	7.512991	-2.55477	0.021215	0.048108	-4.37883	8.129296	8.133267	8.143638	8.122123	8.101735	8.107764	8.111645	8.122895	8.073869	8.106914	8.05324	8.053105	8.035848	8.077019	8.107769	8.083422
EBF3	cg0269711	-0.05072	7.699763	-3.03012	0.007973	0.021777	-3.48952	8.246076	8.259701	8.253708	8.225663	8.210145	8.240082	8.248526	8.234462	8.244154	8.225826	8.185338	8.175348	8.191945	8.209495	8.211218	8.235588
AJAP1	cg2268721	-0.05071	7.429046	-3.2952	0.004573	0.013934	-2.88449	8.07027	8.036518	8.055996	8.039319	8.061015	8.035531	8.07101	8.065095	8.05212	8.046339	8.021558	8.012365	8.005667	8.028147	8.056817	8.017785
RASL10A	cg1865915	-0.05064	7.233929	-3.63049	0.002254	0.007828	-2.17168	7.931557	7.936416	7.929528	7.923574	7.923964	7.907744	7.925271	7.940518	7.950435	7.916332	7.891091	7.890011	7.897205	7.909538	7.888907	7.921169

PKD1	cg0320280	-0.05063	7.888388	-5.07056	0.000114	0.000702	0.686067	8.391763	8.373756	8.370525	8.382288	8.367971	8.384859	8.365812	8.374578	8.360743	8.375407	8.32844	8.325871	8.336721	8.330748	8.316876	8.348744
SH3GLB1	cg1749339	-0.05062	7.910447	-4.19274	0.000691	0.002989	-1.15405	8.398632	8.375891	8.374085	8.405868	8.38484	8.378725	8.403727	8.381014	8.397474	8.378089	8.34838	8.351304	8.362659	8.329401	8.362241	8.357926
ZHX2	cg2350922	-0.05054	7.672163	-5.18477	9.08E-05	0.000584	0.99988	8.219093	8.221472	8.234307	8.217994	8.224858	8.216697	8.225776	8.198351	8.219161	8.226884	8.188456	8.1773	8.179149	8.180861	8.177851	8.182723
PLCD1	cg0201157	-0.05051	7.828726	-3.6853	0.002008	0.007124	-2.18126	8.329694	8.335961	8.333066	8.329976	8.324054	8.325253	8.350856	8.320884	8.349565	8.297632	8.287908	8.279798	8.286545	8.284009	8.311781	8.303056
SCUBE2	cg2271352	-0.05046	7.872832	-4.09086	0.000855	0.003553	-1.34896	8.372338	8.365068	8.370938	8.35304	8.365419	8.338067	8.359834	8.366027	8.359299	8.361657	8.311445	8.332999	8.298247	8.339757	8.338779	8.322682
FOXO3	cg0171106	-0.05041	7.852999	-2.70304	0.015689	0.037785	-4.20541	8.373584	8.367967	8.360577	8.339113	8.334402	8.322317	8.353828	8.348013	8.355543	8.324861	8.293502	8.290362	8.274211	8.330353	8.342355	8.317296
TGFBR2	cg2365409	-0.05039	7.906981	-3.32975	0.004252	0.013148	-2.95806	8.394652	8.427819	8.37711	8.417367	8.427698	8.38889	8.387405	8.369537	8.371563	8.369262	8.318032	8.356289	8.345603	8.327674	8.327181	8.345325
NNAT	cg2258272	-0.05034	7.775899	-4.15315	0.000751	0.003199	-1.17201	8.299301	8.271134	8.286291	8.290178	8.319778	8.29877	8.29292	8.29701	8.295663	8.277117	8.257714	8.256501	8.265375	8.249265	8.243894	8.249266
FOXP1	cg0777273	-0.05032	7.813659	-4.91823	0.000155	0.000897	0.409179	8.326056	8.330044	8.32958	8.317647	8.324605	8.328568	8.303701	8.327691	8.307028	8.319656	8.290255	8.263384	8.267644	8.270204	8.280776	8.291537
HIVEP3	cg1893869	-0.0503	7.5828	-4.38209	0.000466	0.002181	-0.63539	8.157085	8.152909	8.139036	8.165509	8.145245	8.158124	8.168631	8.153295	8.169847	8.151887	8.113982	8.144167	8.125121	8.114517	8.130578	8.122742
PPP2R5C	cg1866792	-0.0502	7.950224	-3.31715	0.004366	0.013429	-3.0169	8.401979	8.405356	8.399185	8.440513	8.375447	8.418048	8.428739	8.436278	8.424775	8.406741	8.386778	8.37916	8.389695	8.378323	8.413755	8.368635
TNFAIP3	cg1220016	-0.05019	7.924604	-2.6584	0.017188	0.040621	-4.3378	8.348536	8.387641	8.374537	8.3725	8.405639	8.387587	8.408983	8.426216	8.439767	8.367765	8.361511	8.4014	8.368948	8.388124	8.357501	8.358523
PHLPP2	cg0121913	-0.05018	7.919899	-3.24119	0.005123	0.015298	-3.15075	8.395721	8.419253	8.392876	8.417316	8.403416	8.414542	8.416264	8.368862	8.402948	8.365693	8.359417	8.358733	8.340079	8.353009	8.322492	8.37018
ZFHX3	cg2398707	-0.05017	7.921778	-3.18231	0.005797	0.016861	-3.28115	8.377103	8.408251	8.371371	8.392892	8.348306	8.408009	8.399626	8.418968	8.40169	8.397008	8.360233	8.362396	8.363348	8.383734	8.343249	8.385762
RUNX3	cg2080171	-0.05005	7.371706	-4.26342	0.000596	0.002657	-0.84966	8.030594	8.032239	8.015619	8.008389	8.031689	8.024965	8.011353	8.021936	8.002069	8.020975	7.991645	7.962608	7.97311	7.982896	7.990249	7.97983
NFKB1	cg1039595	-0.05005	7.884705	-4.36542	0.000482	0.002242	-0.77653	8.36843	8.373104	8.366162	8.35697	8.381175	8.386515	8.392147	8.353829	8.377046	8.35114	8.330036	8.328144	8.334786	8.334396	8.328351	8.330271
CD82	cg0557326	-0.05	7.892678	-4.20504	0.000673	0.002927	-1.11916	8.376035	8.361648	8.377448	8.35767	8.395625	8.369849	8.378553	8.381457	8.356186	8.392386	8.344147	8.330497	8.342108	8.335527	8.331632	8.353702
STK10	cg1065757	-0.04998	7.859364	-4.06763	0.000898	0.003698	-1.3919	8.359826	8.355298	8.362844	8.329608	8.35705	8.328901	8.346494	8.345305	8.362086	8.358553	8.316646	8.300911	8.312911	8.318506	8.308819	8.336913
ZFHX3	cg2327488	-0.04992	7.9116	-3.48489	0.003065	0.01005	-2.64783	8.382203	8.377338	8.383956	8.388601	8.361341	8.365122	8.402362	8.388629	8.398808	8.398532	8.359405	8.361231	8.347857	8.400243	8.359927	8.328091
NUMB	cg1171753	-0.0499	7.886019	-3.31447	0.004391	0.013487	-2.98295	8.374057	8.384687	8.37519	8.398116	8.385535	8.347771	8.384743	8.377958	8.358929	8.345201	8.331996	8.32327	8.301591	8.348134	8.341718	8.329185
DAPK2	cg2659233	-0.04989	7.238383	-2.73701	0.014634	0.035657	-3.99914	7.916454	7.917427	7.924058	7.938147	7.941792	7.945942	7.921984	7.921893	7.939349	7.953642	7.913335	7.935041	7.908233	7.874733	7.892029	7.884111
DAPK1	cg0210049	-0.04988	7.558024	-5.30459	7.15E-05	0.000477	1.270472	8.138233	8.136868	8.144156	8.150271	8.129209	8.133289	8.138075	8.145238	8.143731	8.142692	8.105947	8.106762	8.105338	8.096278	8.10832	8.120401
LIMD1	cg0991874	-0.04986	7.822855	-2.8251	0.012206	0.030812	-3.94914	8.344854	8.344423	8.32577	8.330061	8.318889	8.304018	8.341237	8.319582	8.297255	8.336809	8.269246	8.281065	8.265071	8.332012	8.281314	8.291862
ZBTB7C	cg1526334	-0.04986	7.863557	-4.90925	0.000158	0.00091	0.365299	8.357817	8.347845	8.348872	8.367862	8.364006	8.34539	8.346513	8.354043	8.365502	8.350113	8.313514	8.332332	8.325299	8.304729	8.311387	8.3136
NR2C2	cg2141901	-0.04985	7.780074	-3.80436	0.001562	0.005798	-1.91037	8.278675	8.296294	8.295384	8.276605	8.292991	8.289723	8.304471	8.314456	8.269651	8.306643	8.254852	8.255043	8.249256	8.286692	8.269124	8.257282
NTRK3	cg0434585	-0.04984	7.734819	-3.13695	0.006376	0.018234	-3.28192	8.277273	8.283989	8.269766	8.255063	8.252568	8.251107	8.265995	8.270686	8.238527	8.271524	8.215107	8.20983	8.203127	8.23951	8.224518	8.259804
PTPRC	cg2639999	-0.04977	7.914556	-5.35296	6.50E-05	0.000442	1.24532	8.401595	8.386892	8.388445	8.387719	8.402868	8.385652	8.394402	8.38432	8.388431	8.396704	8.366167	8.354252	8.343361	8.348153	8.365725	8.343149
FOXP1	cg0539903	-0.04977	7.816676	-4.38656	0.000461	0.002165	-0.69709	8.316516	8.354321	8.323675	8.33454	8.327202	8.323894	8.319458	8.324317	8.313248	8.304471	8.262485	8.27613	8.278856	8.286286	8.293207	8.27426
TRIM3	cg1943624	-0.04969	7.849551	-3.31177	0.004416	0.013553	-2.97201	8.348033	8.356012	8.349999	8.351829	8.315602	8.346825	8.365466	8.346349	8.31732	8.347799	8.28766	8.298054	8.291334	8.320359	8.327352	8.318328
GRIN2A	cg0449834	-0.04969	7.861659	-4.10837	0.000824	0.003452	-1.30756	8.356845	8.35734	8.354585	8.355487	8.341242	8.330202	8.361255	8.356254	8.368133	8.336026	8.299567	8.316173	8.310852	8.337228	8.330064	8.315721
C2orf40	cg0886451	-0.04965	7.027	-2.66665	0.016901	0.040107	-4.1741	7.802155	7.775606	7.8129	7.786046	7.776417	7.78252	7.823523	7.815901	7.796729	7.816499	7.768952	7.779393	7.762519	7.823317	7.785961	7.770832
CD4	cg1687555	-0.04964	7.760756	-4.52459	0.000347	0.001721	-0.38772	8.285625	8.277895	8.275977	8.27979	8.285048	8.27696	8.279858	8.274644	8.275758	8.296323	8.240205	8.232167	8.271711	8.247894	8.244712	8.234644
SOCS3	cg0732150	-0.04962	7.866624	-4.96329	0.000142	0.000833	0.475619	8.364083	8.354661	8.368286	8.348318	8.365123	8.354066	8.34766	8.350729	8.344424	8.37805	8.316893	8.31615	8.323673	8.312529	8.31618	8.323283
CBFA2T3	cg2034099	-0.04959	7.545389	-4.32159	0.000528	0.002404	-0.75315	8.117718	8.12961	8.137058	8.116719	8.132674	8.135736	8.127342	8.1271	8.142426	8.142867	8.092353	8.110045	8.11175	8.095595	8.082912	8.107014
PLAGL1	cg2338046	-0.04956	7.922219	-2.84558	0.0117	0.029777	-3.96036	8.401299	8.384264	8.410445	8.389792	8.41611	8.384238	8.413465	8.383285	8.430897	8.358778	8.364676	8.354526	8.352176	8.341644	8.353995	8.387819
DOK1	cg2146503	-0.04954	7.860933	-5.36258	6.38E-05	0.000435	1.288772	8.338734	8.348414	8.341573	8.362251	8.348431	8.346175	8.361149	8.351796	8.355559	8.353466	8.312673	8.328836	8.327327	8.303858	8.321768	8.316454
MTSS1	cg0057716	-0.04953	7.580178	-3.49529	0.002999	0.009863	-2.49606	8.161724	8.16671	8.168192	8.159413	8.146686	8.130868	8.169168	8.157092	8.151679	8.146797	8.105926	8.107477	8.107954	8.143827	8.123281	8.137737
ZHX2	cg1434291	-0.04952	7.783578	-2.89339	0.010597	0.027494	-3.79393	8.312765	8.318904	8.314866	8.26983	8.304233	8.292152	8.300833	8.299942	8.295238	8.281299	8.245749	8.247547	8.226307	8.291926	8.25647	8.279369
PTCH1	cg0525815	-0.04946	7.957807	-4.20202	0.000678	0.002941	-1.1604	8.439078	8.419246	8.408914	8.415616	8.402023	8.408547	8.421385	8.422274	8.417307	8.448634	8.395359	8.374011	8.390755	8.407644	8.388023	8.383049
SEPT4	cg0781906	-0.04946	7.35618	-5.51245	4.75E-05	0.000339	1.713772	8.004257	7.999768	7.998899	8.00271	8.007065	8.009861	8.019745	7.998453	8.009024	8.012323	7.978073	7.976235	7.981048	7.973092	7.975289	7.973904
FBLN1	cg1969874	-0.0493	7.854348	-3.38909	0.003752	0.011825	-2.8094	8.373247	8.35571	8.356627	8.369646	8.337807	8.379525	8.345475	8.355229	8.3062	8.349848	8.298907	8.285788	8.300787	8.310177	8.320847	8.29815
PRKAR1A	cg2221824	-0.04927	7.825877	-4.14176	0.000769	0.003268	-1.21883	8.320358	8.316336	8.332897	8.329004	8.327396	8.333924	8.343421	8.311076	8.342004	8.314339	8.289194	8.311808	8.284073	8.295263	8.276314	8.289972
AHNAK	cg2208413	-0.04924	7.865176	-4.58136	0.000308	0.001564	-0.31677	8.340811	8.353571	8.359329	8.338437	8.367473	8.351816	8.374722	8.352074	8.345666	8.358271	8.319898	8.319425	8.31408	8.317435	8.316087	8.338217
PEA15	cg1669423	-0.04922	7.588416	-3.29298	0.004594	0.013995	-2.91734	8.163229	8.157579	8.158916	8.163049	8.188673	8.182893	8.150503	8.14295	8.16803	8.166372	8.140048	8.143286	8.129105	8.101878	8.110836	8.106975
MCC	cg2688136	-0.04921	7.82859	-2.55288	0.021296	0.048236	-4.48382	8.348348	8.339583	8.344588	8.313582	8.307089	8.345484	8.330742	8.34162	8.320891	8.314419	8.278073	8.275172	8.265453	8.269861	8.313161	8.341034
DAB2	cg1902088	-0.04916	7.924983	-2.87709	0.010961	0.028259	-3.89736	8.408777	8.418752	8.407703	8.368958	8.41404	8.405019	8.392088	8.392096	8.381693	8.417687	8.374405	8.336229	8.349406	8.388058	8.376222	8.328504
PTCH1	cg2360304	-0.04916	7.920949	-4.40936	0.00044	0.002091	-0.70675	8.405708	8.382553	8.389611	8.389839	8.371506	8.372606	8.403826	8.384678	8.407606	8.413133	8.364948	8.373688	8.3514	8.370486	8.356547	8.373846
PAX6	cg1530179	-0.04915	7.912973	-4.98931	0.000134	0.000797	0.503435	8.393749	8.388861	8.369541	8.374828	8.384431	8.386999	8.396263	8.400594	8.383637	8.396816	8.356878	8.363608	8.339796	8.354408	8.35633	8.372563
MAPK10	cg0912498	-0.0491	7.842919	-3.55096	0.002666	0.008996	-2.46999	8.326336	8.31431	8.363196	8.356853	8.341356	8.338169	8.322219	8.343451	8.351012	8.339897	8.303028	8.316416	8.317185	8.29416	8.288419	8.296301
TRIM13	cg1341620	-0.04909	7.876765	-3.99373	0.001048	0.004186	-1.55605	8.372122	8.359233	8.362689	8.337367	8.36125	8.380851	8.36963	8.361594	8.360954	8.36701	8.320757	8.326541	8.327896	8.346848	8.340975	8.305124
FLNA	cg1539123	-0.04908	7.062452	-3.08862	0.007055	0.019767	-3.31583	7.817665	7.837088	7.831934	7.818453	7.783012	7.820201	7.811579	7.834895	7.836696	7.834302	7.782141	7.789454	7.805986	7.800316	7.80374	7.806832
GNMT	cg0470659	-0.04907	6.758178	-2.72974	0.014854	0.036099	-4.24693	7.643214	7.65031	7.646138	7.642686	7.629479	7.627608	7.664926	7.659165	7.672541	7.636154	7.598805	7.622338	7.640112	7.618231	7.654762	7.640886
ZBTB7C	cg0982727	-0.04907	7.369801	-3.5111	0.0029	0.009602	-2.42867	8.030043	8.034822	8.0235	8.019507	8.00487	8.028483	8.021601	8.023246	8.016729	7.986373	7.971279	7.970074	7.960654	7.988255	7.992297	7.988986
DAPK2	cg2472998	-0.04907	7.774789	-3.06176	0.007463	0.020689	-3.44862	8.310438	8.299545	8.315862	8.279698	8.304768	8.293471	8.299865	8.294398	8.258304	8.287762	8.22702	8.243113	8.226782	8.257397	8.282047	8.257764
CEBPA	cg0662137	-0.04906	7.75755	-3.74682	0.001763	0.006393	-2.01945	8.274158	8.28308	8.296802	8.276681	8.282314	8.293175	8.286339	8.268125	8.292215	8.254606	8.21589	8.261064	8.236917	8.238881	8.239596	8.243667
ING5	cg1177105	-0.04906	7.820788	-4.78626	0.000203	0.001115	0.129699	8.313434	8.330151	8.317781	8.30975	8.316522	8.319922	8.313793	8.330717	8.345239	8.318367	8.296252	8.291365	8.285648	8.281672	8.285297	8.303216
TBX5	cg1421426	-0.04899	7.562698	-4.22291	0.000649	0.002843	-0.96316	8.146006	8.159909	8.143691	8.138702	8.154271	8.132389	8.152311	8.14433	8.134511	8.14024	8.100383	8.089017	8.112182	8.126757	8.111397	8.109353
SGMS1	cg0372733	-0.04893	7.858039	-2.80445	0.012737	0.031935	-4.00877	8.350183	8.356659	8.359071	8.359465	8.350821	8.326255	8.374414	8.34173	8.371312	8.313768	8.298692	8.286851	8.324479	8.307118	8.341762	8.323323
MAP2K4	cg2738050	-0.04892	7.909802	-4.2974	0.000555	0.002505	-0.9338	8.379313	8.3927	8.391287	8.400537	8.380507	8.36282	8.40011	8.38511	8.385094	8.388347	8.349963	8.34408	8.348815	8.371096	8.33804	8.364836
FBP1	cg1398268	-0.04891	7.371837	-2.60992	0.018971	0.043975	-4.25489	8.025864	8.027474	8.03435	7.986154	8.025854	8.005787	8.014008	8.038284	7.989853	8.028399	7.969065	7.971594	7.961352	8.003099	7.996049	8.00462
BMP2	cg0179752	-0.0489	7.080395	-3.05186	0.007619	0.021022	-3.38417	7.833795	7.833264	7.848428	7.832498	7.824774	7.815413	7.842364	7.86144	7.827335	7.822818	7.797537	7.790738	7.789208	7.819184	7.821187	7.825323
UIMC1	cg2540102	-0.04887	7.800997	-3.80283	0.001567	0.005809	-1.92052	8.327982	8.295893	8.30296	8.321044	8.315302	8.300673	8.304689	8.294819	8.333136	8.302344	8.287262	8.276977	8.275999	8.256006	8.264782	8.274488
KANK1	cg0644267	-0.04886	7.915596	-4.34468	0.000503	0.002311	-0.83628	8.382058	8.398706	8.408182	8.38756	8.391406	8.385851	8.384055	8.374331	8.395804	8.412784	8.358956	8.35524	8.364431	8.338264	8.360662	8.35169
LHX6	cg0014225	-0.04883	7.204824	-3.83292	0.001471	0.005502	-1.74666	7.91722	7.914282	7.896831	7.890714	7.890308	7.904679	7.917203	7.916979	7.914728	7.920341	7.868404	7.881585	7.885062	7.885008	7.909182	7.881762
PAX6	cg1577843	-0.04882	7.995903	-5.70679	3.26E-05	0.000251	1.91057	8.45039	8.450889	8.429182	8.453421	8.441161	8.455584	8.452749	8.453161	8.455632	8.451411	8.4294	8.411734	8.417316	8.412005	8.415686	8.409403
FOXP1	cg1797751	-0.04881	7.789146	-3.23749	0.005163	0.015405	-3.09874	8.287819	8.310409	8.319269	8.283866	8.282926	8.277829	8.314572	8.286971	8.321373	8.298803	8.262838	8.272313	8.243302	8.282275	8.264438	8.290934
DAPK1	cg0042723	-0.04876	6.69031	-3.42448	0.003482	0.011161	-2.88709	7.603736	7.600087	7.597155	7.594192	7.63181	7.597451	7.624333	7.629014	7.62887	7.601884	7.596606	7.593881	7.586396	7.595085	7.580629	7.60319
GSN	cg1448592	-0.04875	7.705317	-4.31217	0.000539	0.002442	-0.81688	8.217379	8.2271	8.218982	8.236376	8.237941	8.241395	8.260496	8.241034	8.247173	8.248204	8.214425	8.235534	8.212727	8.214327	8.201686	8.203649
JDP2	cg2152977	-0.04865	7.901171	-4.8034	0.000196	0.001084	0.129239	8.377008	8.389509	8.389314	8.391064	8.382835	8.380568	8.381521	8.390398	8.386155	8.358759	8.346761	8.338701	8.328175	8.336975	8.357269	8.347759
GATA5	cg0248446	-0.04863	7.448095	-2.6761	0.016578	0.039528	-4.13576	8.059347	8.056991	8.038618	8.067428	8.078655	8.058046	8.045132	8.091216	8.062794	8.088325	8.071072	8.051658	8.015182	8.032339	8.018678	8.040004
RASSF1	cg2082620	-0.04858	7.135528	-2.73701	0.014634	0.035657	-4.00284	7.852117	7.858276	7.879017	7.854141	7.856068	7.865754	7.856482	7.90223	7.882233	7.855086	7.852063	7.816695	7.839005	7.845168	7.831677	7.87022
RPS6KA2	cg2020643	-0.04855	7.515073	-5.06639	0.000115	0.000707	0.794964	8.093378	8.095035	8.110501	8.104695	8.102105	8.105448	8.110083	8.123797	8.128604	8.108609	8.084203	8.091539	8.077489	8.081103	8.088151	8.079266
CHD5	cg0028234	-0.04855	7.928902	-4.60768	0.000292	0.001497	-0.29632	8.390392	8.408612	8.382665	8.375242	8.405101	8.376438	8.414217	8.403687	8.411116	8.405585	8.361287	8.371275	8.370189	8.365597	8.385072	8.377956
PHLPP2	cg2299119	-0.04854	7.915185	-5.25617	7.87E-05	0.000518	1.047204	8.375865	8.396648	8.384818	8.372755	8.387499	8.395029	8.397224	8.38545	8.408001	8.390248	8.368731	8.357705	8.356623	8.356279	8.359198	8.35288
PRICKLE1	cg0904736	-0.0485	7.557637	-3.89089	0.001302	0.005013	-1.66157	8.124329	8.130559	8.126436	8.150776	8.131702	8.134558	8.156234	8.135223	8.146382	8.141543	8.116464	8.101096	8.126911	8.123728	8.087834	8.106942
RASL11A	cg1061749	-0.0485	7.907697	-4.21101	0.000665	0.0029	-1.11135	8.39071	8.38342	8.401962	8.404455	8.398365	8.376717	8.371252	8.390581	8.380448	8.386429	8.332783	8.360014	8.349138	8.327661	8.342161	8.362496
TRIM3	cg1228324	-0.0484	7.869938	-3.88966	0.001305	0.005022	-1.76948	8.35046	8.376219	8.375284	8.3773	8.365719	8.344913	8.361447	8.351688	8.334989	8.371823	8.321008	8.320586	8.304322	8.323167	8.31081	8.332751
FOXP1	cg2406094	-0.04838	7.540704	-2.77704	0.013477	0.033354	-3.95263	8.125261	8.112041	8.124979	8.158258	8.132972	8.143279	8.120219	8.110966	8.131068	8.144523	8.110585	8.110214	8.112512	8.085907	8.072483	8.064088
LEFTY2	cg2066130	-0.04837	7.367121	-3.2963	0.004562	0.013909	-2.87485	8.000196	8.021615	8.003004	8.035416	8.038446	8.026771	8.01345	8.00669	8.014138	8.007712	7.989777	7.981955	7.996834	7.969592	7.971866	7.955678
MAP2K4	cg1080049	-0.04837	7.878425	-3.525	0.002817	0.009404	-2.53815	8.380202	8.364136	8.38779	8.39412	8.379658	8.363559	8.37096	8.355113	8.340523	8.360712	8.322352	8.32243	8.307609	8.292638	8.341451	8.337473
DDR2	cg2274083	-0.04834	7.800437	-3.56365	0.002596	0.008799	-2.42187	8.309457	8.32181	8.319822	8.318317	8.294175	8.315181	8.31508	8.299961	8.314272	8.29615	8.263088	8.289938	8.244589	8.255833	8.294311	8.276144
APC	cg2247191	-0.0483	7.923951	-4.61541	0.000288	0.001475	-0.27371	8.400141	8.417037	8.403594	8.383712	8.397709	8.389025	8.391971	8.393794	8.412478	8.391698	8.360006	8.35422	8.352596	8.377621	8.366287	8.355099
IGF2R	cg1165632	-0.04827	6.759892	-2.60691	0.019088	0.044165	-4.49161	7.644017	7.640445	7.651362	7.645977	7.64923	7.667168	7.644543	7.647922	7.65503	7.666419	7.666898	7.610581	7.626064	7.625324	7.599913	7.621482
HIVEP3	cg1461367	-0.0482	7.538529	-4.4438	0.00041	0.001975	-0.49562	8.11091	8.129618	8.128761	8.126442	8.127346	8.128096	8.115508	8.127872	8.131489	8.140365	8.095403	8.107367	8.100086	8.077405	8.094655	8.093894
SGMS1	cg1767349	-0.04819	7.786629	-4.12287	0.0008	0.003372	-1.23872	8.308099	8.309292	8.310771	8.303159	8.298912	8.306605	8.287338	8.301595	8.269622	8.320739	8.259621	8.252166	8.257158	8.251973	8.264459	8.270094
PTGDR	cg0850465	-0.04819	7.347138	-3.54364	0.002708	0.00911	-2.35912	7.994599	8.007473	8.003216	7.976839	8.021438	8.008613	8.003471	8.015921	7.994796	7.990367	7.968269	7.955291	7.966199	7.983805	7.960791	7.976271
ITGA5	cg0752859	-0.04815	7.814633	-4.31613	0.000534	0.002426	-0.84611	8.32423	8.325717	8.307576	8.327981	8.318287	8.320765	8.328505	8.31529	8.314473	8.313241	8.276936	8.291917	8.274711	8.261327	8.283662	8.304637
ALDH1A2	cg2586876	-0.04812	7.509686	-3.3196	0.004344	0.013385	-2.84647	8.094426	8.107699	8.088799	8.120486	8.088858	8.114096	8.088263	8.122886	8.125973	8.109034	8.091682	8.082017	8.084321	8.083108	8.056704	8.068592
PLCD1	cg2150676	-0.0481	7.282636	-5.31918	6.95E-05	0.000467	1.331621	7.953134	7.952858	7.966513	7.958116	7.946328	7.959555	7.960058	7.959655	7.966562	7.964884	7.930435	7.927583	7.933885	7.922938	7.934943	7.933572
FAM172A	cg0395210	-0.04809	7.851698	-3.31838	0.004355	0.013409	-2.95592	8.371557	8.333033	8.373903	8.342289	8.380828	8.339553	8.344806	8.332463	8.325163	8.352474	8.305492	8.292088	8.302748	8.31045	8.288724	8.317797
DICER1	cg2195899	-0.04805	7.937356	-4.92484	0.000153	0.000888	0.36102	8.415712	8.399009	8.402043	8.393501	8.410277	8.428581	8.417954	8.402949	8.409484	8.398495	8.376264	8.367164	8.370868	8.3689	8.366099	8.375727
DIRAS3	cg0408013	-0.04803	7.824498	-4.63978	0.000274	0.00142	-0.17449	8.334866	8.331417	8.334958	8.304973	8.318177	8.329167	8.32866	8.323541	8.320548	8.332105	8.276644	8.288223	8.281852	8.298801	8.300757	8.296813
RARB	cg1095233	-0.04801	7.784224	-3.49195	0.00302	0.00993	-2.56767	8.295849	8.304889	8.298355	8.286222	8.272178	8.288528	8.312229	8.306583	8.276712	8.308822	8.252086	8.247938	8.255096	8.277649	8.290989	8.269962
PTPRK	cg2506186	-0.04798	7.724384	-3.42405	0.003485	0.011168	-2.68439	8.250042	8.256482	8.261374	8.251977	8.254864	8.288327	8.230689	8.258064	8.24574	8.272993	8.233775	8.231729	8.211353	8.209998	8.207455	8.206764
MCC	cg0916777	-0.04793	7.677776	-4.33301	0.000516	0.002356	-0.76315	8.232223	8.210661	8.21702	8.235444	8.218513	8.230613	8.231595	8.203945	8.229349	8.221822	8.191901	8.195615	8.191137	8.17944	8.175183	8.188504
NDN	cg2269406	-0.04791	7.390976	-4.13193	0.000785	0.003321	-1.12842	8.017817	8.014079	8.016732	8.034105	8.025333	8.016283	8.0356	8.030446	8.035841	8.03876	8.000806	8.004865	8.016199	7.977308	8.008254	8.006437
SYNM	cg0209651	-0.04787	7.597469	-3.96795	0.001107	0.004382	-1.50863	8.161409	8.160236	8.169022	8.168696	8.157863	8.176452	8.184884	8.159322	8.157159	8.171936	8.134403	8.128653	8.137002	8.111058	8.143138	8.150729
CBFA2T3	cg0698288	-0.0478	7.090555	-4.36038	0.000487	0.002259	-0.65124	7.828895	7.844925	7.840397	7.823031	7.844212	7.856081	7.839874	7.840158	7.845004	7.84647	7.818796	7.811353	7.812565	7.812757	7.803106	7.814541
VPS53	cg0520203	-0.04779	7.830464	-2.72581	0.014974	0.03636	-4.15014	8.347062	8.332272	8.330898	8.357868	8.289586	8.325808	8.342362	8.330952	8.331211	8.315381	8.269289	8.295276	8.287276	8.291802	8.291509	8.331604
SYNM	cg1984760	-0.04776	7.822793	-3.9995	0.001036	0.00415	-1.51655	8.331246	8.336901	8.328338	8.332305	8.31601	8.308137	8.32625	8.317607	8.337925	8.315099	8.295271	8.282812	8.272888	8.295396	8.275779	8.310241
CBL	cg1697182	-0.04775	7.873299	-3.28779	0.004644	0.014123	-3.03414	8.37719	8.355472	8.375839	8.359103	8.345818	8.347604	8.360831	8.375875	8.339804	8.369369	8.293919	8.317845	8.322648	8.340481	8.333166	8.346096
HPGD	cg2051890	-0.04773	7.850259	-4.21614	0.000658	0.002874	-1.07529	8.345018	8.35581	8.328416	8.347077	8.332423	8.330341	8.35152	8.335301	8.334916	8.366671	8.303067	8.305579	8.32379	8.303501	8.317991	8.314628
NFATC1	cg2610013	-0.04767	7.895328	-3.59327	0.002438	0.008347	-2.40837	8.37487	8.390219	8.38758	8.368896	8.384916	8.348812	8.381873	8.381603	8.35944	8.387129	8.330992	8.337426	8.322361	8.342561	8.362963	8.353541
FOXO4	cg0929420	-0.04763	7.772529	-3.18952	0.00571	0.016654	-3.18607	8.29969	8.300613	8.284135	8.325649	8.30968	8.275756	8.298479	8.286892	8.274768	8.270739	8.249284	8.248592	8.240284	8.221125	8.265267	8.261691
FOXP1	cg1770326	-0.04763	7.881904	-4.34333	0.000505	0.002316	-0.81995	8.366217	8.368881	8.368834	8.379348	8.385368	8.376976	8.349756	8.385263	8.36403	8.352555	8.326981	8.346203	8.318068	8.325126	8.325099	8.321597
SIRT2	cg2272624	-0.04761	7.847585	-4.79167	0.0002	0.001104	0.131995	8.3534	8.348446	8.348715	8.360878	8.359717	8.324173	8.337654	8.334481	8.341925	8.339288	8.297047	8.309803	8.303753	8.297364	8.305724	8.303321
BTG4	cg0528160	-0.04761	7.603481	-3.88017	0.001331	0.005096	-1.69407	8.15593	8.183367	8.186089	8.190808	8.166913	8.165401	8.164151	8.154064	8.181514	8.177542	8.140843	8.144136	8.138976	8.124519	8.133751	8.129573
PLEKHO1	cg1866499	-0.04758	7.246953	-4.52729	0.000345	0.001714	-0.29104	7.92469	7.926969	7.932939	7.933512	7.926861	7.934663	7.941473	7.94246	7.937606	7.947715	7.904793	7.909549	7.92188	7.926718	7.904983	7.895993
ARHGEF12	cg0206502	-0.04757	7.922786	-3.69855	0.001953	0.006962	-2.204	8.391169	8.378043	8.386917	8.411395	8.399531	8.362056	8.39799	8.417441	8.408869	8.383813	8.357602	8.370852	8.367969	8.352336	8.377809	8.369631
FLNA	cg0914305	-0.04752	7.753918	-3.9864	0.001065	0.004237	-1.51613	8.269884	8.258007	8.283573	8.255739	8.261588	8.294968	8.27166	8.292075	8.278895	8.272581	8.246106	8.248245	8.231108	8.2541	8.237001	8.246642
CD82	cg0886232	-0.04752	7.394415	-2.9709	0.009021	0.024128	-3.54308	8.045638	8.033186	8.055597	8.02545	8.022286	8.025186	8.038801	8.040097	8.029984	8.012329	7.986615	7.988798	7.970459	8.008174	8.026563	8.005938
CD82	cg2628448	-0.04747	7.680996	-4.13701	0.000776	0.003297	-1.17659	8.212337	8.231566	8.231087	8.222109	8.206098	8.227319	8.225604	8.216449	8.223162	8.240602	8.181952	8.194851	8.199465	8.179491	8.209821	8.186559
PTCH1	cg1159689	-0.0474	7.950083	-4.27825	0.000578	0.002589	-0.99175	8.406284	8.42196	8.420475	8.416189	8.438318	8.43197	8.411533	8.434115	8.414998	8.392348	8.382073	8.374605	8.375286	8.368883	8.385804	8.376969
RB1CC1	cg1668308	-0.04738	7.943172	-3.89522	0.00129	0.004974	-1.79996	8.419504	8.421649	8.391388	8.412677	8.386179	8.391014	8.408232	8.417954	8.416588	8.42293	8.380317	8.369633	8.376824	8.391098	8.400637	8.364192
EBF3	cg1435432	-0.04737	7.950575	-2.61438	0.0188	0.043649	-4.43184	8.419085	8.422707	8.416875	8.436752	8.371743	8.413174	8.421578	8.429164	8.437842	8.388779	8.373815	8.367193	8.378053	8.36369	8.4006	8.416752
HIVEP3	cg1520976	-0.04734	7.853833	-3.76398	0.001701	0.006209	-2.02626	8.343579	8.346735	8.353773	8.365463	8.344777	8.362971	8.372343	8.342593	8.32077	8.337259	8.300123	8.302369	8.307172	8.317077	8.322438	8.297962
MLH1	cg1136387	-0.0473	7.896352	-2.56807	0.020652	0.047008	-4.49133	8.387511	8.382203	8.393142	8.361939	8.351884	8.381852	8.403824	8.38264	8.359736	8.366732	8.31148	8.327513	8.323905	8.355341	8.351165	8.386575
NUAK1	cg2007567	-0.04725	7.782483	-4.29341	0.00056	0.002521	-0.88027	8.305182	8.299804	8.293772	8.289666	8.306597	8.278108	8.298186	8.307483	8.294435	8.284105	8.248374	8.250755	8.259347	8.269729	8.261615	8.27719
SMARCA2	cg0707476	-0.04722	7.884532	-3.99758	0.00104	0.004164	-1.55235	8.372445	8.385952	8.364992	8.343929	8.356595	8.371514	8.368225	8.367147	8.387587	8.36023	8.329167	8.322793	8.334919	8.351726	8.342114	8.330966
CLDN23	cg0007481	-0.04719	7.809398	-4.30547	0.000546	0.00247	-0.8651	8.317652	8.302006	8.323692	8.326004	8.328101	8.323438	8.313341	8.31692	8.310355	8.306807	8.265726	8.290607	8.286052	8.268559	8.260609	8.289928
UNC5C	cg1410721	-0.04713	7.421236	-2.83614	0.011931	0.030223	-3.81785	8.021635	8.020151	8.039348	8.041415	8.032991	8.029996	8.044887	8.047243	8.063241	8.086323	8.013852	8.036665	8.064763	8.016098	8.01094	8.024606

PLCD1	cg2647039	-0.04711	7.521644	-3.69263	0.001977	0.007036	-2.06942	8.112122	8.097633	8.132315	8.12688	8.134353	8.10066	8.10756	8.120807	8.119768	8.111687	8.100006	8.082897	8.077444	8.078576	8.076332	8.075568
IKZF1	cg1903583	-0.04711	7.421458	-4.02246	0.000987	0.003998	-1.36111	8.040598	8.063951	8.043327	8.051025	8.034092	8.064649	8.049444	8.058789	8.04656	8.042575	8.016225	8.012318	8.013387	8.009469	8.035531	8.014107
ZHX2	cg2511553	-0.04706	7.596087	-2.84321	0.011758	0.029868	-3.83604	8.181295	8.147022	8.139042	8.184881	8.171759	8.166331	8.172296	8.144755	8.179615	8.17077	8.140517	8.149212	8.154069	8.121249	8.120476	8.11406
PRDM11	cg2682154	-0.04705	7.613164	-2.78656	0.013216	0.032848	-3.95236	8.168286	8.180815	8.160615	8.189021	8.196546	8.197699	8.170376	8.171358	8.201015	8.158269	8.150211	8.155748	8.161976	8.127344	8.144821	8.10945
PTCH1	cg1693549	-0.04701	7.880435	-3.8624	0.001382	0.005248	-1.83558	8.366673	8.372019	8.365226	8.361212	8.351298	8.354439	8.359974	8.376233	8.371131	8.366226	8.321602	8.332306	8.327538	8.308151	8.357601	8.351426
RUNX3	cg1919755	-0.04696	7.805944	-4.50238	0.000363	0.001788	-0.45194	8.316265	8.312733	8.332208	8.30609	8.314431	8.301797	8.305486	8.310758	8.309435	8.320614	8.281067	8.270205	8.265539	8.279198	8.295645	8.268837
DUSP26	cg1489073	-0.04693	7.697556	-3.12261	0.006571	0.018675	-3.30082	8.227051	8.234025	8.263094	8.21721	8.240094	8.226038	8.245079	8.249339	8.238826	8.214713	8.188933	8.180618	8.197198	8.211749	8.223406	8.215066
ALDH1A2	cg2241686	-0.04688	7.492588	-3.72036	0.001865	0.006703	-2.00614	8.093935	8.08079	8.088676	8.107306	8.10413	8.10312	8.104728	8.088045	8.093893	8.098853	8.065282	8.070997	8.077471	8.03758	8.059365	8.070855
THRA	cg1344233	-0.04686	7.780286	-3.23329	0.005209	0.015518	-3.10047	8.296794	8.304622	8.297805	8.313416	8.309476	8.269562	8.298081	8.303324	8.302691	8.262258	8.252798	8.257189	8.238637	8.252408	8.271788	8.269046
TSLP	cg2196119	-0.04683	7.881079	-3.48921	0.003038	0.009979	-2.61621	8.363069	8.384731	8.368525	8.362351	8.370593	8.394467	8.379484	8.363357	8.358887	8.345481	8.323709	8.327716	8.314599	8.356604	8.329255	8.308093
PCDH10	cg0969300	-0.04681	7.737775	-3.20405	0.005539	0.01628	-3.14399	8.270248	8.25746	8.265498	8.274067	8.281872	8.279529	8.251641	8.259137	8.249126	8.279437	8.254454	8.227829	8.225153	8.194301	8.238139	8.213697
ARNTL	cg1518552	-0.04681	7.835877	-3.58987	0.002456	0.0084	-2.38656	8.347503	8.336399	8.332913	8.310763	8.31903	8.328197	8.33711	8.324274	8.3356	8.349486	8.290343	8.291534	8.304664	8.297731	8.33382	8.292121
SFRP5	cg0656972	-0.04679	7.829118	-2.8323	0.012026	0.030396	-3.9383	8.334858	8.340165	8.341791	8.339944	8.314932	8.310292	8.322298	8.339867	8.290866	8.359823	8.280913	8.290085	8.276219	8.312403	8.305978	8.294242
SRGAP3	cg1418760	-0.04671	7.447502	-2.58309	0.020033	0.045909	-4.31468	8.050387	8.05518	8.066351	8.071895	8.101101	8.082573	8.051579	8.064667	8.073009	8.065143	8.065359	8.05001	8.026477	8.010969	8.010646	8.02425
EMP2	cg2071798	-0.04661	7.847677	-2.66076	0.017105	0.040509	-4.28563	8.362023	8.361228	8.359699	8.328167	8.348824	8.303806	8.340713	8.343331	8.355031	8.325799	8.286909	8.290852	8.286964	8.322548	8.321832	8.329322
DLG1	cg1976061	-0.04658	7.002523	-3.19532	0.005641	0.01649	-3.13325	7.773907	7.808003	7.782126	7.773572	7.786571	7.758685	7.784431	7.792618	7.790121	7.809918	7.761109	7.762199	7.760106	7.782396	7.76674	7.756743
RAP1A	cg1362253	-0.04653	7.776889	-3.56139	0.002608	0.008831	-2.41916	8.27506	8.288208	8.279971	8.297602	8.278583	8.29445	8.304621	8.287214	8.273809	8.315778	8.263837	8.272028	8.259371	8.249327	8.279161	8.242093
SPARCL1	cg1321621	-0.0465	7.272521	-2.81351	0.012502	0.031433	-3.84939	7.938088	7.935632	7.942897	7.97358	7.937565	7.945366	7.952572	7.947843	7.968784	7.964127	7.943817	7.912026	7.95856	7.908978	7.922196	7.917635
ARMC5	cg0578303	-0.04644	7.812676	-2.99842	0.008518	0.023004	-3.59565	8.33137	8.326715	8.328578	8.288691	8.33377	8.315499	8.320038	8.315643	8.289904	8.334221	8.256243	8.284558	8.269365	8.283886	8.284636	8.304175
LSAMP	cg2625295	-0.04643	7.435658	-5.50063	4.86E-05	0.000346	1.682411	8.045835	8.054018	8.045888	8.056366	8.04688	8.05251	8.060632	8.060339	8.06634	8.067056	8.032705	8.037697	8.033657	8.031313	8.027675	8.025263
LHX6	cg1060491	-0.04632	7.063564	-3.25374	0.004989	0.014989	-2.9784	7.817301	7.826833	7.827317	7.829284	7.815397	7.821492	7.838363	7.83367	7.815336	7.818418	7.774942	7.807389	7.784603	7.812468	7.816353	7.785548
AKT1	cg1595795	-0.0463	7.818874	-3.56971	0.002563	0.008705	-2.41949	8.322424	8.317494	8.308426	8.322567	8.308855	8.342407	8.322355	8.320463	8.302573	8.343401	8.294311	8.280871	8.303753	8.270574	8.297325	8.279715
NR4A3	cg0327756	-0.04629	7.812327	-3.64882	0.002169	0.007598	-2.24836	8.329042	8.320465	8.310682	8.332166	8.303069	8.337842	8.3305	8.322669	8.292929	8.308355	8.261532	8.277548	8.279076	8.29272	8.287738	8.27683
MCC	cg1124518	-0.04629	7.954078	-5.51261	4.75E-05	0.000339	1.54594	8.420374	8.413794	8.424116	8.413696	8.410555	8.42703	8.410542	8.423471	8.41604	8.42985	8.377698	8.391058	8.388474	8.386606	8.37529	8.389537
MAPK10	cg0363282	-0.04627	7.488449	-2.64781	0.017563	0.041303	-4.19689	8.070765	8.074791	8.085132	8.120081	8.089342	8.093608	8.097335	8.077508	8.092832	8.117129	8.072888	8.083314	8.085121	8.043529	8.044595	8.05345
ZNF366	cg0950245	-0.04626	7.858424	-3.19596	0.005634	0.016477	-3.21722	8.342241	8.371815	8.361326	8.337481	8.332621	8.33009	8.349075	8.350519	8.333529	8.375841	8.315946	8.305717	8.297805	8.338371	8.325662	8.321856
BTG4	cg2656178	-0.04624	7.399368	-3.72128	0.001861	0.006694	-1.9921	8.038525	8.031603	8.019241	8.029284	8.03383	8.0305	8.042068	8.043063	8.012789	8.051711	7.994775	8.001943	8.010261	8.021395	8.010944	7.994031
DAB2IP	cg1002062	-0.04624	7.232588	-2.73545	0.014681	0.035731	-4.00202	7.951619	7.936991	7.944375	7.920549	7.917541	7.918882	7.941534	7.931942	7.91692	7.915287	7.87909	7.872098	7.882664	7.914903	7.913646	7.912286
CUX1	cg0858218	-0.04622	7.983852	-4.92732	0.000152	0.000885	0.342114	8.429675	8.436627	8.450397	8.438837	8.430347	8.452447	8.429322	8.440601	8.4479	8.450558	8.409406	8.415806	8.412549	8.395229	8.406511	8.401096
VSNL1	cg2643219	-0.0462	7.3427	-3.62475	0.002282	0.007903	-2.18947	7.996123	7.983709	7.982442	7.995505	8.011813	7.975119	8.011548	8.005344	8.001774	7.991555	7.973665	7.970672	7.963322	7.983475	7.954746	7.980795
FLNA	cg2007717	-0.04618	7.807405	-2.84476	0.01172	0.029808	-3.89979	8.317803	8.324595	8.342614	8.311159	8.326368	8.326227	8.3313	8.311262	8.281726	8.301449	8.248646	8.26598	8.260447	8.296471	8.303871	8.257843
NEDD4L	cg1978108	-0.04617	7.650629	-3.95355	0.001141	0.004485	-1.55237	8.20039	8.19275	8.219933	8.221147	8.208131	8.217932	8.197169	8.190291	8.212015	8.197767	8.171644	8.175633	8.177467	8.149945	8.159634	8.161823
NEDD4L	cg1252062	-0.04609	7.950547	-3.12	0.006607	0.018731	-3.41802	8.416288	8.426825	8.394868	8.433879	8.44985	8.418121	8.434604	8.419859	8.410439	8.386204	8.384895	8.386162	8.366137	8.372795	8.392182	8.364361
STK10	cg0907954	-0.04609	7.58728	-3.22246	0.005329	0.015798	-3.06335	8.172711	8.172247	8.157953	8.154729	8.151654	8.167714	8.12832	8.158021	8.186618	8.159928	8.126118	8.135818	8.128154	8.10906	8.13369	8.118867
NFATC1	cg2733493	-0.04608	7.807307	-2.89969	0.01046	0.027192	-3.79099	8.324783	8.32525	8.332863	8.31836	8.297097	8.326104	8.320805	8.31617	8.269669	8.328261	8.263732	8.257801	8.260975	8.284372	8.29493	8.285227
NNAT	cg1098159	-0.04607	7.91834	-5.37111	6.27E-05	0.000429	1.275855	8.385607	8.371729	8.383896	8.371575	8.393989	8.376125	8.391866	8.399059	8.40594	8.406342	8.366324	8.369334	8.373958	8.362724	8.362429	8.360601
BNIP3L	cg1832269	-0.04603	7.884624	-2.89112	0.010647	0.027599	-3.85045	8.375733	8.346958	8.385392	8.331261	8.387249	8.371119	8.368916	8.357554	8.398493	8.355849	8.337332	8.322631	8.351103	8.336452	8.327945	8.337692
MFSD2A	cg0966202	-0.04602	7.887301	-4.15037	0.000755	0.003216	-1.23168	8.37147	8.367542	8.364076	8.379019	8.359195	8.364768	8.388361	8.370592	8.35808	8.372519	8.319753	8.335721	8.343051	8.324199	8.355369	8.348493
MTSS1	cg1781475	-0.04592	7.181312	-2.9977	0.008531	0.023027	-3.47952	7.879136	7.885658	7.892103	7.913816	7.899488	7.909049	7.892102	7.912145	7.906572	7.875114	7.860609	7.878588	7.878429	7.849859	7.875118	7.85525
SRGAP3	cg0458719	-0.04589	7.48108	-4.65664	0.000264	0.001384	-0.04165	8.086245	8.090609	8.080832	8.098655	8.103848	8.085426	8.092611	8.086505	8.078375	8.090398	8.054045	8.059436	8.057944	8.045359	8.051022	8.061578
ROBO1	cg0799703	-0.04577	7.793372	-3.32054	0.004335	0.013369	-2.92848	8.282736	8.300486	8.284424	8.304108	8.317214	8.294016	8.307155	8.306744	8.321279	8.292081	8.258317	8.299814	8.283797	8.258385	8.25998	8.277184
RPS6KA2	cg1607712	-0.04569	7.620579	-4.25901	0.000602	0.002677	-0.90347	8.187208	8.16153	8.178743	8.193177	8.187988	8.160366	8.181346	8.188902	8.182164	8.188296	8.154654	8.155276	8.151105	8.144729	8.153473	8.154749
CUX1	cg1656627	-0.04564	7.666576	-2.88591	0.010763	0.027854	-3.77485	8.211073	8.210844	8.192104	8.191024	8.195656	8.173492	8.225509	8.227023	8.242539	8.206549	8.187393	8.163622	8.198942	8.177412	8.220139	8.206049
LRIG1	cg1724714	-0.04564	7.888331	-4.25165	0.000611	0.00271	-1.01705	8.375217	8.38231	8.387666	8.35738	8.37278	8.37167	8.365549	8.3612	8.367509	8.383058	8.319838	8.335511	8.339729	8.353888	8.327014	8.333937
EDNRB	cg2494291	-0.04562	7.907647	-2.83794	0.011886	0.030124	-3.96788	8.38932	8.390988	8.404005	8.376859	8.372676	8.380625	8.391432	8.405251	8.358525	8.384862	8.324275	8.342709	8.329322	8.353556	8.385226	8.368379
PKD1	cg0682660	-0.0456	7.568194	-4.03809	0.000955	0.003887	-1.35401	8.144883	8.144251	8.144281	8.128347	8.144606	8.148159	8.164211	8.141407	8.154879	8.137423	8.106035	8.132468	8.103274	8.124381	8.12037	8.115544
FLNA	cg2473832	-0.04559	7.829232	-4.39927	0.000449	0.002128	-0.67759	8.332238	8.334407	8.33896	8.318977	8.33494	8.341979	8.337133	8.325848	8.316272	8.323892	8.279013	8.293155	8.286661	8.280473	8.307718	8.303995
PEBP1	cg2552383	-0.04559	7.755434	-3.41232	0.003573	0.011372	-2.72114	8.277013	8.288168	8.27211	8.281452	8.272933	8.2456	8.274696	8.274618	8.287035	8.277003	8.237516	8.257909	8.226014	8.269947	8.233659	8.243654
ALPL	cg2484884	-0.04548	7.847618	-2.66044	0.017116	0.040526	-4.28829	8.341176	8.344788	8.358214	8.299713	8.349534	8.331139	8.339217	8.346589	8.362902	8.329587	8.317346	8.304756	8.280596	8.323842	8.296522	8.340262
CYGB	cg2213921	-0.04542	7.872864	-3.09894	0.006905	0.019432	-3.42344	8.341924	8.349125	8.34519	8.369227	8.377786	8.359843	8.346039	8.363082	8.370845	8.36703	8.355098	8.333602	8.344601	8.318952	8.308799	8.30487
RARB	cg0670576	-0.04541	6.889863	-3.21422	0.005422	0.016007	-3.17372	7.702422	7.715477	7.710923	7.733057	7.720219	7.719662	7.735535	7.73426	7.729125	7.712762	7.722368	7.688344	7.698093	7.69701	7.7114	7.682885
GATA5	cg2377090	-0.04537	7.853903	-5.37882	6.18E-05	0.000423	1.325737	8.344114	8.34409	8.346471	8.334494	8.344209	8.352974	8.34609	8.34151	8.348154	8.354335	8.328844	8.310402	8.306556	8.309756	8.313853	8.311836
ALPL	cg1651004	-0.04532	7.294808	-3.74812	0.001759	0.006385	-1.92713	7.963499	7.96607	7.962129	7.970166	7.979088	7.969301	7.960285	7.965917	7.961076	7.979556	7.943132	7.921963	7.959302	7.934404	7.925517	7.932879
CUX1	cg1747261	-0.04526	7.77498	-3.43496	0.003406	0.010975	-2.68035	8.298654	8.288871	8.279557	8.318663	8.292547	8.277393	8.29524	8.307641	8.269535	8.281462	8.251917	8.240985	8.257067	8.254343	8.272537	8.253313
PAX6	cg1357097	-0.04525	7.940745	-4.68174	0.000251	0.001326	-0.14239	8.412877	8.408659	8.409176	8.42611	8.411743	8.423744	8.415523	8.404425	8.408475	8.394112	8.369825	8.387245	8.364362	8.381435	8.359906	8.365055
TNFSF12	cg0075720	-0.04524	7.705184	-3.96125	0.001123	0.004431	-1.55157	8.251917	8.254502	8.239392	8.250223	8.225922	8.256534	8.242108	8.248066	8.231728	8.228789	8.206952	8.193278	8.190256	8.220483	8.213318	8.203745
GSK3B	cg0858337	-0.04519	7.761282	-3.5035	0.002947	0.009732	-2.53196	8.297307	8.279832	8.273489	8.28549	8.271226	8.284563	8.292847	8.292086	8.26067	8.271641	8.219073	8.243502	8.244144	8.251422	8.262482	8.25544
RHOBTB2	cg1265211	-0.04518	7.424027	-4.5504	0.000329	0.001648	-0.25496	8.057404	8.063837	8.056533	8.053965	8.044918	8.05518	8.049213	8.050387	8.040912	8.050873	8.014291	8.008463	8.011147	8.018395	8.012145	8.035247
RASSF2	cg0635827	-0.04517	7.275112	-3.27385	0.004783	0.014486	-2.91549	7.96278	7.948909	7.961876	7.947745	7.946043	7.926562	7.96737	7.956918	7.942124	7.967028	7.917259	7.920828	7.912483	7.942624	7.935852	7.939028
SALL2	cg2187662	-0.04516	7.794917	-3.84737	0.001427	0.005372	-1.82526	8.318836	8.30266	8.295035	8.294171	8.294661	8.299574	8.299869	8.304798	8.294867	8.324925	8.263113	8.292609	8.255584	8.275487	8.270825	8.278076
TCF7L2	cg0932721	-0.04514	7.892744	-3.68138	0.002025	0.007172	-2.22117	8.382102	8.37964	8.384978	8.362096	8.363184	8.383179	8.384782	8.361625	8.367698	8.379522	8.32676	8.344257	8.328274	8.352068	8.321979	8.363131
AKT1	cg0435270	-0.04511	7.849952	-3.03194	0.007943	0.021705	-3.54893	8.341635	8.318408	8.351444	8.349555	8.350246	8.320561	8.355883	8.317393	8.346069	8.366178	8.327632	8.312912	8.322179	8.291171	8.320665	8.300809
PAX6	cg0839141	-0.04508	7.822009	-5.7284	3.13E-05	0.000244	2.035418	8.315196	8.319453	8.326878	8.320444	8.313298	8.313157	8.326184	8.326048	8.330285	8.32391	8.293166	8.286403	8.29343	8.286692	8.294793	8.303517
RUNX3	cg1501497	-0.04508	7.963756	-3.94687	0.001157	0.004539	-1.70116	8.43432	8.409344	8.403072	8.411962	8.424264	8.43674	8.437263	8.416622	8.431903	8.433443	8.412891	8.401161	8.392037	8.38082	8.386577	8.399041
AHNAK	cg0179578	-0.04504	7.672918	-3.06093	0.007476	0.02071	-3.41855	8.217742	8.224475	8.222331	8.235819	8.211777	8.22864	8.217876	8.185134	8.222344	8.236619	8.192882	8.207457	8.180402	8.163748	8.181203	8.171134
NFATC1	cg0685657	-0.04503	7.903804	-3.54775	0.002684	0.009041	-2.50923	8.37388	8.39707	8.387084	8.370459	8.347484	8.393485	8.373782	8.397153	8.381206	8.387002	8.341717	8.344156	8.341416	8.359404	8.365343	8.352475
THBD	cg1176916	-0.045	7.555898	-4.0008	0.001033	0.004142	-1.42931	8.119173	8.145249	8.132007	8.132374	8.142533	8.135799	8.133351	8.131852	8.144271	8.153176	8.110506	8.113741	8.122279	8.09285	8.110009	8.102719
CTNNBIP1	cg0893412	-0.04496	7.479074	-4.3946	0.000454	0.002142	-0.58753	8.094871	8.077709	8.094437	8.08887	8.082494	8.097903	8.091159	8.084077	8.08213	8.084236	8.041731	8.068383	8.048987	8.058395	8.059712	8.046544
TCF7L2	cg1285870	-0.04492	7.972185	-4.7297	0.000228	0.001225	-0.06383	8.435254	8.419225	8.415244	8.426097	8.418806	8.415816	8.428849	8.440647	8.446411	8.43839	8.415153	8.391473	8.409568	8.388869	8.407076	8.413271
DDR2	cg2153984	-0.0449	7.862924	-4.43723	0.000415	0.001994	-0.61507	8.345576	8.355334	8.369265	8.346465	8.356588	8.357638	8.343466	8.348833	8.35463	8.358101	8.308982	8.33904	8.309934	8.31048	8.314936	8.322213
SYNM	cg0851604	-0.0449	7.801127	-3.66934	0.002077	0.007309	-2.20072	8.304193	8.329617	8.319374	8.303755	8.308149	8.303957	8.316237	8.294511	8.314063	8.301824	8.272311	8.275959	8.255278	8.257154	8.293076	8.286281
SEPT4	cg2041714	-0.04489	7.170451	-3.54214	0.002716	0.009127	-2.35745	7.892444	7.880816	7.873877	7.906629	7.878862	7.871846	7.89125	7.902387	7.886138	7.891637	7.8682	7.856672	7.861115	7.877881	7.84925	7.867093
EMP2	cg1357695	-0.04486	7.883132	-2.96458	0.00914	0.024391	-3.70026	8.37722	8.362717	8.38245	8.348375	8.374124	8.370437	8.3861	8.369136	8.333661	8.375844	8.309661	8.318836	8.329848	8.352801	8.352245	8.330997
EGR2	cg0157233	-0.04483	7.499504	-3.94159	0.00117	0.004578	-1.54217	8.093312	8.094552	8.107439	8.090143	8.102629	8.119604	8.095812	8.105917	8.090204	8.107937	8.071843	8.0646	8.074749	8.051233	8.071485	8.076926
CBFA2T3	cg0012113	-0.04472	7.264933	-4.4727	0.000386	0.001881	-0.40549	7.944916	7.938807	7.935484	7.945061	7.936653	7.944104	7.953298	7.950775	7.961177	7.945886	7.938273	7.911226	7.924541	7.922896	7.915786	7.923942
NFATC1	cg0764864	-0.0447	7.648423	-2.69287	0.016019	0.038451	-4.14825	8.230591	8.1904	8.198026	8.194594	8.217331	8.172964	8.209803	8.204433	8.183592	8.209895	8.163491	8.168456	8.150575	8.192182	8.153868	8.18925
CYGB	cg0307795	-0.04464	7.764357	-4.0187	0.000995	0.00402	-1.44938	8.298529	8.280121	8.280264	8.292325	8.277889	8.299933	8.288384	8.287047	8.256319	8.283607	8.244211	8.241761	8.238434	8.260497	8.242134	8.24842
GATA5	cg1887232	-0.04463	7.711062	-5.73696	3.08E-05	0.000241	2.093119	8.251501	8.243259	8.241175	8.243287	8.248006	8.239441	8.249914	8.244908	8.241286	8.244462	8.20924	8.213685	8.207316	8.214295	8.219895	8.210598
TSLP	cg0587403	-0.04462	7.800766	-3.2367	0.005171	0.015427	-3.10227	8.31466	8.319471	8.324223	8.288499	8.310528	8.317028	8.306919	8.302205	8.323752	8.289551	8.283416	8.255109	8.258821	8.27113	8.266174	8.300296
NUMB	cg1739738	-0.04459	7.909906	-3.62459	0.002282	0.007903	-2.34491	8.407572	8.405469	8.390466	8.411372	8.409543	8.387136	8.385847	8.38142	8.360924	8.381761	8.351669	8.340318	8.329855	8.332584	8.373564	8.335096
HIC1	cg0215160	-0.04458	6.980655	-2.88622	0.010756	0.027842	-3.78171	7.796495	7.761936	7.783951	7.773041	7.762115	7.771703	7.782717	7.793482	7.762394	7.767288	7.734605	7.734869	7.737702	7.766132	7.754205	7.763048
ADARB1	cg2624061	-0.04453	7.703081	-3.19494	0.005646	0.016498	-3.15368	8.233222	8.230853	8.239104	8.241423	8.257419	8.233782	8.226767	8.225384	8.252847	8.25221	8.215869	8.218993	8.225541	8.179074	8.200391	8.200955
VPS53	cg2694513	-0.04451	7.929727	-4.71627	0.000234	0.001252	-0.0651	8.415139	8.402601	8.403295	8.416487	8.406915	8.396991	8.393582	8.399387	8.409496	8.387679	8.370858	8.354804	8.367698	8.355171	8.37754	8.356598
CBFA2T3	cg1100483	-0.04446	7.674452	-4.2848	0.00057	0.00256	-0.86349	8.222376	8.226193	8.205673	8.220498	8.215794	8.234446	8.22732	8.215399	8.215045	8.216157	8.17734	8.197491	8.187056	8.187412	8.195636	8.172217
ZMYND10	cg0249539	-0.04442	7.373198	-3.41736	0.003535	0.011292	-2.62469	8.017428	8.029659	8.032403	7.993237	8.014054	8.022295	8.023157	8.019053	8.01322	8.012082	7.98496	7.974942	7.968136	7.998569	7.997857	7.994162
ARHGEF12	cg1247281	-0.04441	7.919673	-3.35787	0.004007	0.012522	-2.91319	8.393255	8.368474	8.390058	8.401175	8.415528	8.384383	8.388135	8.406138	8.387463	8.396724	8.355905	8.389403	8.358113	8.366367	8.345067	8.351145
ANXA1	cg0189489	-0.04441	7.344435	-2.74713	0.014332	0.03504	-3.98503	7.972857	7.999381	7.996718	8.007331	7.999158	8.002255	7.986064	7.999115	8.015078	8.00114	7.965686	8.000054	7.980618	7.970845	7.940531	7.962929
RARB	cg0244520	-0.04438	7.901938	-3.14948	0.006211	0.017833	-3.33341	8.395936	8.391146	8.379112	8.350905	8.379927	8.399802	8.390906	8.370042	8.381848	8.375608	8.330541	8.345013	8.343448	8.355908	8.373255	8.328351
FOXP1	cg0116561	-0.04438	7.881771	-3.83226	0.001473	0.005506	-1.90058	8.380217	8.345516	8.355074	8.341278	8.371801	8.363861	8.381701	8.360615	8.362785	8.375414	8.333206	8.339538	8.333514	8.332897	8.353318	8.327606
FLNA	cg2579027	-0.04437	7.226688	-2.8809	0.010875	0.028082	-3.71357	7.914093	7.918088	7.922946	7.943319	7.939254	7.931732	7.911364	7.919949	7.91901	7.937178	7.916886	7.911655	7.885603	7.878541	7.875281	7.886643
CUX1	cg2126694	-0.04433	7.906941	-3.76974	0.00168	0.006145	-2.04613	8.389001	8.38459	8.382225	8.361987	8.365286	8.367097	8.374771	8.39916	8.399528	8.386785	8.344122	8.351915	8.348842	8.352727	8.382897	8.358425
EMP2	cg0433979	-0.04431	7.711485	-3.87396	0.001349	0.00515	-1.73883	8.244921	8.248756	8.224805	8.254993	8.235592	8.239936	8.242252	8.242062	8.25796	8.246785	8.239428	8.211174	8.208109	8.206032	8.217163	8.207138
SRPX	cg0350956	-0.04431	7.285558	-3.28093	0.004712	0.014309	-2.9012	7.95041	7.961072	7.960992	7.971969	7.951078	7.971942	7.984267	7.954724	7.949781	7.9562	7.93663	7.927153	7.926687	7.930683	7.9528	7.914426
FOXP1	cg1780399	-0.04428	7.828257	-3.16676	0.00599	0.017315	-3.26054	8.338707	8.341655	8.322858	8.321958	8.309776	8.336389	8.328098	8.339354	8.327641	8.313464	8.299496	8.28684	8.264382	8.302051	8.288339	8.323587
HIC1	cg2068298	-0.04425	7.449714	-2.75626	0.014066	0.034506	-3.97747	8.077197	8.087208	8.078759	8.056568	8.062351	8.088507	8.072481	8.080361	8.039768	8.058057	8.02048	8.012556	8.017413	8.037573	8.059932	8.043427
ARNTL	cg0611683	-0.04419	7.927104	-2.62992	0.018215	0.042554	-4.38827	8.403649	8.425644	8.412708	8.369137	8.383207	8.393253	8.406612	8.400204	8.395226	8.396882	8.350385	8.354841	8.336619	8.373467	8.378149	8.403998
PLCE1	cg2240404	-0.04415	7.927504	-2.9929	0.008617	0.023221	-3.66857	8.397928	8.398913	8.408462	8.390833	8.372648	8.39943	8.402922	8.402458	8.40032	8.402724	8.36224	8.367079	8.354252	8.379403	8.410503	8.338283
MTSS1	cg2039261	-0.04408	7.377467	-3.49823	0.00298	0.009816	-2.45603	8.039081	8.032545	8.031551	8.022159	8.035184	8.015607	8.021304	8.020731	8.005468	8.010369	7.968607	7.972823	7.983378	7.977101	7.997448	8.006345
PRDM2	cg1930092	-0.04404	7.754801	-3.74483	0.001771	0.006414	-2.02292	8.282076	8.283475	8.275384	8.285993	8.275525	8.270608	8.273459	8.251325	8.286079	8.282745	8.240415	8.255712	8.245142	8.230227	8.223655	8.250467
NEDD4L	cg0732405	-0.04398	7.913761	-3.21382	0.005426	0.016012	-3.21004	8.387433	8.398076	8.404351	8.381588	8.35655	8.368238	8.374595	8.395953	8.409044	8.393397	8.356705	8.354437	8.34226	8.3647	8.361205	8.380067
RASSF2	cg1293593	-0.04395	7.674592	-3.06273	0.007448	0.020655	-3.41611	8.234858	8.231082	8.213511	8.205859	8.223313	8.214833	8.221512	8.232948	8.211033	8.208848	8.177214	8.174311	8.1733	8.171721	8.216094	8.207412
RARB	cg2135199	-0.04393	7.699776	-2.82458	0.012219	0.030824	-3.90293	8.247517	8.242237	8.236492	8.223975	8.262699	8.214674	8.246847	8.252078	8.223498	8.222365	8.201198	8.185797	8.188157	8.214307	8.203937	8.231397
MCC	cg0678510	-0.04391	7.774887	-3.50139	0.00296	0.00977	-2.54237	8.295631	8.305785	8.296245	8.292658	8.279294	8.26468	8.278813	8.287404	8.29418	8.299274	8.245484	8.258288	8.25089	8.24473	8.271632	8.273536
ZMYND11	cg2166208	-0.04391	7.946793	-3.51968	0.002848	0.009482	-2.59321	8.418335	8.403169	8.398541	8.400143	8.392587	8.393716	8.432219	8.408674	8.397964	8.444169	8.381501	8.384742	8.379636	8.376396	8.395146	8.406121
ALPL	cg1878968	-0.0439	7.604029	-4.02132	0.000989	0.004005	-1.39777	8.161737	8.159606	8.174338	8.179406	8.179907	8.168034	8.182213	8.157382	8.165049	8.179072	8.154088	8.141582	8.138544	8.131028	8.141782	8.129456
CYLD	cg0164651	-0.0439	7.843162	-3.28307	0.004691	0.014253	-3.027	8.346951	8.360004	8.354773	8.340542	8.332461	8.320959	8.328162	8.329566	8.344718	8.340086	8.299942	8.288265	8.299239	8.333644	8.287243	8.308478
SPARCL1	cg1670969	-0.04388	7.806994	-3.94158	0.00117	0.004578	-1.63217	8.331675	8.309167	8.293992	8.300679	8.308366	8.313812	8.30407	8.31171	8.316794	8.323589	8.283419	8.297458	8.269386	8.277188	8.275977	8.284858
PPP1R1B	cg0623602	-0.04388	7.493627	-3.45753	0.003248	0.010542	-2.55567	8.087774	8.097209	8.109	8.09901	8.10386	8.115947	8.086172	8.11194	8.078696	8.094494	8.067719	8.062697	8.054487	8.052822	8.051655	8.082727
PAX6	cg0390586	-0.04385	7.788557	-3.31965	0.004343	0.013385	-2.92473	8.305777	8.309865	8.316056	8.30522	8.309723	8.287257	8.313646	8.29853	8.290442	8.279158	8.256406	8.253582	8.243461	8.285613	8.282626	8.256011
RARB	cg1385788	-0.04385	7.815383	-3.35709	0.004014	0.012533	-2.85913	8.336939	8.321974	8.327201	8.313398	8.315919	8.335442	8.305184	8.324559	8.292671	8.334795	8.282691	8.269865	8.281078	8.299027	8.263647	8.293597
MTSS1	cg2723588	-0.04367	7.685993	-3.55791	0.002627	0.008883	-2.39441	8.240194	8.230727	8.231254	8.221586	8.22971	8.229085	8.245823	8.221191	8.211984	8.221906	8.172951	8.190875	8.190555	8.197717	8.219097	8.189327
STARD13	cg1846152	-0.04364	7.414447	-3.15744	0.006108	0.017595	-3.16707	8.031573	8.024636	8.027815	8.017031	8.038672	8.039072	8.056985	8.053906	8.058129	8.041225	8.023424	8.01281	8.029315	8.054754	8.010214	8.003344
CDO1	cg1670740	-0.04357	7.69619	-3.52495	0.002817	0.009404	-2.46568	8.22574	8.260234	8.253815	8.229562	8.235398	8.233715	8.240657	8.229933	8.222321	8.230869	8.185075	8.185462	8.195127	8.202417	8.21107	8.21584
ZYX	cg0348971	-0.04349	7.621348	-3.78758	0.001618	0.005958	-1.89412	8.191559	8.18357	8.174424	8.173982	8.189994	8.193797	8.183131	8.168862	8.180149	8.192983	8.155471	8.140144	8.169714	8.139561	8.140878	8.154071
RASL10A	cg1706456	-0.04346	7.182514	-4.64207	0.000272	0.001415	-0.05274	7.894108	7.903762	7.895438	7.89406	7.910118	7.90287	7.891624	7.892504	7.898868	7.89537	7.867375	7.876551	7.861636	7.863187	7.861724	7.865265
HIVEP3	cg1640049	-0.04339	7.396232	-3.50709	0.002925	0.00967	-2.44008	8.013928	8.023989	8.028282	8.031896	8.043071	8.037473	8.034936	8.025669	8.038	8.035125	8.028193	8.001134	8.008019	7.999688	7.994428	7.989584
MME	cg1009489	-0.04331	7.257357	-3.53684	0.002747	0.009211	-2.36814	7.949232	7.941017	7.948621	7.93812	7.921138	7.934587	7.937572	7.933002	7.950944	7.961988	7.913275	7.913763	7.925491	7.926668	7.905126	7.916464
PPP1R1B	cg1922277	-0.04329	7.852996	-3.66001	0.002118	0.007443	-2.24903	8.339146	8.33557	8.330332	8.344574	8.330873	8.340083	8.334771	8.337653	8.358	8.370356	8.330885	8.319604	8.334628	8.312827	8.303369	8.304703
TBX5	cg1007731	-0.04329	7.756057	-4.30176	0.00055	0.002487	-0.85298	8.271037	8.285673	8.281741	8.264717	8.259749	8.273531	8.27038	8.278652	8.281939	8.281592	8.235141	8.248264	8.242849	8.263395	8.239327	8.248087
TCF4	cg1884960	-0.04326	7.94564	-3.27437	0.004777	0.014477	-3.10679	8.389475	8.380556	8.396151	8.409939	8.360648	8.407601	8.425795	8.428304	8.430575	8.416751	8.389753	8.402034	8.388375	8.370164	8.413423	8.39027
HOPX	cg0620277	-0.04323	7.848641	-3.83697	0.001458	0.005472	-1.87134	8.352796	8.337159	8.334645	8.331023	8.342386	8.364104	8.335653	8.348431	8.354258	8.32564	8.322249	8.301688	8.306002	8.299393	8.314184	8.307941

FOXP1	cg1104896	-0.04321	7.708369	-4.57303	0.000314	0.001585	-0.26854	8.251883	8.253269	8.237095	8.261178	8.247051	8.248451	8.235309	8.241889	8.23312	8.242967	8.21443	8.201021	8.20986	8.213936	8.2094	8.191744
MYH9	cg0245295	-0.04317	7.393085	-4.12372	0.000798	0.003368	-1.14507	8.023712	8.023217	8.04492	8.0304	8.040667	8.031959	8.025822	8.024711	8.038174	8.025075	7.999659	8.006513	8.001095	7.997663	8.0039	7.983301
FBP1	cg0379980	-0.04312	7.922499	-3.0138	0.008249	0.02242	-3.62093	8.40283	8.403346	8.404338	8.3957	8.403166	8.38027	8.411252	8.406806	8.370153	8.386564	8.345485	8.348808	8.340963	8.388766	8.362067	8.379797
GSN	cg0374598	-0.04309	7.159615	-3.38565	0.003779	0.011904	-2.68406	7.863205	7.859236	7.879514	7.873424	7.881799	7.899051	7.884211	7.889472	7.885625	7.886204	7.870134	7.857352	7.868176	7.851568	7.85483	7.846315
CEBPA	cg0143757	-0.04307	7.638367	-2.98704	0.008723	0.023451	-3.55917	8.205553	8.199363	8.211895	8.194831	8.188081	8.172137	8.180573	8.210267	8.194711	8.187936	8.169429	8.152208	8.13229	8.170001	8.171901	8.177647
HIC1	cg1805146	-0.04303	7.01753	-3.03686	0.007862	0.021555	-3.45338	7.79778	7.801271	7.815188	7.815648	7.805161	7.774458	7.796888	7.799669	7.770974	7.810446	7.760682	7.763718	7.764585	7.772194	7.770252	7.771154
FOXP1	cg0374918	-0.04302	7.958606	-2.92989	0.009824	0.025844	-3.81128	8.432462	8.43434	8.396438	8.426431	8.414048	8.420383	8.402565	8.421987	8.451187	8.414053	8.403479	8.399648	8.385453	8.363421	8.381305	8.404242
MYH9	cg1195584	-0.04298	7.592456	-3.35166	0.00406	0.012647	-2.7996	8.169199	8.165765	8.159396	8.152085	8.130858	8.149574	8.161368	8.164321	8.167093	8.177436	8.119855	8.138982	8.129111	8.144122	8.158878	8.129292
TSPAN32	cg2659889	-0.04296	7.677352	-3.22711	0.005277	0.015668	-3.07881	8.238442	8.230982	8.215503	8.224143	8.228196	8.237072	8.246282	8.210508	8.20323	8.204718	8.185272	8.188319	8.161658	8.190051	8.199516	8.184664
TBX5	cg1135774	-0.04291	7.773891	-3.02523	0.008055	0.021964	-3.52468	8.270976	8.311247	8.296717	8.301597	8.270676	8.287152	8.280229	8.283967	8.297423	8.290218	8.275454	8.246121	8.250973	8.23865	8.246973	8.279062
SCUBE2	cg0108126	-0.0429	7.893267	-4.60762	0.000292	0.001497	-0.27493	8.3795	8.381443	8.364679	8.357809	8.370595	8.387612	8.371588	8.379862	8.373653	8.372443	8.336752	8.34992	8.331562	8.348961	8.34279	8.341866
ZFHX3	cg0961852	-0.04288	7.853661	-4.06274	0.000907	0.003728	-1.39763	8.355012	8.353113	8.347951	8.344265	8.342028	8.348099	8.346731	8.352556	8.333629	8.342103	8.305331	8.308814	8.297898	8.300206	8.320492	8.336874
DUSP26	cg1924231	-0.04278	7.393255	-2.62211	0.018507	0.043099	-4.23337	8.015909	8.025367	8.022732	8.048128	8.041977	8.022088	8.013095	8.021865	8.03139	8.055179	8.019779	8.015197	8.010309	7.995655	7.974286	7.989985
BMP4	cg0804604	-0.04276	7.585812	-2.99692	0.008545	0.023059	-3.52334	8.160171	8.144451	8.165169	8.160933	8.168595	8.176412	8.156261	8.142436	8.151977	8.17067	8.121046	8.15342	8.127301	8.098954	8.13134	8.116534
AKT1	cg1454957	-0.04262	7.785516	-4.54334	0.000334	0.001668	-0.35855	8.291137	8.304217	8.289953	8.29079	8.293329	8.297863	8.304797	8.296615	8.306534	8.284494	8.267134	8.274869	8.251164	8.269072	8.273383	8.263072
SMARCA2	cg1088635	-0.04248	7.767753	-4.68335	0.00025	0.001324	-0.05823	8.300733	8.286137	8.292775	8.295451	8.286932	8.272607	8.284559	8.277146	8.281566	8.281485	8.241739	8.24813	8.249157	8.259111	8.254322	8.246114
IQGAP2	cg1624546	-0.04247	7.946802	-3.24986	0.00503	0.015088	-3.14868	8.419509	8.443938	8.404713	8.410958	8.413111	8.425677	8.40097	8.416164	8.411527	8.407137	8.373315	8.382595	8.365686	8.373054	8.356694	8.408486
FOXO3	cg0758047	-0.04247	7.957891	-2.69733	0.015873	0.038149	-4.27166	8.406717	8.451383	8.420364	8.448126	8.38692	8.436039	8.428156	8.421992	8.415805	8.409269	8.380729	8.38934	8.372878	8.375098	8.390426	8.40999
FOXP1	cg1439897	-0.04241	7.805991	-2.55275	0.021302	0.048239	-4.47181	8.324029	8.331959	8.325619	8.306296	8.34498	8.280496	8.311842	8.318791	8.295691	8.300602	8.263899	8.263529	8.255697	8.286755	8.27797	8.303275
LATS1	cg1736645	-0.04239	7.658273	-3.11839	0.006629	0.018785	-3.2985	8.206723	8.201958	8.21032	8.207561	8.214721	8.192831	8.229379	8.213341	8.197385	8.195131	8.173663	8.160236	8.175473	8.18048	8.168506	8.209835
SEPT4	cg2217469	-0.04236	7.118719	-3.40168	0.003654	0.011579	-2.65509	7.855945	7.866487	7.849793	7.842489	7.853035	7.841474	7.85176	7.868782	7.871263	7.851991	7.833489	7.831223	7.82012	7.833766	7.854207	7.827134
EGR2	cg1325639	-0.04233	7.880174	-3.52197	0.002835	0.009454	-2.55144	8.364566	8.364863	8.37415	8.34851	8.349184	8.353002	8.371648	8.365212	8.3681	8.365921	8.319686	8.340784	8.318652	8.32613	8.346015	8.363508
ST7	cg1046582	-0.04231	7.911432	-3.91235	0.001244	0.004814	-1.74535	8.382997	8.392432	8.399438	8.365196	8.376672	8.396804	8.388298	8.382735	8.382633	8.398505	8.34186	8.355055	8.357858	8.35781	8.373377	8.349769
PRDM2	cg0716241	-0.04228	7.861213	-3.86265	0.001381	0.005248	-1.8261	8.348614	8.329228	8.351914	8.333809	8.351893	8.35037	8.357477	8.353744	8.37096	8.33656	8.323368	8.319961	8.326499	8.337316	8.309596	8.32032
CMTM5	cg2363193	-0.04225	7.088674	-2.69185	0.016053	0.038499	-4.10333	7.85513	7.842829	7.847302	7.854678	7.847925	7.835594	7.861045	7.836677	7.82169	7.818679	7.809372	7.79428	7.786082	7.829189	7.803498	7.820909
NR2C2	cg0512279	-0.0422	7.827956	-3.23312	0.005211	0.015518	-3.12206	8.354279	8.320724	8.312929	8.357242	8.328435	8.327154	8.326213	8.335659	8.312994	8.316988	8.284879	8.301279	8.28511	8.303438	8.279497	8.294432
MLH1	cg0862231	-0.0422	7.785184	-2.60631	0.019111	0.044201	-4.35662	8.330754	8.305175	8.324082	8.305013	8.323465	8.302823	8.278485	8.294596	8.249545	8.318448	8.237091	8.252717	8.257596	8.267391	8.240826	8.26814
ITGA7	cg0157900	-0.04219	7.876273	-3.67042	0.002072	0.007296	-2.24089	8.355282	8.364444	8.341051	8.33105	8.337944	8.355814	8.361928	8.360954	8.382462	8.374905	8.336952	8.350224	8.32731	8.323084	8.350872	8.340666
SH2B3	cg0229809	-0.04218	7.112777	-2.82408	0.012232	0.030842	-3.83511	7.867041	7.855635	7.851949	7.843941	7.860986	7.857239	7.85447	7.836514	7.87081	7.847757	7.841994	7.838506	7.799155	7.820466	7.815809	7.833832
CD44	cg0697516	-0.04215	7.935005	-2.76979	0.01368	0.033761	-4.11891	8.413698	8.423232	8.405623	8.394926	8.382067	8.389932	8.414416	8.385011	8.41172	8.41236	8.358332	8.36396	8.372952	8.354346	8.382203	8.411019
ST7	cg0723099	-0.04207	7.695747	-2.79458	0.012999	0.032422	-3.96091	8.244975	8.238086	8.250297	8.241045	8.203669	8.241967	8.235383	8.23589	8.227447	8.227928	8.173911	8.203008	8.192168	8.227946	8.191823	8.216848
SH2B3	cg0584148	-0.04206	7.919351	-3.60102	0.002399	0.008244	-2.40569	8.392181	8.372991	8.386629	8.372336	8.395124	8.412299	8.411915	8.384422	8.389731	8.39535	8.378508	8.35838	8.361938	8.351804	8.364803	8.364963
RPS6KA2	cg2188031	-0.04204	7.850335	-3.52664	0.002807	0.009382	-2.52455	8.354657	8.361981	8.337813	8.352819	8.317342	8.336428	8.345898	8.335458	8.343896	8.344873	8.310321	8.304251	8.297529	8.319721	8.306723	8.327244
PEA15	cg1938505	-0.0419	7.869193	-3.39557	0.003701	0.01169	-2.80864	8.364929	8.359447	8.361543	8.365243	8.354229	8.320716	8.361727	8.350247	8.353548	8.365217	8.313356	8.329687	8.315342	8.343735	8.325764	8.328773
DAB2IP	cg0972077	-0.04188	7.917848	-3.05556	0.00756	0.020904	-3.53614	8.403269	8.387485	8.396411	8.38789	8.358339	8.387543	8.408107	8.396707	8.378042	8.395536	8.341484	8.357494	8.346397	8.369668	8.380805	8.380852
THRA	cg0736099	-0.04187	7.310664	-2.89772	0.010503	0.027291	-3.68356	7.953992	7.971981	7.975204	7.983379	7.970823	7.975204	7.966548	7.972421	7.992368	7.986704	7.946578	7.960688	7.975414	7.926587	7.945212	7.951898
ADARB1	cg0092769	-0.04185	7.755395	-3.41445	0.003557	0.011337	-2.71324	8.289856	8.289546	8.296684	8.28867	8.290354	8.265302	8.261793	8.270579	8.261228	8.280023	8.213095	8.236475	8.251526	8.228684	8.244742	8.250744
WNT5A	cg0504897	-0.04181	7.88706	-2.89658	0.010527	0.027337	-3.84337	8.350554	8.347736	8.36869	8.349215	8.371564	8.367984	8.382176	8.3489	8.380898	8.389503	8.360774	8.353346	8.348728	8.335505	8.35419	8.309783
PLAGL1	cg1633424	-0.04171	7.899614	-2.73254	0.014768	0.035907	-4.17112	8.378291	8.395772	8.38992	8.398392	8.383743	8.354182	8.365644	8.387434	8.371521	8.376957	8.346638	8.336438	8.333269	8.336964	8.385929	8.323875
TCF7L2	cg0153284	-0.04153	7.8949	-2.73715	0.014629	0.035657	-4.1596	8.3662	8.377891	8.38178	8.393319	8.36364	8.396262	8.376671	8.370265	8.339891	8.401132	8.345119	8.353978	8.334462	8.318232	8.336974	8.354626
MARVELD1	cg1624591	-0.0415	7.386084	-3.64744	0.002175	0.007614	-2.14556	8.003975	8.020693	8.016667	8.032144	8.030667	8.023996	8.03332	8.021268	8.031794	8.022399	8.011741	8.002665	8.002704	7.992768	7.983231	7.998091
AXIN2	cg2279273	-0.04142	7.724272	-4.02221	0.000988	0.003999	-1.42926	8.253375	8.254359	8.273534	8.248809	8.240996	8.263584	8.25548	8.246982	8.252627	8.25206	8.210731	8.222507	8.218838	8.212491	8.232653	8.230797
PEG3	cg2634926	-0.04136	7.912561	-5.07737	0.000112	0.000695	0.686335	8.395736	8.383247	8.390377	8.394522	8.381239	8.382062	8.386926	8.387056	8.39006	8.386208	8.351292	8.368112	8.34464	8.360431	8.355915	8.356611
PTPRC	cg1731676	-0.04136	7.769899	-4.83386	0.000184	0.001034	0.252538	8.294746	8.284377	8.288778	8.299834	8.285229	8.283255	8.282543	8.29133	8.275795	8.282229	8.24487	8.257122	8.247742	8.252353	8.251037	8.26085
PKD1	cg2489997	-0.04132	7.459375	-3.6906	0.001986	0.00706	-2.0634	8.070091	8.074533	8.080427	8.069266	8.08551	8.058104	8.062303	8.07746	8.062857	8.089145	8.043145	8.048759	8.040054	8.03641	8.054422	8.04104
SRGAP3	cg1576370	-0.04131	7.796467	-4.27433	0.000583	0.002605	-0.92475	8.312226	8.301171	8.308163	8.312819	8.318046	8.300885	8.290987	8.313073	8.293656	8.30783	8.265799	8.283712	8.265118	8.265857	8.265746	8.277599
PAFAH1B1	cg0852362	-0.0413	7.897069	-2.62515	0.018393	0.042889	-4.38327	8.356785	8.386146	8.36522	8.403459	8.340703	8.370928	8.383489	8.376059	8.382741	8.377551	8.35216	8.361113	8.337712	8.335266	8.328718	8.377281
DOK1	cg2070643	-0.04129	7.67332	-3.29983	0.004528	0.013832	-2.92771	8.225068	8.235668	8.219721	8.20976	8.210532	8.245364	8.224133	8.214726	8.20608	8.210278	8.178393	8.192275	8.163087	8.178915	8.192604	8.19719
CST6	cg1908891	-0.04129	7.754974	-3.23116	0.005232	0.015572	-3.09592	8.272706	8.270139	8.281134	8.270279	8.284687	8.261191	8.265655	8.29068	8.285746	8.260809	8.244889	8.255612	8.225299	8.261778	8.256509	8.22695
CDKN1C	cg0526711	-0.04127	7.147896	-2.69593	0.015919	0.038251	-4.08231	7.865035	7.868322	7.861792	7.874572	7.890022	7.87265	7.862772	7.871917	7.888165	7.88369	7.854148	7.866868	7.865202	7.83952	7.821472	7.850013
SELENBP1	cg1691167	-0.04126	7.811502	-2.64094	0.017811	0.041783	-4.304	8.311108	8.331223	8.320354	8.359561	8.310827	8.311027	8.33137	8.296613	8.321075	8.288851	8.274379	8.269211	8.295886	8.272153	8.293378	8.267034
ZBTB16	cg0959386	-0.0412	7.563852	-3.72787	0.001835	0.006616	-2.00355	8.148843	8.153224	8.157723	8.134066	8.138884	8.159104	8.14097	8.139874	8.14357	8.132595	8.09137	8.108111	8.109526	8.115903	8.126443	8.107635
CBFA2T3	cg2223572	-0.04119	7.120538	-3.07551	0.007252	0.02021	-3.32807	7.866708	7.854126	7.870906	7.858406	7.86789	7.867779	7.867622	7.859539	7.851989	7.839348	7.819566	7.819212	7.828213	7.829571	7.856107	7.814002
MYH9	cg1247488	-0.04116	7.567681	-3.51433	0.002881	0.009559	-2.45456	8.139478	8.144364	8.147245	8.137953	8.116876	8.126967	8.139621	8.157128	8.152007	8.156425	8.106229	8.120956	8.119214	8.142239	8.120002	8.122172
MAPK10	cg2254879	-0.04111	7.928782	-2.7791	0.013421	0.033249	-4.09378	8.411241	8.401365	8.409832	8.407425	8.402534	8.40961	8.38653	8.417154	8.415411	8.360664	8.352434	8.376574	8.346895	8.382668	8.346767	8.376481
DIRAS3	cg1405917	-0.0411	7.989034	-3.53437	0.002761	0.009249	-2.57929	8.442388	8.444115	8.447124	8.461546	8.466884	8.423722	8.446549	8.446948	8.429929	8.441364	8.405076	8.418744	8.403778	8.39264	8.42415	8.413482
NFATC1	cg2611698	-0.04108	7.97422	-2.7799	0.013398	0.033215	-4.11885	8.45245	8.42339	8.436182	8.44363	8.44878	8.394158	8.431051	8.435082	8.4396	8.424137	8.383739	8.410507	8.395123	8.39405	8.395296	8.427272
ALOX15	cg1887491	-0.04107	7.240361	-2.54829	0.021495	0.048609	-4.3651	7.92162	7.940988	7.945989	7.909509	7.933881	7.924696	7.93857	7.942816	7.919306	7.933588	7.88295	7.899356	7.90035	7.933733	7.895181	7.924859
PTPRC	cg2207315	-0.04101	7.907743	-3.57383	0.002541	0.00864	-2.45798	8.37034	8.360994	8.388401	8.399992	8.364985	8.371072	8.39426	8.383653	8.391764	8.386183	8.345349	8.36766	8.368947	8.350179	8.36786	8.346971
THRA	cg2695575	-0.04093	7.589865	-3.77248	0.001671	0.006118	-1.91744	8.158551	8.162162	8.170089	8.162441	8.146402	8.15929	8.159684	8.164645	8.17098	8.147386	8.122821	8.123732	8.130981	8.136878	8.123138	8.149975
TBX5	cg0671756	-0.04086	7.138045	-3.53748	0.002743	0.009207	-2.37027	7.880834	7.858357	7.865372	7.856443	7.878439	7.880151	7.874145	7.871713	7.857205	7.869469	7.835228	7.840858	7.842864	7.851533	7.830938	7.846601
PTCH1	cg0411621	-0.0408	7.866812	-2.78238	0.01333	0.033079	-4.05492	8.370076	8.349116	8.382585	8.339692	8.368786	8.356269	8.358108	8.361951	8.344737	8.336914	8.294757	8.30759	8.318512	8.312955	8.342099	8.342374
NNAT	cg2375772	-0.04075	7.886997	-2.71672	0.015255	0.036935	-4.19483	8.398773	8.373336	8.364681	8.338435	8.389823	8.391891	8.377326	8.365057	8.369579	8.346868	8.321237	8.326081	8.33312	8.331249	8.340162	8.351553
FOXP1	cg2728983	-0.04072	7.762116	-3.61247	0.002342	0.008066	-2.30464	8.269142	8.273093	8.285674	8.286024	8.27691	8.281069	8.299806	8.267741	8.272436	8.281442	8.268449	8.246209	8.236072	8.259289	8.240384	8.250593
RB1	cg1947365	-0.04069	7.848817	-3.64432	0.002189	0.007652	-2.27766	8.33988	8.334758	8.362963	8.323985	8.339321	8.34003	8.333563	8.339884	8.358413	8.337034	8.300436	8.315204	8.312681	8.311107	8.326734	8.303444
SYNM	cg0510689	-0.04066	7.862983	-4.11745	0.000809	0.003398	-1.28661	8.336944	8.355285	8.357097	8.36808	8.353423	8.363498	8.357347	8.345722	8.352578	8.340952	8.323328	8.31813	8.327428	8.30422	8.323171	8.314894
IGFALS	cg0999659	-0.04063	7.874282	-3.03196	0.007942	0.021705	-3.56016	8.364777	8.360773	8.376287	8.355178	8.342652	8.350954	8.368378	8.363531	8.335492	8.374877	8.308386	8.327184	8.316041	8.349064	8.343583	8.334985
SETD2	cg2288505	-0.04062	7.582517	-3.21024	0.005467	0.016113	-3.08733	8.151518	8.155872	8.144126	8.163765	8.157883	8.169269	8.144257	8.147904	8.158202	8.166451	8.147886	8.139862	8.120983	8.117304	8.114183	8.110198
RASSF2	cg0688477	-0.04055	7.853548	-3.42902	0.003449	0.011092	-2.72705	8.343338	8.370688	8.363527	8.360303	8.356626	8.336656	8.330737	8.333241	8.342917	8.347409	8.308339	8.307166	8.310585	8.298541	8.293025	8.331055
STARD13	cg1007792	-0.04045	7.481698	-4.43824	0.000415	0.001992	-0.4967	8.084724	8.083583	8.090502	8.091	8.092342	8.092625	8.08458	8.085747	8.08197	8.093857	8.052712	8.066646	8.064471	8.046106	8.059562	8.058796
RNH1	cg0641796	-0.04044	7.471762	-3.31252	0.004409	0.013539	-2.85372	8.079168	8.099774	8.08125	8.092364	8.078045	8.073924	8.065787	8.097333	8.070279	8.082776	8.051244	8.053756	8.038681	8.044689	8.047243	8.068054
GSN	cg1885509	-0.04041	6.750946	-4.38635	0.000462	0.002165	-0.81428	7.631807	7.626055	7.642021	7.646685	7.633564	7.644203	7.659651	7.651851	7.649238	7.641332	7.624734	7.625357	7.631202	7.630882	7.622242	7.62292
NGFR	cg1704968	-0.04036	7.739818	-4.19844	0.000683	0.00296	-1.06372	8.265308	8.271468	8.251114	8.271165	8.244167	8.272795	8.268104	8.259362	8.269063	8.262114	8.237074	8.234581	8.232673	8.240142	8.233203	8.231339
SPARC	cg2558706	-0.04036	7.882536	-3.33834	0.004175	0.012934	-2.93002	8.382225	8.385233	8.368043	8.370639	8.380618	8.377697	8.359071	8.3752	8.362224	8.337959	8.326912	8.332607	8.304529	8.352206	8.329475	8.323049
CXCL12	cg0934898	-0.04033	7.886575	-4.25538	0.000606	0.002693	-1.01044	8.358827	8.368925	8.378355	8.354704	8.351363	8.379098	8.369498	8.368375	8.372117	8.372244	8.333077	8.346309	8.333568	8.335393	8.350292	8.341484
CBFA2T3	cg0033590	-0.04029	6.784461	-2.79079	0.013101	0.032619	-4.1135	7.66972	7.660481	7.661833	7.639278	7.679618	7.673916	7.655834	7.685929	7.658793	7.654457	7.637597	7.631943	7.634481	7.655845	7.634554	7.641755
RUNX3	cg0297055	-0.04026	7.727936	-3.92606	0.001209	0.004701	-1.63356	8.249484	8.261558	8.251468	8.245184	8.254574	8.259547	8.261691	8.262567	8.254455	8.248032	8.207321	8.218375	8.241509	8.229347	8.235723	8.22981
LIMD1	cg1785864	-0.04024	7.85135	-2.80185	0.012806	0.032058	-4.01159	8.347368	8.337121	8.347405	8.345426	8.333309	8.329164	8.359643	8.339523	8.364682	8.316478	8.313678	8.301381	8.308076	8.334048	8.29459	8.33676
CACNA2D3	cg0552325	-0.04024	7.459289	-3.13254	0.006435	0.018356	-3.22247	8.064984	8.067929	8.069233	8.080982	8.094929	8.064702	8.077545	8.065421	8.07504	8.069703	8.060291	8.02907	8.059527	8.032441	8.048167	8.032793
LATS1	cg1129580	-0.04019	6.685641	-2.53372	0.022136	0.049824	-4.68298	7.584185	7.593407	7.591977	7.592264	7.592163	7.601151	7.627689	7.630071	7.612058	7.615193	7.587372	7.603728	7.594016	7.566674	7.622366	7.610733
ARNTL	cg0114972	-0.04017	7.89613	-2.7762	0.013501	0.033398	-4.08565	8.383855	8.379721	8.386094	8.368651	8.371675	8.345717	8.397127	8.35911	8.357145	8.395299	8.337327	8.34017	8.328281	8.360833	8.356815	8.356535
NEDD4	cg1198174	-0.04015	7.022873	-3.67476	0.002053	0.007251	-2.12234	7.78814	7.784846	7.793336	7.806672	7.803202	7.792302	7.79891	7.811134	7.80407	7.796097	7.781244	7.788362	7.774774	7.775462	7.763405	7.777661
CBFA2T3	cg0370400	-0.04013	7.907276	-4.06565	0.000902	0.003711	-1.41985	8.379165	8.371921	8.380291	8.38089	8.400216	8.382107	8.388855	8.377565	8.39773	8.372475	8.360213	8.362342	8.357136	8.346185	8.344911	8.351189
DMD	cg1346576	-0.04006	7.788437	-3.4066	0.003616	0.011481	-2.74779	8.287944	8.294338	8.30337	8.28193	8.293619	8.282834	8.306588	8.298381	8.319192	8.286538	8.257151	8.280922	8.26801	8.26296	8.273877	8.293885
CLU	cg0035959	-0.04004	7.706424	-2.84546	0.011703	0.029778	-3.86062	8.252196	8.264516	8.263835	8.248769	8.258766	8.246124	8.24231	8.242204	8.232976	8.207916	8.211961	8.183906	8.174127	8.207662	8.22251	8.21184
RNF180	cg1737016	-0.04003	7.616485	-3.28874	0.004635	0.014102	-2.93582	8.175935	8.169471	8.170801	8.178804	8.191171	8.163206	8.186289	8.174639	8.193819	8.16659	8.138056	8.148714	8.171037	8.138722	8.153294	8.158458
PTPRC	cg0815241	-0.04	7.940711	-3.57647	0.002526	0.008606	-2.46825	8.407752	8.406279	8.422979	8.395519	8.395376	8.394836	8.416719	8.407865	8.417963	8.398494	8.358906	8.382987	8.366863	8.385149	8.393455	8.390833
NEDD4L	cg1706603	-0.03991	7.906413	-2.87018	0.01112	0.028578	-3.90001	8.383587	8.399945	8.395131	8.410823	8.374343	8.388364	8.38746	8.386931	8.352772	8.382135	8.342879	8.329746	8.346081	8.35259	8.378248	8.332696
NKX2-8	cg2370593	-0.03991	7.824587	-4.08005	0.000875	0.00362	-1.34874	8.325762	8.320526	8.328571	8.30709	8.327668	8.317552	8.323955	8.32928	8.324125	8.324497	8.290271	8.299785	8.282808	8.284033	8.311214	8.305162
RUNX3	cg1389843	-0.03991	7.693339	-4.39852	0.00045	0.00213	-0.6302	8.23323	8.22383	8.236503	8.228305	8.237311	8.236183	8.230345	8.236872	8.225315	8.229563	8.198843	8.187518	8.215025	8.202388	8.198448	8.205471
DIRAS3	cg2754561	-0.03982	7.984502	-2.5942	0.019587	0.045075	-4.48663	8.470612	8.424207	8.454427	8.46381	8.430357	8.418373	8.426895	8.426168	8.466168	8.431743	8.401157	8.414476	8.409725	8.390968	8.418538	8.407713
APC	cg1652146	-0.0398	7.903657	-2.71624	0.015271	0.036963	-4.20958	8.374022	8.378281	8.391912	8.35462	8.36612	8.372662	8.376609	8.407408	8.397694	8.360494	8.335958	8.340497	8.350804	8.353225	8.37947	8.37167
CUX1	cg0640423	-0.03976	7.972214	-3.29767	0.004549	0.01388	-3.06588	8.435261	8.433254	8.424425	8.41728	8.420056	8.445472	8.41811	8.44161	8.436428	8.431011	8.408338	8.401618	8.393243	8.373891	8.408498	8.422143
TGFBR3	cg1221548	-0.03975	7.8513	-4.52401	0.000347	0.001721	-0.43023	8.34499	8.335615	8.332475	8.351368	8.32539	8.337098	8.34977	8.346224	8.349033	8.339165	8.318236	8.317831	8.309412	8.309691	8.315575	8.325835
TAGLN	cg2656689	-0.03973	7.296853	-2.73475	0.014702	0.035767	-4.00656	7.936233	7.948235	7.965321	7.964975	7.961699	7.938851	7.965934	7.981919	7.991017	7.966003	7.945655	7.945903	7.964857	7.925055	7.953863	7.959467
ZNF366	cg0579798	-0.03972	7.837167	-3.9879	0.001061	0.004229	-1.54985	8.326521	8.333354	8.323155	8.326128	8.333047	8.322185	8.340528	8.332543	8.32042	8.350819	8.318535	8.299886	8.297834	8.29851	8.303357	8.319106
IRF5	cg0302054	-0.03968	7.878752	-3.53697	0.002746	0.009211	-2.51737	8.36505	8.363672	8.373545	8.348831	8.371203	8.357043	8.374982	8.353719	8.342263	8.37882	8.320591	8.327681	8.331934	8.346284	8.336607	8.331311
TBX5	cg0356964	-0.03965	7.787356	-3.18053	0.005819	0.016903	-3.21078	8.311413	8.300701	8.311378	8.313067	8.317143	8.280849	8.291984	8.309096	8.28974	8.278103	8.254065	8.246259	8.263995	8.278543	8.274528	8.258854
RASSF1	cg0074392	-0.03955	7.004532	-4.52418	0.000347	0.001721	-0.35462	7.787327	7.785414	7.789371	7.792221	7.788059	7.781016	7.78259	7.789758	7.79917	7.786776	7.762085	7.763804	7.770674	7.764137	7.767945	7.757226
PPP2R5C	cg0222061	-0.03953	7.791793	-3.07723	0.007226	0.020157	-3.42585	8.313985	8.301688	8.290164	8.298398	8.308687	8.306795	8.316776	8.306022	8.279062	8.29289	8.255673	8.256243	8.274098	8.25584	8.285324	8.288142
WFDC1	cg2304322	-0.03945	7.363187	-3.42747	0.00346	0.011119	-2.60211	8.015905	8.021976	8.014079	8.003144	8.025407	8.039533	7.997571	8.002922	8.006752	8.006823	7.983188	7.977883	7.98095	7.96566	7.966217	7.984341
SPTBN1	cg0620539	-0.03943	6.992691	-2.53657	0.02201	0.049578	-4.44371	7.765025	7.746405	7.748697	7.757847	7.759224	7.763982	7.771729	7.7969	7.805857	7.81301	7.779854	7.781864	7.787474	7.76908	7.764759	7.746554
XAF1	cg0894063	-0.03937	7.11603	-2.84341	0.011753	0.029864	-3.79563	7.854965	7.85048	7.836175	7.848158	7.867496	7.870685	7.845244	7.853928	7.865229	7.857165	7.840375	7.838593	7.839282	7.810197	7.820641	7.828618
ADPRH	cg2635740	-0.03937	7.943513	-3.14571	0.00626	0.017963	-3.36126	8.41659	8.431825	8.418253	8.40633	8.395982	8.434237	8.392794	8.394574	8.418277	8.415284	8.373216	8.371644	8.388745	8.354803	8.386566	8.375935
LIMD1	cg1497054	-0.03935	7.417461	-2.65182	0.01742	0.041034	-4.17828	8.043973	8.029228	8.031545	8.061362	8.057279	8.056057	8.0279	8.054431	8.045603	8.047854	8.035906	8.023791	8.026291	7.994036	8.018227	8.00102
NEDD4L	cg0619962	-0.03935	7.850818	-3.47456	0.003133	0.010233	-2.63169	8.343599	8.344576	8.338016	8.360044	8.344949	8.367067	8.342722	8.349164	8.313094	8.347875	8.309897	8.315011	8.309863	8.313301	8.29959	8.303855
FOXP1	cg0710572	-0.03935	7.959069	-3.91464	0.001238	0.004792	-1.76424	8.418601	8.431103	8.40752	8.426398	8.412959	8.438742	8.42787	8.423322	8.426402	8.403269	8.391516	8.39856	8.380314	8.394728	8.389305	8.385912
NDRG2	cg0562424	-0.03933	7.364672	-3.28531	0.004669	0.014189	-2.89787	8.00817	8.000198	8.02558	8.004513	7.997265	8.011113	8.025574	8.007424	8.005821	8.01042	7.983351	7.979212	7.974433	7.97947	8.007877	7.986642
RASSF5	cg1505715	-0.03932	7.333067	-3.38985	0.003746	0.011809	-2.67876	7.975927	7.981227	7.995733	7.986234	7.995288	7.979713	7.993955	7.994618	7.993359	7.990272	7.96011	7.964932	7.975964	7.947703	7.985303	7.962568
FOXP1	cg1650983	-0.0393	7.606226	-3.20593	0.005517	0.016236	-3.1029	8.179052	8.154443	8.155816	8.176906	8.187601	8.177722	8.171098	8.180004	8.165736	8.165522	8.157111	8.145137	8.138815	8.143392	8.147243	8.121581
CREM	cg0993731	-0.03924	6.727407	-3.03486	0.007895	0.02163	-3.66067	7.624276	7.640799	7.615707	7.619431	7.614501	7.616966	7.621439	7.651846	7.632563	7.650372	7.616686	7.602069	7.617887	7.621042	7.627218	7.608161
DAPK1	cg2505149	-0.03921	7.398996	-2.69877	0.015827	0.038077	-4.08473	8.029732	8.028445	8.037215	8.031214	8.045929	8.031838	8.019871	8.015142	8.050036	8.043499	8.021399	8.006644	8.018694	7.982106	7.988867	8.011699
PLAGL1	cg2346043	-0.03917	7.851652	-3.15377	0.006155	0.017713	-3.29775	8.34571	8.346075	8.351194	8.350559	8.338609	8.354339	8.341955	8.341715	8.343274	8.334055	8.30318	8.307409	8.318763	8.302664	8.346406	8.286244
ABCG2	cg0341585	-0.03906	6.591632	-2.933	0.009761	0.025736	-3.98986	7.551116	7.548577	7.547704	7.561816	7.562494	7.540832	7.573404	7.548095	7.564645	7.579037	7.544278	7.543478	7.563302	7.538871	7.535013	7.536956
BTK	cg1584789	-0.03904	7.588381	-3.00643	0.008377	0.022702	-3.5056	8.169872	8.145718	8.178953	8.156215	8.14734	8.152798	8.156598	8.141684	8.168299	8.169864	8.119723	8.143785	8.128555	8.132413	8.144398	8.116949
LHX6	cg0972348	-0.03904	7.516983	-2.98861	0.008694	0.023396	-3.5251	8.114046	8.090858	8.118533	8.108371	8.111658	8.120744	8.111896	8.094805	8.119076	8.116979	8.100527	8.075854	8.093839	8.061932	8.089899	8.075604
RAP1A	cg0907987	-0.03904	7.900317	-3.73645	0.001802	0.006503	-2.10764	8.385691	8.385664	8.395379	8.358019	8.389611	8.393091	8.378261	8.378538	8.365941	8.374514	8.338226	8.334577	8.339833	8.34827	8.357342	8.349821
ABI2	cg2067524	-0.03903	7.610782	-2.64784	0.017562	0.041303	-4.22536	8.178802	8.164665	8.183082	8.132957	8.187825	8.175347	8.179227	8.176827	8.173319	8.176073	8.146037	8.134832	8.145846	8.165121	8.133158	8.163813
SH2B3	cg0135682	-0.03903	7.472602	-4.32015	0.00053	0.002409	-0.74302	8.075396	8.074461	8.07474	8.083204	8.07849	8.074651	8.077824	8.086065	8.076357	8.094601	8.05405	8.067591	8.054056	8.052802	8.053551	8.054991
WDR48	cg0986428	-0.03894	7.81527	-2.68338	0.016333	0.039058	-4.22283	8.312034	8.321478	8.323639	8.320502	8.348719	8.333774	8.310508	8.304686	8.304098	8.325214	8.279298	8.283557	8.31373	8.249978	8.283813	8.281825
SYNM	cg1864032	-0.03894	7.904099	-4.12655	0.000793	0.003354	-1.28877	8.373231	8.378237	8.399127	8.39284	8.387441	8.368204	8.386105	8.379988	8.377662	8.374207	8.352464	8.348219	8.341274	8.360624	8.347433	8.349334

PPP1R1B	cg2448357	-0.03886	7.889489	-3.25134	0.005015	0.015053	-3.1176	8.372399	8.379197	8.370291	8.392385	8.357803	8.351602	8.377235	8.375587	8.367989	8.359428	8.324469	8.34694	8.327203	8.355251	8.339547	8.350145
DMD	cg2646019	-0.03886	7.504604	-2.7524	0.014178	0.03474	-3.99447	8.117423	8.077023	8.11748	8.116071	8.10064	8.094781	8.113781	8.099273	8.103726	8.089075	8.053505	8.082181	8.079248	8.090008	8.068507	8.07002
MLH1	cg1686319	-0.03881	7.967822	-3.40467	0.003631	0.011522	-2.83866	8.438549	8.433753	8.430468	8.409674	8.447007	8.438971	8.428345	8.431376	8.403901	8.432168	8.38225	8.394532	8.390388	8.392004	8.392749	8.413117
NEDD4L	cg2733720	-0.0388	7.936414	-4.04647	0.000939	0.00383	-1.47458	8.41316	8.412477	8.403422	8.395466	8.407964	8.399417	8.405181	8.397967	8.41165	8.400327	8.380899	8.365326	8.367612	8.362477	8.374158	8.39437
TRIM3	cg1441771	-0.03875	7.941336	-4.51648	0.000353	0.001744	-0.48877	8.404863	8.413599	8.412109	8.419949	8.408969	8.399686	8.411812	8.398374	8.420401	8.396602	8.382441	8.378433	8.373282	8.374237	8.376095	8.378382
PTCH1	cg2044563	-0.03869	7.917779	-2.74347	0.014441	0.035282	-4.16277	8.400039	8.396321	8.390441	8.396976	8.346733	8.380351	8.385296	8.395041	8.395028	8.401179	8.358545	8.368234	8.343914	8.388878	8.358583	8.369647
SLC5A8	cg2143169	-0.03867	7.609524	-3.14565	0.006261	0.017963	-3.22877	8.176934	8.163754	8.155504	8.180839	8.157754	8.174495	8.179124	8.180491	8.167635	8.177379	8.151557	8.146607	8.145468	8.121644	8.160411	8.163404
CUX1	cg1224162	-0.03865	7.948553	-3.06488	0.007415	0.02058	-3.53397	8.409259	8.412307	8.410889	8.413066	8.417114	8.378454	8.41783	8.4138	8.439185	8.39735	8.378765	8.39092	8.383312	8.40299	8.374624	8.393719
ZHX2	cg0515368	-0.03861	7.568452	-2.9283	0.009857	0.025911	-3.65782	8.13706	8.12703	8.142359	8.153477	8.164702	8.151893	8.138872	8.145912	8.1515	8.142554	8.138426	8.122009	8.123473	8.098503	8.102815	8.116868
JDP2	cg0433224	-0.0386	7.867933	-3.1502	0.006202	0.017812	-3.31244	8.368974	8.356446	8.364289	8.35793	8.362203	8.362858	8.368462	8.361716	8.32583	8.344624	8.308874	8.32027	8.299809	8.329212	8.337162	8.330557
SRPX	cg1547929	-0.03845	7.906304	-3.13995	0.006336	0.018152	-3.35763	8.363824	8.381178	8.386383	8.389358	8.37169	8.370809	8.386894	8.397357	8.392823	8.364663	8.358632	8.359433	8.337243	8.347192	8.353048	8.381438
NDRG2	cg1570372	-0.0384	7.642589	-3.71869	0.001871	0.006716	-2.04539	8.199266	8.198231	8.201359	8.194778	8.1945	8.190885	8.206487	8.20483	8.181591	8.188492	8.159749	8.157285	8.158962	8.173788	8.184473	8.170088
RUNX3	cg0986294	-0.03834	7.72774	-3.01306	0.008262	0.022439	-3.5315	8.27738	8.254252	8.26204	8.241363	8.253851	8.275151	8.234905	8.257043	8.254956	8.258957	8.229235	8.234066	8.20647	8.211387	8.220426	8.237338
DMD	cg2420079	-0.03834	7.544453	-3.37758	0.003844	0.012072	-2.73158	8.147742	8.138863	8.132673	8.124575	8.131598	8.129768	8.11286	8.135914	8.119273	8.1352	8.079758	8.104032	8.094172	8.110886	8.097457	8.104108
TAGLN	cg1160966	-0.03834	7.98853	-3.82855	0.001484	0.005542	-1.96051	8.444887	8.442854	8.439824	8.45637	8.432291	8.459456	8.440509	8.4294	8.437617	8.454023	8.416028	8.418563	8.420028	8.405313	8.395577	8.409611
PTPN1	cg0987928	-0.0383	7.963762	-3.3347	0.004208	0.013022	-2.98477	8.423896	8.417073	8.427046	8.437228	8.400283	8.426413	8.417838	8.441683	8.425271	8.417636	8.407679	8.387161	8.383491	8.41609	8.388337	8.394321
PPP1R1B	cg0976277	-0.03824	7.662559	-2.95234	0.009376	0.024893	-3.63527	8.222156	8.233066	8.217303	8.223634	8.206118	8.194457	8.22056	8.190752	8.195721	8.215308	8.176208	8.170854	8.159761	8.186334	8.184998	8.187691
NDN	cg2672589	-0.03821	7.552179	-2.69563	0.015929	0.038267	-4.11688	8.121539	8.116436	8.116476	8.134209	8.128488	8.14351	8.129414	8.142229	8.141074	8.141453	8.116793	8.123425	8.122324	8.074431	8.122864	8.107254
ZNF366	cg1124658	-0.03819	7.642122	-4.17688	0.000714	0.00307	-1.0807	8.195292	8.195523	8.20235	8.199132	8.19983	8.199704	8.183521	8.1928	8.193576	8.203956	8.171434	8.169152	8.16787	8.157582	8.154095	8.173862
ALDH1A2	cg0278166	-0.03815	7.205345	-2.85807	0.011402	0.029172	-3.75904	7.896026	7.892583	7.901573	7.891983	7.903307	7.919123	7.908009	7.910044	7.917377	7.9238	7.883789	7.894669	7.909192	7.870303	7.89966	7.87793
IRX1	cg0981361	-0.03815	7.690116	-4.17682	0.000714	0.00307	-1.09525	8.231364	8.230627	8.23015	8.224113	8.21717	8.225718	8.235136	8.232063	8.224308	8.227804	8.185863	8.20022	8.199077	8.202716	8.211942	8.210998
EPAS1	cg1260813	-0.03811	7.875949	-3.02612	0.00804	0.021939	-3.57207	8.365648	8.375054	8.36621	8.37602	8.348934	8.337383	8.363467	8.367699	8.34478	8.362147	8.315868	8.32514	8.316275	8.337132	8.345218	8.344324
WFDC1	cg0990414	-0.0381	7.597649	-3.80265	0.001568	0.005809	-1.85619	8.166566	8.153573	8.164519	8.165144	8.166139	8.167829	8.169168	8.158813	8.153884	8.180179	8.139591	8.145661	8.136464	8.125455	8.134865	8.145772
SSBP2	cg2264983	-0.03808	7.88958	-2.67119	0.016745	0.039836	-4.28916	8.375179	8.37085	8.369029	8.351457	8.354603	8.373984	8.375216	8.384415	8.361046	8.370096	8.33177	8.328744	8.339058	8.372239	8.371763	8.319128
SYK	cg0696745	-0.03802	7.885073	-3.28788	0.004644	0.014123	-3.03876	8.363123	8.375809	8.369408	8.390115	8.347473	8.375351	8.37626	8.355979	8.36054	8.366521	8.348624	8.336964	8.322399	8.323385	8.3457	8.338866
SSBP2	cg0037505	-0.038	7.969089	-3.24049	0.00513	0.015313	-3.1826	8.432273	8.436351	8.414263	8.411269	8.444725	8.420417	8.405057	8.434563	8.444778	8.431685	8.406337	8.40308	8.405741	8.393748	8.401174	8.388477
TSPAN32	cg0560854	-0.038	7.614261	-2.71374	0.015349	0.037134	-4.09877	8.150173	8.161946	8.156315	8.176483	8.19373	8.164437	8.172848	8.186438	8.18346	8.184068	8.170547	8.152792	8.175067	8.147538	8.142881	8.13608
LIMD1	cg1035185	-0.03799	7.663572	-3.29618	0.004563	0.013909	-2.93452	8.199597	8.201651	8.215952	8.194249	8.207777	8.219386	8.228061	8.204157	8.222537	8.194857	8.178456	8.193893	8.179022	8.177328	8.194965	8.183829
TRIM13	cg0198540	-0.03796	7.882008	-3.22588	0.00529	0.0157	-3.16189	8.386299	8.364698	8.377024	8.383818	8.387571	8.371677	8.361979	8.356004	8.343202	8.363993	8.334417	8.317745	8.332485	8.352344	8.322906	8.30547
NTRK3	cg1422025	-0.03791	7.660396	-2.6086	0.019022	0.044049	-4.31479	8.233087	8.220401	8.209723	8.208116	8.196143	8.202377	8.207601	8.223463	8.197716	8.194135	8.161571	8.167158	8.159326	8.187487	8.204751	8.188005
CUX1	cg1566969	-0.03789	7.873418	-3.18891	0.005718	0.016665	-3.23751	8.369009	8.361849	8.364127	8.353721	8.354976	8.358281	8.365428	8.361591	8.346573	8.35532	8.327818	8.316074	8.314725	8.329966	8.364194	8.318464
PRODH	cg1432635	-0.03789	7.121485	-3.69163	0.001981	0.007049	-2.04899	7.85582	7.840329	7.853386	7.8573	7.858761	7.854379	7.851998	7.867805	7.857597	7.866268	7.846657	7.831369	7.840265	7.82562	7.839139	7.832784
MTUS1	cg0269870	-0.03786	7.70868	-2.91586	0.010115	0.026475	-3.72385	8.239106	8.250741	8.230862	8.252673	8.217675	8.234941	8.245177	8.241415	8.254871	8.233456	8.189681	8.218911	8.229586	8.228281	8.20741	8.221072
DAPK2	cg0745605	-0.03775	7.155256	-3.01235	0.008274	0.022461	-3.45132	7.862349	7.866978	7.881097	7.879236	7.890608	7.884939	7.871406	7.89253	7.866341	7.886737	7.850112	7.858818	7.86706	7.843981	7.857912	7.847455
PTPN6	cg2684281	-0.03772	7.82814	-3.12797	0.006497	0.018517	-3.34109	8.32914	8.329683	8.331262	8.319233	8.305746	8.326758	8.33617	8.324881	8.323926	8.323521	8.285556	8.292593	8.292276	8.295657	8.293729	8.332812
PLAGL1	cg2721638	-0.03772	7.816625	-2.93933	0.009633	0.025452	-3.7206	8.311786	8.318895	8.321072	8.309798	8.281535	8.315681	8.314686	8.318004	8.33634	8.320181	8.286961	8.282543	8.301766	8.279659	8.318778	8.293971
ILK	cg0949176	-0.03767	7.915403	-4.71348	0.000235	0.001259	-0.06531	8.396081	8.39183	8.389256	8.390564	8.380081	8.389589	8.38508	8.377369	8.398628	8.391913	8.360909	8.366561	8.357001	8.356089	8.358086	8.358327
FOXP1	cg2050634	-0.03767	7.773609	-2.97099	0.009019	0.024128	-3.63354	8.291911	8.282871	8.275092	8.296535	8.294459	8.30186	8.307744	8.280108	8.280576	8.271482	8.262849	8.262058	8.248005	8.236867	8.255017	8.276679
PLEKHO1	cg1732718	-0.03763	7.208731	-3.44008	0.003369	0.010873	-2.56907	7.913489	7.90599	7.917974	7.893769	7.921498	7.902451	7.913485	7.91108	7.922396	7.904641	7.888586	7.885898	7.88165	7.900505	7.884679	7.884596
CUX1	cg0567405	-0.03761	7.839171	-3.47429	0.003135	0.010236	-2.62965	8.344881	8.32656	8.332837	8.338963	8.307289	8.332451	8.339678	8.333758	8.333181	8.335822	8.313327	8.291168	8.301957	8.323154	8.312942	8.300902
CDKN1C	cg1139977	-0.03756	7.733646	-4.10106	0.000837	0.003488	-1.26481	8.267619	8.260671	8.266862	8.270127	8.282385	8.257548	8.254505	8.262646	8.251819	8.245546	8.227203	8.228649	8.218698	8.226537	8.220852	8.233126
NNAT	cg2360567	-0.03749	7.914776	-3.74531	0.001769	0.006409	-2.09812	8.389624	8.401439	8.372163	8.389846	8.384875	8.400939	8.375045	8.391738	8.394268	8.388108	8.366723	8.356383	8.367889	8.344482	8.356647	8.360026
RPS6KA2	cg0312011	-0.03749	7.525545	-2.94186	0.009583	0.02536	-3.62197	8.103625	8.102108	8.123008	8.120738	8.117543	8.088399	8.124817	8.104279	8.126776	8.12465	8.097246	8.085966	8.101161	8.074415	8.100385	8.100861
PAX6	cg0878292	-0.03748	7.845849	-3.37967	0.003827	0.012032	-2.82922	8.347551	8.347309	8.323735	8.348199	8.342693	8.321995	8.341422	8.320219	8.345089	8.346757	8.318001	8.304784	8.319676	8.3061	8.300223	8.311664
DLC1	cg2015886	-0.03735	7.01856	-2.58469	0.019968	0.045787	-4.3473	7.806729	7.805292	7.785206	7.798933	7.770405	7.812748	7.793138	7.789235	7.811384	7.792008	7.771147	7.785575	7.759182	7.762785	7.775662	7.780017
TSSC4	cg1822604	-0.03733	7.857588	-2.85714	0.011424	0.029209	-3.9028	8.349203	8.343312	8.367267	8.334388	8.362514	8.339487	8.356304	8.346749	8.345506	8.332721	8.305588	8.311812	8.309656	8.318435	8.307056	8.350214
FOXP1	cg0804922	-0.0373	7.861105	-3.01245	0.008273	0.022461	-3.59422	8.353948	8.346597	8.348811	8.329024	8.344048	8.34356	8.367489	8.342917	8.339234	8.359899	8.302482	8.324824	8.322362	8.350355	8.31315	8.331707
GATA5	cg1483117	-0.03729	7.354629	-2.58912	0.01979	0.045441	-4.29308	8.000883	7.997067	8.000686	8.018822	8.00854	8.018469	7.992269	7.990298	8.00288	8.020215	7.983494	8.00073	7.980725	7.96332	7.956298	7.969511
RNH1	cg0348423	-0.03725	7.59085	-3.92452	0.001213	0.004712	-1.59719	8.162398	8.171035	8.160405	8.163114	8.168733	8.154813	8.147613	8.154921	8.166597	8.163198	8.135578	8.133705	8.132047	8.127825	8.119177	8.138666
THBD	cg0927994	-0.03725	7.621693	-4.05574	0.00092	0.003767	-1.33125	8.180161	8.174137	8.179916	8.181214	8.171888	8.166428	8.17672	8.1803	8.193789	8.186993	8.157948	8.161398	8.152259	8.147103	8.167617	8.15777
TCF7L2	cg1631004	-0.03724	7.766319	-3.11916	0.006618	0.01876	-3.32785	8.292145	8.286035	8.293031	8.296462	8.267373	8.308957	8.277637	8.294183	8.27112	8.262798	8.240821	8.245336	8.240636	8.262831	8.247026	8.255609
STARD13	cg2356906	-0.03722	7.600729	-3.44234	0.003353	0.01083	-2.61207	8.158466	8.160781	8.16394	8.170265	8.166	8.170414	8.163695	8.155128	8.179725	8.173061	8.141229	8.154662	8.153552	8.128302	8.137649	8.13028
IFT88	cg1632324	-0.03721	7.824302	-3.48306	0.003077	0.010083	-2.60247	8.328211	8.334612	8.329366	8.331887	8.310563	8.31341	8.326692	8.32116	8.315317	8.324429	8.280918	8.288012	8.290478	8.293726	8.318842	8.291503
FBXL13	cg2384270	-0.0372	7.40853	-3.15842	0.006095	0.017572	-3.16304	8.038814	8.044345	8.0329	8.033372	8.04495	8.047067	8.044209	8.027495	8.033895	8.044591	8.009783	8.003919	8.025006	8.030453	7.993927	8.006422
PAX6	cg0904167	-0.03715	7.826744	-3.39151	0.003733	0.011784	-2.79315	8.326011	8.343101	8.337815	8.320753	8.320792	8.337386	8.314602	8.328953	8.326193	8.313821	8.287829	8.296338	8.278328	8.31631	8.294969	8.283945
FOXO1	cg2661168	-0.03713	7.352075	-3.37706	0.003848	0.012082	-2.70674	8.00235	7.994077	8.004703	7.981654	8.007027	8.003117	8.001781	8.012153	7.995801	8.005686	7.968815	7.973936	7.98139	7.981235	7.994291	7.969458
NTRK3	cg1110867	-0.0371	7.726341	-3.66423	0.002099	0.007384	-2.18298	8.256453	8.268308	8.262942	8.249141	8.249301	8.250729	8.243381	8.260703	8.248674	8.255535	8.22689	8.214034	8.212529	8.240768	8.232157	8.221295
EHD3	cg1204552	-0.03705	7.522367	-2.66878	0.016828	0.039982	-4.16172	8.1051	8.101277	8.109038	8.118214	8.128599	8.120312	8.110422	8.09913	8.131682	8.114082	8.097503	8.09244	8.110553	8.068753	8.079333	8.075758
NTRK3	cg0501269	-0.03701	7.573383	-3.03989	0.007812	0.021445	-3.43288	8.161447	8.15224	8.168388	8.137922	8.135554	8.163472	8.140427	8.152414	8.150331	8.137491	8.114623	8.110648	8.105601	8.12799	8.117181	8.135017
PKD1	cg0898321	-0.03697	7.792243	-2.66365	0.017005	0.040311	-4.25465	8.302794	8.292733	8.311859	8.296843	8.283435	8.284496	8.302841	8.310415	8.275819	8.322473	8.2829	8.255737	8.258415	8.28763	8.274577	8.291773
GPRC5A	cg2458762	-0.03696	7.500816	-3.59824	0.002413	0.008277	-2.26305	8.098197	8.097782	8.103392	8.104221	8.109764	8.106276	8.106979	8.090446	8.082309	8.108373	8.068216	8.076657	8.072068	8.081322	8.062485	8.06371
IRF8	cg2287341	-0.03693	7.558343	-2.59755	0.019454	0.044805	-4.30844	8.122329	8.156065	8.153692	8.118347	8.123457	8.128794	8.136782	8.141961	8.134121	8.149106	8.11131	8.110642	8.095467	8.112731	8.142331	8.111135
NFATC1	cg0775904	-0.03688	7.883185	-3.42516	0.003477	0.011155	-2.7526	8.366432	8.357003	8.378677	8.371485	8.378175	8.356087	8.377006	8.369472	8.3546	8.352858	8.33344	8.331439	8.323947	8.335126	8.332518	8.356388
TSPAN32	cg0083379	-0.03688	7.161983	-3.37347	0.003878	0.012157	-2.70897	7.871662	7.863808	7.875682	7.870505	7.876711	7.88197	7.887629	7.898238	7.886657	7.879491	7.865579	7.859975	7.863405	7.882392	7.85199	7.857317
FHL1	cg1190699	-0.03676	7.121319	-2.69183	0.016053	0.038499	-4.09437	7.873107	7.855528	7.877397	7.840587	7.862746	7.865244	7.863635	7.851327	7.847924	7.856664	7.831238	7.815421	7.823113	7.851073	7.841476	7.821878
PAX6	cg0800599	-0.03666	6.964737	-2.87909	0.010916	0.028174	-3.80733	7.746232	7.773207	7.772503	7.761408	7.770827	7.756598	7.749175	7.774244	7.769392	7.770078	7.745607	7.729082	7.757276	7.748493	7.73761	7.736097
SYNM	cg1710233	-0.03666	7.855676	-3.64681	0.002178	0.007621	-2.27585	8.338597	8.330562	8.347311	8.344266	8.351264	8.352963	8.344657	8.346073	8.352395	8.340637	8.331644	8.324891	8.316322	8.297039	8.316657	8.322721
NDN	cg1382875	-0.03663	7.511335	-3.32077	0.004333	0.013366	-2.844	8.098331	8.112667	8.101116	8.093931	8.096125	8.115083	8.110933	8.101398	8.112151	8.108958	8.080441	8.0827	8.083421	8.065825	8.102438	8.07857
ZFHX3	cg0228425	-0.03663	7.741025	-3.11488	0.006678	0.018896	-3.32804	8.275513	8.280968	8.256245	8.27442	8.263825	8.2682	8.273783	8.26649	8.244096	8.256191	8.229331	8.217525	8.228732	8.24729	8.251022	8.223832
BTG3	cg0576276	-0.0366	7.038054	-3.16883	0.005964	0.017251	-3.16373	7.796685	7.805867	7.811612	7.806034	7.804787	7.786698	7.816732	7.812349	7.803902	7.812293	7.774157	7.783347	7.789821	7.804008	7.779437	7.794848
MLH1	cg1702452	-0.03652	7.901965	-2.68502	0.016278	0.038966	-4.26667	8.385454	8.395997	8.389377	8.388788	8.354529	8.368351	8.382022	8.367904	8.372494	8.388158	8.348129	8.332741	8.344205	8.375961	8.36466	8.33308
PAX6	cg2013119	-0.03652	7.564249	-2.99398	0.008597	0.02319	-3.52382	8.133488	8.137998	8.140721	8.156162	8.151755	8.151803	8.149936	8.138322	8.123279	8.147557	8.101794	8.131301	8.117721	8.096768	8.120061	8.113352
CBFA2T3	cg0943799	-0.03649	7.701691	-3.09373	0.00698	0.019602	-3.36089	8.233333	8.244153	8.234168	8.242465	8.2236	8.236133	8.252359	8.230458	8.242862	8.220617	8.196239	8.21326	8.2036	8.197137	8.21924	8.228383
RASL11A	cg2138446	-0.03646	7.653166	-3.37574	0.003859	0.01211	-2.76628	8.195909	8.19045	8.208336	8.192044	8.200897	8.208727	8.213256	8.190277	8.203009	8.211365	8.183667	8.176551	8.179571	8.157695	8.182461	8.186781
SIRT1	cg1215950	-0.03636	7.831952	-3.27631	0.004758	0.01444	-3.03948	8.319497	8.325566	8.326536	8.320307	8.319777	8.307245	8.336718	8.338361	8.329813	8.32793	8.315004	8.287675	8.293922	8.332784	8.298794	8.306401
ILK	cg1486908	-0.03635	7.934687	-3.52169	0.002836	0.009454	-2.58137	8.402587	8.39101	8.387442	8.406611	8.374429	8.403365	8.407981	8.397111	8.422721	8.401643	8.379196	8.383992	8.387002	8.371549	8.383947	8.371047
PIN1	cg1813487	-0.0363	7.889585	-2.96642	0.009105	0.024321	-3.69866	8.382362	8.381188	8.368669	8.392794	8.352615	8.376215	8.368098	8.360706	8.366987	8.368368	8.348004	8.344796	8.321152	8.323016	8.333423	8.360333
LHX6	cg1026490	-0.03623	7.622863	-3.242	0.005114	0.01528	-3.03487	8.172062	8.18523	8.164535	8.191687	8.175558	8.163668	8.199615	8.187216	8.185203	8.169702	8.162882	8.14828	8.152669	8.158385	8.168321	8.163501
RASSF5	cg1016729	-0.03619	7.207297	-3.84349	0.001438	0.005411	-1.72437	7.916415	7.912921	7.903815	7.909763	7.914198	7.916213	7.916898	7.909696	7.909044	7.900808	7.880799	7.888338	7.882242	7.892352	7.890535	7.874459
PTPRK	cg1504990	-0.03616	7.886295	-4.29999	0.000552	0.002494	-0.91381	8.369851	8.377215	8.374871	8.375749	8.363117	8.372828	8.373847	8.365272	8.354879	8.362743	8.330092	8.334591	8.328941	8.342055	8.33509	8.34934
CUX1	cg2440093	-0.03615	7.938413	-2.79568	0.01297	0.032383	-4.06839	8.414452	8.417968	8.395697	8.394916	8.396141	8.414773	8.417758	8.402927	8.383114	8.415275	8.356098	8.386606	8.365951	8.367322	8.394582	8.391726
DOK3	cg1367658	-0.03614	7.35847	-3.26208	0.004903	0.014788	-2.94526	7.998028	8.001555	8.003117	8.010291	8.003971	8.000409	8.001395	8.016318	7.989504	8.023313	7.977141	7.976642	7.994866	7.975875	7.987533	7.983203
HRASLS2	cg1358772	-0.03611	7.65626	-3.63273	0.002244	0.007803	-2.23124	8.20485	8.204894	8.192715	8.188743	8.186386	8.206992	8.212664	8.200601	8.214181	8.208274	8.168763	8.181171	8.190324	8.18777	8.189883	8.17675
EYA4	cg0618151	-0.03609	7.423835	-2.67211	0.016713	0.039777	-4.14003	8.032548	8.027294	8.027058	8.048746	8.066378	8.058058	8.063866	8.054899	8.044671	8.041701	8.037234	8.023354	8.035194	8.019522	8.023193	8.016991
TAGLN	cg2085485	-0.03602	7.595573	-2.96431	0.009146	0.024391	-3.59181	8.176237	8.163693	8.155274	8.173256	8.167098	8.169593	8.147638	8.149442	8.174366	8.169659	8.132809	8.149195	8.149516	8.121366	8.124513	8.127685
RUNX3	cg2273700	-0.03593	7.633982	-2.69189	0.016051	0.038499	-4.14644	8.197524	8.175393	8.168106	8.187114	8.185739	8.200331	8.179182	8.198144	8.191134	8.196976	8.18751	8.151955	8.17925	8.146177	8.167362	8.158544
LITAF	cg0459635	-0.03592	7.281771	-3.13579	0.006392	0.018257	-3.19972	7.933734	7.967136	7.941932	7.948764	7.938666	7.958795	7.955973	7.964008	7.960904	7.967372	7.946938	7.943424	7.932812	7.932114	7.940882	7.928764
CDH4	cg1317578	-0.03585	7.485724	-2.90236	0.010402	0.027078	-3.69266	8.118083	8.093329	8.097539	8.068614	8.098876	8.089402	8.08356	8.084329	8.08749	8.088229	8.048822	8.057206	8.059981	8.070909	8.056103	8.069638
TCF7L2	cg1649154	-0.03585	7.756055	-2.85868	0.011387	0.029142	-3.85405	8.259353	8.272693	8.277178	8.271359	8.266969	8.269612	8.275385	8.285654	8.291388	8.255352	8.26992	8.246942	8.223925	8.246286	8.256439	8.257615
PPP1R1B	cg2193465	-0.0358	7.648478	-2.76544	0.013803	0.034028	-4.00598	8.206484	8.208305	8.20521	8.196403	8.185713	8.1779	8.204463	8.202561	8.202015	8.193646	8.157906	8.160202	8.167938	8.172555	8.189778	8.198467
NNAT	cg1547347	-0.0357	7.904434	-3.88737	0.001311	0.005043	-1.79736	8.378742	8.361238	8.36408	8.365121	8.371572	8.378395	8.371298	8.392743	8.389261	8.392616	8.364156	8.366165	8.362454	8.352147	8.362224	8.347878
STK10	cg2600608	-0.03569	7.92062	-3.1014	0.006869	0.019346	-3.44103	8.40161	8.38715	8.411187	8.371167	8.400045	8.40637	8.392264	8.394187	8.372816	8.398556	8.351001	8.363612	8.35262	8.366226	8.375739	8.363623
HIVEP3	cg0891592	-0.03568	6.736469	-2.58103	0.020117	0.046045	-4.55988	7.65517	7.627035	7.631106	7.61968	7.619189	7.647643	7.637841	7.647964	7.646052	7.623698	7.610187	7.605616	7.614875	7.623989	7.62486	7.624056
SPARC	cg2211667	-0.03558	7.508165	-3.20464	0.005532	0.01627	-3.08189	8.103208	8.107555	8.113772	8.108998	8.106326	8.122966	8.104547	8.105569	8.085694	8.104177	8.060086	8.077684	8.081182	8.09253	8.070761	8.065511
NR2C2	cg0246033	-0.03556	7.864997	-3.09758	0.006924	0.019473	-3.41909	8.366289	8.351814	8.349032	8.365334	8.352037	8.363985	8.360414	8.361351	8.332316	8.33738	8.304963	8.317427	8.321213	8.327254	8.34198	8.312507
PRDM11	cg0159974	-0.03554	7.729505	-3.77878	0.001649	0.006052	-1.94278	8.271298	8.258928	8.257473	8.256366	8.26307	8.253225	8.249189	8.250471	8.264734	8.24607	8.214842	8.225621	8.235461	8.22031	8.226793	8.23441
MCPH1	cg2070102	-0.0355	7.917781	-2.84957	0.011604	0.029591	-3.95138	8.384401	8.392294	8.388351	8.38027	8.401008	8.374086	8.398249	8.400027	8.398088	8.370728	8.347962	8.377379	8.348901	8.375925	8.353682	8.383771
NGFR	cg2044257	-0.03545	7.547072	-2.79523	0.012982	0.032393	-3.91828	8.12818	8.117831	8.123631	8.128858	8.15978	8.128154	8.136781	8.145518	8.115485	8.11965	8.107123	8.100976	8.100074	8.094849	8.110945	8.10908
STK10	cg1059799	-0.03542	7.74199	-3.12267	0.00657	0.018675	-3.31282	8.266892	8.272462	8.277723	8.275497	8.264988	8.250731	8.244112	8.278121	8.264901	8.2601	8.227996	8.226876	8.239377	8.234815	8.253191	8.230388
EMP2	cg0971268	-0.0354	7.864758	-2.71238	0.015392	0.037194	-4.19285	8.367286	8.351984	8.346659	8.375441	8.34025	8.349624	8.373875	8.344332	8.3241	8.354783	8.316494	8.315876	8.314587	8.322274	8.336769	8.328226
CADM3	cg1554991	-0.03528	7.348726	-3.13804	0.006362	0.018207	-3.19895	8.00369	8.017803	8.001332	7.990726	8.016659	7.99521	7.992281	7.997255	7.994795	8.001472	7.963037	7.972459	7.97465	7.976143	7.986122	7.959709
STK11	cg0831725	-0.03526	6.92104	-3.63549	0.002231	0.007767	-2.27247	7.723863	7.722048	7.732595	7.728413	7.733227	7.726077	7.743236	7.747992	7.73988	7.754621	7.72949	7.726717	7.722028	7.714879	7.736847	7.714377
CYLD	cg1489351	-0.03515	7.879798	-3.01306	0.008262	0.022439	-3.59939	8.367196	8.371251	8.361495	8.368093	8.370544	8.364447	8.377779	8.367601	8.345157	8.346683	8.314422	8.331223	8.326679	8.325168	8.341383	8.356556
GSN	cg2557812	-0.03507	7.599203	-2.76763	0.013741	0.033889	-3.98568	8.164045	8.156012	8.182409	8.182556	8.15739	8.172175	8.161389	8.164068	8.15099	8.175112	8.136146	8.12525	8.15224	8.156937	8.128977	8.125055
ING4	cg2449433	-0.03506	7.798181	-3.53148	0.002778	0.009297	-2.48722	8.299321	8.313696	8.321325	8.310431	8.314873	8.304486	8.295019	8.301818	8.296696	8.304804	8.269884	8.279344	8.270035	8.253677	8.283034	8.283651
EPB41L3	cg1487451	-0.035	7.243487	-3.06003	0.00749	0.020744	-3.35235	7.929462	7.922434	7.933512	7.93892	7.945232	7.942107	7.935034	7.928688	7.929439	7.930444	7.92865	7.911794	7.894913	7.902214	7.901038	7.904373
CBFA2T3	cg0797557	-0.03498	7.558359	-3.0073	0.008362	0.022677	-3.49499	8.149028	8.14278	8.149657	8.146312	8.137579	8.141785	8.128039	8.121803	8.127995	8.155264	8.10046	8.128461	8.104384	8.102623	8.09952	8.112881
HIVEP3	cg1960964	-0.03495	6.899271	-2.55945	0.021015	0.047726	-4.48219	7.740911	7.72636	7.729071	7.709549	7.724617	7.751095	7.71459	7.744691	7.719068	7.721439	7.698173	7.705644	7.691865	7.702149	7.706147	7.713389
ERBB4	cg2462243	-0.03494	7.953214	-3.62733	0.002269	0.007874	-2.36559	8.421944	8.408096	8.425579	8.424225	8.426131	8.408956	8.409548	8.422914	8.401882	8.419418	8.378928	8.39197	8.385082	8.381114	8.378549	8.403661
DKK3	cg1126048	-0.0349	7.480123	-2.86608	0.011214	0.02877	-3.76414	8.076613	8.093127	8.08603	8.094458	8.095794	8.099772	8.091993	8.080093	8.070077	8.084111	8.05506	8.057516	8.062823	8.050727	8.078753	8.035817
MOB1B	cg1784036	-0.03489	7.477096	-2.62676	0.018333	0.042788	-4.23565	8.090753	8.079496	8.086362	8.064309	8.078729	8.081159	8.096821	8.09238	8.085919	8.06434	8.040191	8.055628	8.055184	8.082659	8.071137	8.055483
PIAS1	cg1179630	-0.03482	7.947264	-3.63426	0.002236	0.007785	-2.35004	8.404292	8.413836	8.413489	8.406677	8.411525	8.400362	8.41392	8.411899	8.421198	8.404581	8.383708	8.377922	8.390131	8.371809	8.409071	8.383901
NEDD4L	cg2603476	-0.03474	7.442535	-2.96465	0.009139	0.024391	-3.56153	8.054209	8.041818	8.052982	8.07219	8.068149	8.062232	8.068397	8.057457	8.055307	8.063651	8.055621	8.037709	8.037763	8.022157	8.032525	8.034199
CBFA2T3	cg1454148	-0.03472	7.492727	-3.48726	0.00305	0.01001	-2.49321	8.101088	8.100848	8.090035	8.092696	8.110616	8.111639	8.086815	8.089716	8.083652	8.094942	8.063275	8.070964	8.068304	8.054084	8.070803	8.056869
TAGLN	cg1013056	-0.03459	7.695275	-2.88285	0.010831	0.027981	-3.78685	8.208258	8.217524	8.240378	8.240712	8.226506	8.211762	8.227858	8.233126	8.235238	8.245798	8.213798	8.198663	8.229898	8.204277	8.207059	8.205764
TAGLN	cg2605874	-0.03458	7.60815	-2.66409	0.01699	0.040284	-4.19226	8.18527	8.170142	8.146456	8.170292	8.167854	8.184006	8.184912	8.169119	8.178229	8.153857	8.146963	8.15819	8.132009	8.156019	8.136804	8.147963
PYCARD	cg0105910	-0.03455	7.90216	-2.70585	0.015599	0.037623	-4.22756	8.373274	8.382953	8.388058	8.349241	8.375816	8.382132	8.38567	8.386257	8.370668	8.377791	8.35024	8.33499	8.345067	8.371943	8.343081	8.376761
PCDHGC3	cg1287703	-0.03454	7.845686	-3.23252	0.005217	0.015531	-3.13494	8.326464	8.335896	8.347516	8.338023	8.335278	8.327911	8.335583	8.327164	8.334312	8.358765	8.321824	8.317464	8.310486	8.29662	8.324039	8.306084
ING5	cg1514120	-0.03453	7.592423	-3.55667	0.002634	0.008901	-2.3712	8.158409	8.158603	8.163077	8.146783	8.158721	8.161196	8.166996	8.145128	8.162951	8.173182	8.142039	8.143484	8.130048	8.135137	8.138217	8.132744
HIVEP3	cg1266672	-0.03453	7.266068	-2.71368	0.015351	0.037134	-4.0455	7.952713	7.953508	7.943203	7.958448	7.937761	7.960793	7.942744	7.935937	7.934476	7.962647	7.932987	7.930551	7.914715	7.928402	7.910039	7.905592
PAX6	cg1400234	-0.03445	7.473422	-2.76205	0.0139	0.0342	-3.97076	8.07957	8.078678	8.067188	8.062225	8.076483	8.08586	8.074755	8.09167	8.100838	8.068278	8.05461	8.063847	8.056301	8.044161	8.060136	8.077046

STAT3	cg0830898	-0.03441	7.886373	-3.90598	0.001261	0.004874	-1.74703	8.377713	8.358497	8.354715	8.349804	8.364535	8.36631	8.370015	8.365668	8.377537	8.365706	8.349893	8.343417	8.336017	8.344954	8.338779	8.34762
PCDH17	cg0076670	-0.03438	7.841593	-2.53947	0.021881	0.049366	-4.51804	8.331782	8.338259	8.307288	8.344303	8.335294	8.337343	8.35124	8.316618	8.333062	8.342624	8.327262	8.325487	8.300255	8.313315	8.306677	8.285958
RAP1A	cg2180664	-0.03436	7.848772	-2.65376	0.017352	0.040899	-4.30055	8.345886	8.340343	8.342602	8.351661	8.317375	8.338393	8.354829	8.343432	8.329649	8.331718	8.305391	8.30141	8.305418	8.344159	8.324633	8.302029
DDR2	cg0808744	-0.03433	7.53703	-2.54171	0.021782	0.049162	-4.40961	8.128838	8.130647	8.13135	8.119843	8.121362	8.122774	8.135541	8.102393	8.128485	8.118583	8.096946	8.095561	8.089015	8.080586	8.129907	8.087335
CST6	cg1588784	-0.03432	7.387736	-2.53867	0.021917	0.049407	-4.39265	8.033554	8.046253	8.037618	8.023573	8.024478	8.027272	8.020026	8.038594	8.002641	8.017433	7.981099	7.995564	7.976639	8.009284	8.013905	7.997653
HIVEP3	cg0467938	-0.03423	7.694632	-2.79578	0.012967	0.032383	-3.95681	8.241175	8.258167	8.236946	8.250936	8.23571	8.227141	8.232262	8.231178	8.224192	8.209021	8.19052	8.201317	8.176983	8.210128	8.215069	8.199202
ARMC5	cg1783374	-0.03421	7.724609	-3.23651	0.005174	0.015429	-3.07358	8.255265	8.256642	8.250827	8.259094	8.246322	8.265423	8.248399	8.268721	8.245602	8.234321	8.227834	8.213235	8.215929	8.220461	8.228553	8.236884
AZGP1	cg2410468	-0.03418	7.534413	-3.45596	0.003258	0.010562	-2.56672	8.133676	8.115367	8.111904	8.117557	8.130379	8.134226	8.117047	8.128251	8.117934	8.11488	8.104992	8.089024	8.091441	8.09652	8.096151	8.0915
IRX1	cg0436572	-0.03417	7.336666	-3.38248	0.003805	0.011965	-2.69426	7.978572	7.988656	7.98034	7.993701	7.990168	7.99518	8.003377	7.996411	7.978345	7.99595	7.970579	7.970396	7.970626	7.972888	7.959705	7.974625
AJAP1	cg1815624	-0.03416	7.872914	-3.50026	0.002968	0.009788	-2.58839	8.371674	8.370424	8.345278	8.366752	8.373565	8.371043	8.3478	8.350484	8.358367	8.348786	8.32632	8.329701	8.337415	8.327808	8.314523	8.316474
DIRAS3	cg1794339	-0.03411	7.521044	-2.85149	0.011558	0.029487	-3.80046	8.124813	8.118155	8.100364	8.131766	8.111176	8.122463	8.104225	8.099786	8.10917	8.121238	8.087705	8.082265	8.104745	8.076643	8.076813	8.076702
KL	cg2328255	-0.03401	7.337593	-2.66853	0.016836	0.039985	-4.13878	7.981623	7.984725	7.983089	8.002729	7.969345	7.96951	7.995663	7.990662	7.998136	8.007499	7.99603	7.964927	7.968504	7.962021	7.975835	7.97889
RASSF1	cg0938680	-0.03396	7.770228	-3.44944	0.003303	0.010687	-2.64827	8.28414	8.276215	8.282971	8.292901	8.278881	8.292839	8.280043	8.283978	8.28797	8.280155	8.26824	8.270798	8.247453	8.265017	8.249512	8.244523
RPS6KA2	cg0859684	-0.03385	7.896186	-2.66845	0.016839	0.039985	-4.29691	8.386661	8.369864	8.372694	8.39179	8.345908	8.369316	8.392236	8.366026	8.381606	8.357785	8.338899	8.350355	8.335426	8.355272	8.354209	8.356775
SLC5A8	cg0209407	-0.03366	7.676847	-4.11065	0.00082	0.00344	-1.22947	8.217645	8.223828	8.233351	8.224738	8.215343	8.224492	8.211969	8.209843	8.220315	8.218683	8.193757	8.187177	8.190457	8.188051	8.188287	8.194387
ADAMTS8	cg1645356	-0.03361	6.990673	-2.8848	0.010788	0.027905	-3.78441	7.785048	7.794428	7.783332	7.781389	7.802551	7.791895	7.767814	7.777759	7.785581	7.760959	7.7683	7.748857	7.740587	7.752346	7.7452	7.752874
TBX5	cg0506557	-0.03356	7.335071	-3.2726	0.004795	0.014505	-2.92167	7.980541	7.989318	7.985611	7.995501	7.975265	7.994482	7.99848	7.984797	7.986635	7.999036	7.963353	7.965932	7.982381	7.96994	7.962165	7.969784
HIVEP3	cg0692125	-0.03353	7.875046	-3.53303	0.002769	0.009272	-2.52261	8.35209	8.366257	8.363157	8.36282	8.352626	8.377084	8.351216	8.36685	8.36174	8.344242	8.340728	8.328787	8.321129	8.32668	8.331112	8.334208
RUNX3	cg1393295	-0.03348	7.861324	-3.3449	0.004118	0.0128	-2.91194	8.34416	8.33801	8.333266	8.338413	8.359533	8.33056	8.33997	8.357275	8.364837	8.350709	8.336308	8.327358	8.335606	8.322235	8.320038	8.324475
PPP3CC	cg1318037	-0.03345	7.537095	-2.59916	0.01939	0.044694	-4.29988	8.114618	8.128517	8.105566	8.132277	8.131566	8.118619	8.120865	8.113921	8.124669	8.133805	8.096085	8.119887	8.110592	8.085801	8.081817	8.101141
NFKB1	cg2346225	-0.03342	6.800517	-2.56808	0.020651	0.047008	-4.53712	7.667122	7.68178	7.664236	7.656473	7.682699	7.682972	7.664682	7.667699	7.676517	7.673242	7.669095	7.639226	7.652885	7.652451	7.634254	7.651348
TGFBR3	cg1707421	-0.03339	7.190121	-2.62604	0.018359	0.042834	-4.21555	7.897801	7.903647	7.876669	7.898107	7.887738	7.906817	7.893801	7.902861	7.915062	7.893703	7.889329	7.889751	7.871754	7.865223	7.885101	7.871724
DAPK2	cg1353475	-0.03328	7.201855	-2.70162	0.015735	0.037872	-4.06814	7.908458	7.90431	7.898891	7.897034	7.878992	7.899614	7.915314	7.912194	7.909307	7.908204	7.891631	7.883601	7.87089	7.907537	7.899769	7.878954
PCDHGC3	cg2494274	-0.03328	7.849416	-3.41764	0.003533	0.011289	-2.75091	8.343756	8.340618	8.341702	8.339964	8.355025	8.338937	8.33442	8.330653	8.343552	8.342509	8.311038	8.328465	8.313227	8.294521	8.307385	8.320463
SSBP2	cg0571439	-0.03326	7.923782	-3.20052	0.00558	0.016386	-3.2423	8.390727	8.371311	8.38034	8.395523	8.39754	8.395945	8.401675	8.406909	8.391072	8.387038	8.374607	8.366905	8.379727	8.355569	8.365232	8.384568
DOK2	cg0904756	-0.03303	7.808755	-3.12356	0.006558	0.018655	-3.33814	8.321828	8.317259	8.316283	8.320988	8.310687	8.312557	8.31073	8.311714	8.308419	8.297978	8.285406	8.272738	8.275705	8.270154	8.311176	8.278517
VSNL1	cg0290132	-0.03296	7.522217	-2.66002	0.017131	0.040544	-4.17778	8.116566	8.130317	8.135213	8.113159	8.119049	8.10668	8.115896	8.107638	8.109041	8.100114	8.076751	8.083381	8.062912	8.105327	8.095105	8.083449
IKZF1	cg1440291	-0.03293	7.572094	-2.76422	0.013838	0.034106	-3.9858	8.154683	8.147941	8.155648	8.141336	8.145276	8.131007	8.136447	8.135348	8.15777	8.156129	8.121342	8.114432	8.129578	8.103999	8.132912	8.132725
EPHA2	cg0498720	-0.03284	7.788819	-2.75633	0.014064	0.034506	-4.07095	8.300739	8.302689	8.294702	8.302179	8.289889	8.267443	8.302587	8.293327	8.313395	8.285401	8.266594	8.265606	8.272248	8.268162	8.278976	8.291865
PPP1R1B	cg0341560	-0.03282	7.790204	-3.17167	0.005928	0.017164	-3.23348	8.307471	8.291923	8.285563	8.291333	8.292809	8.294905	8.299146	8.304243	8.294833	8.300094	8.292147	8.268741	8.255695	8.267123	8.286502	8.278859
CADM2	cg2418335	-0.03276	7.999588	-2.82805	0.012132	0.030631	-4.03933	8.454478	8.417364	8.442875	8.444633	8.454742	8.436938	8.438228	8.455777	8.451251	8.468557	8.435821	8.427522	8.444736	8.417187	8.418163	8.424211
BCL6B	cg1439265	-0.03266	7.455657	-2.6881	0.016176	0.038763	-4.11327	8.066944	8.057829	8.075605	8.049694	8.064056	8.060408	8.066406	8.077644	8.057488	8.086172	8.028841	8.058125	8.047442	8.054237	8.043128	8.060196
PTPRJ	cg1541897	-0.03265	7.865039	-2.60679	0.019092	0.044167	-4.39908	8.3462	8.351166	8.353559	8.359488	8.357666	8.353174	8.370803	8.36057	8.33759	8.32858	8.319219	8.312062	8.318761	8.312864	8.335627	8.348353
STAT5A	cg2301460	-0.03265	7.841814	-3.16542	0.006007	0.017355	-3.27109	8.332892	8.31539	8.353645	8.32833	8.330447	8.33144	8.339587	8.328383	8.347436	8.326964	8.302214	8.318239	8.309577	8.306788	8.317268	8.310457
NFATC2	cg0041818	-0.03264	7.888841	-3.10475	0.006821	0.019239	-3.41817	8.382614	8.366957	8.371724	8.356889	8.367762	8.37536	8.375977	8.373377	8.355281	8.362745	8.333567	8.338881	8.32633	8.352237	8.361007	8.339118
IKZF1	cg2372006	-0.03245	7.888459	-2.60775	0.019055	0.044107	-4.41298	8.379332	8.371196	8.371495	8.347675	8.349417	8.341523	8.360922	8.372906	8.377686	8.378134	8.333607	8.336607	8.341483	8.368	8.359424	8.346024
CDH4	cg2416629	-0.03244	7.324576	-2.63405	0.018062	0.042287	-4.20461	7.986041	7.986249	7.9678	7.976025	7.979301	7.959505	7.994464	7.985062	7.994728	7.976406	7.975577	7.950879	7.953721	7.982118	7.965149	7.963175
STARD13	cg0849168	-0.03239	7.822309	-2.76338	0.013862	0.034134	-4.07313	8.316846	8.321297	8.317489	8.296883	8.313728	8.336199	8.329088	8.312689	8.314845	8.331866	8.286378	8.291387	8.313029	8.288164	8.294158	8.312279
ALDH1A2	cg1640993	-0.03237	7.48412	-3.10724	0.006786	0.019149	-3.27824	8.083469	8.079874	8.085851	8.086668	8.09214	8.084765	8.092261	8.078676	8.088761	8.092691	8.058719	8.065771	8.078118	8.079474	8.05631	8.051176
PTPN6	cg2636336	-0.03236	7.929959	-3.51405	0.002882	0.009562	-2.59048	8.395	8.408987	8.407486	8.386558	8.419637	8.4004	8.398523	8.391913	8.388259	8.400586	8.374794	8.362609	8.369095	8.377373	8.366463	8.368968
SYNM	cg0344901	-0.03236	7.854532	-3.29193	0.004604	0.014023	-3.01749	8.324006	8.3372	8.33613	8.349856	8.345204	8.336101	8.363078	8.336785	8.337039	8.348826	8.331651	8.3178	8.326164	8.320352	8.313648	8.32089
SYNM	cg0046255	-0.03233	7.886609	-2.73557	0.014677	0.035729	-4.16038	8.364315	8.362748	8.38233	8.372071	8.375538	8.333992	8.3725	8.354167	8.372667	8.36936	8.344178	8.344194	8.333157	8.347512	8.333748	8.351612
PIN1	cg1034040	-0.03231	7.642211	-2.59204	0.019673	0.045219	-4.34511	8.186522	8.200573	8.171149	8.17954	8.167518	8.166908	8.209003	8.197514	8.207192	8.198869	8.170316	8.168502	8.176538	8.167389	8.192849	8.200311
ING5	cg1870397	-0.0323	7.913441	-2.64371	0.017711	0.041574	-4.3526	8.375222	8.390412	8.405867	8.381797	8.376649	8.40949	8.387272	8.374539	8.383246	8.388615	8.361489	8.368397	8.349659	8.339027	8.354854	8.378277
STARD13	cg2008457	-0.03223	7.890782	-3.05831	0.007517	0.020804	-3.51805	8.355615	8.360438	8.366992	8.353043	8.371615	8.349636	8.38945	8.362075	8.375116	8.374667	8.3429	8.345653	8.358465	8.337413	8.369682	8.349412
PPARG	cg2705153	-0.03223	7.878083	-2.66274	0.017036	0.040362	-4.29837	8.342949	8.349787	8.353487	8.38022	8.3729	8.358406	8.361465	8.37881	8.355324	8.346772	8.341456	8.329055	8.350894	8.341137	8.324391	8.328699
IQGAP2	cg1343348	-0.03222	7.888783	-3.11559	0.006668	0.018872	-3.39836	8.363128	8.352328	8.383666	8.358635	8.367168	8.352616	8.360819	8.375532	8.363777	8.383781	8.34608	8.34451	8.343683	8.337021	8.345929	8.360388
DUSP1	cg0452547	-0.03209	6.697153	-3.08781	0.007067	0.019783	-3.58047	7.6077	7.607399	7.605479	7.610896	7.598435	7.617401	7.624162	7.614063	7.606992	7.631509	7.606981	7.588242	7.607114	7.594616	7.60515	7.595769
ALOX15B	cg1234377	-0.03207	7.172558	-2.95389	0.009346	0.024824	-3.56816	7.878918	7.897162	7.88384	7.882865	7.88358	7.902925	7.876309	7.899257	7.891224	7.884054	7.867473	7.86479	7.87127	7.856921	7.870192	7.865722
RHOBTB2	cg2009159	-0.03201	7.778525	-2.67071	0.016762	0.03985	-4.231	8.290023	8.321066	8.288192	8.302555	8.304639	8.279354	8.272817	8.27986	8.295804	8.286891	8.251097	8.270654	8.266825	8.26232	8.247657	8.259919
CUX1	cg1805927	-0.03199	7.82883	-2.68696	0.016214	0.038846	-4.22366	8.341223	8.323943	8.323818	8.338931	8.333243	8.323814	8.314856	8.331392	8.330452	8.307912	8.29071	8.313983	8.285995	8.276583	8.313867	8.300205
NR4A1	cg1787542	-0.03192	7.845735	-2.60509	0.019158	0.044257	-4.39247	8.349542	8.346591	8.347688	8.329019	8.332233	8.330322	8.338724	8.344744	8.341956	8.316404	8.293858	8.305236	8.29473	8.323118	8.319517	8.330438
CD44	cg1542752	-0.03183	7.90915	-2.66428	0.016983	0.040277	-4.31374	8.352902	8.388325	8.381598	8.377844	8.363618	8.393435	8.380231	8.396331	8.370009	8.399095	8.360037	8.365316	8.362761	8.349998	8.375242	8.358098
TMEM127	cg0873028	-0.03181	7.976181	-2.61967	0.018599	0.043287	-4.43506	8.440033	8.444713	8.426243	8.447215	8.411868	8.40347	8.427407	8.427621	8.425844	8.451927	8.400922	8.406314	8.405562	8.412406	8.417055	8.408465
PDCD4	cg1219142	-0.03174	6.979316	-2.65417	0.017337	0.04088	-4.24285	7.762387	7.771757	7.77859	7.773069	7.775278	7.779827	7.772083	7.754805	7.776882	7.782399	7.763042	7.762051	7.749532	7.737063	7.751794	7.742256
HOMER2	cg2054170	-0.03172	7.928638	-2.60056	0.019336	0.044604	-4.44375	8.405717	8.400263	8.401588	8.388659	8.414023	8.40502	8.394613	8.370878	8.391181	8.416565	8.387914	8.359658	8.380442	8.363162	8.356559	8.365225
THRB	cg1878411	-0.03172	7.24305	-2.9646	0.00914	0.024391	-3.54565	7.915715	7.932889	7.9402	7.927983	7.933222	7.933213	7.931461	7.93147	7.937191	7.928189	7.900875	7.920231	7.916758	7.909989	7.917567	7.89672
CDKN1C	cg0820662	-0.03169	6.653433	-3.07855	0.007206	0.020115	-3.64344	7.597286	7.592006	7.59942	7.5892	7.59225	7.579851	7.598462	7.590748	7.589641	7.587824	7.568778	7.566732	7.561953	7.586195	7.586172	7.565979
DLEC1	cg0261778	-0.03161	7.43229	-2.87511	0.011007	0.028344	-3.74058	8.03986	8.05454	8.042391	8.034618	8.058693	8.04017	8.052131	8.05847	8.066433	8.052371	8.049662	8.026623	8.031231	8.026671	8.0306	8.044408
RAB7A	cg1317676	-0.03121	7.507059	-3.35468	0.004034	0.01258	-2.77275	8.100395	8.09488	8.097248	8.105205	8.096103	8.103841	8.10693	8.109614	8.095456	8.102275	8.074275	8.08358	8.079659	8.071685	8.096023	8.081172
NRF1	cg2429580	-0.03118	6.630579	-3.19306	0.005668	0.016552	-3.4364	7.596431	7.582449	7.580935	7.58687	7.59402	7.588171	7.571433	7.576478	7.569825	7.580235	7.554996	7.552726	7.56576	7.546342	7.568167	7.547097
EGR2	cg2074462	-0.03101	7.309714	-2.54972	0.021433	0.048478	-4.36542	7.97319	7.964136	7.977216	7.972024	7.991093	7.981019	7.967888	7.984369	7.977631	7.956427	7.951942	7.965392	7.940232	7.940134	7.945325	7.95712
CBFA2T3	cg0460995	-0.03088	7.88411	-3.13248	0.006436	0.018356	-3.35825	8.370615	8.377207	8.354749	8.365882	8.363099	8.379301	8.357786	8.367885	8.355994	8.364902	8.333627	8.333271	8.347941	8.320515	8.345951	8.346499
DUSP26	cg1636915	-0.03082	7.578849	-2.71239	0.015391	0.037194	-4.08927	8.153359	8.14209	8.159438	8.149504	8.147908	8.155753	8.143803	8.154526	8.133589	8.166761	8.126424	8.126395	8.126965	8.108897	8.1342	8.140003
KLF6	cg0604875	-0.0308	7.470239	-2.68123	0.016405	0.039181	-4.12825	8.087588	8.09288	8.07869	8.080799	8.061327	8.067691	8.081947	8.076678	8.070179	8.07976	8.038613	8.048799	8.054524	8.064323	8.068084	8.056072
RASSF1	cg0804745	-0.03076	7.537291	-2.59887	0.019402	0.044703	-4.29976	8.125497	8.13097	8.129086	8.135016	8.120756	8.119013	8.132585	8.117743	8.111724	8.11602	8.090585	8.07944	8.109262	8.118041	8.101698	8.084382
EBF3	cg2745429	-0.03055	6.854943	-3.03384	0.007911	0.021657	-3.57252	7.69972	7.703862	7.694275	7.719169	7.694791	7.700657	7.709057	7.694847	7.704068	7.693167	7.677461	7.689717	7.680274	7.682951	7.6747	7.680434
FOXP1	cg0184838	-0.03049	7.90204	-3.32761	0.004271	0.0132	-2.96728	8.370009	8.381153	8.378747	8.361474	8.36813	8.386196	8.382765	8.37385	8.38247	8.375949	8.34188	8.360883	8.357386	8.36696	8.355893	8.348568
AKT1	cg1964578	-0.03047	7.425473	-3.18769	0.005732	0.016694	-3.10527	8.056322	8.045218	8.042273	8.041169	8.043039	8.045478	8.043292	8.043282	8.058862	8.052242	8.034233	8.020616	8.033848	8.032326	8.018314	8.026984
MME	cg0715948	-0.03045	7.813807	-2.74153	0.014499	0.0354	-4.11043	8.313274	8.310674	8.309815	8.326581	8.315273	8.317782	8.296582	8.309429	8.32811	8.315866	8.297218	8.300384	8.302825	8.283322	8.273509	8.278873
MTSS1	cg0002843	-0.03033	7.609726	-2.88103	0.010872	0.028081	-3.7642	8.179084	8.171681	8.17124	8.159654	8.166036	8.17623	8.159556	8.170276	8.178462	8.177705	8.162985	8.143894	8.142824	8.156546	8.134032	8.154831
CUX1	cg1651828	-0.03031	7.940921	-2.81124	0.01256	0.031553	-4.03748	8.396178	8.417704	8.401546	8.407928	8.399765	8.437134	8.406395	8.413535	8.39882	8.391264	8.376321	8.384337	8.376603	8.377776	8.37344	8.385687
RPS6KA2	cg1137082	-0.03029	7.912299	-2.58194	0.02008	0.045988	-4.47329	8.384437	8.367881	8.384949	8.387029	8.39765	8.378236	8.410318	8.369063	8.381304	8.379923	8.358863	8.370983	8.360224	8.358427	8.346937	8.37517
MTSS1	cg0783205	-0.03018	7.770039	-3.01179	0.008284	0.022477	-3.54814	8.298143	8.294751	8.287351	8.285449	8.27989	8.29703	8.277664	8.286319	8.281725	8.265347	8.242963	8.2611	8.243576	8.264456	8.252035	8.26585
NFATC2	cg1108606	-0.03008	6.938775	-2.87244	0.011068	0.028463	-3.83717	7.758972	7.738261	7.746039	7.749154	7.747728	7.730507	7.754805	7.753266	7.751602	7.74215	7.726464	7.731134	7.722142	7.730539	7.743371	7.732331
WFDC1	cg1013216	-0.0299	7.681879	-2.65618	0.017266	0.04076	-4.23019	8.222541	8.202594	8.202279	8.223783	8.231186	8.220244	8.219612	8.230508	8.224764	8.216724	8.217502	8.194229	8.207267	8.186807	8.201305	8.196621
CHD5	cg1930822	-0.02988	7.288468	-2.75319	0.014155	0.034695	-3.96917	7.951784	7.965392	7.96838	7.950614	7.948171	7.963436	7.96159	7.956686	7.974547	7.949828	7.93854	7.930732	7.942619	7.940862	7.93578	7.950754
HIC1	cg0091179	-0.02982	7.861988	-3.18977	0.005707	0.01665	-3.22902	8.343488	8.345632	8.359144	8.348772	8.363449	8.355684	8.338107	8.348819	8.346362	8.34725	8.328117	8.323816	8.329024	8.304294	8.330167	8.318335
LSAMP	cg0065227	-0.02962	7.799059	-2.78231	0.013332	0.033079	-4.02395	8.296894	8.302186	8.300346	8.307351	8.313023	8.284877	8.286805	8.322816	8.297204	8.310081	8.283488	8.285058	8.277747	8.281061	8.275499	8.287341
RHOBTB2	cg0214508	-0.0295	7.926782	-2.7694	0.013691	0.033781	-4.11151	8.40699	8.407033	8.411835	8.40066	8.403635	8.392273	8.390603	8.373136	8.415495	8.378649	8.361453	8.373237	8.365941	8.360718	8.374157	8.364034
DUSP1	cg0406027	-0.02916	6.636367	-3.30166	0.004511	0.013793	-3.19467	7.57342	7.576217	7.572613	7.580868	7.574674	7.58416	7.578549	7.585179	7.588501	7.589285	7.58122	7.570313	7.567132	7.558933	7.562728	7.565779
PF4	cg2104321	-0.02914	7.557768	-2.53891	0.021906	0.049394	-4.41953	8.13582	8.145472	8.125603	8.154973	8.128505	8.136706	8.13391	8.1421	8.125629	8.13539	8.112056	8.116754	8.104864	8.130235	8.117795	8.096066
PRDM5	cg1689093	-0.02904	7.834664	-3.28986	0.004624	0.014076	-3.01092	8.331669	8.332571	8.327224	8.331903	8.317374	8.312743	8.325873	8.332296	8.330884	8.329744	8.301236	8.303616	8.304278	8.30427	8.323005	8.308457
ZFHX3	cg2657379	-0.02877	7.89681	-3.04042	0.007803	0.021428	-3.55129	8.380176	8.380242	8.387557	8.379046	8.379333	8.385895	8.365381	8.370258	8.366005	8.367518	8.33252	8.345613	8.354441	8.326505	8.36201	8.349565
RARRES3	cg0499935	-0.02871	7.852955	-2.7919	0.013071	0.032566	-4.02784	8.359803	8.358619	8.342742	8.353685	8.330098	8.362932	8.332464	8.342367	8.335514	8.330132	8.318224	8.301861	8.30787	8.312217	8.327422	8.311001
TNFAIP3	cg1876658	-0.02864	6.766193	-2.68256	0.01636	0.039115	-4.34354	7.654115	7.664057	7.654373	7.651719	7.664296	7.641424	7.65207	7.631657	7.656104	7.657744	7.63541	7.634095	7.631122	7.626037	7.628963	7.633053
TIMP3	cg1819875	-0.02851	6.759454	-2.64544	0.017648	0.041477	-4.41753	7.645503	7.647093	7.654599	7.648947	7.638142	7.640537	7.65968	7.640724	7.654106	7.64138	7.616621	7.638227	7.626068	7.626169	7.638602	7.641091
EDNRB	cg0978638	-0.02844	7.539577	-2.79024	0.013116	0.032649	-3.92647	8.122568	8.133482	8.123999	8.127874	8.119506	8.120181	8.120862	8.11201	8.117381	8.139036	8.102672	8.10636	8.099063	8.113305	8.090006	8.09783
ALDH1A2	cg0741829	-0.02841	7.651607	-2.86615	0.011213	0.02877	-3.80641	8.205904	8.203625	8.191282	8.189862	8.192857	8.212379	8.203979	8.198548	8.18821	8.207149	8.176921	8.177774	8.171517	8.192549	8.17491	8.176236
SRGAP3	cg0117710	-0.02837	7.573954	-2.54626	0.021583	0.048799	-4.40994	8.153693	8.153733	8.150637	8.140835	8.134869	8.142528	8.153399	8.146065	8.147495	8.139163	8.125789	8.110045	8.111383	8.126471	8.135946	8.144502
DIRAS3	cg0154755	-0.02819	7.997099	-2.5835	0.020016	0.045879	-4.51796	8.43957	8.442028	8.44536	8.457042	8.410324	8.434725	8.444035	8.443553	8.458757	8.456434	8.425775	8.432023	8.429831	8.419189	8.442131	8.422272
PKD1	cg0826628	-0.02819	7.801668	-2.93991	0.009622	0.025432	-3.70953	8.302378	8.309188	8.314872	8.314523	8.293808	8.294401	8.308798	8.305319	8.300913	8.301417	8.276594	8.271864	8.281363	8.284311	8.281998	8.299595
PPP2R5C	cg1174063	-0.02803	7.882229	-2.77957	0.013408	0.033226	-4.06872	8.37017	8.370908	8.365544	8.353895	8.375494	8.373539	8.349041	8.355141	8.367787	8.361535	8.337123	8.328063	8.356298	8.323526	8.341907	8.333579
NNAT	cg2060127	-0.02795	7.300518	-3.03378	0.007912	0.021657	-3.40823	7.972519	7.973331	7.961952	7.964387	7.973936	7.965443	7.9694	7.963207	7.971306	7.959099	7.94364	7.942718	7.950337	7.950018	7.953772	7.936498
NDRG2	cg2538926	-0.02789	7.181626	-2.78969	0.013131	0.032661	-3.89589	7.895623	7.903522	7.905646	7.895528	7.905199	7.894932	7.878765	7.888436	7.891512	7.893151	7.857257	7.873717	7.879565	7.871508	7.862589	7.868665
CDH5	cg2231914	-0.02774	7.827692	-2.61066	0.018943	0.043918	-4.37363	8.333342	8.321798	8.321203	8.330584	8.315246	8.309713	8.324191	8.326767	8.305158	8.337254	8.298166	8.304103	8.288461	8.30609	8.316965	8.298574
GRIN2A	cg0051838	-0.02765	7.577071	-2.91186	0.010199	0.026643	-3.6932	8.142016	8.145911	8.135134	8.156757	8.146215	8.157255	8.148119	8.150581	8.141598	8.155358	8.136574	8.134959	8.127043	8.128088	8.121171	8.1234
GSN	cg0570296	-0.02762	7.632453	-2.75108	0.014217	0.034809	-4.02982	8.191985	8.171832	8.190328	8.17879	8.183829	8.179359	8.1956	8.171225	8.199708	8.185745	8.16402	8.173645	8.171738	8.163628	8.163862	8.168074
TCF7L2	cg2755056	-0.02758	7.891857	-2.90776	0.010286	0.026832	-3.8218	8.363614	8.366998	8.376972	8.36991	8.353485	8.351705	8.363169	8.380384	8.36879	8.375661	8.349301	8.342203	8.344639	8.345005	8.36005	8.362595
PPP2R5C	cg0508628	-0.02755	6.703105	-2.71064	0.015447	0.037296	-4.33527	7.630099	7.614648	7.601486	7.607447	7.618964	7.607003	7.619377	7.613322	7.61521	7.630356	7.60639	7.600456	7.60061	7.598926	7.601739	7.606535
TMEM127	cg1004121	-0.02679	6.813158	-2.55438	0.021232	0.048128	-4.54979	7.68267	7.681587	7.6651	7.669001	7.676346	7.658337	7.68207	7.678606	7.677602	7.680621	7.650289	7.661244	7.662406	7.66086	7.676579	7.664356
SFRP1	cg1339829	-0.02661	7.682965	-2.61642	0.018722	0.043521	-4.30773	8.209497	8.215844	8.226661	8.206674	8.226015	8.217435	8.213146	8.227872	8.219525	8.230605	8.19061	8.209234	8.212828	8.211055	8.193714	8.199174
PCDHGC3	cg0958122	-0.02655	7.855374	-3.32384	0.004305	0.013294	-2.95013	8.335898	8.34512	8.33656	8.342074	8.337479	8.355903	8.34889	8.343579	8.33643	8.340799	8.32174	8.323305	8.322643	8.317407	8.320126	8.326338
RUNX3	cg1245993	-0.02635	7.974191	-2.84162	0.011796	0.029929	-3.99474	8.431575	8.444964	8.42164	8.428428	8.446292	8.426711	8.425211	8.43077	8.429151	8.418114	8.404	8.401582	8.407446	8.40174	8.395407	8.420583
MAL	cg1791935	-0.02629	7.729081	-2.56665	0.020711	0.047134	-4.41457	8.260959	8.261565	8.268347	8.253866	8.257427	8.262772	8.249234	8.248024	8.247063	8.246839	8.214698	8.242839	8.215638	8.222808	8.224775	8.246659
CADM3	cg0368758	-0.02627	6.930157	-2.70547	0.015611	0.037645	-4.17617	7.747176	7.73915	7.734633	7.746537	7.743246	7.747316	7.738179	7.74702	7.743922	7.740788	7.732805	7.722614	7.72558	7.737312	7.711021	7.722186
LATS2	cg0066674	-0.0262	7.938925	-2.68494	0.016281	0.038966	-4.28584	8.41179	8.417015	8.394443	8.398547	8.416274	8.401849	8.400872	8.392092	8.418576	8.390121	8.382225	8.384225	8.37785	8.373392	8.386558	8.375198
SGMS1	cg1312110	-0.02615	7.938415	-2.6057	0.019135	0.04422	-4.44155	8.411632	8.407743	8.406621	8.381935	8.400208	8.396415	8.3958	8.397489	8.412926	8.407096	8.382294	8.374625	8.381357	8.402474	8.379868	8.376505
RPS6KA2	cg1700473	-0.02613	6.827538	-2.63853	0.017899	0.041955	-4.37576	7.676584	7.690609	7.67628	7.676818	7.679077	7.674952	7.699419	7.689886	7.677971	7.68532	7.67167	7.66524	7.660282	7.684638	7.671844	7.674284
FAM172A	cg0122178	-0.02609	7.877309	-2.86781	0.011174	0.028699	-3.89269	8.360757	8.34804	8.364349	8.343755	8.363993	8.364505	8.364174	8.357281	8.347175	8.364408	8.335824	8.337686	8.335272	8.332389	8.336825	8.350152
NFATC1	cg1684871	-0.02597	7.801008	-2.80222	0.012796	0.03204	-3.98511	8.30191	8.298694	8.318123	8.309936	8.292807	8.292152	8.297851	8.306632	8.307151	8.304289	8.290198	8.278461	8.275327	8.292134	8.288982	8.279139
WNT11	cg1352929	-0.02585	7.881686	-3.46048	0.003227	0.01049	-2.67907	8.363574	8.36926	8.355863	8.362275	8.358158	8.357462	8.36277	8.3594	8.355615	8.366553	8.342356	8.337967	8.337715	8.348917	8.336391	8.342707
VPS53	cg1866525	-0.02557	7.741512	-2.67587	0.016586	0.039539	-4.20691	8.259678	8.269577	8.265668	8.266747	8.266533	8.288317	8.265488	8.260851	8.25449	8.244321	8.234524	8.238031	8.235663	8.230135	8.241182	8.241476
ERF	cg1952635	-0.02542	7.354128	-2.67741	0.016533	0.039447	-4.12245	7.988314	7.98943	8.000642	8.001351	7.996272	7.995931	8.006753	7.991168	8.010399	8.005888	7.981553	7.99118	7.993037	7.983228	7.983778	7.979408
THBD	cg0109987	-0.02511	6.857375	-2.61861	0.018639	0.043372	-4.39455	7.709757	7.698916	7.692505	7.692955	7.69528	7.699556	7.699274	7.69963	7.711251	7.701753	7.686042	7.685428	7.686081	7.687502	7.675782	7.699018
SCGB3A1	cg1191672	-0.02483	7.792537	-2.9117	0.010202	0.026643	-3.76137	8.301278	8.309127	8.296785	8.289732	8.301431	8.298352	8.300253	8.294926	8.29329	8.293736	8.272209	8.273464	8.271371	8.270277	8.290368	8.281117
PPP1R1B	cg0011251	-0.02479	7.362283	-2.56261	0.020881	0.047473	-4.34488	8.000139	8.001198	7.998226	8.019018	8.000983	8.010155	8.008243	8.003653	7.998415	8.013373	7.995378	7.990116	7.992223	7.982684	7.985282	7.983092
THBD	cg0835409	-0.02446	7.558276	-2.53776	0.021957	0.049473	-4.42216	8.131277	8.133336	8.127944	8.138384	8.135293	8.142516	8.132214	8.134267	8.133166	8.139265	8.112024	8.114792	8.134362	8.103908	8.118421	8.115995
EPB41L3	cg1020493	-0.02434	6.607589	-2.55451	0.021226	0.048124	-4.72626	7.562728	7.56192	7.570692	7.568052	7.559664	7.556203	7.556161	7.575431	7.577092	7.564088	7.545857	7.559494	7.553012	7.562379	7.549081	7.548773
ING5	cg0024252	-0.02427	7.79218	-2.88895	0.010695	0.027704	-3.80621	8.298707	8.297546	8.294264	8.303889	8.301273	8.313056	8.297307	8.293301	8.293983	8.290217	8.27429	8.284899	8.27896	8.272072	8.265569	8.274395
HSPB7	cg2121461	-0.0242	7.954445	-2.65936	0.017154	0.040574	-4.34543	8.421268	8.411179	8.41329	8.397495	8.416392	8.421379	8.407893	8.406907	8.42731	8.412164	8.407258	8.392015	8.391352	8.39233	8.387845	8.396068

SLC5A8	cg0506310	-0.0242	7.59908	-2.59564	0.01953	0.044952	-4.32214	8.171649	8.159309	8.152173	8.156524	8.156035	8.175311	8.169375	8.155057	8.167321	8.158898	8.1459	8.141239	8.148278	8.142942	8.146557	8.142385
MCC	cg2214935	-0.02379	6.870371	-2.8093	0.012611	0.031673	-4.01162	7.704199	7.700667	7.708338	7.714393	7.707468	7.70555	7.703937	7.718243	7.709331	7.704666	7.694465	7.700241	7.689046	7.689632	7.698588	7.688445
STAT3	cg0732201	-0.02365	7.305348	-2.604	0.019201	0.044346	-4.26112	7.95746	7.968191	7.972374	7.967064	7.966434	7.96768	7.966895	7.979859	7.962441	7.971839	7.950214	7.950112	7.956903	7.957049	7.946876	7.959008
CTGF	cg1884984	-0.02305	6.637697	-3.54872	0.002679	0.009028	-2.67998	7.582434	7.580661	7.579245	7.580486	7.57745	7.57795	7.584635	7.579674	7.579878	7.587548	7.564202	7.574203	7.565015	7.566561	7.572051	7.568495
GSN	cg0870636	-0.02252	7.61678	-2.59035	0.01974	0.045346	-4.337	8.17381	8.176296	8.182153	8.173977	8.176354	8.176256	8.177345	8.15854	8.178291	8.175864	8.156271	8.163396	8.151638	8.153437	8.157721	8.150508
PEA15	cg1310991	-0.02237	7.630625	-2.57674	0.020292	0.046327	-4.36835	8.182783	8.193571	8.182571	8.174794	8.175181	8.179875	8.188431	8.176568	8.185362	8.188102	8.166558	8.165378	8.160833	8.17111	8.166695	8.175405
PAIP2	cg0322602	-0.02162	6.62805	-3.07504	0.007259	0.020225	-3.67309	7.577052	7.581227	7.572371	7.574346	7.568926	7.578105	7.583244	7.569781	7.57652	7.578659	7.563638	7.564807	7.557823	7.564563	7.562751	7.566304
SPRY4	cg1481368	-0.01947	6.605144	-3.05156	0.007624	0.021029	-3.74207	7.56698	7.562336	7.560061	7.562238	7.557817	7.563074	7.566898	7.56432	7.568953	7.561063	7.551129	7.556008	7.547248	7.554546	7.551493	7.556062
SEMA3F	cg0461438	-0.01839	6.614116	-2.80242	0.012791	0.03204	-4.2369	7.57213	7.56715	7.567539	7.568731	7.564532	7.566506	7.570009	7.567888	7.561629	7.576485	7.557384	7.557626	7.552392	7.557783	7.556372	7.560262
BTG2	cg1258642	-0.01659	6.598991	-2.9218	0.009991	0.026209	-4.01149	7.560245	7.560699	7.557358	7.559217	7.558917	7.554792	7.561068	7.562164	7.55815	7.564453	7.550803	7.550906	7.5463	7.552262	7.550081	7.552019
ZHX2	cg0379688	-0.01506	6.591733	-2.68086	0.016417	0.039202	-4.49906	7.557058	7.557718	7.556135	7.558608	7.551014	7.55489	7.558947	7.554234	7.558281	7.554875	7.547316	7.544793	7.54355	7.547891	7.546514	7.547881
PTEN	cg1668744	-0.01448	6.594468	-2.57856	0.020218	0.046212	-4.69458	7.559493	7.55744	7.554202	7.559053	7.552532	7.556287	7.559253	7.55667	7.558759	7.558512	7.548286	7.550178	7.545384	7.550052	7.547507	7.548584
MLH1	cg0349741	0.015474	6.560624	2.895534	0.01055	0.02739	-4.10402	7.536313	7.531655	7.533074	7.535777	7.533222	7.534009	7.533656	7.537054	7.535406	7.533675	7.540876	7.537849	7.542343	7.539767	7.543031	7.53778
DAPK3	cg1314458	0.016106	6.576377	2.537718	0.021959	0.049473	-4.7915	7.53821	7.542993	7.539354	7.545899	7.541603	7.542371	7.544404	7.541407	7.542408	7.543501	7.552299	7.544437	7.553955	7.552204	7.546562	7.542399
HIVEP3	cg1548288	0.016273	6.610737	2.586061	0.019913	0.045687	-4.6652	7.558072	7.559787	7.559137	7.561988	7.560235	7.561832	7.560705	7.563202	7.557679	7.558395	7.57056	7.564191	7.562584	7.570061	7.570163	7.557958
AKT1	cg0561644	0.016785	6.658837	2.677519	0.01653	0.039446	-4.43783	7.578876	7.579111	7.583066	7.580811	7.576137	7.578706	7.585621	7.587735	7.591589	7.588177	7.599207	7.596512	7.588768	7.596443	7.594554	7.592561
NUMB	cg0336311	0.01732	6.575926	2.698429	0.015838	0.038096	-4.48265	7.545574	7.539482	7.549959	7.540623	7.545605	7.542923	7.536206	7.546396	7.542703	7.537987	7.548098	7.542553	7.5468	7.546927	7.547803	7.550623
LIMA1	cg1376831	0.017364	6.55233	2.85579	0.011456	0.029275	-4.19152	7.523482	7.534055	7.526948	7.530086	7.528935	7.527653	7.534978	7.532524	7.52726	7.52904	7.534792	7.537933	7.534436	7.543014	7.538046	7.535036
NEDD4L	cg1650298	0.017497	6.59295	2.74126	0.014506	0.035412	-4.37833	7.547506	7.548095	7.548021	7.556026	7.547269	7.549998	7.550249	7.550831	7.553295	7.551261	7.561896	7.56253	7.555869	7.559599	7.553877	7.553613
TOPORS	cg1901247	0.017995	6.611696	3.071713	0.007309	0.020337	-3.69651	7.563204	7.559972	7.560962	7.559439	7.557932	7.561746	7.56162	7.555734	7.562575	7.560223	7.566068	7.56686	7.567941	7.568324	7.563166	7.568728
PTCH1	cg2545818	0.018248	6.582089	3.040858	0.007796	0.021422	-3.78707	7.542884	7.544825	7.541723	7.544629	7.542856	7.544843	7.541235	7.54728	7.549646	7.54507	7.554415	7.552228	7.555928	7.547566	7.554107	7.551572
EGR2	cg1247649	0.018646	6.592229	2.878611	0.010927	0.02819	-4.10855	7.553113	7.560295	7.552246	7.546547	7.549685	7.55186	7.546525	7.54774	7.551625	7.549228	7.553969	7.557012	7.551027	7.555713	7.56108	7.556265
GSK3B	cg1447231	0.018726	6.598927	2.608748	0.019016	0.044045	-4.63531	7.554685	7.555411	7.556626	7.562739	7.561174	7.547934	7.55235	7.55121	7.549242	7.554291	7.56205	7.563003	7.554291	7.55736	7.563923	7.552789
SCUBE2	cg0481255	0.018847	7.831724	2.554117	0.021243	0.048134	-4.48308	8.314873	8.318116	8.31826	8.316888	8.314773	8.319103	8.317883	8.3105	8.307885	8.30759	8.323509	8.324496	8.314504	8.319938	8.325562	8.329612
RB1CC1	cg1225991	0.018898	6.55789	2.686754	0.016221	0.038854	-4.5221	7.529705	7.533882	7.53362	7.527893	7.540059	7.529431	7.527067	7.535474	7.527868	7.540194	7.542284	7.541088	7.538659	7.541209	7.539059	7.535887
DNAJB4	cg2196858	0.019036	6.561523	2.782419	0.013329	0.033079	-4.33144	7.530403	7.534431	7.536567	7.539699	7.532021	7.54427	7.533195	7.535406	7.532485	7.531989	7.537589	7.545123	7.543834	7.535852	7.543048	7.536948
EDA2R	cg2095416	0.019176	6.588575	3.076218	0.007241	0.020185	-3.70875	7.546607	7.544024	7.546626	7.548305	7.550125	7.547346	7.549862	7.549555	7.547755	7.547597	7.562271	7.551599	7.556601	7.560448	7.556209	7.549067
VPS53	cg0631422	0.019247	6.578507	3.171652	0.005929	0.017164	-3.52312	7.5402	7.548419	7.540706	7.543045	7.538585	7.543001	7.540957	7.546037	7.543297	7.543129	7.552432	7.545955	7.551146	7.547335	7.553123	7.554094
RASAL2	cg1823300	0.019307	6.578771	2.781926	0.013343	0.033099	-4.31578	7.555871	7.54	7.545619	7.547255	7.543381	7.544329	7.539643	7.538564	7.546386	7.54063	7.551347	7.546209	7.54963	7.549277	7.551967	7.543464
TRIM35	cg0296829	0.019573	6.639023	2.723445	0.015047	0.036514	-4.37311	7.575115	7.579284	7.573337	7.576636	7.583156	7.577642	7.57397	7.570004	7.565515	7.578577	7.585219	7.5773	7.581656	7.574394	7.577678	7.582177
TCF7L2	cg0167385	0.01996	6.564493	2.607859	0.019051	0.044106	-4.6717	7.542201	7.53405	7.537303	7.5326	7.538606	7.54572	7.529086	7.531958	7.542696	7.532637	7.545188	7.546314	7.542672	7.536982	7.542093	7.536972
ZC3H10	cg1455568	0.020413	6.594242	2.669079	0.016817	0.039966	-4.52057	7.548748	7.55226	7.553641	7.552171	7.550714	7.551501	7.54709	7.547248	7.546791	7.56036	7.562348	7.558129	7.560882	7.553437	7.550241	7.565052
ING3	cg1026812	0.020437	6.594627	2.532336	0.022198	0.049938	-4.78545	7.545344	7.55564	7.552585	7.559861	7.546216	7.555018	7.546042	7.551728	7.556196	7.546493	7.555432	7.561259	7.563961	7.563272	7.550332	7.554404
UIMC1	cg2184452	0.0205	6.57339	2.644949	0.017666	0.041502	-4.58718	7.53696	7.545539	7.534034	7.536025	7.546869	7.536167	7.54057	7.541385	7.54158	7.539018	7.554815	7.540767	7.550821	7.556594	7.544844	7.543745
FOXA2	cg0185576	0.020561	6.592237	2.904185	0.010363	0.027001	-4.05676	7.552939	7.545419	7.555099	7.546042	7.557787	7.551882	7.548615	7.550714	7.545454	7.54986	7.562366	7.551119	7.555824	7.552415	7.556388	7.56214
MLH1	cg0319296	0.02068	6.61702	2.561098	0.020945	0.0476	-4.70946	7.557907	7.57166	7.561055	7.557153	7.570828	7.572589	7.565252	7.558927	7.558929	7.560189	7.565818	7.575545	7.568144	7.566082	7.566403	7.572203
ZC3H10	cg2640997	0.020685	6.621112	2.969164	0.009054	0.024195	-3.89621	7.564238	7.567856	7.563564	7.565189	7.569808	7.558609	7.564116	7.566679	7.557574	7.569173	7.576364	7.57002	7.56858	7.573835	7.578755	7.568244
SPTBN1	cg1259330	0.020888	6.677737	2.960522	0.009218	0.024535	-3.86239	7.60022	7.592104	7.592755	7.599601	7.590508	7.595396	7.594362	7.595575	7.587034	7.596969	7.606372	7.597036	7.600014	7.603224	7.598873	7.606997
LHX6	cg1147950	0.020907	7.890043	2.800304	0.012847	0.032118	-4.03321	8.353859	8.355489	8.363202	8.350148	8.354823	8.360297	8.35218	8.354527	8.352015	8.354755	8.369542	8.361702	8.366643	8.358296	8.374095	8.371921
RBL2	cg1521602	0.020919	6.572199	3.632157	0.002246	0.007808	-2.56956	7.54024	7.543822	7.53833	7.540155	7.537739	7.539392	7.535404	7.542654	7.536649	7.541828	7.549328	7.542852	7.547355	7.546571	7.54775	7.549811
ARHGAP29	cg2325756	0.020961	6.70043	2.734005	0.014724	0.035807	-4.29441	7.605044	7.609316	7.601886	7.600792	7.606784	7.612178	7.602358	7.605549	7.607155	7.609414	7.617799	7.614669	7.618309	7.606915	7.622102	7.609468
CTNND1	cg1164399	0.020997	6.567175	2.557302	0.021107	0.047882	-4.7631	7.53594	7.534686	7.533854	7.533596	7.538821	7.538594	7.547361	7.531008	7.543922	7.527557	7.550936	7.536841	7.549029	7.545175	7.546883	7.544861
FOXO1	cg1920758	0.021015	6.58304	2.673466	0.016667	0.039675	-4.52201	7.543575	7.540392	7.539926	7.549148	7.54615	7.547088	7.54301	7.541627	7.547035	7.549493	7.562024	7.558571	7.555343	7.543734	7.549868	7.551729
PCDH17	cg1442700	0.021166	7.862361	2.622864	0.018478	0.043049	-4.36775	8.332632	8.338091	8.335573	8.333385	8.338668	8.324181	8.334165	8.325941	8.342219	8.337517	8.347543	8.349495	8.354183	8.351746	8.338685	8.350613
PEG3	cg0815575	0.021184	6.690979	2.651503	0.017431	0.041045	-4.4666	7.599143	7.606167	7.596528	7.607297	7.606384	7.607381	7.598656	7.597557	7.605556	7.595649	7.616161	7.612055	7.607398	7.600073	7.605674	7.607628
CEBPD	cg2131501	0.021198	6.645927	2.566333	0.020725	0.047155	-4.66768	7.58099	7.583752	7.565503	7.580124	7.568353	7.569761	7.578548	7.574301	7.579202	7.583664	7.59022	7.588071	7.583304	7.590976	7.583702	7.589163
ING3	cg1204101	0.021405	6.57069	3.272883	0.004793	0.014502	-3.3228	7.539379	7.543184	7.53406	7.539364	7.53706	7.541892	7.531885	7.541718	7.539141	7.540204	7.549215	7.544157	7.550253	7.545872	7.541851	7.548374
HIVEP3	cg0557049	0.021493	6.586194	2.915383	0.010125	0.026483	-4.03683	7.545066	7.545446	7.541733	7.553828	7.543645	7.537219	7.544405	7.549553	7.552259	7.544413	7.553561	7.559068	7.558582	7.558823	7.550042	7.556962
PPP2R5C	cg2124430	0.021502	6.581815	2.581507	0.020097	0.046019	-4.70238	7.549292	7.53623	7.547404	7.540331	7.538496	7.553134	7.54563	7.540412	7.543317	7.547749	7.563719	7.549724	7.546987	7.554705	7.547191	7.554351
RAB7A	cg0993363	0.021528	6.634028	2.919137	0.010046	0.026331	-3.9858	7.577361	7.574942	7.569786	7.567141	7.567483	7.576726	7.576549	7.561953	7.570434	7.572747	7.581917	7.577868	7.574672	7.579837	7.577216	7.58343
GSN	cg2631225	0.021563	7.822909	2.635115	0.018023	0.042211	-4.32428	8.312461	8.297632	8.310181	8.295915	8.30253	8.307512	8.310976	8.308815	8.310327	8.29928	8.323482	8.316139	8.312539	8.326172	8.325587	8.323509
EGR2	cg2541486	0.021801	6.620329	2.609341	0.018994	0.044	-4.60985	7.569989	7.564183	7.557384	7.559389	7.567026	7.559249	7.56689	7.560485	7.571164	7.559852	7.573134	7.566242	7.580326	7.58187	7.572968	7.566109
PPM1A	cg1135514	0.021843	6.637346	2.673979	0.01665	0.03965	-4.47129	7.569082	7.579482	7.574625	7.570108	7.574213	7.586328	7.565768	7.572993	7.570272	7.575143	7.588905	7.582837	7.575088	7.576625	7.575578	7.580702
KAT5	cg2204849	0.021848	6.590261	2.743196	0.014449	0.035294	-4.3801	7.548581	7.54514	7.552166	7.542066	7.557175	7.558417	7.54878	7.544388	7.551595	7.544102	7.563415	7.555448	7.556065	7.54967	7.553511	7.557376
CDKN1B	cg1619102	0.021864	6.637594	3.217716	0.005382	0.015911	-3.37355	7.580858	7.571621	7.574475	7.572354	7.580036	7.571722	7.568658	7.57565	7.572632	7.569119	7.579059	7.577064	7.582474	7.582738	7.576488	7.584818
ERF	cg1063885	0.021915	6.606037	2.824333	0.012225	0.030833	-4.20203	7.551911	7.558055	7.555766	7.558478	7.555625	7.562161	7.556901	7.559024	7.563752	7.545543	7.559154	7.567092	7.571076	7.567334	7.562762	7.563228
DDB2	cg1285874	0.021919	6.584993	2.789703	0.013131	0.032661	-4.29528	7.546581	7.546441	7.551867	7.55399	7.548514	7.553273	7.55425	7.540649	7.538693	7.539135	7.551939	7.558736	7.541929	7.549882	7.555597	7.553127
EPHA3	cg2261956	0.021983	6.612566	2.892954	0.010607	0.027512	-4.06019	7.556506	7.558572	7.568232	7.565453	7.56853	7.558092	7.562952	7.557313	7.56039	7.552618	7.572255	7.559917	7.570275	7.566616	7.563709	7.570347
UIMC1	cg0687842	0.022215	6.585796	2.900576	0.010441	0.027167	-4.06865	7.546577	7.547465	7.549464	7.5358	7.549397	7.546891	7.540401	7.546254	7.548887	7.549424	7.556534	7.559316	7.549629	7.547851	7.557436	7.559966
AHNAK	cg1834105	0.022406	6.619106	2.805552	0.012709	0.03187	-4.22735	7.566017	7.558846	7.567212	7.564843	7.568404	7.560122	7.558618	7.566934	7.552281	7.572553	7.56908	7.570852	7.575429	7.573074	7.567154	7.574614
SIK1	cg2715078	0.022454	6.564295	2.544354	0.021666	0.048939	-4.79163	7.53415	7.537843	7.531521	7.531992	7.542928	7.531282	7.53359	7.535623	7.529637	7.542165	7.539854	7.545293	7.550104	7.53023	7.549438	7.549995
TSSC4	cg0687873	0.022536	6.624738	2.848415	0.011632	0.029629	-4.13581	7.561437	7.57329	7.561634	7.572478	7.560459	7.568794	7.567571	7.561203	7.564544	7.570408	7.58273	7.572053	7.576639	7.579664	7.572394	7.567514
COPS2	cg1431765	0.022664	6.580407	2.819234	0.012355	0.031118	-4.24047	7.550534	7.545454	7.543741	7.54107	7.551781	7.548838	7.545932	7.539646	7.531603	7.54733	7.549265	7.542398	7.556573	7.555328	7.553685	7.543865
CD82	cg0188957	0.022696	6.640281	2.711712	0.015413	0.037237	-4.39249	7.584025	7.577875	7.570222	7.572596	7.564405	7.578147	7.578876	7.572524	7.576856	7.567236	7.576343	7.581511	7.579883	7.591079	7.583537	7.587212
PAIP2	cg2746804	0.022804	6.594296	2.745569	0.014379	0.035145	-4.37126	7.553488	7.54762	7.559508	7.54615	7.553901	7.553139	7.546672	7.548677	7.556094	7.545344	7.548162	7.565329	7.561169	7.561708	7.563115	7.551015
NFKB1	cg0079053	0.022861	7.887405	2.762583	0.013884	0.03417	-4.10704	8.349204	8.349694	8.34523	8.346483	8.364742	8.358981	8.355183	8.349101	8.348393	8.35466	8.371344	8.367059	8.375255	8.367937	8.360858	8.359004
CDKN1B	cg1804895	0.022881	6.578531	3.049551	0.007656	0.021082	-3.77445	7.540816	7.537708	7.539673	7.547896	7.542598	7.547106	7.541986	7.538735	7.5455	7.542125	7.552888	7.560918	7.553327	7.545882	7.549364	7.545246
DCUN1D3	cg1617252	0.022883	6.718827	2.64459	0.017679	0.041524	-4.454	7.620003	7.611497	7.614417	7.606801	7.615865	7.624905	7.617346	7.610414	7.624784	7.60922	7.625031	7.631681	7.623201	7.622463	7.621953	7.627452
SGMS1	cg1545788	0.022884	6.630323	2.77685	0.013483	0.03336	-4.27118	7.566958	7.558871	7.56926	7.566496	7.578467	7.561463	7.570041	7.570146	7.571551	7.568735	7.574584	7.585625	7.584351	7.582804	7.57399	7.576055
GLTSCR2	cg0847313	0.022967	6.677882	2.58264	0.020051	0.045941	-4.60798	7.588568	7.586221	7.60018	7.59589	7.597634	7.582645	7.591723	7.59157	7.603626	7.592697	7.607381	7.600396	7.613044	7.606883	7.599454	7.600611
ZYX	cg2509748	0.022992	6.606546	3.024826	0.008062	0.021967	-3.79693	7.548677	7.556311	7.557716	7.558667	7.554823	7.563921	7.554244	7.563598	7.555273	7.553191	7.562589	7.569781	7.568188	7.569403	7.557561	7.568152
EEF1A1	cg0153698	0.023079	6.613536	2.760796	0.013936	0.034266	-4.31974	7.556915	7.560747	7.560762	7.558923	7.554929	7.562694	7.562701	7.560599	7.5644	7.555574	7.566783	7.569994	7.571527	7.556951	7.574357	7.582129
CBL	cg0496470	0.023103	6.574597	3.689635	0.00199	0.00707	-2.4453	7.539979	7.540106	7.537692	7.542295	7.539079	7.540371	7.538984	7.538752	7.5435	7.540493	7.549683	7.554817	7.549927	7.554549	7.54646	7.542874
FOXP1	cg0118991	0.023152	6.648017	2.846281	0.011683	0.029747	-4.11907	7.57931	7.586467	7.577831	7.571306	7.583425	7.576957	7.5672	7.582839	7.576055	7.583426	7.589835	7.581949	7.588141	7.590508	7.590485	7.581277
LIMD1	cg0162917	0.023266	7.968248	2.728698	0.014885	0.036153	-4.21983	8.409007	8.398756	8.404854	8.39773	8.407562	8.396924	8.424272	8.403044	8.405024	8.429724	8.433302	8.431472	8.427956	8.427061	8.433915	8.433515
BMPR1A	cg0862643	0.02337	6.591922	2.759704	0.013967	0.034321	-4.34631	7.558004	7.543246	7.554897	7.553776	7.554964	7.545332	7.541596	7.550003	7.546115	7.552055	7.549246	7.556129	7.567689	7.560856	7.555121	7.552545
ZHX2	cg0786913	0.023371	6.733407	2.714168	0.015335	0.037113	-4.30611	7.616618	7.620989	7.629434	7.625259	7.621632	7.629293	7.621382	7.634138	7.612176	7.623481	7.636384	7.634137	7.623172	7.635611	7.636405	7.632132
STARD13	cg2682640	0.023424	6.584763	3.131122	0.006455	0.018404	-3.60243	7.546498	7.546752	7.543167	7.55437	7.545648	7.546487	7.54234	7.538888	7.548874	7.547078	7.558305	7.555463	7.560183	7.553472	7.547129	7.548126
CYLD	cg0840284	0.02348	6.698069	2.753579	0.014144	0.034675	-4.26025	7.607826	7.616952	7.600494	7.612825	7.601035	7.606333	7.59551	7.608052	7.599791	7.606152	7.613637	7.605819	7.617197	7.620382	7.610419	7.60721
DKK3	cg0592816	0.023493	7.94235	2.632051	0.018136	0.042434	-4.3915	8.407819	8.391385	8.396817	8.391825	8.389275	8.384242	8.395122	8.389064	8.386756	8.391116	8.409582	8.389199	8.401763	8.408004	8.419292	8.40966
RASSF3	cg1854441	0.023518	6.596061	2.578154	0.020234	0.046222	-4.69589	7.553161	7.547472	7.550011	7.551441	7.550763	7.562087	7.548803	7.551614	7.544012	7.556847	7.549989	7.567282	7.569756	7.557771	7.564144	7.550536
EMP1	cg0422743	0.023714	6.762668	2.778339	0.013442	0.033294	-4.15368	7.631979	7.642537	7.635967	7.637616	7.633554	7.639715	7.651278	7.634815	7.635975	7.638305	7.645927	7.643336	7.658588	7.655409	7.646373	7.654121
TXNIP	cg1887982	0.023762	6.582972	2.627758	0.018295	0.042719	-4.61146	7.537034	7.540927	7.558377	7.540839	7.547564	7.539961	7.538805	7.545888	7.553091	7.540431	7.561759	7.54724	7.554209	7.551917	7.559582	7.550612
CHD5	cg0419922	0.023783	6.650326	2.724902	0.015002	0.03642	-4.36072	7.585755	7.583701	7.585581	7.577639	7.586325	7.584599	7.57961	7.575389	7.579389	7.570743	7.570979	7.590994	7.592005	7.587708	7.581787	7.594146
ZHX2	ch.8.24429	0.023843	6.580373	3.088549	0.007056	0.019767	-3.6906	7.537262	7.540165	7.538749	7.54408	7.540019	7.545147	7.543234	7.545241	7.543696	7.545158	7.552087	7.566723	7.550266	7.556019	7.544607	7.554522
RASAL2	cg1593579	0.023882	6.624824	3.344706	0.00412	0.012802	-3.12684	7.577492	7.569513	7.570617	7.573409	7.579765	7.572335	7.562382	7.561927	7.559897	7.560188	7.564131	7.570861	7.580022	7.573768	7.569466	7.567662
VIM	cg0987327	0.023948	6.586213	2.561653	0.020922	0.047556	-4.73882	7.541116	7.560889	7.537266	7.550166	7.548783	7.554699	7.54865	7.540374	7.543612	7.544668	7.553833	7.557255	7.558006	7.557819	7.556618	7.540997
DCUN1D3	cg1568178	0.024028	6.600095	2.629858	0.018217	0.042554	-4.59262	7.558085	7.554376	7.54874	7.560644	7.552935	7.557603	7.550227	7.549392	7.556909	7.550361	7.567666	7.56154	7.564569	7.543321	7.567314	7.565231
CDH4	cg2057320	0.024038	6.608688	2.680431	0.016432	0.039229	-4.4876	7.557672	7.548517	7.570077	7.55745	7.569493	7.569918	7.557313	7.55393	7.552823	7.554844	7.561781	7.568609	7.572097	7.562976	7.559211	7.563081
HIC1	cg1702901	0.024074	7.875283	3.325482	0.00429	0.013252	-2.95719	8.346392	8.342428	8.346416	8.341346	8.34057	8.336127	8.3367	8.344824	8.347251	8.3451	8.365636	8.353959	8.356334	8.360415	8.361286	8.358523
CREM	cg2627372	0.024081	6.581836	2.757279	0.014037	0.034471	-4.35651	7.531092	7.543115	7.547388	7.543216	7.542257	7.540196	7.538314	7.544545	7.555109	7.543156	7.55643	7.554278	7.564514	7.546278	7.556061	7.553094
SPI1	cg2430711	0.024093	7.310884	2.675276	0.016606	0.03957	-4.12307	7.966689	7.962485	7.967267	7.961423	7.959598	7.957666	7.956493	7.955998	7.96204	7.965921	7.970286	7.977002	7.974042	7.963483	7.983707	7.972653
MYH9	cg0957347	0.024146	7.864393	2.53417	0.022116	0.049789	-4.53998	8.330217	8.345906	8.337478	8.328165	8.333747	8.322943	8.3212	8.344938	8.333589	8.345989	8.356706	8.353551	8.339831	8.361016	8.353632	8.349203
AKT1	cg1183034	0.02435	6.6555	3.23509	0.005189	0.015467	-3.32094	7.581498	7.57753	7.584247	7.590894	7.584261	7.583763	7.590934	7.576197	7.579163	7.575981	7.590839	7.588187	7.595388	7.593825	7.589993	7.587024
TCF7L2	cg1473733	0.024355	6.614814	2.797643	0.012917	0.032274	-4.24666	7.553232	7.572829	7.561462	7.556367	7.561104	7.561051	7.550423	7.571662	7.560982	7.558468	7.568621	7.565115	7.571841	7.575887	7.572534	7.568962
IRF1	cg0591528	0.024481	6.674916	2.606063	0.019121	0.044203	-4.56925	7.588863	7.596978	7.593574	7.590003	7.595357	7.605425	7.584145	7.59558	7.600021	7.580375	7.604532	7.595729	7.607287	7.60585	7.595557	7.594061
CADM2	cg2054172	0.024532	6.590627	3.227401	0.005274	0.015667	-3.39773	7.549183	7.54167	7.550083	7.559174	7.550555	7.546347	7.550266	7.544972	7.544033	7.550108	7.553269	7.562494	7.563587	7.554576	7.557115	7.553508
CREM	cg2750920	0.024553	6.58474	3.395642	0.0037	0.01169	-3.05144	7.540735	7.543213	7.549672	7.542077	7.545039	7.541956	7.543877	7.541446	7.541806	7.556704	7.559129	7.560239	7.553222	7.553224	7.557308	7.553054
ARHGEF12	cg2609865	0.024571	6.616385	2.87334	0.011047	0.028423	-4.09385	7.561922	7.549432	7.565094	7.571128	7.559938	7.562283	7.563055	7.564869	7.553513	7.563495	7.575782	7.563677	7.577844	7.571787	7.566515	7.573222
CAV1	cg0126559	0.02459	6.609806	3.310923	0.004424	0.013563	-3.20317	7.556026	7.553905	7.551753	7.551862	7.565488	7.558288	7.567073	7.558348	7.551474	7.559304	7.567146	7.568966	7.571433	7.570487	7.571909	7.565667
STARD13	cg0796614	0.024626	6.585896	3.254974	0.004977	0.014958	-3.34347	7.541991	7.543006	7.543748	7.543841	7.545316	7.551908	7.543443	7.541681	7.55323	7.546313	7.558581	7.561976	7.561752	7.551887	7.550598	7.552916
STAT5A	cg2101033	0.02471	7.898785	2.737102	0.014631	0.035657	-4.16273	8.360941	8.35998	8.362655	8.358652	8.366454	8.362272	8.355008	8.356234	8.37612	8.346701	8.37732	8.378372	8.377114	8.359699	8.378035	8.37916
TET2	cg0238207	0.024799	6.689901	2.770252	0.013667	0.033736	-4.23299	7.59166	7.598604	7.610281	7.602281	7.59658	7.607098	7.606483	7.596072	7.593015	7.600168	7.613696	7.614695	7.598547	7.604379	7.614122	7.61259
CACNA2D3	cg0139195	0.024813	7.447344	2.568259	0.020644	0.047008	-4.34315	8.056217	8.04765	8.05627	8.051358	8.049673	8.053383	8.045163	8.047425	8.041726	8.051686	8.046654	8.067371	8.073321	8.062041	8.065816	8.050949
RAB7A	cg0853548	0.024815	7.92627	2.614561	0.018793	0.043642	-4.41695	8.380225	8.38887	8.367284	8.390894	8.376888	8.382564	8.392552	8.376062	8.376711	8.369503	8.39813	8.402233	8.382115	8.403151	8.387128	8.399326
CABLES1	cg0941432	0.024838	6.613101	3.35327	0.004046	0.012613	-3.11439	7.563241	7.561881	7.561246	7.561755	7.555845	7.560821	7.549261	7.561862	7.557514	7.567105	7.575618	7.570825	7.564549	7.571309	7.568883	7.564557
SMAD4	cg0541664	0.024846	6.633955	2.719361	0.015173	0.036758	-4.38237	7.565137	7.569395	7.567096	7.570693	7.563977	7.581716	7.578076	7.575133	7.561109	7.569226	7.574914	7.586686	7.578556	7.575876	7.58068	7.591406
RND3	cg1289775	0.024851	6.72008	2.656006	0.017272	0.04076	-4.42659	7.610952	7.612246	7.615192	7.607993	7.602467	7.612224	7.630596	7.606787	7.622427	7.616714	7.62788	7.62328	7.63244	7.641487	7.632335	7.623112
CUX1	cg2732480	0.024861	7.953054	2.843564	0.011749	0.029861	-3.97702	8.419054	8.403486	8.413363	8.399805	8.421824	8.41158	8.397805	8.391666	8.386485	8.390566	8.40341	8.410925	8.403366	8.419704	8.398142	8.414757
DCC	cg0184182	0.024899	6.619006	2.736392	0.014652	0.035692	-4.36214	7.573638	7.556988	7.559457	7.560375	7.556465	7.558796	7.5545	7.567956	7.561346	7.57103	7.569335	7.566689	7.584308	7.576148	7.5717	7.576686
TMEM127	cg1793943	0.024903	6.622996	2.816347	0.012429	0.031284	-4.20328	7.575634	7.564388	7.554685	7.567167	7.571155	7.56963	7.56782	7.558014	7.559386	7.568011	7.583838	7.572968	7.571867	7.571282	7.576308	7.566224
FOXO4	cg2452207	0.024907	6.579347	3.428025	0.003456	0.011109	-2.99177	7.542833	7.547522	7.537996	7.546516	7.548475	7.539847	7.546342	7.540377	7.535698	7.543153	7.548942	7.556499	7.548806	7.558565	7.551969	7.544878
EPAS1	cg0178048	0.02491	6.61638	3.624443	0.002283	0.007903	-2.54565	7.569765	7.564009	7.56796	7.558106	7.568149	7.564154	7.562831	7.557235	7.560783	7.554681	7.56241	7.569775	7.567747	7.573469	7.569071	7.573209
EZH1	cg0697549	0.024934	6.608566	2.704859	0.015631	0.037676	-4.44145	7.563251	7.566074	7.560479	7.570713	7.556277	7.566125	7.545534	7.550157	7.558363	7.559443	7.563481	7.573351	7.567218	7.551707	7.568531	7.558104
RCHY1	cg2546704	0.025076	6.615982	2.849064	0.011616	0.029609	-4.14442	7.555103	7.558101	7.569798	7.557419	7.563238	7.575311	7.563916	7.561482	7.556238	7.557648	7.578102	7.562848	7.57073	7.564726	7.577558	7.567963
RNF111	cg0870417	0.025082	6.669243	2.91391	0.010156	0.026552	-3.96532	7.593158	7.599855	7.58893	7.590019	7.58915	7.587676	7.583346	7.58266	7.583774	7.599015	7.603754	7.598625	7.592422	7.604849	7.599709	7.588477
CLDN23	cg1954248	0.025123	6.605029	2.622779	0.018482	0.043049	-4.59541	7.548203	7.547685	7.544367	7.553347	7.555402	7.554928	7.566775	7.550202	7.550285	7.565987	7.58146	7.563087	7.57325	7.563176	7.562573	7.569256
MOB1B	cg1145735	0.025133	6.586171	2.624327	0.018424	0.04294	-4.61654	7.550387	7.539158	7.546691	7.553383	7.549023	7.545071	7.537139	7.550347	7.533975	7.558036	7.558142	7.552291	7.563094	7.55546	7.547134	7.555143
ZHX2	cg2318159	0.025137	6.675722	3.006897	0.008369	0.022691	-3.76862	7.589644	7.584654	7.593377	7.58717	7.589934	7.602682	7.594935	7.597368	7.595233	7.583531	7.60752	7.605642	7.596868	7.603205	7.59968	7.608779
SYNPO2	cg1234157	0.025222	7.840013	2.694008	0.015982	0.038386	-4.21966	8.305411	8.324257	8.315361	8.298446	8.316028	8.306501	8.329469	8.320505	8.313982	8.32127	8.333543	8.325722	8.336956	8.33613	8.347676	8.347421
NDRG2	cg2042475	0.025283	7.401194	2.629628	0.018226	0.042565	-4.21909	8.034947	8.021612	8.02847	8.02118	8.018444	8.032107	8.025605	8.005571	8.008118	8.016846	8.032503	8.031588	8.018529	8.033505	8.028166	8.02736

MXI1	cg2065286	0.025346	6.688145	3.073122	0.007288	0.020282	-3.6222	7.594518	7.599537	7.598315	7.590559	7.594764	7.60421	7.590485	7.603693	7.607246	7.597529	7.608582	7.609892	7.617796	7.614953	7.606026	7.607368
CEBPD	cg0423984	0.025366	6.658209	2.905466	0.010335	0.026948	-3.99391	7.58075	7.597992	7.587972	7.597302	7.582448	7.579476	7.575539	7.583093	7.57402	7.587947	7.595733	7.587432	7.587569	7.594227	7.591938	7.589069
FOXP1	cg1899614	0.025383	7.918497	2.750461	0.014235	0.034843	-4.14577	8.39573	8.380657	8.377775	8.36813	8.370026	8.382803	8.366706	8.374938	8.378441	8.362361	8.378489	8.386442	8.381185	8.394253	8.388133	8.397161
DIRAS3	cg1614813	0.025415	7.86364	2.644208	0.017693	0.041548	-4.32502	8.331891	8.333079	8.353625	8.332741	8.34032	8.344329	8.334949	8.318625	8.339432	8.332037	8.339193	8.356358	8.356567	8.353873	8.339339	8.343007
TCEB3	cg1971296	0.025417	7.965728	2.897014	0.010518	0.027319	-3.88218	8.408862	8.399828	8.409892	8.406395	8.404519	8.398082	8.422227	8.405475	8.394029	8.419619	8.416213	8.429692	8.425375	8.429327	8.430903	8.434033
DMD	cg0523747	0.025448	7.914509	2.584084	0.019993	0.045834	-4.46797	8.385453	8.374943	8.374697	8.360755	8.371431	8.394165	8.3634	8.377807	8.355427	8.372683	8.372938	8.38418	8.385139	8.384053	8.38978	8.390095
ZBTB4	cg0601479	0.025455	6.655707	2.637547	0.017934	0.04203	-4.52314	7.577704	7.584668	7.579776	7.590941	7.575588	7.582078	7.575428	7.57763	7.594321	7.578817	7.600804	7.595885	7.594042	7.585679	7.582192	7.596127
PER2	cg1078051	0.025459	6.610828	2.930294	0.009816	0.025834	-3.98254	7.549491	7.555737	7.552928	7.560335	7.550617	7.568048	7.564639	7.557441	7.552416	7.564089	7.575845	7.569947	7.572772	7.567146	7.561755	7.574489
TXNIP	cg2517301	0.025499	6.594748	2.992741	0.00862	0.023223	-3.87215	7.556348	7.53978	7.548781	7.54621	7.545835	7.553469	7.547677	7.549226	7.56095	7.546503	7.561888	7.563199	7.565793	7.562475	7.552193	7.564691
SEPT4	cg1529514	0.025505	7.812011	2.833261	0.012002	0.030365	-3.92605	8.295316	8.305507	8.319096	8.307377	8.295979	8.306932	8.291135	8.295401	8.29563	8.289384	8.305475	8.308642	8.309726	8.298342	8.314112	8.320841
TGFBR2	cg1385954	0.025536	6.604696	2.806649	0.01268	0.031819	-4.23712	7.553811	7.548214	7.551721	7.556999	7.556289	7.556664	7.553491	7.571556	7.546031	7.552634	7.568327	7.569873	7.556557	7.574989	7.566811	7.563016
ZDHHC2	cg1907965	0.025541	6.629183	2.631699	0.018149	0.042444	-4.56752	7.57257	7.584789	7.57683	7.575631	7.573409	7.584143	7.55179	7.570394	7.566361	7.558662	7.565257	7.583073	7.570431	7.561926	7.576634	7.577988
ROBO1	cg2692541	0.025554	6.591409	3.497726	0.002983	0.009823	-2.83246	7.541767	7.543344	7.55358	7.55311	7.550829	7.547238	7.546378	7.546206	7.551388	7.549555	7.561668	7.566015	7.559863	7.55636	7.553237	7.556883
PKD1	cg1027808	0.025557	7.839418	2.835461	0.011948	0.030259	-3.93622	8.329527	8.323183	8.318847	8.327893	8.310067	8.318358	8.314507	8.312935	8.308946	8.320774	8.335033	8.338006	8.313772	8.328097	8.334149	8.337491
KLF10	cg0069712	0.025588	6.635314	2.554142	0.021242	0.048134	-4.70535	7.565025	7.586623	7.570607	7.576929	7.575873	7.567234	7.575872	7.568247	7.554599	7.578761	7.576775	7.57563	7.581739	7.586473	7.575982	7.584588
NFATC1	cg1699748	0.025619	7.968566	2.8591	0.011377	0.029123	-3.95709	8.412045	8.421527	8.410164	8.43142	8.406471	8.403802	8.410602	8.403296	8.403816	8.413408	8.434591	8.424355	8.417458	8.416914	8.43248	8.425239
RHOBTB2	cg0004151	0.025663	6.611329	2.713388	0.01536	0.037141	-4.41988	7.570907	7.553647	7.556569	7.558714	7.566187	7.570281	7.563201	7.557826	7.550943	7.552349	7.558696	7.562438	7.577776	7.568645	7.573357	7.560144
TGFBR2	cg1948204	0.025681	6.580519	3.499609	0.002972	0.009797	-2.84058	7.5435	7.542239	7.538589	7.547992	7.54715	7.545479	7.539828	7.539949	7.545499	7.542461	7.552966	7.554639	7.562439	7.54951	7.550769	7.545039
RB1CC1	cg1702724	0.025723	6.632285	2.69381	0.015988	0.038393	-4.43817	7.574688	7.562843	7.57223	7.565684	7.588848	7.576437	7.568676	7.567532	7.561035	7.570584	7.583454	7.582357	7.576142	7.572988	7.570292	7.581892
EXTL2	cg0773980	0.025749	6.608915	3.693565	0.001973	0.007029	-2.4056	7.565504	7.562623	7.56046	7.556033	7.553895	7.558278	7.556538	7.551037	7.553494	7.562922	7.566331	7.560045	7.56822	7.571022	7.570097	7.565111
LIFR	cg1184172	0.025791	6.602763	2.90432	0.01036	0.026999	-4.04722	7.554239	7.563675	7.547721	7.565598	7.548495	7.563412	7.552997	7.549254	7.551666	7.555298	7.557832	7.57129	7.568447	7.559329	7.564357	7.557299
ZMYND10	cg0632315	0.025873	7.912773	2.770784	0.013652	0.033714	-4.10796	8.367733	8.373278	8.347319	8.353349	8.362468	8.350854	8.383564	8.364489	8.37691	8.378197	8.382733	8.39611	8.393861	8.399152	8.387576	8.399649
PAIP2	cg0529568	0.025916	6.609882	2.983697	0.008784	0.023604	-3.88024	7.560585	7.563398	7.561292	7.552021	7.556405	7.573812	7.557514	7.549172	7.563578	7.552493	7.563773	7.567792	7.571361	7.560393	7.566173	7.569929
EGR2	cg1757010	0.025946	6.708082	3.537329	0.002744	0.009207	-2.63982	7.605121	7.59889	7.60558	7.613824	7.600325	7.600119	7.613337	7.608242	7.613715	7.613746	7.627455	7.622533	7.626579	7.619539	7.624225	7.622131
SIRT2	cg2294597	0.025958	6.580026	3.141912	0.00631	0.018082	-3.58533	7.547379	7.537421	7.544543	7.536765	7.551215	7.550383	7.544513	7.538601	7.540429	7.54117	7.551326	7.546686	7.561669	7.545669	7.549486	7.556784
MAP3K8	cg2568062	0.025976	6.592772	3.623562	0.002287	0.007913	-2.56596	7.545438	7.545057	7.545489	7.552448	7.547213	7.552325	7.54673	7.549004	7.555175	7.547324	7.562281	7.562756	7.567577	7.560093	7.554583	7.55518
UVRAG	cg0184639	0.026141	7.930246	2.911767	0.010201	0.026643	-3.83403	8.392067	8.37945	8.3644	8.387292	8.372898	8.368899	8.393504	8.378689	8.378635	8.388873	8.406824	8.393767	8.401907	8.40644	8.402312	8.404115
LIMA1	cg2115004	0.026227	6.647064	3.552129	0.00266	0.008979	-2.66971	7.583368	7.576697	7.582394	7.57339	7.58634	7.58868	7.573091	7.572474	7.570777	7.579932	7.586419	7.58771	7.587216	7.581942	7.587607	7.580942
GLI1	cg2166068	0.026326	6.605416	2.793048	0.01304	0.03251	-4.26492	7.558468	7.550162	7.555168	7.55145	7.565478	7.554292	7.559558	7.547087	7.545733	7.568213	7.575356	7.567925	7.562735	7.563082	7.564544	7.563657
GSK3B	cg0942517	0.026369	6.655566	2.536073	0.022032	0.049608	-4.7193	7.572337	7.579564	7.590637	7.566571	7.592756	7.588702	7.582882	7.577673	7.581907	7.582146	7.59884	7.592502	7.5908	7.59862	7.595064	7.579533
TCF7L2	cg1193360	0.026389	7.916197	2.678696	0.01649	0.03936	-4.28574	8.3758	8.387361	8.380117	8.381508	8.380065	8.35432	8.373982	8.365948	8.361497	8.374988	8.380696	8.386832	8.378097	8.392448	8.401481	8.381415
DUSP6	cg1824718	0.026393	6.646898	2.576	0.020323	0.046379	-4.65288	7.578209	7.571758	7.583169	7.582204	7.585664	7.579326	7.58537	7.56541	7.570084	7.57888	7.594023	7.588463	7.582611	7.593143	7.591275	7.568191
EPAS1	cg2446056	0.026397	6.695332	2.964315	0.009145	0.024391	-3.83587	7.603209	7.593707	7.603455	7.599633	7.594412	7.597883	7.606855	7.611918	7.598197	7.600823	7.607373	7.621245	7.605664	7.614546	7.620912	7.626845
DAB2	cg0689458	0.026416	7.983863	2.570289	0.020559	0.046844	-4.53757	8.408929	8.418657	8.411548	8.42223	8.386979	8.411282	8.424797	8.418938	8.425039	8.44305	8.438928	8.456653	8.445676	8.450637	8.434035	8.450381
ING3	cg1550899	0.026449	6.682566	3.790519	0.001608	0.005929	-2.13608	7.607573	7.600681	7.597737	7.594935	7.604487	7.596875	7.595413	7.591372	7.588871	7.594863	7.60486	7.599489	7.601892	7.607081	7.609896	7.601903
CDKN1B	cg2427466	0.026473	7.660904	2.671415	0.016737	0.039826	-4.19461	8.186777	8.187613	8.188606	8.178886	8.204825	8.182198	8.191174	8.187511	8.20302	8.1933	8.22157	8.205409	8.216951	8.201386	8.204508	8.212652
PTPN1	cg1246319	0.026565	6.614257	3.419933	0.003516	0.011249	-2.97471	7.562314	7.559115	7.562496	7.567718	7.564639	7.553483	7.553999	7.558621	7.560261	7.562554	7.571184	7.569538	7.575672	7.56247	7.565718	7.576117
CREM	cg0117473	0.026579	6.589959	4.525557	0.000346	0.001719	-0.66601	7.542319	7.547587	7.544023	7.550269	7.547295	7.546305	7.54629	7.549978	7.548981	7.547081	7.560687	7.55884	7.563153	7.558769	7.557056	7.556877
NCOA4	ch.10.1117	0.026588	6.603631	4.565817	0.000318	0.001607	-0.56926	7.553719	7.551062	7.557241	7.552558	7.554769	7.554881	7.557082	7.555185	7.554901	7.551407	7.56272	7.566698	7.565258	7.568854	7.569944	7.561752
LSAMP	cg2531536	0.026604	7.548602	2.617955	0.018664	0.043421	-4.26513	8.110379	8.124296	8.128593	8.119621	8.121853	8.118612	8.10846	8.1282	8.103491	8.108925	8.121941	8.132884	8.121366	8.139048	8.136292	8.119144
PRKCE	cg1030089	0.02662	7.938291	2.703898	0.015662	0.037735	-4.24869	8.393223	8.398513	8.402559	8.379132	8.387183	8.385437	8.373519	8.396437	8.383061	8.39084	8.385489	8.404176	8.403105	8.413581	8.413421	8.403976
RASSF1	cg0424200	0.026636	7.888164	3.144658	0.006274	0.017987	-3.33801	8.338745	8.353882	8.347086	8.341463	8.346131	8.361706	8.35579	8.346662	8.35686	8.355161	8.381848	8.372921	8.369484	8.371096	8.370823	8.362401
HOPX	cg0230520	0.026658	6.792404	2.662932	0.01703	0.040354	-4.35965	7.653925	7.671683	7.653071	7.650383	7.647656	7.659422	7.654989	7.647846	7.647389	7.663907	7.655404	7.663015	7.673007	7.66971	7.669103	7.664656
SRGAP3	cg2308139	0.0267	6.630836	3.29737	0.004552	0.013882	-3.21355	7.570399	7.575074	7.564771	7.566187	7.564925	7.57394	7.565971	7.565401	7.574829	7.565665	7.578297	7.581507	7.580667	7.586952	7.582327	7.566695
KLF6	cg1811543	0.02671	6.574383	2.989419	0.00868	0.023362	-3.90441	7.542906	7.542472	7.539451	7.542748	7.554596	7.538742	7.534245	7.53561	7.539836	7.538465	7.544433	7.552626	7.557351	7.544645	7.53622	7.553576
EPHA2	cg0917826	0.026741	6.674023	2.697418	0.015871	0.038149	-4.38761	7.601595	7.58502	7.582636	7.595666	7.579497	7.586742	7.597888	7.593084	7.59214	7.58673	7.597868	7.612957	7.591997	7.61187	7.604578	7.605799
EXTL2	cg0367588	0.026745	6.562822	3.339857	0.004162	0.012904	-3.19355	7.53409	7.542595	7.537483	7.52774	7.536102	7.539407	7.529388	7.534452	7.535558	7.528489	7.535252	7.541277	7.547329	7.555025	7.540612	7.538783
PF4	cg0550960	0.026765	7.960778	2.621729	0.018521	0.043124	-4.42417	8.394531	8.402036	8.405245	8.379606	8.413185	8.393004	8.408009	8.398375	8.421209	8.404293	8.41817	8.42324	8.438949	8.419349	8.435832	8.421651
EPHA2	cg0051910	0.026902	6.695269	3.521482	0.002838	0.009454	-2.69209	7.611474	7.603804	7.612499	7.59582	7.609416	7.615724	7.595536	7.60002	7.597785	7.601018	7.613852	7.608	7.607637	7.610035	7.613347	7.609818
CREM	cg2188403	0.026914	6.5793	2.800404	0.012844	0.032118	-4.27352	7.540417	7.528948	7.547205	7.538439	7.546151	7.535476	7.53241	7.555275	7.537614	7.548407	7.552289	7.554234	7.558653	7.560693	7.547803	7.55436
CYB5A	cg2378051	0.026939	6.767498	2.711316	0.015425	0.03726	-4.28798	7.658272	7.636016	7.636578	7.64763	7.660333	7.645609	7.639014	7.64001	7.628255	7.640509	7.649106	7.65552	7.649261	7.648917	7.645078	7.647359
DIRAS3	cg2250000	0.026955	7.878615	2.738085	0.014601	0.035613	-4.14984	8.341106	8.339219	8.341264	8.367862	8.339936	8.355991	8.352061	8.339668	8.33337	8.346301	8.364619	8.369249	8.363709	8.358995	8.357804	8.350642
EXTL2	cg1892410	0.02701	6.588069	3.637152	0.002223	0.007747	-2.54214	7.54282	7.542616	7.544971	7.548773	7.546764	7.547751	7.546322	7.540443	7.550627	7.549879	7.565579	7.557755	7.564634	7.55492	7.556132	7.55007
CYB5A	cg2245619	0.027071	6.601453	2.655075	0.017305	0.040821	-4.54269	7.548668	7.568765	7.552247	7.55608	7.549565	7.561274	7.55294	7.551675	7.541019	7.560345	7.555371	7.554712	7.575793	7.565488	7.56769	7.558562
RNASEL	cg1122927	0.027072	7.740624	2.797829	0.012913	0.032269	-3.96724	8.261058	8.261044	8.248379	8.245973	8.248639	8.242241	8.241196	8.23771	8.248143	8.249261	8.274811	8.254191	8.247336	8.266004	8.266622	8.260006
ARMC5	cg0304247	0.027089	6.617667	3.558054	0.002627	0.008883	-2.6787	7.56264	7.558595	7.557316	7.559215	7.560095	7.557809	7.554114	7.565156	7.571585	7.560832	7.581882	7.575501	7.57204	7.577444	7.568439	7.571653
CST5	cg1636542	0.027138	6.737656	3.488448	0.003042	0.009989	-2.72243	7.625228	7.630692	7.622464	7.62308	7.625978	7.627476	7.632475	7.618862	7.622921	7.621936	7.632843	7.641918	7.628584	7.641191	7.633005	7.640232
RASSF3	cg0550359	0.02719	7.984368	2.691748	0.016056	0.038499	-4.29922	8.426867	8.416251	8.417108	8.422545	8.423337	8.404004	8.420242	8.405778	8.430634	8.435954	8.448006	8.447415	8.445207	8.424359	8.448515	8.437164
RHOA	cg2316554	0.027353	6.588384	2.704934	0.015628	0.037676	-4.46055	7.542789	7.560417	7.551885	7.549993	7.559401	7.548381	7.541369	7.539313	7.546163	7.545437	7.563435	7.552666	7.554627	7.546317	7.542335	7.568122
CBFA2T3	cg1529298	0.027376	7.808069	2.599558	0.019375	0.044667	-4.38454	8.313978	8.293577	8.285622	8.282248	8.299109	8.302096	8.290178	8.303505	8.301618	8.276683	8.311742	8.304228	8.304342	8.314583	8.318706	8.31202
CBFA2T3	cg2650742	0.027527	7.769658	2.867123	0.01119	0.028733	-3.83906	8.280819	8.27223	8.283478	8.268306	8.263162	8.276513	8.258057	8.266461	8.266003	8.260414	8.268517	8.278859	8.281965	8.283512	8.272938	8.2979
EPB41L3	cg0063917	0.027528	6.611651	2.613268	0.018843	0.043721	-4.61718	7.559987	7.556452	7.562133	7.568377	7.5721	7.570183	7.556036	7.54927	7.563137	7.549482	7.576241	7.568674	7.573539	7.562283	7.568764	7.54778
RASSF3	cg1568999	0.027608	6.599646	3.688078	0.001996	0.007091	-2.42382	7.551691	7.547244	7.547807	7.553877	7.553485	7.556292	7.551566	7.550449	7.555787	7.551988	7.564522	7.566795	7.572698	7.555319	7.566708	7.559054
TSPAN13	cg1949831	0.027643	6.652216	2.605986	0.019123	0.044203	-4.58456	7.570882	7.574017	7.579178	7.57503	7.586701	7.568861	7.581017	7.571209	7.591197	7.582798	7.592325	7.602329	7.600502	7.591716	7.598002	7.576927
ZBTB7C	cg0547740	0.027648	7.837998	3.136728	0.006379	0.018234	-3.32799	8.318378	8.312519	8.316888	8.313522	8.315674	8.304842	8.312188	8.327822	8.304385	8.321146	8.337408	8.328154	8.32593	8.336254	8.347064	8.333312
SOD2	cg0339838	0.027672	6.644039	2.866577	0.011203	0.028759	-4.0875	7.570469	7.58462	7.595288	7.569817	7.586448	7.590378	7.573176	7.571274	7.565617	7.571918	7.587452	7.575054	7.579583	7.589431	7.578883	7.584387
PDCD4	cg0853374	0.027678	6.604728	3.655817	0.002137	0.007506	-2.48581	7.552672	7.549885	7.55035	7.555817	7.554237	7.555218	7.557379	7.549571	7.559126	7.557225	7.576426	7.571952	7.565416	7.562188	7.560003	7.569803
HIVEP3	cg1593707	0.027752	6.628146	2.959746	0.009233	0.024564	-3.91163	7.566667	7.571792	7.578319	7.570259	7.574104	7.563516	7.559502	7.565745	7.572596	7.560102	7.580093	7.582723	7.565966	7.565878	7.586693	7.577284
PPM1L	cg0524938	0.027774	6.598401	2.876881	0.010966	0.028259	-4.10371	7.550656	7.550067	7.551073	7.554745	7.54278	7.558129	7.545975	7.549735	7.543596	7.567482	7.563941	7.562891	7.573398	7.556238	7.56623	7.558193
RTN4	cg0426073	0.027805	6.592279	3.518119	0.002858	0.009505	-2.79216	7.546723	7.561104	7.555043	7.546514	7.552021	7.551135	7.542409	7.54389	7.549729	7.548516	7.552287	7.559041	7.561738	7.55104	7.567088	7.556247
FHL1	cg1205756	0.027832	7.982483	3.18121	0.005811	0.016883	-3.31206	8.406066	8.422212	8.423405	8.422892	8.416121	8.419148	8.426734	8.428186	8.419296	8.408455	8.433271	8.441885	8.43446	8.442278	8.455272	8.43142
SDHD	cg0828151	0.02786	6.734883	2.914527	0.010143	0.026524	-3.90612	7.622413	7.621727	7.624836	7.620788	7.638118	7.614627	7.627118	7.624743	7.621409	7.617451	7.632635	7.623515	7.645838	7.641078	7.634008	7.634813
RND3	cg1199614	0.027958	6.614339	3.357877	0.004007	0.012522	-3.10177	7.554189	7.552974	7.556882	7.566377	7.561814	7.559617	7.563556	7.557315	7.562595	7.557686	7.574411	7.569562	7.584529	7.565589	7.56645	7.5732
TANK	cg0057529	0.027959	6.712606	3.069827	0.007338	0.020407	-3.6086	7.612067	7.617704	7.605134	7.610668	7.609398	7.606279	7.600455	7.614913	7.609582	7.621999	7.619727	7.627747	7.629226	7.619465	7.63222	7.617354
TRIM13	ch.13.6936	0.028036	6.586439	2.607347	0.019071	0.044135	-4.64669	7.536362	7.541957	7.53823	7.552378	7.544902	7.550556	7.544588	7.542984	7.556787	7.540119	7.572195	7.562256	7.560037	7.542678	7.558946	7.551961
VIM	cg0440021	0.028041	7.670354	3.143809	0.006285	0.018015	-3.24918	8.204701	8.192857	8.18987	8.207902	8.200925	8.203365	8.198235	8.203565	8.194877	8.189015	8.20598	8.220448	8.215975	8.209703	8.212718	8.220359
HOPX	cg2189959	0.028046	7.992531	3.357759	0.004008	0.012522	-2.95068	8.427848	8.447057	8.426359	8.427654	8.417887	8.429137	8.424757	8.423259	8.430641	8.424384	8.447054	8.442074	8.436585	8.447687	8.441716	8.455149
SPRY2	cg0492825	0.028058	6.575785	3.311086	0.004422	0.013562	-3.23851	7.540272	7.535148	7.538718	7.541251	7.552829	7.536185	7.538809	7.543548	7.537786	7.537491	7.561968	7.543067	7.553292	7.544743	7.550502	7.553825
SPRY2	cg1099442	0.028063	6.595642	3.491377	0.003024	0.009939	-2.84429	7.556453	7.561595	7.543536	7.545593	7.554933	7.556356	7.548073	7.554676	7.546673	7.543474	7.560834	7.556616	7.554493	7.56132	7.560591	7.56699
SEMA3B	cg0981139	0.028093	7.866185	2.658022	0.017201	0.040643	-4.29954	8.321356	8.339698	8.358645	8.334044	8.33001	8.357974	8.327601	8.328507	8.332623	8.341105	8.352437	8.357811	8.353486	8.344667	8.350994	8.347756
TANK	cg2259480	0.0281	6.780231	2.626766	0.018332	0.042788	-4.43947	7.648324	7.635229	7.659646	7.647223	7.657616	7.64505	7.641994	7.647085	7.647169	7.650714	7.654398	7.665739	7.666313	7.666647	7.663034	7.642489
CDH5	cg0025617	0.028106	7.794793	2.593288	0.019623	0.045122	-4.39222	8.299242	8.285798	8.27536	8.277999	8.273867	8.267771	8.28932	8.273154	8.295189	8.291575	8.307837	8.313085	8.286903	8.314939	8.306528	8.305156
STAT5A	cg0331336	0.028149	7.832407	2.742074	0.014482	0.035368	-4.11778	8.316199	8.313201	8.328738	8.323405	8.305932	8.306732	8.309111	8.305224	8.319131	8.300794	8.341774	8.321216	8.31113	8.32319	8.328474	8.337285
ING4	cg1961186	0.028174	7.991722	2.536088	0.022031	0.049608	-4.60395	8.436221	8.427423	8.427275	8.41205	8.424898	8.424059	8.413783	8.418126	8.422791	8.454055	8.454871	8.455166	8.437657	8.446354	8.453711	8.431503
ABI2	cg0311318	0.028181	6.605675	3.073822	0.007277	0.020262	-3.69604	7.548107	7.55039	7.546699	7.554253	7.569237	7.550722	7.557228	7.555175	7.554883	7.558052	7.571855	7.574244	7.574059	7.564475	7.567049	7.558771
CITED2	cg1146800	0.028185	6.590479	4.255194	0.000606	0.002693	-1.23502	7.550915	7.54891	7.543066	7.548431	7.541726	7.550134	7.549317	7.547634	7.541797	7.551165	7.557196	7.561332	7.556703	7.556245	7.566447	7.558777
DLG1	cg1353483	0.028202	6.678237	2.876777	0.010969	0.028259	-4.03139	7.592441	7.585209	7.595866	7.59895	7.609705	7.587753	7.586088	7.597782	7.588436	7.594423	7.603971	7.606917	7.613146	7.599144	7.596134	7.605586
RB1CC1	cg0836962	0.028229	7.986047	2.854554	0.011485	0.02932	-3.97418	8.441574	8.438754	8.422026	8.423798	8.419724	8.435392	8.40922	8.415338	8.432339	8.413308	8.435504	8.443811	8.430232	8.452916	8.425927	8.433082
RND3	cg1122363	0.028249	6.628497	3.939448	0.001175	0.00459	-1.86674	7.56499	7.565564	7.564017	7.566347	7.568398	7.57626	7.569861	7.567938	7.565693	7.562616	7.579759	7.57834	7.581597	7.575197	7.572641	7.584922
TGFBR3	cg1368009	0.028271	7.591088	2.580768	0.020127	0.046061	-4.34932	8.131116	8.129345	8.135192	8.15652	8.135263	8.145266	8.164082	8.142813	8.136684	8.142247	8.176198	8.16203	8.160624	8.167852	8.162695	8.154657
ADPRH	cg0666628	0.02831	7.96142	3.077505	0.007221	0.020151	-3.51432	8.399166	8.4041	8.399051	8.407219	8.390642	8.402731	8.408426	8.400042	8.423991	8.393575	8.425324	8.429068	8.427571	8.426155	8.412742	8.434291
DLG1	cg2762301	0.028352	7.944691	2.643536	0.017717	0.04158	-4.37061	8.404276	8.383367	8.39984	8.400086	8.3808	8.392279	8.375513	8.399715	8.384041	8.405548	8.408042	8.407055	8.416876	8.42605	8.395563	8.409382
ATF3	cg0786209	0.028363	6.572426	3.350944	0.004066	0.012662	-3.16096	7.545564	7.543611	7.536296	7.538956	7.534366	7.548102	7.532822	7.540896	7.534476	7.537118	7.55657	7.533054	7.55227	7.551286	7.547996	7.548534
DUSP1	cg0681944	0.028433	7.274409	2.80615	0.012693	0.031844	-3.8635	7.931005	7.940344	7.945914	7.945958	7.938228	7.944366	7.935952	7.935394	7.929028	7.938164	7.954227	7.962394	7.938938	7.93932	7.950675	7.958128
BMPR1A	cg0681791	0.028482	6.626321	2.92871	0.009848	0.025895	-3.97274	7.570829	7.569783	7.575307	7.559837	7.56115	7.557556	7.566644	7.555278	7.574733	7.566407	7.580474	7.571289	7.573738	7.590535	7.572372	7.580266
VWA5A	cg1016430	0.028558	6.58678	3.743382	0.001776	0.006431	-2.3193	7.5403	7.538852	7.540963	7.546689	7.549369	7.550811	7.543709	7.548392	7.544922	7.546847	7.558901	7.565727	7.563139	7.553512	7.552967	7.554437
EPHA3	cg1031523	0.028587	6.60021	3.266133	0.004861	0.014688	-3.30549	7.547953	7.547805	7.546418	7.558346	7.553386	7.549775	7.550014	7.552586	7.552955	7.557591	7.560397	7.577972	7.571905	7.566022	7.562234	7.554729
NR4A3	cg1370307	0.028596	6.583567	2.75198	0.01419	0.034759	-4.36999	7.553932	7.54743	7.534847	7.536896	7.545499	7.560523	7.541141	7.543951	7.538727	7.54471	7.549387	7.551052	7.564991	7.551153	7.54614	7.562842
HRASLS2	cg1924056	0.028613	7.688184	3.317284	0.004365	0.013429	-2.89792	8.199209	8.204494	8.207538	8.214612	8.205205	8.202792	8.214411	8.223586	8.208193	8.203614	8.233192	8.230003	8.220696	8.233524	8.231495	8.235457
PER2	cg0297654	0.02862	6.758612	2.532799	0.022178	0.049907	-4.63375	7.625277	7.63645	7.626045	7.628646	7.644577	7.626515	7.630785	7.655952	7.633426	7.633439	7.655913	7.645031	7.649987	7.65163	7.665718	7.6413
CBL	cg0065775	0.028707	6.599868	2.757014	0.014044	0.034482	-4.34748	7.561744	7.549271	7.560363	7.570033	7.557577	7.554751	7.543378	7.54601	7.555721	7.546816	7.568475	7.55275	7.571605	7.545695	7.558953	7.564005
SRGAP3	cg0457669	0.028761	7.641623	3.022188	0.008106	0.022067	-3.4896	8.175718	8.187292	8.170234	8.176629	8.169351	8.174542	8.180901	8.17326	8.191788	8.170718	8.204018	8.19056	8.191669	8.205948	8.190403	8.20118
EDNRB	cg2602201	0.028788	7.346492	2.545319	0.021624	0.048863	-4.37637	7.975499	7.984954	7.985162	7.97618	8.000016	7.992412	7.976479	7.978173	7.99178	7.976175	8.000428	8.004811	7.999051	7.979024	8.005096	7.995062
SDHD	cg0359481	0.028801	6.587869	3.051919	0.007618	0.021022	-3.76184	7.548112	7.551242	7.544409	7.539229	7.545335	7.559999	7.550767	7.539491	7.539665	7.5487	7.544693	7.561589	7.563933	7.563451	7.555453	7.552382
FAS	cg2700869	0.028804	6.580098	3.211702	0.00545	0.016067	-3.44381	7.545438	7.538593	7.542234	7.553313	7.546322	7.554895	7.540531	7.540821	7.536325	7.538561	7.55479	7.547516	7.562597	7.557453	7.545447	7.539826
TRIM13	cg0460383	0.028876	6.62102	3.176583	0.005868	0.017018	-3.47314	7.55988	7.563006	7.563569	7.560181	7.558461	7.580636	7.564093	7.567925	7.562482	7.554053	7.570118	7.579402	7.573273	7.569262	7.582808	7.57293
RUNX3	cg0571496	0.028902	7.878416	3.298062	0.004545	0.013872	-3.01319	8.342297	8.354919	8.349703	8.337475	8.354126	8.364873	8.334218	8.34479	8.3417	8.339225	8.358572	8.368072	8.357698	8.35875	8.36183	8.351186
NGFR	cg1280476	0.028912	7.868026	2.848687	0.011625	0.029619	-3.92757	8.327086	8.352605	8.329664	8.325206	8.322394	8.334183	8.336129	8.348917	8.342013	8.330034	8.351853	8.359614	8.344989	8.358441	8.365107	8.371869
AHNAK	cg0877830	0.028964	6.608684	4.66252	0.000261	0.001369	-0.36349	7.557395	7.558023	7.559205	7.560237	7.553793	7.556652	7.552279	7.556416	7.55634	7.558801	7.573848	7.570467	7.562352	7.566452	7.571212	7.5663
ZBTB4	cg1461664	0.029038	6.632523	2.562888	0.02087	0.047456	-4.6865	7.565837	7.5656	7.576922	7.55955	7.564971	7.563081	7.555497	7.581492	7.583833	7.561677	7.570454	7.581885	7.591629	7.587073	7.584086	7.584519
PEA15	cg1817768	0.029061	6.695703	2.876783	0.010968	0.028259	-4.01494	7.606821	7.595889	7.607846	7.602569	7.604516	7.597095	7.608273	7.593686	7.602884	7.601811	7.619123	7.602374	7.621013	7.602508	7.628871	7.6145
SPOP	cg0800189	0.029074	7.984969	2.664642	0.01697	0.040255	-4.35382	8.431486	8.40078	8.406996	8.398524	8.424419	8.425251	8.431594	8.424227	8.433628	8.411747	8.444112	8.448504	8.443288	8.459333	8.445966	8.430801
IGFBP7	cg0319553	0.029179	7.658059	2.621454	0.018532	0.043139	-4.29105	8.1975	8.18133	8.185571	8.183142	8.174636	8.186529	8.1861	8.204901	8.195967	8.17915	8.213219	8.193672	8.210761	8.220983	8.198263	8.22344
ALDH1A2	cg1480534	0.029182	7.852506	3.359352	0.003995	0.012491	-2.87383	8.326752	8.327286	8.324385	8.319704	8.336805	8.336256	8.330103	8.324391	8.317365	8.321569	8.335759	8.340766	8.351226	8.353266	8.333373	8.34256
PYCARD	cg0024497	0.029195	7.892647	3.535848	0.002753	0.009225	-2.52824	8.361093	8.352116	8.351097	8.345896	8.344168	8.351166	8.360526	8.357593	8.354653	8.351315	8.375062	8.369048	8.365705	8.375511	8.379479	8.389455
PYHIN1	cg0848368	0.029236	6.635299	2.565228	0.020771	0.047251	-4.68141	7.57511	7.559136	7.571509	7.57536	7.569631	7.568099	7.558619	7.581837	7.570444	7.571302	7.592971	7.574267	7.587286	7.566846	7.596276	7.582429
EDNRB	cg2231027	0.029258	7.334523	2.833236	0.012003	0.030365	-3.81355	7.987847	7.975108	7.972092	7.969873	7.9794	7.973952	7.965698	7.985169	7.972633	7.97191	7.987573	7.994098	7.974521	8.001321	7.994147	7.992423
LAT2	cg2125876	0.029341	6.612384	2.578382	0.020225	0.046219	-4.67677	7.553148	7.552139	7.550966	7.555888	7.575383	7.552422	7.555491	7.570592	7.55554	7.55624	7.577145	7.569451	7.576494	7.563404	7.561633	7.584892
PPP2R5C	cg1974554	0.029361	7.821931	3.565434	0.002586	0.008771	-2.42875	8.298615	8.304594	8.317337	8.305575	8.306597	8.302819	8.306666	8.303656	8.29552	8.302057	8.324825	8.316652	8.313517	8.316544	8.3275	8.329466
KL	cg0279654	0.029484	7.415336	2.774963	0.013535	0.033461	-3.93709	8.025782	8.021355	8.016536	8.012215	8.021182	8.045085	8.033883	8.031383	8.017803	8.031046	8.039253	8.047899	8.048314	8.040764	8.052359	8.047224
THRB	cg1307560	0.029492	7.988659	2.786112	0.013228	0.032864	-4.11091	8.44742	8.423208	8.425672	8.431782	8.441923	8.43753	8.415076	8.433461	8.416063	8.405151	8.432227	8.423588	8.451626	8.443726	8.448748	8.426519

PGR	cg2364114	0.029539	7.061084	3.123486	0.006559	0.018655	-3.24597	7.801491	7.811335	7.81239	7.803737	7.816898	7.815593	7.81388	7.79998	7.794928	7.809874	7.816764	7.81695	7.824372	7.822996	7.818357	7.821125
TP53BP2	cg1231676	0.029552	6.59264	2.922547	0.009975	0.026181	-4.02002	7.546334	7.551919	7.5417	7.544661	7.556023	7.56414	7.548473	7.548957	7.543831	7.545437	7.570851	7.549027	7.566806	7.564765	7.554896	7.549865
PRICKLE1	cg2382205	0.029557	6.617788	3.44733	0.003318	0.010729	-2.91702	7.567569	7.569637	7.569139	7.562074	7.556514	7.57333	7.551684	7.559994	7.557565	7.56275	7.576003	7.572127	7.561513	7.563837	7.580868	7.570559
NR4A3	cg1379639	0.029559	6.607616	2.573246	0.020437	0.04661	-4.69	7.548739	7.542265	7.549885	7.554834	7.555894	7.564216	7.555229	7.549946	7.563555	7.562778	7.579533	7.581663	7.578662	7.568111	7.555308	7.560902
CLU	cg0492973	0.029576	6.648415	3.247413	0.005056	0.015148	-3.30542	7.576661	7.584983	7.594818	7.57539	7.589023	7.579305	7.565351	7.581156	7.576559	7.569831	7.58634	7.579273	7.586554	7.592296	7.593255	7.57962
PLK2	cg2761198	0.029583	6.594212	2.884561	0.010793	0.027907	-4.09039	7.541472	7.546484	7.541329	7.550965	7.550045	7.548165	7.545676	7.547853	7.558437	7.55039	7.571884	7.580076	7.555637	7.564719	7.554488	7.553259
EXTL2	cg1174866	0.029584	6.580643	4.935202	0.00015	0.000874	0.177158	7.541744	7.541021	7.545115	7.541963	7.539233	7.542491	7.542977	7.539294	7.540537	7.545887	7.558855	7.555687	7.550074	7.550236	7.55789	7.556123
ST7	cg2596887	0.029611	6.609382	4.07838	0.000878	0.00363	-1.59189	7.559336	7.559089	7.553428	7.555648	7.559058	7.564534	7.563003	7.5518	7.550018	7.558258	7.565285	7.565576	7.575336	7.565174	7.569985	7.570055
SMARCA2	cg0272633	0.029625	6.650578	3.112415	0.006713	0.018975	-3.57944	7.575892	7.580376	7.573886	7.58197	7.586825	7.592072	7.573674	7.581784	7.578402	7.569864	7.587776	7.592981	7.598228	7.589666	7.575184	7.590045
CLU	cg1042110	0.029663	6.584695	2.546142	0.021588	0.048801	-4.76646	7.533982	7.544976	7.546026	7.543963	7.558226	7.530282	7.542497	7.536565	7.546876	7.553671	7.564365	7.570292	7.552795	7.556142	7.544939	7.557148
SGMS1	cg0462691	0.029665	7.940916	3.291563	0.004608	0.01403	-3.06441	8.385898	8.389139	8.377544	8.386358	8.370223	8.375356	8.404532	8.379304	8.393458	8.3981	8.404818	8.421595	8.410245	8.417654	8.409196	8.421212
ZFHX3	cg0975424	0.029665	7.973305	2.822886	0.012262	0.030905	-4.0307	8.400694	8.437231	8.412175	8.432356	8.412982	8.425069	8.409489	8.401303	8.40372	8.417696	8.427523	8.437374	8.436131	8.432731	8.418787	8.418029
RCHY1	cg1209313	0.029674	6.614124	3.309207	0.00444	0.013605	-3.20121	7.552698	7.552736	7.549312	7.56803	7.556335	7.555745	7.561027	7.559059	7.562821	7.562233	7.576618	7.586006	7.575293	7.563975	7.574917	7.56838
UIMC1	cg1142309	0.029683	6.636466	2.743894	0.014428	0.035259	-4.32829	7.560427	7.56312	7.555492	7.56982	7.57683	7.569803	7.586167	7.564278	7.572402	7.572105	7.583919	7.599713	7.592754	7.583829	7.579343	7.581109
HOPX	cg1393997	0.029699	7.932843	2.959356	0.00924	0.024572	-3.73766	8.390487	8.392251	8.3761	8.379172	8.397731	8.366603	8.388504	8.378148	8.370864	8.393127	8.409236	8.390011	8.400307	8.401228	8.408997	8.40751
GPRC5A	cg0534683	0.029701	7.850795	3.125623	0.006529	0.018585	-3.35888	8.329945	8.318841	8.308452	8.31377	8.322552	8.30897	8.339895	8.317027	8.324086	8.331247	8.345922	8.33441	8.357181	8.354092	8.348559	8.347351
HIVEP3	cg0553345	0.029711	7.472593	2.751855	0.014194	0.034761	-3.98945	8.067202	8.063096	8.058615	8.078631	8.082003	8.063673	8.066552	8.071351	8.051447	8.055627	8.072247	8.070745	8.091342	8.073557	8.082033	8.08473
PLCE1	cg0653962	0.029884	7.756062	2.942189	0.009576	0.025348	-3.68507	8.24749	8.257725	8.255125	8.256842	8.257871	8.265453	8.247162	8.262672	8.271285	8.246381	8.279121	8.278636	8.2877	8.25986	8.275535	8.277333
TANK	cg1858490	0.029988	6.734803	3.41079	0.003584	0.011397	-2.88826	7.628966	7.629047	7.621927	7.619411	7.617086	7.637219	7.620449	7.618375	7.624161	7.620242	7.629511	7.63362	7.640352	7.641265	7.637702	7.625013
LEFTY1	cg1648757	0.030018	6.800536	2.963282	0.009165	0.024435	-3.7525	7.642826	7.650779	7.6589	7.652111	7.671626	7.648231	7.666406	7.662735	7.651088	7.662677	7.671322	7.679146	7.677017	7.674353	7.669602	7.678141
LATS2	cg0305125	0.030053	6.593461	3.64057	0.002207	0.007698	-2.53348	7.557782	7.546404	7.548996	7.55977	7.544691	7.555417	7.547935	7.547264	7.538448	7.551836	7.566826	7.557169	7.554838	7.561844	7.552173	7.562909
MLH1	cg0227907	0.030079	6.601598	2.915469	0.010123	0.026483	-4.02738	7.56171	7.566981	7.564324	7.551717	7.553818	7.546217	7.535629	7.546127	7.563293	7.554498	7.5655	7.557605	7.563027	7.561676	7.566591	7.562711
PTPRJ	cg0832091	0.030175	7.96015	3.181808	0.005804	0.01687	-3.29526	8.414539	8.414281	8.402198	8.419325	8.403449	8.420971	8.40812	8.397501	8.384462	8.397994	8.404494	8.422067	8.421799	8.418802	8.430957	8.408068
AHNAK	cg0660657	0.030193	7.988296	2.970114	0.009036	0.024162	-3.7453	8.431445	8.423664	8.419636	8.431062	8.42534	8.415263	8.411266	8.426399	8.422782	8.43075	8.453731	8.451355	8.432643	8.439265	8.46073	8.424204
NCOA4	cg0459955	0.030205	6.599878	3.928424	0.001203	0.004684	-1.91731	7.55788	7.556308	7.548419	7.549563	7.550226	7.554162	7.54198	7.557247	7.550926	7.554744	7.56287	7.559782	7.569144	7.565634	7.570865	7.557432
SSBP2	cg2030964	0.030217	6.671377	2.941095	0.009598	0.025394	-3.9107	7.594796	7.597891	7.584411	7.586479	7.599659	7.602727	7.582776	7.590207	7.592937	7.576783	7.591494	7.600321	7.610027	7.606559	7.588743	7.597777
ARL6IP5	cg1131936	0.030227	7.061791	2.538896	0.021907	0.049394	-4.40988	7.802237	7.8174	7.822989	7.825224	7.820887	7.822755	7.795128	7.798662	7.79875	7.807886	7.817813	7.823805	7.826138	7.808111	7.824724	7.795046
AHNAK	cg1478982	0.030234	7.592756	2.791542	0.013081	0.032583	-3.93706	8.131542	8.158333	8.154522	8.146589	8.137122	8.14389	8.147239	8.141349	8.133007	8.152496	8.165466	8.155939	8.156235	8.173144	8.150532	8.173121
PTPRJ	cg1095121	0.030249	7.914435	3.317969	0.004359	0.013413	-2.99262	8.371305	8.373186	8.377419	8.369284	8.360809	8.371045	8.38112	8.363985	8.359965	8.370884	8.387963	8.387962	8.375726	8.3887	8.39025	8.406588
AZGP1	cg2091587	0.030356	7.769674	2.611108	0.018926	0.043887	-4.34772	8.256131	8.255311	8.271199	8.269165	8.236756	8.250359	8.272663	8.264658	8.275466	8.275768	8.29798	8.273436	8.297166	8.300974	8.27825	8.304716
TSC1	cg1214615	0.030357	7.109671	2.953991	0.009344	0.024824	-3.57511	7.847259	7.832397	7.835081	7.830073	7.843864	7.843487	7.830064	7.82527	7.833564	7.845565	7.857491	7.849552	7.855822	7.846735	7.847955	7.841413
EBF3	cg1391688	0.03037	7.815304	2.593558	0.019612	0.045115	-4.40157	8.309234	8.302432	8.305735	8.29072	8.284369	8.275335	8.309039	8.28382	8.303464	8.30695	8.311165	8.318322	8.309009	8.336216	8.322086	8.328931
NTRK3	cg1712552	0.030397	6.743947	3.014301	0.008241	0.022402	-3.69062	7.621784	7.617751	7.612895	7.615865	7.622069	7.623108	7.637122	7.629763	7.629442	7.633924	7.659543	7.648468	7.633966	7.645269	7.659838	7.633188
DOK1	cg0894057	0.030422	7.909216	2.756883	0.014048	0.034484	-4.12855	8.378584	8.356441	8.369557	8.354625	8.386274	8.374446	8.365306	8.361929	8.377593	8.348005	8.392846	8.376514	8.387475	8.372622	8.37995	8.393546
HIC1	cg2066463	0.030491	7.907621	3.68602	0.002005	0.007115	-2.21962	8.370978	8.358867	8.367529	8.358132	8.369442	8.364854	8.373626	8.368222	8.354603	8.360843	8.38273	8.384546	8.37266	8.389535	8.392385	8.388179
CAPG	cg1066427	0.03052	7.746909	2.580503	0.020138	0.046076	-4.39709	8.249455	8.254537	8.236187	8.238413	8.252588	8.226485	8.245478	8.241932	8.253255	8.278022	8.279438	8.28093	8.2786	8.276355	8.273301	8.258737
SASH1	cg0102579	0.030526	7.991156	2.81392	0.012491	0.03142	-4.06229	8.42196	8.41752	8.41908	8.408559	8.411912	8.443867	8.414691	8.438493	8.430765	8.42953	8.453978	8.463339	8.43789	8.460397	8.439347	8.442098
SGMS1	cg2319471	0.030555	6.654026	3.197944	0.00561	0.016446	-3.40004	7.579248	7.590344	7.585419	7.590642	7.578374	7.574291	7.574438	7.570012	7.589954	7.576763	7.591938	7.595998	7.59155	7.581879	7.588933	7.597785
EZH1	cg1281248	0.030561	6.665661	3.921926	0.001219	0.004732	-1.87594	7.594003	7.595502	7.595205	7.587372	7.590034	7.601011	7.583353	7.579548	7.581423	7.579825	7.601782	7.596798	7.581305	7.595654	7.594966	7.597434
CHD5	cg0578151	0.030621	7.933184	3.60037	0.002402	0.008248	-2.41341	8.385982	8.373113	8.389304	8.370626	8.377717	8.394769	8.382553	8.38024	8.38733	8.38478	8.400085	8.411458	8.40489	8.409245	8.395374	8.406783
SPI1	cg2757809	0.030656	7.405635	2.572491	0.020468	0.046663	-4.33049	8.007003	8.02223	8.025144	8.009142	8.015145	8.026936	8.012527	8.026632	8.023091	8.02437	8.045763	8.057637	8.019726	8.04923	8.035806	8.03079
CITED2	cg2446224	0.030714	6.614422	3.643226	0.002194	0.007662	-2.50835	7.561322	7.564046	7.555903	7.564579	7.569545	7.566769	7.570122	7.550903	7.553741	7.55119	7.576691	7.567704	7.567089	7.573989	7.566642	7.567062
TES	cg1201852	0.030771	6.609425	2.577554	0.020259	0.046269	-4.68757	7.575854	7.564064	7.549937	7.554441	7.567511	7.561422	7.55315	7.550128	7.553066	7.556625	7.580838	7.559013	7.560525	7.576438	7.549202	7.573973
TOM1L2	cg0046359	0.030793	6.625861	4.618848	0.000286	0.001467	-0.4392	7.568672	7.564759	7.568133	7.565118	7.565656	7.567068	7.559614	7.568241	7.570075	7.558734	7.581608	7.578334	7.571829	7.575909	7.581073	7.577383
EXTL2	cg0696627	0.030873	6.594451	2.615669	0.018751	0.043579	-4.62616	7.541945	7.548153	7.548172	7.569458	7.539658	7.562683	7.548024	7.544385	7.552893	7.543684	7.565233	7.574208	7.561414	7.549658	7.555576	7.557594
CHD5	cg2731270	0.030959	7.79376	3.522732	0.00283	0.009443	-2.5062	8.287056	8.271426	8.283847	8.272995	8.283572	8.28552	8.288891	8.281999	8.279952	8.28704	8.294516	8.310994	8.307026	8.31295	8.30951	8.294593
MCC	cg0732820	0.03098	6.600842	3.09067	0.007025	0.019704	-3.66721	7.547176	7.545594	7.555838	7.53953	7.556131	7.563598	7.54633	7.555739	7.556242	7.552329	7.560914	7.578989	7.567134	7.558353	7.568396	7.563092
DMBT1	cg0010802	0.030993	6.646349	2.82918	0.012104	0.030566	-4.15837	7.58244	7.579401	7.57771	7.568931	7.586933	7.592242	7.564888	7.57496	7.57086	7.578542	7.59816	7.580495	7.588796	7.597275	7.572105	7.579549
TAGLN	cg1553475	0.030998	7.60938	2.824851	0.012212	0.030814	-3.87553	8.145232	8.167002	8.159362	8.158513	8.147414	8.16715	8.161294	8.139434	8.149941	8.165293	8.171704	8.180359	8.173634	8.166905	8.186196	8.162007
RBP1	cg0106973	0.031002	6.577479	3.827299	0.001488	0.005553	-2.15451	7.542178	7.537852	7.538289	7.539163	7.545513	7.554388	7.539769	7.539003	7.538344	7.537245	7.554955	7.554566	7.555166	7.543546	7.558723	7.544563
LITAF	cg0126716	0.031018	7.77744	2.939822	0.009623	0.025432	-3.69966	8.262779	8.282478	8.270457	8.26758	8.264284	8.258974	8.255471	8.29008	8.272727	8.27706	8.281187	8.293644	8.297478	8.296991	8.291574	8.304578
YAP1	cg1763077	0.031018	7.043387	2.589283	0.019783	0.045435	-4.32193	7.821103	7.794787	7.802661	7.806415	7.789195	7.788709	7.797779	7.783483	7.788045	7.803888	7.813733	7.800895	7.802402	7.808455	7.817015	7.814534
DAPK3	cg1874806	0.031021	7.919818	2.605606	0.019138	0.04422	-4.43196	8.378665	8.360092	8.369685	8.372231	8.377563	8.370157	8.380887	8.362565	8.391035	8.363032	8.397124	8.403614	8.397307	8.403167	8.407404	8.364428
FOXP1	cg2148736	0.03103	7.938528	3.16791	0.005975	0.017278	-3.31814	8.374293	8.393169	8.380025	8.376624	8.367747	8.385562	8.40095	8.386333	8.389758	8.387689	8.408116	8.404927	8.411713	8.430089	8.421906	8.397886
CYB5A	cg1088281	0.031087	6.685646	2.543516	0.021703	0.049012	-4.67947	7.593628	7.615022	7.591407	7.580638	7.609725	7.600677	7.599488	7.589662	7.600127	7.590334	7.602384	7.602775	7.617978	7.604256	7.622079	7.604331
THRA	cg1161264	0.031105	6.713035	4.275765	0.000581	0.0026	-1.08131	7.602321	7.608909	7.607449	7.615912	7.609337	7.609112	7.613243	7.616641	7.607506	7.610219	7.633313	7.621134	7.625821	7.628122	7.62774	7.620845
TBX5	cg0201160	0.031106	6.661877	2.935378	0.009713	0.025639	-3.92968	7.577783	7.596729	7.575874	7.596431	7.596436	7.583	7.579065	7.5831	7.58452	7.578878	7.602708	7.590407	7.605981	7.596693	7.584179	7.591821
MOB1B	cg2647325	0.031227	6.624274	2.887779	0.010721	0.027765	-4.06275	7.566697	7.569426	7.57037	7.557342	7.589517	7.571892	7.568264	7.554474	7.558016	7.559928	7.572181	7.576934	7.576381	7.561973	7.583775	7.572008
PPP2R5C	cg1258994	0.031235	7.958692	3.42699	0.003464	0.011127	-2.78926	8.397256	8.420802	8.397927	8.395792	8.401296	8.397307	8.395441	8.404262	8.416064	8.389417	8.423696	8.419496	8.417771	8.421556	8.428239	8.425757
ST7	cg0467391	0.031243	6.634149	2.54241	0.021752	0.049102	-4.72964	7.573881	7.565221	7.562274	7.581169	7.587956	7.566632	7.573791	7.568042	7.557793	7.568999	7.592397	7.589802	7.570569	7.56471	7.581501	7.586791
LITAF	cg0800183	0.031294	7.9148	3.516951	0.002865	0.00952	-2.57843	8.374085	8.375123	8.363359	8.375109	8.359171	8.367612	8.361487	8.383748	8.360714	8.373336	8.39036	8.394633	8.377771	8.395463	8.39364	8.394862
MADD	cg2335013	0.031307	7.971899	3.756013	0.00173	0.0063	-2.10544	8.416545	8.400939	8.421559	8.422721	8.410156	8.403321	8.412002	8.413063	8.409239	8.406478	8.424037	8.436834	8.428696	8.439795	8.425794	8.435607
CDKN1B	cg2002819	0.03135	6.619524	2.717581	0.015229	0.036877	-4.40722	7.577386	7.567046	7.579633	7.556676	7.584639	7.554526	7.554347	7.555188	7.558866	7.558552	7.573724	7.563228	7.564483	7.563643	7.583777	7.574077
PCDHGC3	cg1512496	0.031378	6.664788	3.299967	0.004527	0.013831	-3.17815	7.590513	7.586045	7.587098	7.57528	7.585602	7.598947	7.581786	7.578092	7.593465	7.582738	7.595437	7.60325	7.601816	7.591337	7.592361	7.604328
DKK3	cg1116992	0.031394	7.763521	2.538447	0.021926	0.049419	-4.48097	8.255077	8.261942	8.266984	8.263885	8.258169	8.285806	8.279287	8.243052	8.257379	8.258235	8.288645	8.268559	8.289834	8.270151	8.268551	8.294674
VIM	cg0014695	0.031418	6.650543	2.759198	0.013981	0.034342	-4.2886	7.574444	7.571338	7.571509	7.587281	7.570138	7.588809	7.575479	7.579061	7.584652	7.573167	7.583362	7.609989	7.599237	7.590024	7.589689	7.580466
HBP1	cg0820881	0.031468	6.61279	4.782699	0.000204	0.001121	-0.11116	7.557136	7.555007	7.567346	7.562217	7.566271	7.560317	7.557735	7.560665	7.551178	7.555542	7.570963	7.56901	7.569141	7.571825	7.567979	7.571401
ZBTB4	cg2090219	0.031497	6.739246	3.842834	0.00144	0.005414	-1.97696	7.626753	7.623201	7.626522	7.627573	7.629999	7.632009	7.618707	7.63028	7.627493	7.615128	7.639256	7.635066	7.640976	7.629015	7.645991	7.634686
SP100	cg0402741	0.031521	7.679573	2.79975	0.012861	0.032148	-3.94764	8.194375	8.20372	8.206174	8.21684	8.182026	8.193009	8.213274	8.187369	8.218426	8.203057	8.233173	8.222602	8.226301	8.218913	8.224841	8.228728
TCF4	cg0849196	0.031523	6.797231	2.803382	0.012766	0.031992	-4.07543	7.64261	7.656732	7.665998	7.639591	7.659686	7.646481	7.642934	7.664587	7.665622	7.661585	7.673607	7.676867	7.672599	7.680247	7.667284	7.671604
CST5	cg2226270	0.031541	6.655358	2.635761	0.018	0.042166	-4.5241	7.582896	7.562864	7.568349	7.580817	7.580652	7.585829	7.595453	7.582674	7.589207	7.561994	7.59215	7.598699	7.601597	7.59659	7.590932	7.598527
NKX2-8	cg1416530	0.031551	6.770384	2.959847	0.009231	0.024564	-3.78913	7.650503	7.65694	7.628332	7.645007	7.660966	7.639266	7.64164	7.637013	7.639651	7.634824	7.653799	7.65562	7.653086	7.658884	7.65345	7.643744
STARD13	cg2210825	0.031601	6.588204	3.812536	0.001535	0.005704	-2.1721	7.549237	7.543594	7.534381	7.542456	7.555699	7.544069	7.553104	7.54086	7.544555	7.545307	7.563303	7.55971	7.561749	7.556226	7.562812	7.554246
NR0B2	cg0194264	0.031608	7.618732	2.5529	0.021295	0.048236	-4.40932	8.175602	8.169534	8.169118	8.148841	8.152248	8.1757	8.151974	8.150557	8.168672	8.165942	8.189448	8.189327	8.157202	8.191016	8.174062	8.17433
RUNX3	cg1001350	0.031622	7.803194	2.657106	0.017233	0.040694	-4.27015	8.28574	8.28544	8.284977	8.306435	8.284857	8.310155	8.278717	8.283563	8.296691	8.291247	8.317721	8.324486	8.319213	8.294974	8.300077	8.294688
DIRAS3	cg0594920	0.031637	7.922665	3.245038	0.005082	0.015206	-3.1504	8.376637	8.360454	8.365282	8.367531	8.377582	8.365383	8.362051	8.385612	8.386206	8.381934	8.407871	8.403624	8.404556	8.388735	8.388599	8.410054
TRIM13	cg2753301	0.031668	7.986161	2.958993	0.009247	0.024585	-3.77057	8.424754	8.409066	8.418335	8.391508	8.420538	8.401458	8.42501	8.438872	8.419762	8.42729	8.447601	8.442448	8.432536	8.453054	8.457835	8.464822
PRICKLE1	cg2351967	0.031681	7.784383	2.644109	0.017696	0.041548	-4.28806	8.280112	8.273595	8.280579	8.262425	8.28872	8.260235	8.294656	8.267093	8.27213	8.276012	8.299962	8.273209	8.302052	8.304814	8.299446	8.310826
VIM	cg0515181	0.031771	6.648876	2.652294	0.017403	0.041011	-4.50284	7.571226	7.576321	7.593151	7.570758	7.585831	7.580807	7.585828	7.571544	7.565976	7.577163	7.599057	7.590425	7.569767	7.596369	7.599463	7.580872
NRCAM	cg1534234	0.031775	7.846125	2.609659	0.018981	0.04399	-4.38312	8.313814	8.32365	8.311259	8.346801	8.317148	8.336329	8.314537	8.314982	8.314593	8.324605	8.350358	8.34777	8.348475	8.339116	8.314666	8.33055
STAT3	cg2212850	0.031789	7.907233	3.230275	0.005242	0.015596	-3.16957	8.381149	8.373954	8.365399	8.359343	8.353355	8.369734	8.369546	8.35478	8.360617	8.363086	8.384584	8.384445	8.362959	8.39032	8.388867	8.390522
MCC	cg2648347	0.031805	7.808376	3.378855	0.003834	0.012047	-2.81256	8.296484	8.293161	8.300518	8.293203	8.28341	8.293588	8.300531	8.286265	8.300638	8.284851	8.312937	8.295919	8.323597	8.314821	8.316703	8.321156
ALOX15	cg1136986	0.031824	7.886593	3.341832	0.004145	0.012859	-2.9286	8.358543	8.352337	8.351653	8.338359	8.35016	8.347027	8.34766	8.346779	8.340734	8.359481	8.372365	8.373513	8.354386	8.38165	8.379958	8.359326
SASH1	cg0866344	0.031826	7.916389	2.786214	0.013225	0.032864	-4.0736	8.394381	8.381111	8.386218	8.364805	8.362448	8.372278	8.357362	8.357906	8.37651	8.375339	8.378714	8.384853	8.389093	8.397601	8.406378	8.373943
DUSP6	cg1384452	0.031826	6.619847	4.305421	0.000546	0.00247	-1.10636	7.568241	7.565762	7.573544	7.563312	7.563877	7.57123	7.555063	7.55371	7.566097	7.558044	7.569713	7.570188	7.579968	7.57424	7.571991	7.567239
PLXNC1	cg0579007	0.031886	7.761873	2.559732	0.021003	0.047713	-4.43862	8.265461	8.246186	8.26867	8.282967	8.276012	8.269514	8.2727	8.250455	8.24368	8.256124	8.300444	8.271211	8.269731	8.28158	8.27274	8.264135
CDKN1A	cg0195553	0.03191	7.28048	2.578877	0.020205	0.046191	-4.30792	7.935365	7.95022	7.934949	7.955748	7.9323	7.928148	7.936748	7.92711	7.950774	7.94679	7.960993	7.969954	7.966239	7.959755	7.951727	7.942726
ST7	cg1693705	0.031919	6.599285	4.37566	0.000472	0.002205	-0.97261	7.548108	7.548332	7.550483	7.550986	7.553539	7.5533	7.542441	7.554865	7.55457	7.553698	7.572425	7.566388	7.568183	7.559987	7.56521	7.559877
YAP1	cg2098843	0.031965	6.599293	3.55069	0.002668	0.008998	-2.71241	7.543863	7.543736	7.549507	7.551319	7.556514	7.553372	7.547962	7.54928	7.557047	7.553852	7.570866	7.567502	7.578757	7.559109	7.557759	7.562177
PTPRK	cg1505959	0.032037	6.608944	2.722061	0.015089	0.036594	-4.39906	7.548204	7.549186	7.559709	7.546821	7.568432	7.546975	7.551119	7.548376	7.561219	7.570769	7.576991	7.577006	7.580705	7.57158	7.557677	7.567786
MARVELD1	cg1596188	0.032041	7.986693	3.632018	0.002247	0.007808	-2.37221	8.419119	8.438786	8.427484	8.434332	8.426622	8.42644	8.436015	8.411385	8.412321	8.410173	8.438327	8.440942	8.428392	8.443201	8.444364	8.442644
STARD13	cg0445628	0.032045	7.94766	3.96443	0.001115	0.004406	-1.65249	8.406184	8.39722	8.404963	8.395739	8.385603	8.395166	8.393732	8.385773	8.390442	8.392497	8.406724	8.416508	8.401057	8.417774	8.416146	8.417443
WDR48	cg0017814	0.032047	6.599809	2.60095	0.01932	0.044589	-4.64931	7.544549	7.54995	7.560048	7.570018	7.548499	7.551632	7.543707	7.54797	7.557062	7.550455	7.563492	7.565072	7.578807	7.56966	7.564698	7.541301
PRKAR1A	cg0808538	0.032052	6.631569	3.736574	0.001802	0.006503	-2.29403	7.560685	7.576185	7.570126	7.569804	7.578592	7.567936	7.566697	7.571573	7.567146	7.559077	7.576166	7.580033	7.583479	7.570713	7.587611	7.583976
ROBO1	cg2478479	0.032093	6.635108	2.786656	0.013213	0.032848	-4.24991	7.579886	7.568084	7.577815	7.563647	7.579931	7.555857	7.559118	7.569006	7.576207	7.571086	7.590896	7.574689	7.580332	7.585888	7.59618	7.5709
PCDH10	cg0666776	0.032157	7.879517	2.68164	0.016391	0.039172	-4.26228	8.336393	8.338321	8.358506	8.364771	8.321679	8.339998	8.344254	8.335088	8.35549	8.342113	8.375955	8.375424	8.352362	8.370205	8.370064	8.351861
PEG3	cg1774072	0.032162	6.595417	3.408029	0.003605	0.01145	-3.0157	7.544351	7.543079	7.548127	7.551583	7.552639	7.551171	7.547288	7.545955	7.555481	7.549403	7.560161	7.578034	7.568612	7.567276	7.551513	7.556026
CTNND1	cg0757739	0.032179	7.926382	3.594075	0.002434	0.00834	-2.42315	8.365381	8.3688	8.382236	8.395868	8.377304	8.368117	8.378366	8.379771	8.377797	8.37818	8.401442	8.40122	8.410624	8.396075	8.399351	8.394584
WNT11	cg1429421	0.032219	7.926675	3.233047	0.005211	0.015518	-3.17464	8.362214	8.37524	8.386665	8.376225	8.385913	8.390223	8.377164	8.375974	8.390408	8.364393	8.399008	8.40694	8.406313	8.399779	8.385441	8.396613
LIMA1	cg2276304	0.032226	6.617549	5.617836	3.87E-05	0.000287	1.596884	7.561451	7.563271	7.561199	7.563052	7.562391	7.557757	7.55817	7.560048	7.56094	7.560336	7.577948	7.570918	7.573827	7.573745	7.577085	7.571077
VWA5A	cg2055448	0.03224	6.633225	2.76028	0.01395	0.034295	-4.30151	7.563305	7.560826	7.559054	7.590027	7.567947	7.560259	7.572114	7.567564	7.563458	7.575445	7.595574	7.590819	7.58274	7.580999	7.581278	7.572592
EPAS1	cg1303263	0.032266	7.470996	2.891417	0.010641	0.027588	-3.71309	8.061212	8.068795	8.049765	8.054772	8.040105	8.071736	8.074004	8.060274	8.057508	8.069179	8.073818	8.079618	8.087425	8.097176	8.08447	8.08649
FOXP1	cg1937775	0.032319	6.63276	3.06913	0.007349	0.020432	-3.68441	7.575891	7.568178	7.567504	7.567844	7.565402	7.586545	7.559303	7.566985	7.569851	7.56878	7.586615	7.588146	7.577995	7.579158	7.563768	7.587876
NKX3-1	cg0480322	0.032344	7.924678	2.778119	0.013448	0.033299	-4.09341	8.395544	8.397276	8.376147	8.370432	8.380013	8.388679	8.386646	8.3738	8.354428	8.370996	8.389258	8.387581	8.371882	8.403345	8.406668	8.40256
TSSC4	cg0231275	0.032346	6.676715	2.857233	0.011422	0.029209	-4.07009	7.591984	7.593647	7.590766	7.593318	7.593869	7.582158	7.584471	7.592609	7.592671	7.59622	7.615199	7.616692	7.589136	7.589182	7.613402	7.613642
MADD	cg1417869	0.032383	6.628151	3.153276	0.006162	0.017723	-3.51356	7.572342	7.56862	7.55971	7.549442	7.578379	7.569305	7.556814	7.574083	7.561853	7.570277	7.580671	7.576099	7.582595	7.575449	7.58303	7.582875
PKD1	cg1618730	0.032432	7.889276	3.780109	0.001644	0.006039	-2.01131	8.344787	8.34407	8.353635	8.360744	8.365655	8.353082	8.350517	8.35599	8.348067	8.341792	8.377709	8.37681	8.369454	8.362256	8.368785	8.371503
PLXNC1	cg0597612	0.032445	7.567187	3.02566	0.008048	0.021955	-3.46033	8.138666	8.137709	8.115206	8.137447	8.116837	8.129778	8.128478	8.122481	8.117323	8.130335	8.137367	8.132495	8.158252	8.144933	8.147435	8.148853
CABLES1	cg1528167	0.032458	7.951193	2.685784	0.016253	0.038923	-4.29277	8.417567	8.386272	8.378646	8.404739	8.371686	8.404299	8.401623	8.39842	8.386786	8.400072	8.424251	8.420009	8.406141	8.418119	8.410926	8.435061
NEDD4L	cg1241385	0.032511	7.939279	3.418109	0.003529	0.011283	-2.79634	8.397957	8.401565	8.399687	8.389291	8.376605	8.38027	8.380969	8.37201	8.397871	8.387653	8.404488	8.403713	8.402618	8.412409	8.415133	8.403005
GSK3B	cg1325000	0.032514	6.604257	3.920937	0.001222	0.004739	-1.92746	7.554618	7.546998	7.54896	7.556642	7.556262	7.553758	7.551697	7.550719	7.559649	7.55409	7.578022	7.571933	7.569012	7.572233	7.559608	7.559287
DAB2	cg2718967	0.032531	6.628951	3.676794	0.002044	0.007226	-2.42169	7.56539	7.563762	7.566105	7.570366	7.572154	7.571314	7.571493	7.559753	7.566773	7.562866	7.583324	7.571131	7.593587	7.570313	7.582006	7.577722
FOXO3	cg0696711	0.032575	6.593502	5.425263	5.64E-05	0.000391	1.190618	7.544713	7.549658	7.546697	7.54924	7.543608	7.548114	7.544551	7.549383	7.549638	7.551307	7.563505	7.562657	7.566272	7.560977	7.559413	7.565045
LRRC3B	cg1596935	0.032575	7.821581	4.031796	0.000968	0.00393	-1.44826	8.300078	8.305855	8.298743	8.306686	8.31002	8.291034	8.303689	8.303738	8.300453	8.302198	8.32316	8.317113	8.331346	8.330049	8.325727	8.318189
RNH1	cg2392797	0.032612	8.006988	2.800522	0.012841	0.032118	-4.09384	8.442463	8.445148	8.447551	8.427049	8.463747	8.426548	8.445218	8.415668	8.449195	8.422457	8.459628	8.459549	8.445148	8.455864	8.450215	8.464495
EGR2	cg0533473	0.032621	6.79039	2.943207	0.009556	0.025306	-3.80382	7.64393	7.649971	7.640018	7.662593	7.656145	7.664125	7.662237	7.656015	7.637113	7.651754	7.671122	7.67067	7.671862	7.665935	7.667291	7.656963
YAP1	cg0680960	0.032625	6.605676	2.924976	0.009925	0.026067	-4.00036	7.560113	7.547898	7.545937	7.556754	7.564127	7.55286	7.548598	7.550404	7.554744	7.562796	7.58502	7.573658	7.565997	7.570792	7.564013	7.551622
MXI1	cg2519530	0.032663	6.671737	5.153952	9.65E-05	0.000616	0.708796	7.590584	7.5907	7.585434	7.587433	7.587004	7.589987	7.588784	7.584966	7.588564	7.592336	7.603168	7.605318	7.604173	7.602979	7.598673	7.606515
TCF7L2	cg1456208	0.032688	6.606025	4.12732	0.000792	0.003351	-1.49178	7.56344	7.547152	7.562308	7.553047	7.552687	7.559215	7.547666	7.556427	7.553345	7.556067	7.572176	7.55815	7.571566	7.566292	7.570702	7.56769
EYA4	cg1151884	0.032694	7.464155	2.558979	0.021035	0.047758	-4.36417	8.043726	8.056215	8.057372	8.044257	8.058257	8.05385	8.082668	8.048529	8.060564	8.052895	8.070106	8.096411	8.060484	8.08832	8.080132	8.090533
TMEM127	cg1171475	0.032768	6.5854	3.550427	0.002669	0.009001	-2.73293	7.537732	7.556398	7.559319	7.556081	7.545871	7.542567	7.536308	7.538553	7.544991	7.541971	7.56181	7.547276	7.556837	7.55512	7.560765	7.546565

PPP2R5C	cg1369622	0.032783	6.598368	3.670916	0.00207	0.007292	-2.46302	7.555689	7.55276	7.55136	7.542321	7.553434	7.557536	7.544016	7.548359	7.545074	7.560734	7.574049	7.561961	7.559413	7.570606	7.556482	7.561053
NFATC1	cg0749277	0.032788	6.663112	3.521361	0.002838	0.009454	-2.719	7.589743	7.593433	7.585552	7.572836	7.59373	7.593032	7.587097	7.579406	7.575746	7.584504	7.588041	7.600497	7.593429	7.594573	7.59614	7.606175
DNAJB4	cg1866623	0.032841	6.595897	4.235515	0.000632	0.002783	-1.27634	7.554192	7.554696	7.550413	7.553067	7.552389	7.564483	7.545244	7.543115	7.541761	7.553471	7.560122	7.560741	7.568689	7.556785	7.554358	7.560823
LRIG1	cg1479086	0.032911	7.856553	3.967775	0.001107	0.004382	-1.59924	8.334159	8.332078	8.325979	8.323546	8.330863	8.334399	8.331063	8.3239	8.321293	8.325372	8.346288	8.340826	8.350551	8.356452	8.356771	8.334493
NAPEPLD	cg2318314	0.032928	7.967756	3.273673	0.004785	0.014487	-3.11236	8.413776	8.426023	8.405637	8.408105	8.41314	8.38795	8.412591	8.399346	8.399749	8.415172	8.431147	8.419024	8.4221	8.436682	8.427973	8.439886
BNIP3L	cg1355369	0.032962	7.939947	2.557892	0.021082	0.047853	-4.53503	8.372195	8.388163	8.415413	8.382233	8.375447	8.373106	8.38536	8.397879	8.376643	8.396427	8.391315	8.411395	8.405846	8.408882	8.419268	8.433835
ARHGAP29	cg2651319	0.033017	6.623635	3.940961	0.001171	0.004582	-1.87039	7.571424	7.565108	7.566838	7.567713	7.569459	7.561277	7.552783	7.56115	7.565516	7.566166	7.578896	7.577967	7.577647	7.562735	7.582796	7.576325
SYNM	cg1139178	0.033021	7.880513	3.85255	0.001411	0.005324	-1.8541	8.354744	8.344417	8.350595	8.351451	8.352083	8.33223	8.340542	8.336252	8.345884	8.346944	8.370844	8.369178	8.356103	8.357901	8.370287	8.364268
EMP2	cg1865199	0.033027	7.852066	3.883952	0.001321	0.005066	-1.77359	8.322223	8.325269	8.334451	8.338043	8.327998	8.314999	8.323998	8.318766	8.327888	8.317466	8.344375	8.352203	8.337321	8.338586	8.347423	8.34556
LIFR	cg0372350	0.03303	6.714646	4.134977	0.00078	0.003309	-1.3768	7.609618	7.609809	7.605814	7.607693	7.604955	7.618114	7.604656	7.618834	7.609046	7.616946	7.631604	7.627859	7.627755	7.633612	7.62428	7.6209
SPARC	cg0270441	0.033064	7.470311	3.369264	0.003912	0.012256	-2.73604	8.053573	8.063168	8.069396	8.056728	8.06619	8.058915	8.059652	8.067211	8.061495	8.059749	8.072489	8.077693	8.091092	8.095031	8.085725	8.070758
PTEN	cg2033709	0.033095	7.222826	3.046492	0.007705	0.021204	-3.37947	7.90499	7.914439	7.902823	7.894093	7.924119	7.914346	7.901665	7.89325	7.894437	7.913169	7.922276	7.919052	7.923185	7.917665	7.919716	7.913238
TGFBR2	cg1364552	0.033106	6.591427	4.019121	0.000994	0.00402	-1.73496	7.550976	7.549064	7.551587	7.547529	7.548854	7.547595	7.532886	7.554371	7.552875	7.541956	7.563432	7.560415	7.556252	7.55351	7.562659	7.563722
LITAF	cg2451760	0.033115	7.822284	2.738603	0.014586	0.035583	-4.12152	8.306754	8.302574	8.306792	8.284265	8.314774	8.291865	8.323597	8.289825	8.297217	8.303985	8.330658	8.325505	8.302754	8.324074	8.335886	8.335826
PLEKHO1	cg2319929	0.033128	7.974463	3.198481	0.005604	0.016432	-3.27243	8.402809	8.425853	8.42203	8.408163	8.403015	8.40063	8.407435	8.412268	8.433239	8.401854	8.423565	8.441212	8.434074	8.44341	8.434024	8.443527
FOXP1	cg0284573	0.033139	7.89496	3.09626	0.006944	0.019517	-3.4376	8.373365	8.367868	8.367956	8.361072	8.346497	8.346889	8.351721	8.351017	8.349257	8.352737	8.369772	8.373329	8.351268	8.377483	8.390192	8.380171
SPRY2	cg2241778	0.033161	6.701703	2.98707	0.008722	0.023451	-3.79043	7.604733	7.59193	7.610434	7.606866	7.620838	7.61925	7.60936	7.599848	7.599141	7.597824	7.61705	7.622958	7.62424	7.622513	7.604825	7.60911
CREM	cg0687669	0.033186	7.913364	2.847714	0.011649	0.029665	-3.94706	8.395122	8.382597	8.358295	8.376875	8.382546	8.396783	8.375706	8.361402	8.343735	8.357541	8.392753	8.377804	8.369017	8.378948	8.382302	8.392419
PLK2	cg1751577	0.033255	6.636144	3.593714	0.002436	0.008342	-2.59345	7.5876	7.573163	7.576339	7.576391	7.570993	7.572199	7.568578	7.569736	7.56438	7.562133	7.567393	7.585047	7.576296	7.595239	7.583428	7.579003
IGF2R	cg2410742	0.03328	7.815343	3.486318	0.003056	0.010023	-2.59176	8.30873	8.306835	8.292636	8.29106	8.295854	8.294446	8.302424	8.287802	8.29379	8.305687	8.310847	8.328433	8.311435	8.330606	8.3124	8.324097
DUSP6	cg0060535	0.033287	6.737958	3.275968	0.004762	0.01444	-3.16815	7.61935	7.630121	7.630155	7.635387	7.630337	7.632247	7.621918	7.614771	7.617865	7.625755	7.640977	7.642475	7.636135	7.615567	7.635745	7.642858
CLU	cg1272983	0.033325	7.906989	2.763422	0.013861	0.034134	-4.11955	8.349744	8.34525	8.35483	8.37329	8.326508	8.366548	8.370176	8.36964	8.384833	8.354437	8.402746	8.396245	8.387396	8.379799	8.396922	8.39216
CEBPD	cg2208102	0.033376	6.713918	3.126088	0.006523	0.018572	-3.49281	7.601336	7.604209	7.617919	7.605621	7.621007	7.613036	7.602348	7.621557	7.613392	7.606453	7.62656	7.62145	7.637196	7.630122	7.63087	7.612276
FLCN	cg0223983	0.033385	7.862513	3.249344	0.005036	0.015101	-3.10818	8.338996	8.350481	8.327892	8.325094	8.322465	8.320325	8.330859	8.322739	8.330843	8.342037	8.356102	8.349288	8.342642	8.358502	8.349932	8.368489
SELENBP1	cg0791601	0.033425	7.752249	3.22151	0.005339	0.015825	-3.11289	8.269088	8.261615	8.256196	8.257398	8.239225	8.264188	8.253319	8.240404	8.247485	8.260344	8.26502	8.278821	8.26778	8.263035	8.273501	8.285852
TANK	cg1991491	0.033429	6.657931	4.349929	0.000498	0.002291	-0.97627	7.579757	7.581952	7.588233	7.589414	7.577979	7.592523	7.57994	7.580907	7.583101	7.571983	7.594934	7.594185	7.594749	7.595782	7.599052	7.58578
ING5	cg1134204	0.033434	6.678743	4.223695	0.000648	0.00284	-1.2259	7.594881	7.588877	7.605699	7.602925	7.592904	7.605307	7.594536	7.588747	7.584666	7.585593	7.597932	7.607349	7.604736	7.603988	7.605603	7.601971
ST7	cg0306973	0.033445	7.522593	2.959489	0.009238	0.024571	-3.58536	8.087549	8.101135	8.083662	8.100406	8.10625	8.079059	8.098584	8.09512	8.090749	8.108547	8.108995	8.117546	8.135872	8.11806	8.111433	8.121708
MTUS1	cg1090433	0.033455	7.889722	2.701747	0.015731	0.03787	-4.23054	8.371618	8.333788	8.329706	8.317772	8.356227	8.353313	8.35376	8.353078	8.361279	8.352491	8.378873	8.373511	8.380606	8.367716	8.380909	8.385942
LATS2	cg0596590	0.03347	6.693901	3.322364	0.004318	0.01333	-3.10791	7.594239	7.599726	7.615042	7.603791	7.6071	7.607774	7.597149	7.59776	7.59303	7.601909	7.608225	7.620794	7.614276	7.610327	7.598429	7.624876
FBXO25	cg0202031	0.033509	7.924716	3.649734	0.002164	0.007585	-2.30646	8.374495	8.365505	8.368697	8.376903	8.375452	8.368211	8.392024	8.367463	8.387577	8.368442	8.406827	8.400799	8.402652	8.400399	8.388932	8.411522
FOXP1	cg0596845	0.033521	7.89448	2.899706	0.010459	0.027192	-3.83923	8.349026	8.355454	8.333434	8.359919	8.356574	8.342988	8.346105	8.35876	8.380943	8.34266	8.392824	8.375548	8.390353	8.374307	8.376647	8.369874
BMPR1A	cg2643567	0.033561	6.645099	2.977421	0.008899	0.023848	-3.86041	7.600004	7.579121	7.573411	7.579354	7.56995	7.572404	7.581211	7.566076	7.57146	7.568501	7.58083	7.573597	7.587366	7.597514	7.590351	7.591742
SMARCA2	cg0972192	0.033563	6.957345	3.228889	0.005257	0.015622	-3.10146	7.744762	7.744137	7.744682	7.749419	7.755993	7.730349	7.748964	7.736092	7.742716	7.755142	7.769138	7.760076	7.763314	7.751983	7.766063	7.766835
FOXP1	cg2158547	0.03357	7.837084	2.609472	0.018989	0.043998	-4.38264	8.314623	8.293706	8.323012	8.311647	8.294285	8.302902	8.323927	8.312774	8.30961	8.321646	8.340722	8.311285	8.353593	8.346857	8.359205	8.325773
RASSF8	cg2142018	0.03358	7.943427	2.902152	0.010406	0.027084	-3.85756	8.382467	8.388859	8.402269	8.396479	8.396828	8.392436	8.380465	8.370302	8.395616	8.403963	8.418086	8.424954	8.419928	8.413718	8.38999	8.397435
CAT	cg0602790	0.033607	7.510026	3.610115	0.002353	0.008104	-2.24016	8.088865	8.088378	8.091724	8.076529	8.097744	8.092985	8.080877	8.088968	8.08059	8.097542	8.113818	8.107831	8.109406	8.10151	8.110132	8.103317
NR0B2	cg0665026	0.033648	7.778757	3.013572	0.008253	0.022425	-3.55084	8.266458	8.260019	8.264881	8.272353	8.292646	8.256588	8.274679	8.276208	8.286043	8.257346	8.302553	8.30424	8.290209	8.288129	8.292522	8.297432
CHD5	cg0156598	0.033674	7.573598	2.854611	0.011484	0.02932	-3.80733	8.129543	8.135296	8.121547	8.134672	8.097037	8.14359	8.138292	8.13151	8.129523	8.130556	8.145395	8.156252	8.147342	8.157886	8.155944	8.158794
PEG3	cg1866875	0.033681	7.909186	2.842441	0.011776	0.029885	-3.96263	8.357521	8.348596	8.34849	8.342142	8.37818	8.369501	8.368602	8.388682	8.368326	8.351679	8.396232	8.399919	8.379795	8.399416	8.396497	8.382251
TCF4	cg0240315	0.033697	6.656794	3.389859	0.003746	0.011809	-2.99324	7.58487	7.565332	7.575057	7.572587	7.573627	7.586531	7.577573	7.597213	7.573731	7.584157	7.599587	7.598968	7.592592	7.599252	7.595092	7.605089
NR4A3	cg1341239	0.033701	6.666992	3.853397	0.001409	0.005321	-2.0211	7.592741	7.589052	7.601851	7.59601	7.587684	7.608785	7.583524	7.575919	7.581525	7.578591	7.59016	7.598532	7.601559	7.600196	7.592429	7.587997
ARHGEF12	cg2361883	0.033758	6.598274	2.616603	0.018715	0.043514	-4.62065	7.551135	7.557172	7.545892	7.547977	7.565846	7.551222	7.548172	7.551392	7.559074	7.535641	7.552366	7.575663	7.56565	7.574801	7.56981	7.542539
PRDM11	cg1404457	0.033781	7.860106	3.225735	0.005292	0.015701	-3.15615	8.34148	8.310875	8.341559	8.328137	8.309921	8.333287	8.330968	8.319678	8.341494	8.330659	8.358394	8.355234	8.346239	8.353825	8.351126	8.35623
MOB1B	cg2616473	0.033781	6.657486	3.986532	0.001064	0.004237	-1.74429	7.584961	7.58639	7.586672	7.590731	7.5768	7.589812	7.579297	7.574793	7.586685	7.571067	7.591325	7.586754	7.603254	7.591165	7.58945	7.597418
ZYX	cg0653002	0.033792	6.613435	2.946933	0.009482	0.02514	-3.95411	7.575055	7.562308	7.570487	7.550873	7.565491	7.56539	7.559249	7.542377	7.547639	7.566756	7.563368	7.566429	7.570516	7.578971	7.556697	7.577751
COPS2	cg1929857	0.033821	6.691662	3.655522	0.002138	0.007507	-2.41065	7.60067	7.601882	7.59816	7.597488	7.60524	7.602139	7.594367	7.598511	7.612034	7.585757	7.618225	7.611492	7.614382	7.605808	7.620867	7.608402
CD82	cg0886112	0.033859	6.602063	4.072067	0.000889	0.003668	-1.61384	7.551915	7.558007	7.561758	7.554124	7.552369	7.556903	7.548126	7.546907	7.553407	7.551733	7.566755	7.561644	7.567632	7.559514	7.555718	7.578735
TCF7L2	cg0508122	0.033895	7.794567	2.863008	0.011286	0.028934	-3.85759	8.308454	8.282166	8.297235	8.288385	8.300765	8.27887	8.285135	8.284834	8.273935	8.26419	8.297153	8.275746	8.298695	8.304793	8.316199	8.304468
ZDHHC2	cg0531586	0.033898	6.67639	3.098197	0.006915	0.019453	-3.57956	7.592509	7.578129	7.585339	7.598498	7.570899	7.596786	7.589129	7.590582	7.593619	7.599106	7.603806	7.615864	7.617958	7.610038	7.603655	7.600511
PRICKLE1	cg0956135	0.033953	6.604562	3.276082	0.00476	0.01444	-3.28704	7.569798	7.553583	7.551306	7.547712	7.566465	7.566708	7.545554	7.554054	7.548101	7.552456	7.566226	7.570239	7.562411	7.560344	7.554536	7.576468
NR0B2	cg1617769	0.033972	7.344548	2.801713	0.01281	0.03206	-3.87737	7.967081	7.991414	7.967223	7.980962	7.966369	7.973784	7.974651	7.986881	8.000999	7.971257	8.000307	8.000822	8.012363	8.014854	8.000139	7.991778
ARHGAP29	cg1163096	0.033974	6.627795	4.372372	0.000475	0.002215	-0.95518	7.570825	7.572955	7.557706	7.566495	7.573913	7.56577	7.563469	7.567949	7.567835	7.556587	7.58026	7.572828	7.583236	7.580122	7.58076	7.577669
DCUN1D3	cg0612659	0.033996	7.533877	2.81378	0.012495	0.031423	-3.87792	8.132006	8.101663	8.105185	8.091326	8.12199	8.107945	8.098484	8.095049	8.112227	8.093774	8.123879	8.108445	8.12702	8.121125	8.116949	8.128197
TDGF1	cg1059264	0.034022	7.738321	4.085892	0.000864	0.003583	-1.29986	8.24604	8.238399	8.23848	8.245319	8.241431	8.241101	8.246479	8.245409	8.243702	8.241343	8.277865	8.252203	8.266453	8.269413	8.263821	8.269551
EYA4	cg0722429	0.034032	7.811144	2.631253	0.018166	0.042468	-4.33038	8.279608	8.267123	8.268509	8.280941	8.304095	8.273948	8.299903	8.302268	8.325787	8.2878	8.335102	8.329435	8.342403	8.318129	8.325716	8.309575
EXTL2	cg0233083	0.034063	7.857644	3.159888	0.006077	0.017533	-3.29046	8.312091	8.315455	8.334587	8.338647	8.333585	8.320022	8.336856	8.336067	8.320913	8.32149	8.356822	8.346797	8.352252	8.338424	8.370721	8.346112
DUSP6	cg0181419	0.03413	6.647767	2.84278	0.011768	0.029883	-4.12651	7.558896	7.596148	7.573041	7.57833	7.574207	7.583044	7.567855	7.571448	7.580995	7.579395	7.601294	7.597151	7.587434	7.586475	7.580179	7.58952
LIFR	cg1068734	0.034159	7.934942	3.534669	0.00276	0.009245	-2.54733	8.40004	8.389678	8.40651	8.40179	8.384071	8.397061	8.383812	8.375394	8.375868	8.366856	8.390842	8.391253	8.400191	8.386988	8.411321	8.412983
SPI1	cg1408881	0.034185	7.957887	2.560362	0.020977	0.047662	-4.53612	8.414143	8.384028	8.423905	8.389849	8.413307	8.423848	8.396662	8.412029	8.401142	8.371061	8.41484	8.421796	8.404176	8.428978	8.413188	8.429876
LATS1	cg0674119	0.03425	6.687854	2.586637	0.019889	0.045652	-4.5965	7.589134	7.585489	7.613466	7.606577	7.611991	7.603273	7.585386	7.60805	7.589816	7.592349	7.619009	7.616185	7.606033	7.620402	7.604567	7.591588
HBP1	cg0135356	0.034302	6.661528	3.957843	0.001131	0.004453	-1.80278	7.582444	7.582048	7.591217	7.588222	7.592786	7.602066	7.576589	7.585811	7.580425	7.572566	7.593181	7.598526	7.600556	7.59415	7.59214	7.587819
KANK1	cg1344316	0.03431	7.855102	2.755162	0.014098	0.034577	-4.10743	8.349593	8.315714	8.324148	8.317702	8.304759	8.301341	8.314737	8.336729	8.337458	8.330926	8.353889	8.342533	8.341971	8.360208	8.354359	8.36592
PER2	cg0625981	0.034341	7.953573	3.027024	0.008025	0.021908	-3.61101	8.385312	8.39966	8.400047	8.406021	8.41962	8.383717	8.415212	8.396102	8.398099	8.372902	8.41814	8.412744	8.419584	8.421705	8.421111	8.422355
WWOX	cg0311944	0.034373	7.848392	3.187037	0.00574	0.016712	-3.22879	8.321354	8.332964	8.317328	8.308889	8.346404	8.309637	8.329041	8.313609	8.315928	8.321031	8.339276	8.346905	8.339138	8.338603	8.339416	8.355121
PPM1L	cg1412582	0.034392	7.889534	2.625702	0.018372	0.042855	-4.37433	8.366758	8.344384	8.369069	8.341743	8.35569	8.359877	8.341816	8.374977	8.331747	8.339573	8.357687	8.360995	8.359039	8.382618	8.390814	8.371261
STAT5A	cg1338020	0.034423	7.908103	3.005729	0.008389	0.022725	-3.63063	8.354487	8.37162	8.365411	8.352338	8.355501	8.388243	8.351195	8.361509	8.361884	8.379085	8.40199	8.381617	8.394099	8.380396	8.388553	8.37503
KLF5	cg2313762	0.03444	6.637504	3.90619	0.00126	0.004874	-1.93009	7.573509	7.565834	7.571424	7.567011	7.573695	7.585186	7.571703	7.564288	7.575059	7.564846	7.585059	7.593414	7.584507	7.584265	7.575851	7.583718
TANK	cg0885875	0.034451	7.798827	2.602449	0.019261	0.044477	-4.37203	8.29202	8.297595	8.310402	8.285605	8.288548	8.298877	8.288668	8.272397	8.272349	8.286055	8.275327	8.30946	8.30942	8.307274	8.286193	8.329269
CUX1	cg1234935	0.034518	7.896084	3.384698	0.003787	0.011922	-2.84324	8.370239	8.356727	8.361971	8.335198	8.365889	8.365781	8.350391	8.342268	8.353825	8.364208	8.378355	8.371537	8.381032	8.374895	8.36739	8.383936
ALDH1A2	cg1049087	0.034532	7.844088	4.425464	0.000426	0.002034	-0.63067	8.320331	8.313016	8.321627	8.313984	8.328617	8.322361	8.316947	8.319512	8.317788	8.312023	8.338199	8.344044	8.339035	8.332175	8.34749	8.338023
TCF7L2	cg2486125	0.034558	8.009525	2.663317	0.017016	0.040331	-4.36731	8.451255	8.453187	8.4226	8.448856	8.421426	8.428453	8.418975	8.454508	8.440236	8.437986	8.450549	8.454495	8.469942	8.481823	8.471283	8.44455
FOXP1	cg0704928	0.034573	7.88404	3.870539	0.001359	0.005172	-1.81842	8.350498	8.351012	8.346771	8.35275	8.340371	8.348026	8.352109	8.349913	8.334214	8.345331	8.36268	8.376004	8.352965	8.367676	8.373852	8.38029
THBS1	cg1215441	0.034582	6.663535	3.17932	0.005834	0.016937	-3.42798	7.582484	7.5831	7.573211	7.598611	7.576829	7.595364	7.595086	7.577911	7.573394	7.587083	7.608342	7.598286	7.600871	7.598545	7.59234	7.596268
EDNRB	cg0605756	0.034586	7.283813	2.590731	0.019725	0.04532	-4.28544	7.94777	7.940791	7.933906	7.922497	7.940426	7.932553	7.954674	7.952726	7.924822	7.946104	7.951938	7.952277	7.950738	7.976266	7.977143	7.978856
MAP3K4	cg0241786	0.034622	6.648329	3.585688	0.002478	0.008462	-2.5871	7.562841	7.570297	7.561478	7.573359	7.563943	7.570194	7.57991	7.575135	7.580124	7.590437	7.606131	7.590631	7.608945	7.596989	7.585118	7.595186
PLAGL1	cg0159587	0.034655	7.974298	3.245226	0.00508	0.015204	-3.17584	8.428069	8.422559	8.395825	8.414064	8.402958	8.395752	8.415389	8.395548	8.416333	8.425386	8.442909	8.435062	8.432395	8.434478	8.433357	8.445138
PTPRK	cg0479147	0.034658	6.75809	3.620657	0.002301	0.007949	-2.43213	7.643782	7.639272	7.633585	7.65468	7.631005	7.641609	7.641541	7.626718	7.621256	7.631887	7.641833	7.646603	7.650146	7.649137	7.64227	7.650454
HACE1	cg1968345	0.03471	7.40573	3.382896	0.003801	0.011959	-2.69928	8.010951	8.025753	8.035966	8.024185	8.012447	8.024209	8.014408	8.021163	8.023345	8.010632	8.027438	8.032981	8.047096	8.039289	8.046021	8.036068
PPP2R5C	cg2061112	0.034713	7.856172	2.570446	0.020553	0.046838	-4.46492	8.318872	8.359807	8.337786	8.311511	8.31705	8.324484	8.322247	8.334058	8.31308	8.332107	8.335351	8.343682	8.331505	8.358159	8.362663	8.361653
GATA5	cg0791482	0.034714	7.213695	2.557749	0.021088	0.047858	-4.3466	7.907251	7.898254	7.904503	7.889607	7.926929	7.920932	7.891796	7.885671	7.890788	7.898773	7.905554	7.9161	7.933457	7.902873	7.909865	7.899759
DOK1	cg0573639	0.03473	7.007982	3.274001	0.004781	0.014485	-2.97618	7.771863	7.779232	7.7728	7.781739	7.782476	7.793971	7.76896	7.775774	7.758434	7.780475	7.796368	7.795306	7.789698	7.78119	7.782379	7.789335
PLEKHO1	cg1013175	0.034771	7.882192	3.839548	0.00145	0.005447	-1.88545	8.335917	8.349828	8.339311	8.345427	8.336722	8.326523	8.357542	8.339561	8.353969	8.343991	8.359791	8.376726	8.373713	8.368792	8.381083	8.374542
SMAD4	cg1191141	0.03479	7.9609	2.850775	0.011575	0.029524	-3.97181	8.386539	8.394074	8.411783	8.428756	8.377873	8.399364	8.402964	8.397966	8.405541	8.407595	8.438922	8.434595	8.422665	8.437335	8.412767	8.419508
CHD5	cg2074515	0.034825	7.89059	2.814669	0.012472	0.031379	-4.00591	8.348527	8.350237	8.346174	8.351894	8.359703	8.344145	8.335095	8.356371	8.356404	8.358978	8.379991	8.376581	8.387465	8.395775	8.343097	8.369964
CDKN1A	cg1796453	0.034829	6.58262	3.853647	0.001408	0.00532	-2.09401	7.543556	7.539738	7.542004	7.549508	7.549645	7.546214	7.540074	7.538585	7.538812	7.543652	7.55672	7.561941	7.560302	7.542813	7.566861	7.545064
PTPRC	cg1032282	0.034846	7.956117	3.49536	0.002998	0.009863	-2.64639	8.39652	8.40524	8.384239	8.392682	8.389334	8.400897	8.40198	8.40531	8.403317	8.392745	8.415855	8.435409	8.417225	8.40738	8.437477	8.436587
RASSF8	cg0482439	0.034878	7.933729	3.050063	0.007648	0.021074	-3.55118	8.401316	8.375818	8.38325	8.405833	8.383311	8.400174	8.369133	8.40415	8.365191	8.368409	8.400382	8.400342	8.396556	8.397105	8.40028	8.409392
LAT2	cg0967352	0.034923	7.545519	2.756485	0.01406	0.034505	-3.99504	8.13182	8.103127	8.093874	8.097843	8.118498	8.108479	8.130228	8.100813	8.115529	8.103891	8.12584	8.138948	8.130801	8.139928	8.126645	8.144248
FAM172A	cg1309921	0.034932	6.65096	3.198463	0.005604	0.016432	-3.40303	7.567102	7.579807	7.590639	7.579728	7.586167	7.589971	7.577258	7.56573	7.585568	7.568902	7.599291	7.591418	7.595414	7.578312	7.585051	7.591647
RNASEL	cg2756395	0.034937	6.672923	3.065879	0.007399	0.020547	-3.64915	7.583824	7.582511	7.577421	7.588727	7.591411	7.589421	7.577438	7.599176	7.585039	7.601403	7.609244	7.606616	7.622576	7.609528	7.600322	7.592521
DLEC1	cg2068418	0.034952	7.324073	2.948722	0.009447	0.025062	-3.58191	7.943839	7.972952	7.977109	7.963294	7.970629	7.960997	7.97411	7.969032	7.972533	7.956359	7.980668	7.978948	8.000148	7.992243	7.997096	7.981522
ZFHX3	cg2366126	0.035012	7.91969	3.095317	0.006957	0.019551	-3.45465	8.379438	8.372437	8.372321	8.367144	8.365433	8.373378	8.375143	8.351958	8.365182	8.397022	8.400006	8.403558	8.394488	8.404915	8.376188	8.398867
PRDM11	cg0753995	0.035027	6.624477	3.564201	0.002593	0.008792	-2.65899	7.558461	7.554821	7.56091	7.562017	7.564606	7.563808	7.555559	7.576111	7.567072	7.562088	7.58921	7.569988	7.590614	7.572429	7.57637	7.587155
WWOX	cg0065699	0.035055	6.747395	2.917323	0.010084	0.026412	-3.89123	7.637727	7.620062	7.635961	7.625677	7.635927	7.626674	7.628254	7.625273	7.625665	7.62947	7.622274	7.647129	7.659484	7.632364	7.653205	7.648283
SALL2	cg1932691	0.035063	6.76068	3.209693	0.005473	0.016127	-3.28109	7.623021	7.625331	7.634762	7.641907	7.642054	7.631878	7.643166	7.63886	7.626621	7.639117	7.656066	7.647873	7.665697	7.664185	7.642437	7.645715
PTGDR	cg2447040	0.035082	7.101836	3.161544	0.006056	0.017484	-3.15397	7.820648	7.824645	7.838733	7.822696	7.841303	7.819461	7.820704	7.832799	7.842923	7.827109	7.851618	7.85158	7.851449	7.857995	7.840706	7.846186
LITAF	cg1899091	0.035102	7.889244	2.833458	0.011997	0.030365	-3.96891	8.350267	8.357645	8.342429	8.357139	8.331412	8.336705	8.36129	8.355322	8.333865	8.359748	8.369513	8.382893	8.35419	8.399439	8.369209	8.383872
ST7	cg1489646	0.035116	6.669274	3.624492	0.002283	0.007903	-2.49358	7.583872	7.580145	7.590324	7.578894	7.590324	7.595817	7.591693	7.585864	7.576596	7.593909	7.604614	7.601087	7.605808	7.615176	7.591802	7.600149
PTPRJ	cg2354765	0.035193	7.446468	2.937865	0.009663	0.025512	-3.61592	8.037961	8.056576	8.041903	8.054009	8.031861	8.048137	8.04362	8.052945	8.033983	8.053168	8.04994	8.059318	8.087145	8.069703	8.070557	8.067126
TES	cg1974388	0.035235	6.624645	2.615444	0.018759	0.043581	-4.5905	7.557157	7.550976	7.550456	7.554608	7.564238	7.573044	7.570333	7.563822	7.573811	7.558903	7.583334	7.584528	7.596212	7.563037	7.569801	7.598853
SPTBN1	cg1554328	0.035249	7.120778	2.860292	0.011349	0.029071	-3.76188	7.841067	7.851208	7.831773	7.856705	7.857739	7.860013	7.833346	7.851996	7.830899	7.827443	7.863609	7.863572	7.85038	7.844486	7.84968	7.858992
RTN4	cg1470657	0.035281	6.715981	4.225372	0.000645	0.002833	-1.18418	7.602035	7.618241	7.602968	7.604256	7.614128	7.608298	7.614317	7.613428	7.610729	7.615108	7.637184	7.625268	7.628207	7.624857	7.626799	7.637272
BMPR1A	cg1922100	0.035306	7.77786	2.788912	0.013152	0.032704	-4.00175	8.251804	8.258133	8.285579	8.261611	8.259863	8.278542	8.275538	8.272015	8.273174	8.273642	8.301518	8.298154	8.292281	8.293214	8.324203	8.273076
PRDM11	cg0619215	0.035309	7.820879	2.978497	0.008879	0.023805	-3.6438	8.28616	8.307888	8.30958	8.267814	8.288679	8.299888	8.307692	8.302721	8.314589	8.298312	8.313613	8.327379	8.326873	8.345603	8.331999	8.331854
TXNIP	cg0049709	0.035351	6.642269	4.066908	0.000899	0.003702	-1.58432	7.568865	7.575294	7.565654	7.572744	7.582763	7.571456	7.573191	7.576797	7.572446	7.568087	7.580652	7.589007	7.600322	7.59302	7.586859	7.582112
RTN4	cg0656836	0.035363	7.980236	3.375443	0.003861	0.01211	-2.90678	8.405879	8.413594	8.42559	8.417727	8.420966	8.436539	8.425132	8.408308	8.406573	8.414696	8.436105	8.436627	8.451576	8.45149	8.419511	8.434492
CUX1	cg2578730	0.035386	7.92615	3.481256	0.003089	0.010113	-2.65882	8.372992	8.382932	8.379031	8.391823	8.370937	8.363439	8.372829	8.3633	8.386205	8.3838	8.400387	8.401118	8.413987	8.401433	8.385105	8.403193
PEG3	cg1766346	0.03541	7.952178	3.864937	0.001375	0.005226	-1.86756	8.405596	8.387479	8.388707	8.398026	8.382353	8.384391	8.393968	8.398884	8.41091	8.389243	8.416729	8.414103	8.432888	8.423947	8.430194	8.418711
ARMC5	cg1045142	0.035422	7.814918	3.403558	0.003639	0.011546	-2.76538	8.309565	8.295927	8.28043	8.291988	8.279592	8.304777	8.290344	8.302604	8.294868	8.307239	8.317313	8.322746	8.32785	8.328673	8.309528	8.329015
CXCL12	cg0700196	0.035453	7.401991	2.937878	0.009662	0.025512	-3.61076	8.00746	8.005865	8.01875	8.015935	8.020453	8.013191	8.023151	8.030405	8.010066	8.010041	8.040458	8.025865	8.043359	8.04777	8.060044	8.020614
ABI2	cg0775421	0.035455	7.628529	3.585318	0.00248	0.008466	-2.3199	8.175915	8.15902	8.180711	8.17145	8.169226	8.181018	8.167081	8.158799	8.164697	8.164402	8.187634	8.181791	8.190725	8.198839	8.170438	8.188854
SGMS1	cg1338251	0.035474	7.705283	2.654668	0.017319	0.040847	-4.23757	8.225538	8.22734	8.229439	8.204905	8.252219	8.230764	8.227053	8.206479	8.205804	8.220396	8.21555	8.241458	8.254761	8.247458	8.234346	8.234637
CABLES1	cg0990593	0.035478	6.620748	4.562943	0.00032	0.001616	-0.55779	7.553266	7.555098	7.558996	7.561484	7.558752	7.568045	7.560154	7.563349	7.562801	7.565166	7.582589	7.578348	7.588277	7.576218	7.576763	7.570799
CDKN1C	cg2693255	0.035494	6.660819	3.046221	0.007709	0.021208	-3.70636	7.574754	7.591885	7.580709	7.588672	7.605875	7.581011	7.584793	7.574329	7.574821	7.583982	7.595749	7.598425	7.6069	7.587418	7.584271	7.601274
SGMS1	cg1665956	0.035537	7.985238	2.617364	0.018686	0.043464	-4.43855	8.429274	8.434767	8.439589	8.431585	8.425873	8.44662	8.442385	8.400251	8.389928	8.410562	8.418686	8.448177	8.419504	8.453748	8.426126	8.446671
SMARCA2	cg0425345	0.035583	6.608203	2.670943	0.016753	0.039839	-4.50171	7.542574	7.549425	7.547181	7.551485	7.570086	7.563617	7.546779	7.561646	7.563027	7.551192	7.57245	7.586748	7.58161	7.557422	7.573487	7.557819
HOMER2	cg0566910	0.035596	6.586486	4.719981	0.000232	0.001246	-0.26484	7.543443	7.545407	7.545774	7.549606	7.54219	7.543651	7.54323	7.539654	7.544903	7.545198	7.564172	7.561123	7.556014	7.560911	7.566741	7.545163
DCC	cg0283537	0.035688	7.436709	3.732216	0.001819	0.00656	-1.97278	8.034677	8.035705	8.046508	8.041802	8.0507	8.044119	8.033984	8.043519	8.030722	8.040656	8.056356	8.063449	8.071653	8.057589	8.051272	8.05262
TCF7L2	cg1060705	0.035716	6.605844	5.034375	0.000123	0.000742	0.404706	7.552341	7.551184	7.564622	7.547647	7.556009	7.55546	7.551632	7.553655	7.553972	7.554142	7.568573	7.564684	7.571448	7.573885	7.564754	7.572513
CTDSPL	cg0564357	0.035718	7.897352	2.800354	0.012845	0.032118	-4.03779	8.390298	8.356295	8.347367	8.35504	8.33138	8.350948	8.351153	8.346512	8.358312	8.368364	8.378154	8.365687	8.384202	8.386691	8.388241	8.379956

PTPRC	cg1319669	0.035741	7.926223	3.074889	0.007261	0.020227	-3.50018	8.380303	8.37496	8.361316	8.36585	8.363684	8.405499	8.369904	8.393464	8.364864	8.381478	8.411112	8.400085	8.396241	8.404937	8.401209	8.398573
MAPK10	cg0535794	0.035765	6.641049	3.212647	0.00544	0.016048	-3.37975	7.574967	7.566712	7.563351	7.572336	7.588845	7.57206	7.564583	7.571097	7.577197	7.57251	7.602408	7.591511	7.590408	7.587584	7.578699	7.574946
AXIN2	cg0236698	0.035791	6.831768	3.525089	0.002816	0.009404	-2.57251	7.680167	7.672167	7.663543	7.675178	7.67768	7.678579	7.676843	7.670629	7.674877	7.67363	7.695675	7.691658	7.697505	7.671909	7.69303	7.699852
TCF7L2	cg2327604	0.035862	6.782316	3.599377	0.002407	0.00826	-2.45647	7.641652	7.647019	7.666615	7.657722	7.646299	7.649108	7.641861	7.643666	7.644598	7.64786	7.656661	7.660249	7.670639	7.65854	7.653124	7.671319
PTPN11	cg0727800	0.035873	6.669786	3.454863	0.003266	0.010583	-2.85388	7.589371	7.592405	7.582367	7.589204	7.608102	7.596165	7.583808	7.585813	7.574995	7.588972	7.595003	7.60945	7.607025	7.600449	7.599799	7.587339
HIPK2	cg2000190	0.035906	7.971645	2.92554	0.009913	0.026049	-3.82086	8.444228	8.426141	8.435155	8.418357	8.404127	8.434636	8.399216	8.405827	8.410522	8.381248	8.410258	8.421258	8.410208	8.437154	8.425828	8.439834
MOB1B	cg1937962	0.035921	6.649473	4.126896	0.000793	0.003353	-1.45246	7.571172	7.577818	7.578569	7.573839	7.575744	7.591515	7.579042	7.571999	7.580123	7.569897	7.595381	7.585777	7.599977	7.593808	7.586171	7.588665
ERF	cg1655132	0.03593	6.64551	4.39202	0.000456	0.002147	-0.89789	7.576519	7.569366	7.583254	7.57026	7.580736	7.581359	7.577856	7.572086	7.56604	7.574706	7.596411	7.581401	7.58624	7.59652	7.585573	7.587905
PDSS2	cg0446455	0.035933	6.648628	3.823644	0.0015	0.005588	-2.09311	7.56461	7.589204	7.580754	7.570601	7.569312	7.586098	7.576733	7.569753	7.576719	7.578249	7.595633	7.585889	7.59372	7.5968	7.591372	7.587033
IQGAP2	cg1628641	0.035963	6.972391	3.103268	0.006842	0.019294	-3.34932	7.768529	7.743096	7.749957	7.761012	7.750568	7.751903	7.750985	7.76684	7.740103	7.754799	7.775666	7.776056	7.755237	7.779725	7.77118	7.773155
TXNIP	cg1774516	0.035977	6.58028	2.723521	0.015044	0.036514	-4.42969	7.555864	7.552719	7.543241	7.537577	7.536638	7.536154	7.533346	7.53439	7.532761	7.555123	7.547551	7.54074	7.565568	7.558016	7.544582	7.572379
PTPRC	cg0036896	0.035996	7.034958	2.719392	0.015172	0.036758	-4.07539	7.791888	7.791048	7.781204	7.806942	7.807469	7.789724	7.783975	7.783962	7.798217	7.782137	7.818578	7.802381	7.825941	7.796912	7.79187	7.801497
AGTR1	cg2583313	0.036071	7.695483	2.611504	0.01891	0.043861	-4.32183	8.209489	8.204023	8.195877	8.206895	8.21243	8.193348	8.201017	8.208889	8.228469	8.236227	8.24739	8.246686	8.260254	8.209841	8.246298	8.242712
TNFAIP8L2	cg0031800	0.036094	6.663314	3.580074	0.002507	0.00855	-2.59393	7.572016	7.582716	7.584534	7.597114	7.589559	7.586468	7.58059	7.585379	7.576569	7.587112	7.608154	7.603596	7.601183	7.589516	7.588627	7.602701
STK10	cg0833346	0.036096	7.702981	3.508574	0.002916	0.009642	-2.50424	8.200081	8.220729	8.210351	8.220174	8.211291	8.206874	8.221097	8.214426	8.240133	8.213099	8.255625	8.247755	8.246702	8.249867	8.239328	8.235252
DCDC2	cg0451500	0.036117	7.703843	3.264352	0.004879	0.014728	-3.01209	8.2115	8.197666	8.214718	8.240612	8.202359	8.207354	8.228524	8.228653	8.214105	8.219348	8.241578	8.249272	8.245004	8.252083	8.240834	8.248795
ZMYND11	cg0882819	0.036158	6.610462	5.660718	3.56E-05	0.00027	1.677227	7.556653	7.556403	7.554233	7.555633	7.556783	7.552174	7.559199	7.550545	7.561714	7.554743	7.573904	7.57266	7.57373	7.577111	7.56973	7.569537
MADD	cg0748393	0.036177	6.739491	3.938168	0.001178	0.0046	-1.77567	7.635981	7.617628	7.625106	7.632983	7.631167	7.619845	7.618375	7.620309	7.621157	7.627929	7.638536	7.636714	7.649754	7.63144	7.643193	7.634814
FBXL13	cg1061394	0.03621	7.974519	3.466156	0.003189	0.01039	-2.71372	8.427763	8.421358	8.420139	8.402218	8.424416	8.412801	8.410901	8.420624	8.395217	8.404377	8.429436	8.424694	8.414507	8.441012	8.441846	8.446314
TGFBR3	cg2311335	0.036226	7.854691	3.59699	0.002419	0.008294	-2.3822	8.336639	8.324567	8.316716	8.312957	8.306963	8.306024	8.318076	8.327006	8.341546	8.331773	8.344496	8.351342	8.356799	8.355997	8.364079	8.352235
PTPN6	cg2397481	0.036248	6.772536	3.217997	0.005379	0.015905	-3.25205	7.644583	7.624254	7.624096	7.642535	7.644963	7.632536	7.638663	7.653752	7.649069	7.640281	7.665695	7.662624	7.673306	7.65402	7.653788	7.668048
THRA	cg1279741	0.036268	7.813796	3.854887	0.001404	0.00531	-1.81684	8.295577	8.306162	8.306693	8.301441	8.286026	8.286892	8.282078	8.300952	8.292157	8.305134	8.313016	8.319136	8.316118	8.320932	8.318892	8.328287
RASSF5	cg0186075	0.036272	7.238411	3.240894	0.005126	0.015304	-2.98177	7.930793	7.919699	7.899861	7.919393	7.905602	7.912486	7.905082	7.91624	7.91448	7.91052	7.932909	7.931578	7.927672	7.94027	7.941913	7.919196
ILK	cg1986079	0.036282	6.654727	3.300048	0.004526	0.013831	-3.18241	7.580462	7.569268	7.566624	7.580247	7.586965	7.567638	7.579867	7.578919	7.590543	7.575828	7.609267	7.598233	7.599655	7.60094	7.5994	7.580184
RNF180	cg1032149	0.036289	6.752107	2.775806	0.013512	0.033417	-4.16655	7.637647	7.640284	7.604734	7.629738	7.625997	7.628106	7.619275	7.64363	7.634033	7.632681	7.660191	7.644088	7.648865	7.656953	7.653234	7.635103
EPB41L3	cg0318390	0.036312	6.644405	3.369854	0.003907	0.012244	-3.05655	7.591763	7.576299	7.576245	7.578716	7.588869	7.581621	7.566582	7.574016	7.573884	7.559397	7.571238	7.589405	7.593316	7.572799	7.589093	7.593856
CD82	cg2195781	0.036322	6.764356	2.600821	0.019325	0.044589	-4.50428	7.628814	7.638768	7.63997	7.657275	7.645148	7.638385	7.634258	7.631798	7.620185	7.652985	7.671951	7.656018	7.647968	7.636441	7.659188	7.641484
ALOX15	cg2335857	0.03635	7.844798	3.679119	0.002034	0.0072	-2.20247	8.32051	8.318407	8.324778	8.306355	8.32168	8.310694	8.324928	8.304166	8.313178	8.331195	8.335893	8.349554	8.339148	8.345725	8.332457	8.354867
ROBO1	cg0823359	0.03638	6.660475	3.345823	0.00411	0.012782	-3.08686	7.581077	7.587798	7.582388	7.590841	7.584363	7.578977	7.57107	7.593341	7.577677	7.58049	7.602142	7.605009	7.583202	7.583996	7.60143	7.608181
RASAL2	cg0319086	0.036418	6.61001	4.423476	0.000427	0.002041	-0.86019	7.552845	7.551238	7.550938	7.558274	7.556927	7.550289	7.554622	7.559354	7.557751	7.557208	7.570718	7.58425	7.571813	7.573576	7.581151	7.560252
HEPACAM	cg0564701	0.036477	6.794057	2.721299	0.015113	0.036628	-4.24238	7.646575	7.629913	7.660395	7.659335	7.662262	7.656739	7.664913	7.645372	7.660752	7.644479	7.685604	7.6676	7.681605	7.666318	7.659731	7.668691
VPS53	cg1910608	0.036536	7.834542	3.511995	0.002895	0.009592	-2.54704	8.309959	8.315832	8.31087	8.30887	8.30792	8.320524	8.317817	8.303653	8.315975	8.300296	8.341225	8.332078	8.327433	8.347763	8.345048	8.310866
SPI1	cg1043524	0.036549	7.826115	2.593619	0.01961	0.045115	-4.40768	8.280015	8.304806	8.326164	8.292304	8.290792	8.29491	8.292702	8.306944	8.338256	8.295667	8.32249	8.339303	8.338051	8.320037	8.334131	8.343922
PAX6	cg0584278	0.036576	7.511437	4.324096	0.000525	0.002393	-0.74069	8.083299	8.086382	8.091169	8.092879	8.0871	8.090324	8.085869	8.086466	8.087962	8.090935	8.1146	8.115721	8.117508	8.109787	8.104149	8.101168
ZMYND10	cg1379820	0.036592	7.888879	3.453181	0.003277	0.010612	-2.69783	8.357266	8.342567	8.369071	8.350735	8.341351	8.340434	8.356659	8.348151	8.341724	8.349056	8.364413	8.372418	8.360526	8.375403	8.376231	8.394484
PLAGL1	cg2177666	0.036618	7.589154	3.757466	0.001724	0.006287	-1.94957	8.134926	8.138531	8.140305	8.13926	8.134301	8.123599	8.151706	8.137396	8.138154	8.145307	8.164841	8.147852	8.174847	8.169876	8.171202	8.169638
FOXP1	cg1179114	0.036654	7.924553	3.798562	0.001581	0.005843	-1.99116	8.393669	8.375122	8.379159	8.367806	8.381673	8.362488	8.373752	8.370895	8.368908	8.383434	8.399456	8.394164	8.391859	8.392633	8.405512	8.413355
CTNND1	cg1990200	0.03666	6.603776	3.004926	0.008403	0.022753	-3.8371	7.53936	7.541312	7.543854	7.556522	7.561594	7.552383	7.551913	7.551683	7.557549	7.557302	7.583605	7.586681	7.571793	7.568832	7.557546	7.558156
RTN4	cg0662228	0.036668	6.611014	4.010085	0.001013	0.004075	-1.73751	7.557951	7.558576	7.559733	7.554443	7.568456	7.569107	7.546786	7.558535	7.551845	7.555757	7.575223	7.572055	7.570955	7.560075	7.560934	7.578827
RASSF2	cg1638575	0.036674	7.599138	2.812269	0.012534	0.0315	-3.89774	8.131936	8.154924	8.142213	8.164973	8.152666	8.1464	8.147268	8.152136	8.147026	8.136399	8.173387	8.156593	8.19038	8.171123	8.145039	8.177719
PPP2R5C	cg2256647	0.036685	6.681507	3.681088	0.002026	0.007174	-2.36132	7.586021	7.588508	7.587239	7.587212	7.596874	7.590452	7.615095	7.58958	7.585767	7.59012	7.607142	7.615412	7.606125	7.619615	7.614296	7.61025
TGFBR3	cg1508340	0.036704	7.955751	4.351458	0.000496	0.002288	-0.83986	8.396301	8.420644	8.412639	8.404193	8.402239	8.40547	8.394292	8.395746	8.387966	8.391411	8.41696	8.415599	8.407312	8.424029	8.429353	8.413422
IGF2R	cg2177492	0.036711	6.872708	2.789744	0.013129	0.032661	-4.05082	7.6823	7.721194	7.699941	7.697944	7.695965	7.698555	7.681614	7.702368	7.698937	7.698164	7.722265	7.718106	7.704591	7.716785	7.697229	7.722994
STARD13	cg0052354	0.036712	7.876931	2.96078	0.009213	0.024534	-3.70231	8.357448	8.345909	8.349402	8.327741	8.363879	8.35695	8.338106	8.317102	8.354025	8.331381	8.370691	8.365079	8.357834	8.343849	8.351055	8.372191
ZHX2	cg1550208	0.036719	7.921961	3.499265	0.002974	0.0098	-2.61687	8.376469	8.402187	8.377212	8.367347	8.362708	8.392167	8.364699	8.374438	8.369113	8.369371	8.383893	8.389579	8.393469	8.403382	8.395407	8.402247
GSN	cg2137097	0.03677	7.966993	2.808984	0.012619	0.031686	-4.05697	8.390548	8.41954	8.413693	8.395598	8.425291	8.401974	8.432157	8.40146	8.39743	8.388793	8.428852	8.426659	8.412893	8.425792	8.448055	8.44087
PTPN13	cg0390575	0.036771	7.832312	3.879203	0.001334	0.005102	-1.77681	8.301034	8.313642	8.300121	8.292452	8.305985	8.305207	8.310324	8.314051	8.32117	8.303848	8.337845	8.333451	8.336047	8.354723	8.323851	8.33715
CADM1	cg0227059	0.036783	7.668195	4.082442	0.00087	0.003607	-1.28448	8.205625	8.208522	8.218208	8.212898	8.210259	8.206625	8.185855	8.176772	8.180644	8.193623	8.203331	8.217793	8.211159	8.19591	8.209251	8.210259
CREM	cg1950586	0.036784	6.603122	4.529101	0.000344	0.001708	-0.64734	7.557779	7.548581	7.551689	7.556608	7.552538	7.548744	7.546115	7.552585	7.556094	7.552886	7.568979	7.564037	7.577461	7.576958	7.560313	7.562789
PRDM2	cg1237914	0.036797	7.806366	3.529215	0.002792	0.009336	-2.49904	8.293269	8.278314	8.302925	8.282915	8.273351	8.292281	8.299814	8.293137	8.299044	8.277635	8.303337	8.314999	8.31457	8.321387	8.319913	8.328326
IKZF1	cg1860752	0.036798	7.366617	2.948653	0.009448	0.025062	-3.58556	7.986876	7.98641	7.985165	7.992354	7.993958	7.98821	7.983855	8.02111	7.981332	7.999062	8.01281	8.012084	8.017068	8.005942	8.03507	8.02633
ST7	cg0958448	0.036857	7.847366	4.38274	0.000465	0.002179	-0.72146	8.317742	8.317033	8.328331	8.327176	8.316688	8.330261	8.315247	8.32541	8.308237	8.321461	8.347504	8.332708	8.347855	8.341183	8.338586	8.347337
GSK3B	cg2258093	0.03686	7.881975	3.236384	0.005175	0.015429	-3.14641	8.329002	8.346374	8.333634	8.34746	8.3221	8.358744	8.341002	8.344893	8.351777	8.351358	8.385093	8.376001	8.374264	8.381033	8.350769	8.367564
MXI1	cg0763751	0.036863	7.114506	2.922358	0.009979	0.026185	-3.63791	7.848522	7.82289	7.846314	7.838468	7.835898	7.847874	7.847603	7.81973	7.838174	7.835083	7.868254	7.845624	7.862975	7.862938	7.8481	7.844055
ARNTL	cg1523371	0.036886	7.254606	3.134815	0.006405	0.018285	-3.20033	7.92021	7.909787	7.906384	7.924764	7.910183	7.915203	7.92665	7.927881	7.922356	7.933523	7.967522	7.938207	7.948473	7.963078	7.943182	7.932703
NFKB1	cg1433880	0.036951	8.000521	2.995238	0.008575	0.023135	-3.69879	8.424546	8.435951	8.458875	8.422205	8.44323	8.442273	8.443626	8.421484	8.438125	8.401406	8.449602	8.435675	8.45255	8.45887	8.463293	8.451984
FAS	cg1363295	0.036973	6.601231	3.817625	0.001519	0.005647	-2.15139	7.549387	7.54854	7.555432	7.553827	7.563676	7.550921	7.548629	7.552426	7.550789	7.547043	7.574339	7.564655	7.565856	7.577987	7.567635	7.547418
NNAT	cg2158830	0.036994	7.834432	2.845778	0.011695	0.029771	-3.91495	8.325306	8.303344	8.301538	8.321063	8.316805	8.287874	8.292007	8.311555	8.303405	8.33685	8.337999	8.344798	8.341432	8.326034	8.339831	8.325331
VWA5A	cg1369504	0.036996	7.701337	2.531893	0.022218	0.049969	-4.47359	8.202703	8.225847	8.207441	8.230424	8.246734	8.225623	8.199422	8.230159	8.212882	8.209822	8.254942	8.248363	8.241656	8.233484	8.210331	8.234571
SEMA3B	cg0758047	0.037022	7.983153	2.68508	0.016276	0.038966	-4.31157	8.417499	8.429753	8.389799	8.411198	8.432214	8.40884	8.441193	8.396001	8.419547	8.42131	8.447684	8.448452	8.449524	8.45401	8.454371	8.418134
YAP1	cg0144279	0.037044	6.668262	2.865447	0.011229	0.028801	-4.06673	7.599621	7.577265	7.581914	7.596144	7.606527	7.594674	7.596938	7.571211	7.575641	7.583934	7.602683	7.615884	7.593238	7.597753	7.591654	7.59255
PEG3	cg1180453	0.037095	6.633325	2.883199	0.010824	0.027971	-4.06086	7.571174	7.565979	7.555854	7.572555	7.575134	7.587773	7.560419	7.571397	7.576938	7.55337	7.599728	7.581673	7.586098	7.571911	7.581319	7.573507
CYGB	cg2130144	0.037149	7.840546	3.94718	0.001156	0.004538	-1.63432	8.307199	8.327569	8.324464	8.31048	8.325225	8.318778	8.315529	8.310044	8.313584	8.308971	8.33137	8.326141	8.350461	8.32991	8.337493	8.347492
STARD13	cg0291586	0.037155	7.920355	3.220219	0.005354	0.015843	-3.19483	8.382498	8.376752	8.377848	8.375345	8.369499	8.41222	8.37773	8.367142	8.360641	8.357521	8.399022	8.396026	8.376505	8.402453	8.382501	8.391361
PRDM2	cg2540204	0.037169	7.517984	2.656107	0.017269	0.04076	-4.18577	8.116686	8.080368	8.073357	8.098415	8.102577	8.080155	8.116695	8.081604	8.091804	8.08009	8.12166	8.117105	8.108409	8.109069	8.122716	8.114892
PPARG	cg1830378	0.037214	6.816329	2.795583	0.012972	0.032383	-4.08037	7.665277	7.647771	7.684591	7.650295	7.676034	7.679354	7.669066	7.667605	7.656873	7.663791	7.685571	7.673118	7.685082	7.69094	7.69064	7.670305
PLAGL1	cg1244486	0.037214	7.937385	3.30846	0.004447	0.013622	-3.0259	8.376761	8.383614	8.39759	8.373321	8.390196	8.364219	8.391329	8.382647	8.404982	8.366445	8.403682	8.413757	8.403443	8.412734	8.424015	8.414817
DAPK3	cg1625610	0.037216	6.605248	3.941637	0.00117	0.004578	-1.88246	7.550534	7.547745	7.547654	7.556554	7.551978	7.558206	7.554656	7.554638	7.548461	7.557696	7.571459	7.562285	7.587004	7.57735	7.565812	7.559844
FAM172A	cg2548039	0.037322	6.608647	2.574806	0.020372	0.046482	-4.68712	7.553049	7.554531	7.550732	7.562365	7.549791	7.547555	7.558375	7.547232	7.579055	7.539927	7.581782	7.555029	7.589584	7.581161	7.564378	7.565861
AHNAK	cg2711282	0.03733	7.949456	3.723647	0.001852	0.006671	-2.16187	8.382312	8.39382	8.420369	8.400999	8.3861	8.383672	8.390045	8.395761	8.39128	8.391558	8.412513	8.413713	8.413997	8.415444	8.430427	8.422183
HOPX	cg0985337	0.037331	7.940693	4.042956	0.000945	0.003856	-1.48506	8.399905	8.383193	8.388439	8.395469	8.367642	8.378149	8.385717	8.378462	8.392191	8.393277	8.404661	8.419017	8.412005	8.415831	8.415229	8.412767
NFKB1	cg0536509	0.037332	7.429668	3.220998	0.005345	0.015829	-3.03626	8.035426	8.040106	8.046034	8.042153	8.060502	8.032428	8.040314	8.015023	8.027148	8.033319	8.056644	8.043064	8.056547	8.065526	8.04754	8.039914
NCOA4	cg1217866	0.03736	6.610024	4.042115	0.000947	0.003861	-1.66847	7.551059	7.562486	7.559931	7.551071	7.549885	7.573936	7.552873	7.558554	7.55169	7.553601	7.57138	7.568908	7.570437	7.581945	7.564614	7.568766
NDRG4	cg1424205	0.037385	7.385823	2.823407	0.012249	0.030879	-3.83725	8.01543	8.016202	7.998665	8.013471	8.026681	7.995367	7.999578	8.019164	7.988109	8.003435	8.028144	8.019004	8.007851	8.018683	8.033046	8.042815
CDKN1C	cg0555944	0.037441	7.635164	3.244615	0.005086	0.015216	-3.03136	8.166858	8.177508	8.174337	8.156846	8.189999	8.181784	8.162617	8.164742	8.166412	8.183002	8.201272	8.20788	8.189905	8.189569	8.192364	8.178403
PRICKLE1	cg0645996	0.037441	7.812551	4.233532	0.000634	0.00279	-1.01823	8.29611	8.296114	8.293102	8.28829	8.304806	8.309627	8.293017	8.290926	8.294553	8.29204	8.32224	8.326001	8.316298	8.315605	8.323055	8.303495
GPX3	cg2153692	0.037452	7.8678	4.121264	0.000802	0.003379	-1.28298	8.332341	8.329165	8.339482	8.34206	8.323301	8.325948	8.343092	8.327804	8.34122	8.328777	8.352394	8.362577	8.362341	8.373096	8.363886	8.350067
DLC1	cg0281289	0.03751	7.315801	3.05323	0.007597	0.020986	-3.36952	7.975595	7.963703	7.966803	7.96635	7.967052	7.952506	7.97319	7.957687	7.953265	7.949178	7.981631	7.963726	7.963413	7.987802	7.9959	7.989317
PPARG	cg1682753	0.037538	7.854619	3.008549	0.00834	0.022624	-3.59442	8.329202	8.359656	8.320484	8.335872	8.330727	8.32332	8.326756	8.313843	8.322947	8.314097	8.356768	8.327373	8.339543	8.363623	8.329657	8.352209
TCF7L2	cg1174818	0.037539	6.619369	3.631716	0.002248	0.00781	-2.52746	7.562841	7.560569	7.574864	7.555483	7.564922	7.568193	7.559977	7.561593	7.55423	7.556044	7.579156	7.575957	7.559569	7.590414	7.581516	7.563223
HIVEP3	cg1234984	0.037541	7.647571	3.45131	0.00329	0.010648	-2.60553	8.183918	8.183609	8.179319	8.19458	8.186023	8.187707	8.173011	8.179766	8.181267	8.169674	8.211371	8.185738	8.210514	8.183643	8.216003	8.193461
SH2B3	cg1352306	0.037563	7.868645	4.05577	0.00092	0.003767	-1.42133	8.341509	8.337572	8.332398	8.326017	8.333978	8.32582	8.326954	8.335727	8.331673	8.348216	8.363651	8.360663	8.355588	8.372945	8.346965	8.367601
ROBO1	cg2722133	0.037564	6.666183	4.5528	0.000327	0.001643	-0.54047	7.585444	7.589536	7.583472	7.591443	7.583205	7.576938	7.591813	7.575531	7.588793	7.582161	7.605698	7.600196	7.598283	7.607185	7.605889	7.594381
CADM1	cg1668127	0.037581	7.773256	2.843619	0.011748	0.029861	-3.89153	8.263284	8.272537	8.26205	8.259104	8.249484	8.257862	8.298523	8.243591	8.280561	8.259819	8.288564	8.290978	8.293979	8.308409	8.285324	8.306469
TCEB3	cg1271772	0.037588	6.615988	3.153299	0.006161	0.017723	-3.52269	7.55061	7.559857	7.550101	7.560003	7.555091	7.561452	7.550584	7.553549	7.559013	7.577558	7.591471	7.584211	7.580231	7.564701	7.578353	7.564208
YAP1	cg2098972	0.037629	6.671425	3.606005	0.002374	0.008165	-2.53536	7.595482	7.596426	7.582208	7.597776	7.599328	7.58904	7.57791	7.596472	7.585804	7.575639	7.593817	7.610137	7.599547	7.600132	7.612961	7.59145
PGR	cg1493348	0.037641	7.396432	2.946401	0.009493	0.025162	-3.59247	8.000528	8.013752	8.017853	8.035256	8.002739	8.02985	8.005497	8.01193	8.003292	8.01925	8.033352	8.039188	8.045768	8.028634	8.014627	8.03408
HIVEP3	cg2528392	0.037642	7.521965	3.490191	0.003031	0.009961	-2.49292	8.095331	8.099204	8.086255	8.104715	8.095526	8.100678	8.108803	8.100477	8.084759	8.080157	8.103794	8.115887	8.114131	8.130173	8.121472	8.116438
TP53BP2	ch.1.43599	0.037648	6.604684	5.261462	7.79E-05	0.000514	0.868102	7.548388	7.555783	7.550178	7.553883	7.555951	7.556271	7.548804	7.555681	7.554034	7.551416	7.567154	7.570849	7.576739	7.567828	7.573731	7.560321
BMP4	cg0922989	0.037672	7.415205	2.931229	0.009797	0.025814	-3.62535	8.026426	8.031969	8.024763	8.037179	8.017537	8.017703	8.029421	8.000638	8.025189	8.040324	8.055345	8.064484	8.040559	8.044967	8.038196	8.036224
NNAT	cg0361523	0.037742	8.000051	3.722098	0.001858	0.006688	-2.19443	8.432838	8.428264	8.405564	8.416703	8.41826	8.435338	8.426335	8.436355	8.422698	8.451572	8.46249	8.463291	8.464506	8.446718	8.464936	8.462606
PLA2G16	cg1376569	0.037765	7.019444	3.158896	0.006089	0.017559	-3.20221	7.786069	7.779832	7.778351	7.787968	7.79558	7.768052	7.780373	7.770555	7.769807	7.795941	7.802267	7.800008	7.806648	7.793732	7.805576	7.786957
PTPN6	cg1969317	0.037786	7.814329	3.397489	0.003686	0.011656	-2.77844	8.290941	8.306497	8.28652	8.296438	8.276419	8.28602	8.304647	8.288309	8.294871	8.308333	8.332313	8.332272	8.302063	8.328808	8.317633	8.333857
KLF10	cg0601784	0.03781	6.606682	3.600081	0.002404	0.00825	-2.60261	7.546072	7.549636	7.548433	7.560931	7.555446	7.561884	7.546279	7.553552	7.555522	7.560244	7.580872	7.574342	7.5829	7.559502	7.566338	7.561814
CDKN1C	cg1743404	0.037833	6.685541	2.920429	0.010019	0.026272	-3.93891	7.592117	7.602845	7.591464	7.595268	7.622609	7.590719	7.58889	7.589266	7.589904	7.601168	7.611628	7.620297	7.615499	7.601452	7.593604	7.617078
SCUBE2	cg0324376	0.037842	7.997124	4.162083	0.000737	0.003147	-1.26207	8.429849	8.438227	8.438685	8.429975	8.414733	8.425525	8.419222	8.436692	8.419046	8.431987	8.441071	8.445518	8.452964	8.457297	8.460494	8.462292
GLI1	cg1783071	0.037873	6.617914	3.417116	0.003537	0.011295	-2.9804	7.551795	7.573738	7.563027	7.554526	7.574757	7.574005	7.556539	7.563315	7.559239	7.545715	7.574159	7.56964	7.576249	7.577627	7.560749	7.581461
ST7	cg1066116	0.03788	6.651256	3.082846	0.007141	0.019965	-3.63855	7.574708	7.579864	7.578662	7.586095	7.565513	7.592762	7.567352	7.593703	7.57365	7.566402	7.59637	7.580427	7.596632	7.603701	7.597136	7.581696
SYK	cg1228600	0.037948	7.883383	2.573327	0.020433	0.04661	-4.47763	8.337964	8.3543	8.325496	8.334105	8.330262	8.327898	8.348477	8.362391	8.346394	8.347299	8.337305	8.37534	8.397576	8.367291	8.402378	8.383349
CUX1	cg0825718	0.037952	7.242685	2.990942	0.008652	0.023299	-3.49233	7.909534	7.927272	7.922537	7.923153	7.907025	7.918431	7.923329	7.900753	7.9013	7.927456	7.936859	7.941979	7.923401	7.940591	7.948437	7.918385
PARK2	cg1806251	0.037959	6.728353	3.548001	0.002683	0.009039	-2.59985	7.61181	7.612292	7.615018	7.599552	7.602242	7.625453	7.620546	7.625476	7.615398	7.624461	7.63874	7.621936	7.647993	7.64265	7.640147	7.646006
RHOBTB2	cg1827021	0.037959	7.565142	2.657344	0.017225	0.040683	-4.19357	8.118654	8.127572	8.121111	8.100378	8.15513	8.112257	8.130664	8.124744	8.110755	8.13107	8.161258	8.14107	8.132379	8.153116	8.14157	8.16029
IQGAP2	cg1125117	0.03796	7.207246	3.102254	0.006857	0.019321	-3.26603	7.891545	7.899323	7.906991	7.896587	7.8717	7.892476	7.886681	7.880056	7.896987	7.908602	7.911833	7.924336	7.9123	7.908082	7.91882	7.912113
SRGAP3	cg1347582	0.037992	7.482475	2.939886	0.009622	0.025432	-3.6172	8.067657	8.081775	8.054373	8.041292	8.089553	8.071979	8.057573	8.075926	8.071332	8.071427	8.089008	8.095473	8.092126	8.090676	8.088517	8.099202
TXNIP	cg2252521	0.038054	6.692263	2.542667	0.02174	0.049087	-4.6786	7.621393	7.591997	7.611482	7.580894	7.605935	7.619004	7.591659	7.581305	7.604793	7.599707	7.603204	7.627006	7.613426	7.61943	7.607972	7.60178
RPS6KA2	cg2326153	0.038062	7.950404	2.766624	0.01377	0.033952	-4.13157	8.399055	8.426	8.390286	8.381027	8.369793	8.414957	8.383356	8.381465	8.415198	8.386424	8.414867	8.416091	8.417079	8.425609	8.411746	8.422547
FOXP1	cg0876847	0.038233	7.959859	3.197237	0.005619	0.016461	-3.26561	8.403294	8.417932	8.390112	8.391609	8.407227	8.409263	8.416475	8.395187	8.379641	8.403443	8.421766	8.427318	8.411656	8.413665	8.429448	8.447936
DAPK3	cg0544464	0.038243	6.615961	4.232764	0.000635	0.002793	-1.2584	7.55322	7.567179	7.554017	7.5565	7.557831	7.563375	7.557609	7.551897	7.560878	7.563288	7.585679	7.569028	7.581638	7.570981	7.566422	7.58088
PRDM5	cg0707034	0.038268	7.454714	3.259808	0.004926	0.014826	-2.96002	8.072062	8.040088	8.059036	8.049236	8.054318	8.044261	8.056272	8.045257	8.046555	8.045927	8.049714	8.071484	8.077252	8.080732	8.07756	8.07483
CUX1	cg0062331	0.038271	7.919544	2.817294	0.012404	0.03123	-4.01138	8.382849	8.380553	8.358923	8.40918	8.403948	8.36789	8.380315	8.353224	8.35836	8.361843	8.394497	8.404323	8.394112	8.384452	8.376526	8.38482
RARB	cg1900381	0.038272	7.132614	3.100858	0.006877	0.019363	-3.27357	7.850082	7.846114	7.838473	7.84318	7.847579	7.861619	7.857075	7.852633	7.841256	7.838415	7.881054	7.859461	7.85346	7.878945	7.857412	7.880923
TGFBR3	cg1913970	0.038283	6.664375	4.055204	0.000921	0.00377	-1.58933	7.587311	7.586693	7.583655	7.586184	7.580776	7.578395	7.583614	7.584076	7.577182	7.58928	7.58309	7.602184	7.612476	7.607173	7.598599	7.604164
NEDD4L	cg0791240	0.038302	7.966132	3.818551	0.001516	0.005641	-1.97317	8.39991	8.417078	8.397957	8.377339	8.396228	8.404673	8.413338	8.394697	8.409636	8.416788	8.434443	8.438486	8.424744	8.435635	8.435304	8.443399
SYNM	cg0595135	0.038353	7.836525	3.150777	0.006194	0.017803	-3.29746	8.322278	8.310029	8.299726	8.317824	8.297823	8.328441	8.316745	8.300374	8.310996	8.314694	8.347247	8.345255	8.328739	8.349651	8.310673	8.338494
RASSF5	cg0561641	0.038355	7.547043	2.986026	0.008741	0.023495	-3.53487	8.132964	8.110079	8.126214	8.103705	8.138043	8.122791	8.104506	8.118369	8.09979	8.096767	8.127514	8.118209	8.126373	8.129409	8.153417	8.11852
ABCG2	cg0219622	0.038356	6.646078	3.039507	0.007818	0.021456	-3.73656	7.59825	7.594161	7.57715	7.578285	7.569321	7.578269	7.55903	7.567434	7.565319	7.584378	7.590482	7.576627	7.5823	7.604162	7.582311	7.583758
CDH4	cg2161715	0.038376	6.723442	4.024429	0.000983	0.003985	-1.60647	7.623579	7.621644	7.606817	7.61481	7.631105	7.609844	7.604734	7.616866	7.613791	7.616579	7.638932	7.630418	7.630355	7.628829	7.632607	7.62599
DACH1	cg1804120	0.038416	6.632042	3.078829	0.007201	0.020109	-3.65634	7.557637	7.555906	7.555888	7.567057	7.560871	7.559147	7.556728	7.591758	7.564201	7.572408	7.588329	7.581211	7.600082	7.590687	7.600764	7.57216
DKK3	cg0446552	0.038424	7.914159	3.120948	0.006594	0.018722	-3.3999	8.371896	8.356814	8.367863	8.37153	8.345173	8.376471	8.362758	8.385695	8.357179	8.368216	8.383183	8.409155	8.380088	8.416875	8.38503	8.395507
LRIG1	cg0053175	0.038503	6.598628	4.28268	0.000573	0.002569	-1.17094	7.558281	7.547711	7.54574	7.549566	7.550368	7.556658	7.544756	7.541125	7.553476	7.554546	7.57661	7.568683	7.56578	7.567563	7.56246	7.553817
HACE1	cg1883347	0.038523	7.3368	3.316455	0.004372	0.013442	-2.83079	7.970653	7.983736	7.976224	7.967227	7.98206	7.983178	7.967483	7.977696	7.958444	7.985028	8.002819	8.000819	7.981346	8.008947	7.984847	7.990778

FAM172A	cg1725351	0.038535	6.726215	2.639055	0.017879	0.041918	-4.46162	7.613287	7.605258	7.623527	7.621179	7.63758	7.623433	7.613659	7.614134	7.603062	7.623886	7.629556	7.640492	7.645774	7.646791	7.622385	7.607088
WWOX	cg2387734	0.0386	7.910656	2.981821	0.008818	0.02368	-3.68086	8.357827	8.356978	8.373009	8.38216	8.351359	8.363149	8.380884	8.346902	8.388197	8.343649	8.398926	8.393226	8.389393	8.399284	8.376773	8.391074
HOPX	cg0475431	0.03861	7.889988	3.120462	0.0066	0.018729	-3.38642	8.363422	8.351125	8.346913	8.341269	8.337808	8.375161	8.337971	8.351005	8.369932	8.332756	8.388361	8.362634	8.375489	8.367206	8.373192	8.379164
DKK3	cg1235571	0.038704	7.778166	2.983438	0.008788	0.023611	-3.61493	8.257301	8.275265	8.252972	8.255817	8.246481	8.253789	8.277344	8.255282	8.277044	8.302104	8.315562	8.306536	8.296389	8.282659	8.308448	8.313434
FAT4	cg2288269	0.038742	7.96141	3.190369	0.0057	0.016637	-3.27599	8.431331	8.400242	8.416471	8.412882	8.411061	8.435381	8.390583	8.403793	8.380171	8.391475	8.398886	8.424275	8.426988	8.439721	8.411056	8.409743
RHOBTB2	cg0343760	0.038762	7.489962	2.688427	0.016165	0.038745	-4.11688	8.079163	8.062369	8.063185	8.079205	8.080402	8.096223	8.070537	8.065209	8.061699	8.087624	8.105845	8.100731	8.103965	8.110819	8.082832	8.067441
NNAT	cg2294349	0.038772	7.972666	2.651205	0.017442	0.04106	-4.36617	8.431159	8.405041	8.434496	8.447359	8.433928	8.39355	8.389219	8.396525	8.395353	8.422327	8.446095	8.431284	8.425001	8.408183	8.422521	8.434141
NEDD4L	cg2151585	0.038779	7.891635	3.763089	0.001704	0.006218	-2.05332	8.350547	8.338742	8.334694	8.333398	8.31709	8.359047	8.35735	8.365136	8.355902	8.353386	8.387372	8.374469	8.379452	8.387846	8.384765	8.39375
RASSF5	cg1755812	0.038825	7.913979	4.179473	0.00071	0.003056	-1.18257	8.385619	8.364411	8.367986	8.364796	8.366413	8.363331	8.37659	8.35572	8.36858	8.362279	8.381033	8.394954	8.389639	8.38826	8.39662	8.40483
HOPX	cg0515592	0.038846	6.68714	3.190162	0.005703	0.01664	-3.38394	7.587858	7.614373	7.585871	7.581412	7.609602	7.59373	7.585276	7.604697	7.595983	7.596231	7.610177	7.614266	7.617223	7.607624	7.620876	7.612271
CHD5	cg1758355	0.038851	6.718771	3.430454	0.003438	0.011062	-2.85519	7.607807	7.602842	7.604671	7.606934	7.6142	7.611038	7.604751	7.62181	7.61797	7.615005	7.633279	7.640093	7.638849	7.649644	7.625799	7.612711
CABLES1	cg1947662	0.038902	6.63362	4.691195	0.000246	0.001307	-0.2817	7.569664	7.564266	7.571139	7.576763	7.564949	7.571709	7.563275	7.570618	7.563876	7.566901	7.590994	7.592118	7.571678	7.57839	7.585609	7.585097
RASSF5	cg2347658	0.038907	7.872611	3.856667	0.001399	0.005295	-1.84153	8.34206	8.33864	8.340416	8.340708	8.331765	8.34585	8.331911	8.354213	8.321939	8.333543	8.357418	8.346134	8.366126	8.376002	8.356605	8.36951
STARD13	cg0500907	0.038922	6.619237	4.016641	0.000999	0.004032	-1.70882	7.552668	7.550115	7.553753	7.565689	7.559637	7.558057	7.560048	7.555873	7.563828	7.568814	7.588918	7.583094	7.589631	7.577182	7.567882	7.572701
TRIM13	cg1739551	0.038964	7.937267	3.065405	0.007406	0.020562	-3.53047	8.350168	8.369386	8.376085	8.38651	8.342729	8.380363	8.410486	8.391216	8.370642	8.401782	8.4221	8.419026	8.414141	8.425385	8.430251	8.412751
ILK	cg1358507	0.038978	6.64899	3.378836	0.003834	0.012047	-3.02902	7.575101	7.595775	7.576335	7.562628	7.582741	7.578027	7.559314	7.580862	7.575803	7.578967	7.59682	7.579569	7.594092	7.595409	7.588685	7.595536
RASSF3	cg0627568	0.038995	6.664398	4.917843	0.000155	0.000897	0.219428	7.587584	7.57934	7.570737	7.583086	7.58488	7.580295	7.585408	7.58329	7.582622	7.588847	7.610276	7.607775	7.598447	7.603895	7.602078	7.596584
LITAF	cg2223526	0.039	7.917895	3.51213	0.002894	0.009592	-2.58881	8.376854	8.377915	8.367875	8.374294	8.366106	8.376259	8.356487	8.394869	8.356761	8.362251	8.397168	8.383308	8.384487	8.399025	8.390537	8.412387
CSMD1	cg2091170	0.039012	6.613152	4.681327	0.000251	0.001327	-0.31863	7.548737	7.551039	7.566873	7.555804	7.558033	7.556732	7.552573	7.559237	7.557416	7.560192	7.571772	7.576138	7.582427	7.567642	7.582447	7.570121
PTPRK	cg2334746	0.039015	7.952271	2.899506	0.010464	0.027196	-3.86528	8.380506	8.407324	8.41689	8.387953	8.4309	8.406843	8.409997	8.383763	8.37016	8.389787	8.403927	8.422336	8.414672	8.408644	8.427652	8.415853
CUX1	cg2691811	0.039071	7.83169	3.390699	0.003739	0.011798	-2.80015	8.307914	8.307974	8.295736	8.297191	8.327626	8.294584	8.312895	8.296888	8.32907	8.29883	8.337836	8.337999	8.344262	8.325856	8.329253	8.339953
NTRK3	cg0246508	0.039107	6.724979	3.456058	0.003258	0.010562	-2.79899	7.612944	7.615102	7.61304	7.606127	7.612929	7.627252	7.610414	7.620055	7.601608	7.632462	7.643022	7.626988	7.638452	7.643375	7.627131	7.629502
SELENBP1	cg2606590	0.039118	6.613855	4.851229	0.000178	0.001005	0.030034	7.571834	7.559738	7.554679	7.570686	7.560236	7.560703	7.554968	7.555285	7.552108	7.552988	7.580866	7.563318	7.571266	7.574672	7.572531	7.56685
GATA5	cg0377745	0.039124	7.627214	3.108055	0.006774	0.01913	-3.30807	8.16774	8.159376	8.179703	8.19302	8.170159	8.179153	8.157607	8.164197	8.171925	8.144907	8.205411	8.170976	8.193177	8.17464	8.186963	8.177445
CADM1	cg1459197	0.039154	6.709683	2.969797	0.009042	0.024173	-3.81136	7.601561	7.591916	7.602452	7.596084	7.611711	7.609855	7.618768	7.607062	7.615661	7.60033	7.652454	7.615027	7.626787	7.633314	7.612351	7.634517
CUX1	cg2749341	0.039161	7.850604	3.72309	0.001854	0.006677	-2.11094	8.318453	8.335642	8.32955	8.307134	8.328731	8.339339	8.315637	8.306874	8.316355	8.333787	8.354768	8.341649	8.34748	8.336422	8.349237	8.338932
PYCARD	cg0958754	0.039193	7.862775	4.485285	0.000376	0.001842	-0.5134	8.338449	8.33706	8.340705	8.32754	8.337369	8.333469	8.326619	8.334497	8.321629	8.323183	8.36037	8.337493	8.34499	8.364324	8.356014	8.355862
AHNAK	cg1561334	0.039201	7.937852	4.561209	0.000322	0.001619	-0.39246	8.385337	8.400028	8.384072	8.403237	8.389505	8.375862	8.385444	8.381746	8.380486	8.375382	8.406635	8.407585	8.404351	8.409094	8.417502	8.402387
EYA4	cg2287166	0.039201	7.445864	3.102846	0.006848	0.019307	-3.28037	8.040777	8.057263	8.06658	8.029585	8.06236	8.066073	8.038174	8.036717	8.053015	8.026274	8.064703	8.060889	8.051283	8.062081	8.072276	8.063475
RNH1	cg2368746	0.039211	8.012786	3.031635	0.007948	0.021714	-3.63374	8.434367	8.460603	8.437599	8.413156	8.417018	8.440588	8.414664	8.441541	8.448885	8.462865	8.468068	8.46888	8.469361	8.473026	8.464854	8.473471
TCF7L2	cg0236863	0.039226	7.952097	2.693181	0.016009	0.038435	-4.28118	8.409074	8.393484	8.376526	8.387341	8.363255	8.384637	8.386933	8.401568	8.426671	8.383913	8.436876	8.42929	8.40561	8.444288	8.437154	8.409187
CDH13	cg0442362	0.039226	6.618305	2.893694	0.010591	0.027483	-4.04906	7.549432	7.547704	7.552622	7.55893	7.555193	7.580394	7.564726	7.551832	7.561585	7.565311	7.579139	7.589064	7.595862	7.576214	7.567411	7.564953
DDR2	cg1749678	0.039262	7.936223	3.959817	0.001126	0.004442	-1.65864	8.376897	8.396072	8.385024	8.36807	8.386308	8.368011	8.390695	8.368799	8.381846	8.397164	8.408109	8.404773	8.415274	8.408594	8.418569	8.415764
EDNRB	cg1076476	0.039323	7.914359	3.051237	0.007629	0.021038	-3.53803	8.387327	8.35501	8.400808	8.354168	8.393949	8.374804	8.367684	8.34725	8.373213	8.354705	8.390187	8.386835	8.38215	8.39558	8.38329	8.388599
TWIST2	cg0673824	0.039324	7.889653	4.682154	0.000251	0.001326	-0.12084	8.333835	8.338383	8.341572	8.339213	8.354546	8.333011	8.352977	8.354598	8.349153	8.362093	8.392024	8.378044	8.383929	8.375903	8.384857	8.375673
TNFSF12	cg1688685	0.039354	7.93956	2.631741	0.018148	0.042444	-4.3926	8.378878	8.373534	8.36767	8.412586	8.372934	8.382879	8.3915	8.411224	8.367393	8.380511	8.399798	8.419912	8.423117	8.423991	8.389172	8.434148
MYH9	cg0880089	0.039369	6.832729	2.893949	0.010585	0.027474	-3.86755	7.667487	7.6647	7.659099	7.673294	7.666627	7.683797	7.681742	7.685986	7.677125	7.662818	7.716213	7.679543	7.698333	7.678732	7.706465	7.700173
CACNA2D3	cg1560331	0.039391	7.399623	2.780593	0.013379	0.033175	-3.92432	8.01629	8.014259	7.999379	8.005013	8.025424	8.002333	8.033048	8.002145	8.019653	8.01057	8.028299	8.052073	8.040004	8.063106	8.040139	8.017433
TCF4	cg1747077	0.039408	7.917245	2.912887	0.010177	0.026596	-3.82094	8.389884	8.370686	8.365984	8.376075	8.356002	8.39708	8.36355	8.353046	8.364332	8.379202	8.402475	8.394124	8.395223	8.390212	8.409727	8.361541
SYNM	cg1883843	0.039456	7.88509	4.063013	0.000907	0.003728	-1.41207	8.348472	8.351674	8.347081	8.349218	8.340717	8.370324	8.351865	8.333989	8.341898	8.343043	8.362432	8.376503	8.377068	8.379432	8.361792	8.361151
SEMA3F	cg1333326	0.03948	7.714908	3.09231	0.007001	0.01965	-3.36636	8.234045	8.23698	8.23626	8.225374	8.228847	8.228804	8.205977	8.216162	8.231865	8.233721	8.259036	8.259953	8.232799	8.238081	8.228188	8.269358
PIN1	cg2695547	0.039533	6.692341	4.960983	0.000142	0.000836	0.329796	7.593612	7.593348	7.603383	7.601687	7.592397	7.606391	7.595064	7.604294	7.593855	7.598352	7.614072	7.613962	7.623017	7.612024	7.622415	7.613461
UNC5D	cg0538545	0.039564	7.473869	2.979579	0.008859	0.023772	-3.53557	8.068339	8.056662	8.066828	8.070882	8.074727	8.04361	8.043953	8.078591	8.071283	8.05394	8.089346	8.084386	8.078964	8.103093	8.070674	8.091546
CBFA2T3	cg2310448	0.039565	7.417505	3.138502	0.006355	0.018194	-3.20455	8.047364	8.018157	8.031871	8.029	8.047315	8.015904	8.010085	8.021831	8.016396	8.040245	8.055334	8.050117	8.045399	8.047214	8.036836	8.041742
ZBTB4	cg0456758	0.039573	6.667113	2.659856	0.017137	0.04055	-4.47192	7.57633	7.608071	7.592833	7.566861	7.589965	7.596169	7.570312	7.585116	7.593774	7.581771	7.60259	7.601847	7.597088	7.623197	7.592546	7.589765
LSAMP	cg1203517	0.039602	7.885939	3.298773	0.004538	0.013859	-3.01886	8.339203	8.335567	8.344441	8.360611	8.330682	8.34976	8.361583	8.33842	8.363019	8.330407	8.380914	8.389462	8.364258	8.382458	8.359415	8.376643
FOXP1	cg0222028	0.039604	7.899648	3.677504	0.002041	0.007218	-2.23078	8.361944	8.365056	8.367297	8.363703	8.380773	8.348689	8.34504	8.362024	8.363248	8.335395	8.370907	8.379357	8.381422	8.368933	8.377387	8.393777
PTPN12	cg2615238	0.039607	6.768636	3.375485	0.003861	0.01211	-2.93588	7.639875	7.635893	7.630574	7.641377	7.660081	7.654598	7.636956	7.646288	7.633438	7.62742	7.659664	7.651636	7.668021	7.655117	7.645605	7.651219
STARD13	cg1868508	0.039614	7.945442	2.972313	0.008994	0.024074	-3.7152	8.384029	8.415244	8.395629	8.425467	8.381616	8.391897	8.40119	8.370826	8.365384	8.398091	8.400877	8.417246	8.414623	8.414763	8.417948	8.402606
SYNM	cg1971405	0.039634	6.691601	3.777851	0.001652	0.006062	-2.15391	7.599415	7.603884	7.588498	7.604693	7.599435	7.610537	7.595785	7.591311	7.607942	7.58773	7.622299	7.611774	7.624476	7.608679	7.604926	7.613714
NDRG4	cg0204043	0.039674	7.428816	2.886302	0.010754	0.027842	-3.71602	8.041276	8.042262	8.05744	8.042367	8.041705	8.042463	8.0393	8.037411	8.004044	8.023592	8.037681	8.037612	8.034074	8.053783	8.066781	8.071148
RHOBTB2	cg0327480	0.039683	6.643626	3.173668	0.005904	0.017109	-3.4607	7.58371	7.575556	7.562789	7.588526	7.5907	7.562229	7.566633	7.570494	7.571611	7.570295	7.605936	7.584545	7.586062	7.576809	7.582756	7.592184
CTNNBIP1	cg1514137	0.039707	6.601564	2.572686	0.02046	0.046654	-4.70128	7.547081	7.548113	7.544942	7.53785	7.571729	7.565974	7.557416	7.542169	7.536358	7.563431	7.568964	7.584666	7.56778	7.57579	7.549319	7.560327
NEDD4L	cg2294666	0.039725	7.728041	3.339054	0.004169	0.01292	-2.86435	8.216153	8.242203	8.221241	8.230885	8.249348	8.21178	8.240425	8.242567	8.245875	8.224431	8.258816	8.266511	8.267312	8.274188	8.270476	8.250271
NRCAM	cg0149303	0.039727	7.886223	3.057012	0.007538	0.020855	-3.51543	8.343929	8.354747	8.350742	8.313272	8.365171	8.34683	8.358249	8.350035	8.347889	8.332566	8.370794	8.372048	8.355669	8.391376	8.376574	8.380206
RASSF3	cg0100623	0.039751	7.940232	5.145828	9.81E-05	0.000623	0.811757	8.38461	8.382958	8.382185	8.392224	8.39087	8.371732	8.379384	8.389774	8.391422	8.385943	8.415147	8.417672	8.416967	8.408791	8.41389	8.41301
TCF4	cg2510385	0.039761	6.633156	3.086377	0.007089	0.019833	-3.65082	7.576405	7.573444	7.575881	7.585286	7.5799	7.548129	7.567639	7.569378	7.558794	7.558176	7.563599	7.586579	7.579089	7.593575	7.587985	7.579541
PLAGL1	cg2237806	0.039766	7.718171	3.234629	0.005194	0.015478	-3.07627	8.228338	8.231056	8.21602	8.219351	8.223005	8.250416	8.225106	8.229786	8.219141	8.236538	8.256973	8.261276	8.249244	8.26355	8.265184	8.226959
CSMD1	cg0251039	0.039778	6.650774	4.287575	0.000567	0.002549	-1.11136	7.574056	7.581733	7.573679	7.586107	7.563543	7.581536	7.579716	7.571702	7.569453	7.582917	7.596282	7.60015	7.587652	7.597443	7.598587	7.586029
CAMK2N1	cg0044768	0.039795	6.621227	3.257631	0.004949	0.014883	-3.30164	7.543901	7.561444	7.555741	7.559161	7.559188	7.566789	7.575162	7.55476	7.560118	7.561494	7.592359	7.58728	7.571978	7.584176	7.590853	7.560166
LIMA1	cg2294073	0.039819	6.744578	3.016026	0.008211	0.022332	-3.70059	7.641335	7.646587	7.633062	7.625551	7.63624	7.643688	7.598313	7.627	7.625799	7.624242	7.619807	7.64892	7.651128	7.634555	7.639407	7.633531
BMP2	cg1777405	0.039824	6.770001	3.822232	0.001504	0.0056	-1.99401	7.641658	7.643099	7.631429	7.634054	7.641789	7.645556	7.638613	7.652938	7.630275	7.636564	7.647745	7.668996	7.650413	7.669066	7.663162	7.654362
SPRY4	cg0248828	0.039846	6.667282	4.324149	0.000525	0.002393	-1.02448	7.588416	7.585364	7.588345	7.58918	7.602923	7.594939	7.573884	7.594515	7.579931	7.57527	7.596009	7.602076	7.60598	7.597627	7.600717	7.593971
ROBO1	cg0456221	0.039934	7.91564	3.802992	0.001566	0.005809	-1.97798	8.358811	8.367682	8.363746	8.385288	8.364366	8.360395	8.363086	8.366268	8.380854	8.363616	8.393151	8.404576	8.407416	8.385686	8.379579	8.406023
TNFAIP3	cg2249595	0.039999	7.467782	3.067645	0.007372	0.020483	-3.35545	8.057182	8.071314	8.083823	8.056817	8.049943	8.070161	8.056199	8.047801	8.058129	8.055978	8.075669	8.060707	8.080142	8.101975	8.090714	8.065785
FOXP1	cg1416731	0.040016	7.965358	5.256689	7.87E-05	0.000518	1.025233	8.406583	8.404207	8.403597	8.403014	8.400489	8.405469	8.394172	8.412259	8.402619	8.406613	8.429999	8.426989	8.437798	8.431927	8.423656	8.440882
CASC1	cg2224053	0.040034	6.620802	2.848804	0.011622	0.029618	-4.13842	7.559845	7.551043	7.550673	7.568857	7.565976	7.566969	7.556918	7.553916	7.559854	7.572346	7.587964	7.589315	7.591142	7.551855	7.584354	7.570024
WIF1	cg1391279	0.040055	7.449385	2.72278	0.015067	0.036556	-4.04378	8.043105	8.045408	8.068463	8.044368	8.041316	8.044381	8.067175	8.036713	8.051433	8.02648	8.086108	8.052366	8.048598	8.071461	8.084736	8.076726
PER2	cg0148044	0.040065	6.994724	2.632703	0.018112	0.042386	-4.26993	7.766226	7.750469	7.739762	7.781482	7.765682	7.766044	7.759642	7.769284	7.769231	7.773691	7.805505	7.806981	7.794275	7.775597	7.778754	7.774477
NDRG2	cg0487370	0.040072	6.743856	2.820463	0.012323	0.031046	-4.08574	7.615234	7.62497	7.620908	7.622422	7.620432	7.640682	7.616806	7.63234	7.637042	7.618848	7.637418	7.663451	7.650634	7.649523	7.653901	7.618707
LITAF	cg0134896	0.040075	7.86212	5.078974	0.000112	0.000693	0.714508	8.325994	8.337811	8.330729	8.32595	8.336702	8.326383	8.339339	8.323045	8.325555	8.325866	8.350159	8.354076	8.35571	8.3554	8.363389	8.356041
CTNND1	cg0261117	0.040222	7.825035	3.675156	0.002051	0.007247	-2.20153	8.31032	8.294061	8.297496	8.291249	8.301888	8.308644	8.29876	8.302309	8.300771	8.314413	8.33864	8.324895	8.337912	8.323627	8.31161	8.351271
BTG4	cg2404107	0.040239	7.53564	2.736978	0.014634	0.035657	-4.03077	8.118388	8.104999	8.111214	8.084689	8.11909	8.086357	8.086925	8.094764	8.099833	8.129812	8.12553	8.111871	8.14201	8.129183	8.137236	8.122732
STK10	cg0596210	0.040254	6.674822	2.648384	0.017543	0.041272	-4.49567	7.608318	7.597729	7.618309	7.587592	7.613372	7.591364	7.580023	7.580093	7.574941	7.5865	7.6032	7.60394	7.574976	7.59443	7.592565	7.625971
ALPL	cg2294387	0.040272	7.663668	3.211963	0.005447	0.016067	-3.10835	8.198345	8.187489	8.178433	8.197953	8.169625	8.18571	8.189126	8.194972	8.20225	8.182615	8.217242	8.19209	8.238069	8.215861	8.223592	8.22399
RPS6KA2	cg2277612	0.040277	6.766233	3.96567	0.001112	0.004397	-1.69384	7.6364	7.634156	7.633979	7.639255	7.628289	7.648463	7.642366	7.626737	7.636779	7.645684	7.659199	7.660463	7.665176	7.645114	7.66415	7.650758
MCPH1	cg2657148	0.040285	7.963936	4.446698	0.000407	0.001965	-0.6482	8.388982	8.410252	8.406347	8.399668	8.401743	8.390509	8.401734	8.414889	8.403489	8.398793	8.42365	8.432972	8.428826	8.439301	8.425249	8.447388
TES	cg1608754	0.040352	7.96033	3.022645	0.008098	0.022052	-3.62592	8.397985	8.393219	8.38676	8.380752	8.408567	8.403614	8.395286	8.406869	8.425873	8.384707	8.442477	8.428049	8.435932	8.437619	8.399951	8.444252
NTRK3	cg0892149	0.040372	6.775518	2.659134	0.017162	0.040585	-4.37875	7.643957	7.632273	7.641626	7.648522	7.655824	7.627092	7.641035	7.639982	7.655386	7.635795	7.645779	7.677493	7.675876	7.680191	7.644119	7.653391
NDN	cg2506128	0.040382	6.69269	4.423234	0.000428	0.002042	-0.79254	7.598271	7.605192	7.605475	7.606571	7.604158	7.595326	7.591933	7.59621	7.601589	7.592271	7.623313	7.615394	7.606527	7.620388	7.600835	7.620786
TRIM3	cg1443603	0.040389	6.721049	3.751416	0.001746	0.006347	-2.18345	7.627714	7.610314	7.612589	7.606965	7.60787	7.622236	7.601933	7.623831	7.607905	7.615633	7.628612	7.619899	7.638375	7.636676	7.62655	7.639452
EPB41L3	cg0146350	0.040448	7.436989	3.114555	0.006683	0.018899	-3.2569	8.021768	8.010361	8.055303	8.030025	8.043871	8.035794	8.045407	8.052395	8.033646	8.033819	8.064085	8.071433	8.067378	8.079006	8.060869	8.053813
KANK1	cg0309496	0.040478	7.855064	3.408481	0.003602	0.011442	-2.77282	8.344271	8.321214	8.327934	8.314787	8.321954	8.336254	8.301227	8.339633	8.314016	8.332929	8.339374	8.341327	8.362079	8.358764	8.345003	8.350522
PYCARD	cg0986610	0.040501	7.900583	4.920903	0.000154	0.000894	0.370498	8.356563	8.366918	8.357452	8.352187	8.348547	8.351367	8.355454	8.356545	8.351287	8.366869	8.381796	8.386327	8.377404	8.387137	8.397379	8.382632
PTPRJ	cg0629872	0.040536	7.954784	4.48393	0.000377	0.001844	-0.56381	8.404239	8.39706	8.400843	8.402975	8.383218	8.400156	8.383207	8.397914	8.390599	8.407658	8.424228	8.428009	8.418151	8.417188	8.416464	8.434592
ZBTB7C	cg1025135	0.040542	7.260175	2.947986	0.009461	0.025091	-3.57943	7.927997	7.924311	7.917699	7.927561	7.950433	7.941778	7.919613	7.935795	7.912373	7.918138	7.93864	7.958483	7.947268	7.921131	7.95342	7.950889
CDK6	cg2071242	0.040563	6.67166	3.673075	0.00206	0.00727	-2.39074	7.591113	7.593089	7.589357	7.587067	7.586536	7.58495	7.577713	7.587611	7.587176	7.591525	7.60878	7.591947	7.613771	7.606983	7.622435	7.586296
GSN	ch.9.19308	0.040647	6.592176	5.015196	0.000127	0.000766	0.353193	7.539903	7.545567	7.541388	7.551556	7.550544	7.545014	7.543902	7.542112	7.550218	7.547661	7.568666	7.566695	7.573947	7.557261	7.560384	7.559353
RARB	cg1071262	0.040664	6.741819	5.075407	0.000113	0.000696	0.609114	7.611457	7.611721	7.620326	7.621115	7.618363	7.621752	7.632882	7.633502	7.622141	7.624685	7.646832	7.653919	7.642426	7.655387	7.645693	7.643493
GBP1	cg0135537	0.040664	6.595937	3.772931	0.001669	0.006114	-2.24979	7.550468	7.540067	7.541425	7.556894	7.551886	7.552834	7.542066	7.542972	7.553222	7.55013	7.56425	7.580259	7.57622	7.555963	7.557729	7.558828
DUSP22	cg0733256	0.040679	6.65699	3.468352	0.003174	0.010345	-2.83136	7.566731	7.567796	7.576175	7.594091	7.583544	7.579933	7.58795	7.584989	7.561782	7.585822	7.606964	7.599295	7.602284	7.593607	7.593847	7.598239
PTPN1	cg1342941	0.040683	7.718872	4.156537	0.000745	0.003183	-1.14592	8.224938	8.232194	8.217791	8.223343	8.229388	8.228444	8.238553	8.217796	8.222801	8.237826	8.258825	8.258549	8.260044	8.248545	8.242975	8.267734
ZBTB4	cg1357485	0.040695	7.495786	2.713524	0.015356	0.037138	-4.06993	8.064885	8.064584	8.071344	8.091098	8.090187	8.053945	8.075556	8.067073	8.09761	8.076298	8.123116	8.121665	8.106113	8.093685	8.085888	8.09647
ZHX2	cg1008108	0.040727	7.900174	3.946236	0.001159	0.004542	-1.66705	8.381854	8.353845	8.363559	8.347272	8.351972	8.352692	8.348368	8.362262	8.353932	8.356077	8.37215	8.381955	8.372479	8.396185	8.388013	8.388511
MAPK10	cg2457409	0.040731	7.947694	3.762365	0.001707	0.006226	-2.07883	8.396787	8.387148	8.400198	8.413274	8.383311	8.384235	8.385596	8.388526	8.380531	8.400755	8.425993	8.416135	8.412351	8.41234	8.401365	8.435148
TGFBR2	cg1778638	0.040733	6.623862	3.20801	0.005493	0.016172	-3.40756	7.558925	7.565653	7.557174	7.550851	7.579121	7.583292	7.559836	7.560118	7.571139	7.548593	7.582466	7.579999	7.589151	7.570672	7.573336	7.57584
CUX1	cg0927605	0.040758	7.696966	2.729242	0.014869	0.036128	-4.09211	8.207081	8.195879	8.19454	8.236922	8.189273	8.215537	8.21504	8.203993	8.220663	8.226777	8.246705	8.247876	8.270027	8.241507	8.234158	8.220387
DKK3	cg1321605	0.040781	7.716756	2.977416	0.008899	0.023848	-3.59882	8.240077	8.234425	8.239367	8.230169	8.231605	8.265596	8.210282	8.227845	8.210778	8.224563	8.232628	8.233105	8.27124	8.260668	8.228817	8.244914
ADARB1	cg1635857	0.040825	7.916597	3.661725	0.00211	0.007421	-2.27704	8.384998	8.359865	8.34896	8.372622	8.348077	8.367559	8.372637	8.380913	8.372305	8.358205	8.39293	8.384417	8.40725	8.407941	8.406652	8.396491
APC	cg2203550	0.04084	7.512743	2.718257	0.015207	0.036834	-4.06276	8.075171	8.089397	8.079031	8.11136	8.094407	8.098087	8.0844	8.0769	8.088249	8.093991	8.121479	8.125071	8.129163	8.108703	8.077245	8.107089
BMP2	cg2467463	0.040856	6.922907	2.579673	0.020172	0.046135	-4.42923	7.725237	7.72617	7.723247	7.750272	7.724766	7.742036	7.710722	7.710638	7.728359	7.728511	7.765719	7.758638	7.73953	7.720674	7.732199	7.727364
MARVELD1	cg1568135	0.040936	6.688554	3.067164	0.007379	0.020496	-3.63752	7.601566	7.587133	7.59137	7.619723	7.604701	7.588802	7.590687	7.601713	7.585791	7.597919	7.616368	7.615351	7.621016	7.610853	7.624931	7.591554
DLC1	cg1847894	0.040969	7.48776	2.945149	0.009517	0.025222	-3.60903	8.078775	8.058599	8.046862	8.061078	8.044801	8.070747	8.070699	8.093293	8.083821	8.064455	8.109881	8.088952	8.107892	8.108907	8.122183	8.083717
NFKB1	cg2590521	0.04097	7.850286	2.773632	0.013572	0.033538	-4.06405	8.357568	8.329213	8.337842	8.309497	8.32159	8.303577	8.292126	8.321827	8.33024	8.323907	8.333881	8.340815	8.335837	8.364552	8.342996	8.351182
LATS2	cg1815185	0.040989	6.647294	4.546527	0.000331	0.001659	-0.57048	7.573767	7.568092	7.576082	7.56909	7.585799	7.576279	7.570884	7.57494	7.580954	7.56851	7.589965	7.601856	7.595106	7.593034	7.595633	7.581473
C2orf40	cg1432904	0.04106	7.309501	3.348877	0.004084	0.012711	-2.76182	7.977621	7.945997	7.960487	7.946122	7.957941	7.965979	7.938587	7.955353	7.952164	7.971545	7.984401	7.98328	7.980225	7.978631	7.973354	7.971558
BHLHE41	cg1308994	0.041146	6.75878	3.804167	0.001563	0.005798	-2.0379	7.623773	7.623275	7.626773	7.622024	7.635933	7.641952	7.637056	7.640206	7.645786	7.620431	7.66262	7.653457	7.660546	7.655053	7.645561	7.658072
PTEN	cg2246163	0.041152	7.969155	3.171058	0.005936	0.017181	-3.32404	8.425902	8.408736	8.411153	8.376155	8.427142	8.413313	8.403347	8.39901	8.39249	8.42109	8.423862	8.423544	8.442907	8.440283	8.423223	8.442842
IGF1	cg1368971	0.041156	6.925409	3.229211	0.005254	0.015616	-3.12502	7.730999	7.715985	7.745314	7.729403	7.74557	7.716892	7.714797	7.734793	7.721404	7.718911	7.756691	7.742204	7.729247	7.750342	7.744988	7.739109
MFSD2A	cg2690861	0.041168	6.705277	3.11469	0.006681	0.018899	-3.52026	7.595671	7.593315	7.611151	7.607794	7.600341	7.591802	7.593419	7.624329	7.597849	7.614218	7.615186	7.641103	7.622154	7.639371	7.629184	7.615351
PRKCDBP	cg1839278	0.041168	6.997093	3.274642	0.004775	0.014477	-2.97797	7.759961	7.758819	7.764852	7.768723	7.765515	7.771946	7.776251	7.752055	7.774855	7.767829	7.797234	7.809273	7.784487	7.7944	7.771629	7.781019
SMAD4	cg1830042	0.041188	7.974598	3.403341	0.003641	0.011548	-2.84811	8.423907	8.384621	8.400961	8.403958	8.407816	8.421203	8.430618	8.414206	8.394095	8.410349	8.427532	8.437368	8.450771	8.453285	8.431537	8.446797
CST6	cg0234978	0.041206	7.364664	2.651922	0.017417	0.041034	-4.17291	7.992892	7.982936	7.96603	8.006252	7.990405	7.999295	7.992561	7.979637	8.002468	7.993908	8.024296	8.041428	8.031286	8.004585	8.001982	7.997834
SYNM	cg0969635	0.041208	7.831418	3.837383	0.001457	0.00547	-1.86127	8.305907	8.317636	8.299374	8.315274	8.317429	8.3119	8.304927	8.30373	8.319326	8.29014	8.342496	8.345891	8.32088	8.321224	8.324583	8.339815
TES	cg1220543	0.041212	7.888343	3.094152	0.006974	0.019589	-3.44143	8.330389	8.362027	8.360626	8.349642	8.31405	8.352574	8.355051	8.349872	8.333279	8.359888	8.378808	8.364038	8.367825	8.381472	8.379607	8.395551
LIFR	cg2741698	0.041216	7.745498	3.99626	0.001043	0.004173	-1.4942	8.228345	8.234312	8.229992	8.234072	8.245242	8.22469	8.261299	8.242912	8.253389	8.261162	8.288599	8.292119	8.277717	8.294591	8.267287	8.272774
PYHIN1	cg1117752	0.041222	6.655946	3.444702	0.003337	0.010779	-2.88488	7.582467	7.575453	7.57237	7.581741	7.592572	7.58254	7.571284	7.576122	7.57879	7.582448	7.603839	7.600655	7.604556	7.583272	7.609748	7.576288
LIMA1	cg1934279	0.041249	6.628315	4.626647	0.000281	0.00145	-0.41947	7.563203	7.559225	7.562674	7.568055	7.567584	7.565257	7.557132	7.562845	7.568458	7.568756	7.585378	7.587283	7.593974	7.578997	7.585501	7.568768
ATF3	cg1817483	0.041273	6.665642	3.226629	0.005282	0.01568	-3.32833	7.579687	7.571451	7.579138	7.590923	7.595008	7.59081	7.573829	7.584886	7.586424	7.587987	7.610607	7.620466	7.608063	7.599547	7.591253	7.585767
PLA2G16	cg0362701	0.041311	6.610598	4.057187	0.000918	0.003758	-1.6348	7.558487	7.545649	7.550796	7.563127	7.558472	7.560097	7.553516	7.563997	7.556407	7.544573	7.576209	7.580158	7.569535	7.575585	7.558525	7.581012
EAF1	cg2410413	0.041331	7.917415	3.739256	0.001792	0.006479	-2.11636	8.355635	8.347705	8.353309	8.351551	8.368111	8.371727	8.364272	8.376309	8.391799	8.36825	8.410674	8.403524	8.424309	8.393096	8.397283	8.394121

CLU	cg1629276	0.041413	7.946613	3.18572	0.005756	0.016754	-3.28195	8.394176	8.421308	8.388188	8.399069	8.396157	8.363831	8.384394	8.374378	8.399943	8.391482	8.420541	8.414434	8.408712	8.40461	8.415261	8.43474
TANK	cg2505848	0.041472	7.028154	2.682435	0.016365	0.039117	-4.15166	7.799241	7.780712	7.773069	7.777024	7.804635	7.785111	7.775943	7.781433	7.80605	7.77118	7.811218	7.808946	7.810092	7.818488	7.80776	7.779137
BTK	cg1765378	0.041486	6.710671	3.159673	0.00608	0.017535	-3.42412	7.59786	7.616871	7.609306	7.606299	7.582141	7.610695	7.619198	7.593336	7.609156	7.616751	7.637595	7.613856	7.630808	7.626451	7.632101	7.635785
TBX5	cg1746220	0.041503	7.20955	3.697787	0.001956	0.006971	-2.03025	7.893485	7.904361	7.875991	7.897006	7.888252	7.908191	7.90313	7.888034	7.890023	7.891435	7.910481	7.921547	7.925434	7.915759	7.911607	7.916479
DMBT1	cg0504208	0.041522	6.668609	4.256848	0.000604	0.002686	-1.16088	7.585357	7.588518	7.581767	7.600934	7.583303	7.579071	7.593627	7.581846	7.581851	7.580582	7.606713	7.607711	7.595467	7.609932	7.611637	7.592247
TCF7L2	cg1087680	0.041543	7.834163	3.722001	0.001858	0.006688	-2.1086	8.305587	8.314799	8.293817	8.317675	8.279517	8.308385	8.307692	8.311001	8.319843	8.310631	8.344721	8.336801	8.34148	8.325124	8.355561	8.339631
CREM	cg1472695	0.041596	6.697903	2.559403	0.021017	0.047726	-4.63632	7.604491	7.60003	7.596718	7.603932	7.590238	7.606721	7.605621	7.587171	7.579826	7.631073	7.617669	7.617691	7.63546	7.614392	7.635093	7.603266
ADPRH	cg0107327	0.041678	7.772345	3.856944	0.001398	0.005294	-1.79441	8.258794	8.265132	8.254745	8.26022	8.286276	8.259279	8.271086	8.273505	8.255426	8.263148	8.280073	8.297528	8.303703	8.290369	8.286672	8.304036
RB1	cg0215299	0.041683	6.627913	3.046441	0.007706	0.021204	-3.73341	7.568515	7.575348	7.556118	7.554199	7.553414	7.584143	7.566262	7.548242	7.569927	7.568758	7.586466	7.570751	7.598527	7.5778	7.575829	7.585748
RNASEL	cg0561602	0.04171	6.665824	5.103245	0.000107	0.000667	0.598933	7.582669	7.588193	7.576514	7.5793	7.595256	7.589768	7.585073	7.583426	7.578381	7.584363	7.598309	7.609015	7.605599	7.600063	7.601758	7.599323
ARMC5	cg2057590	0.04173	7.925615	2.90925	0.010254	0.026755	-3.83581	8.38929	8.384118	8.364535	8.377928	8.360496	8.356855	8.349448	8.369762	8.396428	8.388323	8.409046	8.409514	8.408101	8.403993	8.377305	8.421665
SIK1	cg0749451	0.041791	6.663049	3.520901	0.002841	0.00946	-2.72014	7.576539	7.575281	7.582254	7.604099	7.594893	7.585517	7.585752	7.578865	7.572471	7.582104	7.602687	7.60606	7.609692	7.602155	7.58854	7.586883
DAB2	cg2690491	0.041805	6.62883	3.366964	0.003931	0.012309	-3.07052	7.554611	7.56767	7.558283	7.561679	7.571626	7.576852	7.564195	7.5659	7.562936	7.563284	7.582709	7.583469	7.597129	7.58244	7.59658	7.558241
VSNL1	cg2750280	0.041818	7.470002	3.773803	0.001666	0.006105	-1.88964	8.066968	8.069601	8.064877	8.058533	8.058656	8.069951	8.07158	8.047808	8.053886	8.051536	8.074207	8.062609	8.096133	8.088108	8.085899	8.085361
HIVEP3	cg1652349	0.041828	6.769265	3.857869	0.001395	0.005285	-1.92027	7.632255	7.648528	7.64302	7.629842	7.639141	7.648864	7.642072	7.624959	7.641644	7.642935	7.653775	7.674695	7.653998	7.656101	7.659968	7.651551
PTPRK	cg1271381	0.041836	7.16743	3.200059	0.005585	0.016394	-3.06738	7.870399	7.856435	7.87352	7.888541	7.87452	7.867996	7.872885	7.854305	7.872377	7.861937	7.900281	7.891335	7.899684	7.896787	7.873132	7.872656
PEA15	cg1119499	0.041876	6.711745	5.774677	2.86E-05	0.000228	1.986202	7.605062	7.61088	7.609986	7.607897	7.616503	7.608726	7.605186	7.603366	7.608684	7.609839	7.630404	7.626625	7.631991	7.623304	7.620732	7.627528
CREM	cg1128454	0.041901	7.932316	2.78419	0.013281	0.03298	-4.08817	8.362848	8.393016	8.36365	8.350814	8.422152	8.385139	8.38234	8.377824	8.379745	8.37701	8.417676	8.420918	8.404344	8.398885	8.405739	8.402663
HIVEP3	cg0820419	0.041924	7.189346	3.460066	0.00323	0.010492	-2.52792	7.882749	7.880487	7.875572	7.885216	7.89801	7.887868	7.87642	7.898106	7.867221	7.873878	7.885519	7.905223	7.912742	7.898227	7.907404	7.907141
PAX6	cg1429354	0.041949	7.928481	2.862602	0.011295	0.028952	-3.92751	8.38615	8.407095	8.402118	8.373104	8.370765	8.365486	8.369864	8.362163	8.374381	8.381752	8.376497	8.407042	8.389456	8.408924	8.393495	8.431591
ZNF366	cg1622120	0.041951	7.633891	4.394	0.000454	0.002143	-0.62371	8.160992	8.174307	8.171695	8.177982	8.165396	8.156887	8.173238	8.168936	8.169832	8.167764	8.201887	8.198097	8.184012	8.204007	8.188664	8.205972
SLC5A8	cg1327145	0.041977	7.531373	2.613923	0.018818	0.043681	-4.26979	8.098408	8.10079	8.091002	8.125079	8.084231	8.108798	8.095409	8.096272	8.131303	8.074013	8.125564	8.13523	8.132606	8.136697	8.104491	8.119163
IGF2R	cg1234598	0.041983	6.670407	4.950897	0.000145	0.000849	0.285581	7.587861	7.591653	7.588443	7.595219	7.59391	7.602	7.578229	7.590277	7.573949	7.584932	7.609813	7.595993	7.605623	7.597292	7.596676	7.603621
TCF7L2	cg2478925	0.041996	7.890033	4.351395	0.000496	0.002288	-0.80667	8.369978	8.358112	8.350092	8.349719	8.373331	8.342879	8.343809	8.351637	8.339373	8.339726	8.371344	8.370696	8.361708	8.379641	8.373452	8.378231
IRX1	cg0923293	0.042	7.879035	4.074736	0.000885	0.003654	-1.38499	8.356473	8.349985	8.336199	8.351835	8.345253	8.324699	8.344442	8.323764	8.354589	8.333071	8.368636	8.371408	8.36301	8.36815	8.366718	8.368717
PCDH10	cg0140865	0.042035	7.347914	2.789651	0.013132	0.032661	-3.90138	7.96614	7.96992	7.97736	7.986736	7.985866	7.986217	7.983857	7.961918	7.988507	7.99072	8.020622	8.015068	8.030583	7.991198	7.984399	7.996578
TCF7L2	cg0759109	0.042036	7.984728	3.705912	0.001922	0.006867	-2.21878	8.413286	8.407013	8.408364	8.43681	8.426282	8.401115	8.413959	8.425129	8.405275	8.430669	8.459591	8.451067	8.450881	8.429388	8.443239	8.455921
KANK1	cg2627723	0.042047	7.673543	2.911009	0.010217	0.02667	-3.72287	8.181896	8.189702	8.197589	8.198039	8.200171	8.21877	8.191871	8.190807	8.177305	8.222178	8.240581	8.236436	8.227374	8.202632	8.214103	8.216968
DLG1	cg0407995	0.04208	6.61996	4.772858	0.000208	0.00114	-0.12351	7.553012	7.570665	7.555678	7.56643	7.559573	7.562444	7.557006	7.558452	7.55952	7.56084	7.580711	7.575843	7.585754	7.587777	7.572138	7.567766
PPP2R5C	cg2057790	0.042093	6.600086	4.341571	0.000507	0.00232	-1.04539	7.541059	7.554959	7.55008	7.548812	7.553828	7.559552	7.553671	7.542871	7.545858	7.551862	7.582746	7.560231	7.569039	7.573075	7.565688	7.555953
PLA2G2A	cg2261112	0.042103	7.574155	3.774423	0.001664	0.006099	-1.90762	8.147779	8.124024	8.130416	8.130748	8.13595	8.153313	8.133515	8.114683	8.125808	8.120454	8.150598	8.143118	8.1609	8.162424	8.144075	8.14123
PPP2R5C	cg2692324	0.042103	7.940314	4.009265	0.001015	0.00408	-1.55721	8.385964	8.361087	8.383946	8.38308	8.392817	8.373069	8.394652	8.392792	8.396694	8.368603	8.420956	8.422099	8.408272	8.429396	8.414199	8.410234
IKZF1	cg0758977	0.042104	7.455298	3.285708	0.004665	0.014181	-2.90656	8.050068	8.045296	8.044297	8.064438	8.042167	8.072736	8.04906	8.054736	8.055795	8.030901	8.081652	8.060275	8.086259	8.07826	8.059452	8.075495
RAP1A	cg0687157	0.042113	7.865353	4.204237	0.000674	0.00293	-1.10768	8.323443	8.324966	8.327648	8.319761	8.314479	8.352696	8.336376	8.339506	8.329661	8.32784	8.363608	8.353148	8.366623	8.359211	8.37214	8.358543
DCN	cg1356281	0.042225	7.486281	2.930165	0.009819	0.025835	-3.63782	8.063611	8.059017	8.06853	8.054098	8.085051	8.064176	8.056544	8.078747	8.056069	8.099245	8.095422	8.11206	8.098205	8.094603	8.112849	8.080396
SIRT2	cg0487453	0.042231	7.717878	4.625959	0.000281	0.001452	-0.16217	8.232603	8.220456	8.2287	8.218858	8.238349	8.228111	8.227368	8.219486	8.231152	8.227564	8.253774	8.258695	8.258682	8.247837	8.263796	8.243118
TMEFF2	cg1338999	0.042231	7.93117	2.944954	0.009521	0.025226	-3.76438	8.393415	8.399109	8.366828	8.373639	8.358658	8.409347	8.375673	8.366864	8.402951	8.356325	8.409907	8.408874	8.395966	8.400638	8.402502	8.410541
RPS6KA2	cg1697403	0.042241	7.663079	4.587019	0.000305	0.00155	-0.22744	8.199569	8.191597	8.199744	8.185721	8.202105	8.193622	8.197655	8.172985	8.186567	8.183997	8.213689	8.209006	8.208547	8.207884	8.221072	8.216623
IRF8	cg0766063	0.042282	7.412228	2.849433	0.011607	0.029593	-3.78876	8.023969	8.031139	7.996406	8.031734	8.030805	8.022017	8.012122	8.027334	8.02165	8.022638	8.071154	8.038864	8.055139	8.050427	8.047971	8.016811
DNAJB4	cg2381112	0.042283	7.469046	3.052191	0.007614	0.021022	-3.38871	8.064603	8.032017	8.054794	8.046692	8.034329	8.075964	8.072273	8.050547	8.066355	8.063065	8.088177	8.088055	8.09737	8.102911	8.072143	8.08713
NTRK3	cg1128643	0.042317	7.571916	4.519103	0.000351	0.001737	-0.34455	8.13247	8.127669	8.139183	8.131347	8.124815	8.133651	8.122122	8.119114	8.136198	8.120215	8.161391	8.153274	8.140355	8.157913	8.145561	8.149513
RNF111	cg0001946	0.042323	6.61342	4.901517	0.00016	0.000923	0.140034	7.550919	7.549511	7.553075	7.558404	7.5555	7.558936	7.553675	7.557799	7.558195	7.560884	7.578747	7.581148	7.584971	7.568942	7.585056	7.563854
CDH5	cg0955345	0.04235	7.559572	3.049759	0.007653	0.021082	-3.4099	8.10644	8.126648	8.132815	8.123294	8.12382	8.113177	8.12605	8.096337	8.120708	8.126678	8.13393	8.165352	8.14843	8.159152	8.137259	8.121807
USP12	cg2541390	0.042358	6.656801	2.66015	0.017127	0.040542	-4.47894	7.576602	7.576525	7.5654	7.590181	7.585376	7.586722	7.578738	7.565945	7.577441	7.590591	7.618126	7.60131	7.608305	7.573977	7.609306	7.577246
RASSF1	cg1985490	0.042377	7.943701	3.561484	0.002608	0.008831	-2.4991	8.392302	8.383925	8.405758	8.379803	8.384535	8.396365	8.366173	8.390468	8.407621	8.378735	8.418609	8.407055	8.424643	8.432521	8.404251	8.404419
TGFBR2	cg2432170	0.042385	6.631198	4.560813	0.000322	0.001619	-0.55577	7.56003	7.569465	7.565099	7.572051	7.569553	7.566769	7.555277	7.567396	7.56717	7.568696	7.60069	7.586798	7.579038	7.584161	7.579699	7.575166
HIVEP3	cg0511886	0.042404	7.523994	2.903812	0.010371	0.027016	-3.69818	8.070146	8.089436	8.093742	8.09411	8.104389	8.078076	8.100159	8.102313	8.081044	8.112479	8.107183	8.136789	8.139248	8.117441	8.10834	8.145467
PCDH9	cg1419343	0.042425	7.87056	3.410759	0.003584	0.011397	-2.77821	8.325845	8.323122	8.332764	8.341966	8.323776	8.340737	8.339712	8.332129	8.362219	8.312707	8.373191	8.375339	8.362781	8.358085	8.349301	8.376025
RASSF3	cg1247205	0.042435	7.921609	4.270247	0.000588	0.002625	-0.99761	8.36301	8.363161	8.373826	8.371151	8.369334	8.359241	8.364196	8.383504	8.379811	8.36984	8.394897	8.41379	8.404197	8.408614	8.384254	8.417229
CBFA2T3	cg0426597	0.042599	7.550781	3.681974	0.002022	0.007165	-2.09735	8.124609	8.128796	8.109178	8.112564	8.114429	8.103504	8.118482	8.105909	8.10159	8.118842	8.124662	8.127653	8.141382	8.146203	8.15704	8.132165
ST7	cg1528609	0.042616	7.436094	3.479013	0.003104	0.010155	-2.50328	8.04464	8.041629	8.041675	8.031791	8.022814	8.016097	8.041172	8.021725	8.04425	8.050394	8.050961	8.068326	8.058532	8.076169	8.066901	8.072451
DCC	cg2138106	0.042651	7.260149	3.767687	0.001688	0.006168	-1.8844	7.920928	7.916549	7.932959	7.907755	7.921944	7.932353	7.917562	7.935129	7.924997	7.927817	7.955157	7.93513	7.955191	7.944079	7.962545	7.955351
RASSF2	cg1961432	0.042711	7.468439	3.990932	0.001055	0.004207	-1.43308	8.060427	8.050667	8.051726	8.070495	8.058654	8.071491	8.060297	8.068704	8.047317	8.050549	8.0909	8.074625	8.081422	8.091249	8.072433	8.08834
PTGDR	cg1948870	0.042754	7.719822	2.949169	0.009438	0.025052	-3.65834	8.248528	8.249005	8.238225	8.233782	8.222619	8.212768	8.20521	8.218545	8.243557	8.231089	8.240463	8.239992	8.271966	8.265406	8.237855	8.261467
PPP2R5C	cg2007002	0.04276	7.82176	4.581226	0.000309	0.001564	-0.29453	8.300407	8.29928	8.296638	8.292223	8.308907	8.312779	8.294423	8.303116	8.306887	8.290005	8.322449	8.33477	8.333341	8.325182	8.335235	8.314702
CAPG	cg0933725	0.042805	6.854772	2.979498	0.008861	0.023772	-3.68188	7.687164	7.67008	7.681126	7.69605	7.683125	7.694664	7.671871	7.702566	7.693149	7.674909	7.694279	7.721474	7.722985	7.710208	7.695243	7.699617
PTPRK	cg0150562	0.04283	7.288993	3.319896	0.004341	0.013384	-2.82105	7.93432	7.926668	7.929002	7.940565	7.941475	7.944565	7.945487	7.958666	7.949284	7.933784	7.981997	7.954914	7.993276	7.956253	7.972382	7.973503
XAF1	cg1775321	0.042845	7.350872	2.940491	0.00961	0.02542	-3.60015	8.00414	7.96943	7.98676	7.988505	7.989412	7.98151	7.976258	7.956631	7.988629	7.995415	8.010786	8.01048	8.020309	8.010039	7.992153	7.985292
FAM172A	cg1864913	0.042858	7.856108	3.32111	0.00433	0.01336	-2.95348	8.3406	8.327925	8.340873	8.355135	8.305533	8.324411	8.311245	8.318628	8.317887	8.329508	8.342688	8.360926	8.339115	8.351751	8.364928	8.332134
RASSF8	cg1452159	0.042895	7.492429	2.703466	0.015675	0.03776	-4.08817	8.057002	8.078111	8.075866	8.084629	8.073198	8.088229	8.059927	8.062813	8.07799	8.089651	8.108413	8.110635	8.118038	8.064701	8.109728	8.084787
MRVI1	cg1729945	0.042954	7.687609	2.752348	0.01418	0.03474	-4.04143	8.202932	8.205305	8.228059	8.211198	8.21068	8.219217	8.208861	8.224119	8.172593	8.200715	8.237661	8.195949	8.225119	8.225807	8.246982	8.246898
SRGAP3	cg0343851	0.042957	6.677018	2.649072	0.017518	0.041231	-4.47508	7.580518	7.589253	7.561503	7.586812	7.596584	7.572236	7.603975	7.576577	7.597384	7.599524	7.606455	7.635053	7.623235	7.609006	7.622331	7.592512
CFTR	cg2663521	0.042965	7.884582	3.7812	0.00164	0.006029	-2.00706	8.343024	8.349669	8.362867	8.345238	8.329008	8.346161	8.345657	8.324561	8.350125	8.354756	8.367133	8.378147	8.374645	8.379069	8.386743	8.354251
LATS1	cg2499435	0.04298	6.62356	3.415305	0.00355	0.011323	-2.96936	7.551322	7.569487	7.555565	7.553103	7.549033	7.556499	7.550684	7.564626	7.571883	7.572668	7.58833	7.571167	7.601101	7.569852	7.585392	7.593612
MRVI1	cg0045057	0.043009	7.974997	4.037669	0.000956	0.003889	-1.51383	8.428045	8.419614	8.400808	8.397726	8.410125	8.399475	8.398812	8.419682	8.42169	8.402436	8.44309	8.431842	8.430619	8.448654	8.43783	8.453123
NCOA4	cg2335981	0.043019	6.661068	3.497225	0.002987	0.00983	-2.7667	7.585895	7.580958	7.571838	7.579025	7.575998	7.579954	7.569989	7.590406	7.587604	7.580964	7.605101	7.601012	7.603627	7.586065	7.593177	7.625922
CASC1	cg0223409	0.043052	6.607099	4.462275	0.000394	0.001912	-0.78431	7.54775	7.547864	7.550907	7.557797	7.556115	7.564301	7.547578	7.553548	7.558765	7.54967	7.572876	7.58442	7.578783	7.569447	7.566036	7.561382
CADM1	cg1301445	0.043079	7.482925	2.670944	0.016753	0.039839	-4.15134	8.067628	8.036918	8.049848	8.061913	8.076344	8.064996	8.06772	8.084923	8.057634	8.079447	8.084381	8.128432	8.101942	8.105442	8.070917	8.105007
GSN	cg0471145	0.043086	7.627387	3.220296	0.005353	0.015843	-3.07825	8.160633	8.170707	8.191796	8.171322	8.182304	8.155429	8.158138	8.146394	8.180038	8.155181	8.205302	8.184727	8.182765	8.169144	8.189699	8.194896
MT2A	cg0473984	0.043093	6.771193	3.055578	0.00756	0.020904	-3.59481	7.627882	7.640533	7.63787	7.661249	7.66853	7.639968	7.635593	7.644911	7.630255	7.632293	7.673349	7.658389	7.661832	7.651333	7.644124	7.652183
ZBTB7C	cg1627213	0.043151	6.606524	4.060766	0.000911	0.00374	-1.63083	7.545966	7.554442	7.548924	7.554622	7.558709	7.557114	7.545316	7.55749	7.553311	7.553435	7.563596	7.579299	7.586462	7.55898	7.564248	7.580687
FBXL13	cg1206098	0.04316	7.979278	3.645305	0.002185	0.00764	-2.34044	8.424122	8.443768	8.421236	8.40124	8.403436	8.42754	8.402116	8.413197	8.404519	8.416332	8.421487	8.439584	8.43218	8.445681	8.440119	8.457163
FHL1	cg2528965	0.043186	7.937637	3.421673	0.003503	0.011215	-2.78601	8.402691	8.387155	8.389603	8.412033	8.387115	8.378206	8.384251	8.367332	8.392025	8.36414	8.410037	8.419354	8.393375	8.414375	8.421066	8.383625
STARD13	cg0665267	0.043192	6.622349	4.216542	0.000657	0.002874	-1.28488	7.557204	7.556279	7.551803	7.563271	7.559512	7.564983	7.56059	7.551485	7.571819	7.564424	7.588289	7.58888	7.592578	7.57109	7.577917	7.573673
MAPK10	cg1745238	0.04321	7.933847	4.868235	0.000172	0.000977	0.245701	8.385587	8.383912	8.379717	8.366361	8.376622	8.389227	8.379447	8.378987	8.378622	8.383016	8.409885	8.414479	8.399793	8.416699	8.397916	8.421954
NR0B2	cg1005547	0.043319	7.881969	4.363714	0.000484	0.002248	-0.77958	8.348101	8.344627	8.350875	8.337694	8.336097	8.337865	8.333049	8.35709	8.333481	8.347038	8.369167	8.366647	8.361825	8.372418	8.372138	8.392764
BMPR1A	cg2659322	0.043342	7.945871	2.813081	0.012513	0.031454	-4.03756	8.394086	8.361007	8.39153	8.405611	8.376733	8.414265	8.402529	8.406728	8.352372	8.389649	8.413484	8.41932	8.414011	8.430815	8.425913	8.404752
ETS2	cg1465262	0.043355	6.643116	4.515841	0.000353	0.001746	-0.64337	7.568516	7.570083	7.5802	7.580064	7.581677	7.589899	7.569379	7.573471	7.564981	7.562116	7.600495	7.585973	7.5851	7.58888	7.589878	7.575652
RAP1A	cg0918498	0.043383	7.930112	3.340269	0.004159	0.012898	-2.95716	8.36438	8.378248	8.377288	8.378051	8.341726	8.383299	8.367317	8.365461	8.399144	8.394099	8.416212	8.423786	8.417353	8.40581	8.395651	8.41146
ERF	cg2224259	0.043411	7.063689	2.763471	0.013859	0.034134	-3.96823	7.811031	7.7976	7.815478	7.81245	7.778301	7.806641	7.813627	7.78885	7.816248	7.806195	7.847852	7.80753	7.82651	7.818363	7.834673	7.84513
CUX1	cg1741961	0.043423	7.897456	4.650136	0.000268	0.001398	-0.18612	8.354008	8.347953	8.372342	8.36009	8.366674	8.363801	8.349249	8.349385	8.341196	8.358129	8.384713	8.388427	8.37414	8.385061	8.380231	8.36418
DLG1	cg2012990	0.043434	7.928466	3.783105	0.001634	0.006007	-2.02434	8.398768	8.389588	8.384745	8.369193	8.382984	8.365895	8.378537	8.372254	8.3794	8.360703	8.391676	8.402813	8.382426	8.412241	8.416628	8.411691
PF4	cg1502098	0.043459	7.920744	3.217341	0.005386	0.015919	-3.20503	8.382157	8.377278	8.357025	8.380501	8.363486	8.352789	8.379544	8.362889	8.400222	8.343786	8.410793	8.395646	8.390689	8.396506	8.407	8.409811
RARB	cg0672042	0.043531	6.686052	4.971117	0.000139	0.000823	0.344212	7.597172	7.586433	7.599053	7.592385	7.598427	7.603049	7.593341	7.594011	7.587773	7.595855	7.613851	7.60429	7.625906	7.609537	7.618667	7.608276
PHLPP2	cg0874412	0.043581	7.896002	4.376022	0.000472	0.002204	-0.75966	8.354512	8.367316	8.364469	8.357539	8.348459	8.344584	8.336507	8.360532	8.355696	8.349474	8.384	8.3663	8.379058	8.395105	8.374746	8.384569
TGFBR3	cg1512489	0.043598	7.818852	4.239314	0.000627	0.002764	-1.00959	8.306106	8.310203	8.294563	8.292113	8.298046	8.295135	8.30518	8.304231	8.290815	8.285178	8.320764	8.311104	8.319593	8.334794	8.325854	8.343574
UNC5D	cg2687213	0.04361	7.390752	3.322329	0.004319	0.01333	-2.82344	8.011103	8.021169	8.010849	8.006517	7.999391	7.999271	8.015486	8.00568	8.005845	8.000871	8.005514	8.032924	8.028057	8.034719	8.042247	8.057326
STAT3	cg1365593	0.04364	6.626308	4.840153	0.000182	0.001025	0.022763	7.558357	7.564743	7.565369	7.567191	7.557203	7.566796	7.553411	7.572981	7.570339	7.553453	7.590027	7.57868	7.579652	7.588281	7.577811	7.582135
AHNAK	cg2681563	0.043664	7.830851	3.99993	0.001035	0.004148	-1.52114	8.314115	8.314845	8.301007	8.290116	8.288144	8.303651	8.307172	8.30218	8.315827	8.308422	8.326927	8.351876	8.320178	8.343572	8.340025	8.346344
PPP2CB	cg1477428	0.043751	7.432565	3.545313	0.002698	0.009082	-2.36449	8.042195	8.011876	8.025417	8.046217	8.023177	8.034749	8.034039	8.034426	8.05254	8.026041	8.068354	8.072585	8.068824	8.06187	8.049889	8.060435
IQGAP2	cg1162983	0.043867	7.280818	3.034143	0.007906	0.021652	-3.40687	7.919757	7.909412	7.930821	7.936802	7.939249	7.930923	7.94356	7.944279	7.929959	7.954936	7.978368	7.987324	7.967516	7.978259	7.94134	7.961551
NR0B2	cg1698565	0.043871	7.268699	3.560682	0.002612	0.008842	-2.31856	7.911343	7.933755	7.928815	7.942814	7.934637	7.92444	7.94058	7.932898	7.938754	7.908395	7.956263	7.963108	7.945881	7.956704	7.960833	7.952055
FABP3	cg0348453	0.043875	7.797745	3.786871	0.001621	0.005965	-1.95236	8.295687	8.289444	8.288013	8.277069	8.27242	8.283584	8.270705	8.291455	8.288708	8.274461	8.317356	8.306279	8.291243	8.30018	8.319727	8.331048
TBX5	cg1631505	0.04388	7.303555	4.020202	0.000992	0.004013	-1.3561	7.944791	7.953518	7.935813	7.93737	7.940578	7.957033	7.96058	7.950214	7.947438	7.965064	7.984675	7.990342	7.971858	7.970453	7.985686	7.988
NGFR	cg1140015	0.043891	7.529799	3.890116	0.001304	0.005019	-1.6561	8.094435	8.116236	8.098302	8.087155	8.101128	8.087632	8.100631	8.100951	8.097897	8.096795	8.106701	8.124098	8.123716	8.131143	8.133779	8.14134
EPB41L3	cg2708218	0.043928	7.198188	2.721517	0.015106	0.036627	-4.0294	7.903493	7.890199	7.877026	7.880885	7.914264	7.885997	7.875765	7.867249	7.907393	7.880367	7.906635	7.909448	7.931286	7.889458	7.908556	7.901284
CYGB	cg0972221	0.043966	7.84574	3.752742	0.001742	0.006335	-2.04921	8.329035	8.293116	8.326512	8.313725	8.320235	8.292325	8.318741	8.316993	8.324221	8.315805	8.343144	8.354428	8.341926	8.365453	8.35156	8.337526
VWA5A	cg2373529	0.044001	6.762174	4.117616	0.000808	0.003398	-1.37746	7.634439	7.631878	7.636472	7.629962	7.658065	7.621327	7.636725	7.634667	7.63662	7.628046	7.660739	7.652777	7.651395	7.658389	7.655773	7.654462
L3MBTL4	cg2532721	0.044008	7.298312	2.897552	0.010506	0.027294	-3.68277	7.955857	7.93727	7.946384	7.944142	7.966034	7.957729	7.937134	7.952049	7.94688	7.950537	7.984985	7.977227	7.978815	7.934698	7.989118	7.971264
PTPRJ	cg0032591	0.044051	7.571877	2.75029	0.01424	0.034843	-4.01428	8.114648	8.122887	8.123608	8.109952	8.149179	8.105632	8.117179	8.13952	8.115997	8.147456	8.182123	8.143437	8.155336	8.170833	8.165074	8.132457
TCF7L2	cg1644932	0.044056	7.907609	4.331658	0.000517	0.00236	-0.86014	8.357757	8.358654	8.369058	8.344664	8.371218	8.357798	8.368144	8.357404	8.353014	8.367421	8.382708	8.404459	8.38111	8.382842	8.39582	8.405369
BMPR1A	cg1220355	0.044063	7.741636	2.884167	0.010802	0.027924	-3.79645	8.260174	8.239676	8.246693	8.230779	8.23476	8.25626	8.263319	8.237554	8.255838	8.211459	8.252993	8.25078	8.282068	8.279881	8.288469	8.274051
CLU	cg2354868	0.044088	6.621152	4.111986	0.000818	0.003434	-1.51261	7.561102	7.567642	7.551691	7.570454	7.563067	7.577215	7.567006	7.550937	7.562032	7.548099	7.574935	7.584139	7.584313	7.581486	7.567536	7.571892
DCN	cg2122608	0.044124	7.884139	2.581936	0.02008	0.045988	-4.45877	8.339701	8.355815	8.342798	8.336385	8.325941	8.34927	8.351491	8.31563	8.335539	8.379036	8.38399	8.358596	8.395139	8.404541	8.358355	8.354305
SASH1	cg1723406	0.044139	7.811191	2.552536	0.021311	0.04825	-4.47913	8.287914	8.28153	8.277199	8.295465	8.2565	8.317285	8.286232	8.282963	8.303005	8.309846	8.33508	8.336075	8.339287	8.307833	8.345125	8.28959
RARRES3	cg2059346	0.044139	7.931363	4.062906	0.000907	0.003728	-1.43711	8.378554	8.379379	8.37586	8.376572	8.403343	8.366585	8.395935	8.3679	8.359654	8.38399	8.401214	8.411345	8.407385	8.41009	8.408292	8.407263
PTPN12	cg2479330	0.044154	6.764571	4.273461	0.000584	0.002608	-1.04661	7.630809	7.629849	7.625819	7.64073	7.647638	7.640526	7.636147	7.635061	7.639161	7.632478	7.659984	7.667479	7.666184	7.645855	7.651173	7.653728
ABI2	cg1566238	0.044178	7.95419	5.029551	0.000124	0.000748	0.565031	8.395203	8.392027	8.381052	8.398479	8.376931	8.37775	8.398108	8.402801	8.393241	8.402924	8.434194	8.422274	8.425207	8.422765	8.441884	8.435175
LSAMP	cg0059489	0.044202	7.207311	3.425976	0.003471	0.011142	-2.59845	7.904337	7.885858	7.903128	7.896252	7.904404	7.897962	7.877571	7.911626	7.884392	7.876508	7.92775	7.903732	7.901669	7.921075	7.918535	7.904246
CUX1	cg0195165	0.044203	7.892118	4.109698	0.000822	0.003445	-1.31898	8.335781	8.353794	8.363768	8.362352	8.350086	8.332914	8.352097	8.356345	8.334862	8.355175	8.373319	8.384985	8.36986	8.392225	8.374953	8.385605
PTCH1	cg2152621	0.044215	6.612562	3.433235	0.003418	0.011004	-2.95361	7.555665	7.561579	7.55407	7.564631	7.579531	7.564767	7.553999	7.546842	7.562822	7.540386	7.587455	7.580139	7.566551	7.554369	7.565919	7.573756
RBMS3	cg0103875	0.044257	6.614469	3.708813	0.001911	0.006836	-2.36667	7.564085	7.548267	7.551761	7.565599	7.549266	7.563859	7.564362	7.560507	7.550652	7.54961	7.559701	7.590799	7.575094	7.570294	7.575165	7.589404
PTCH1	cg2735764	0.044282	7.915093	3.891937	0.001299	0.005005	-1.78995	8.374223	8.366075	8.370433	8.361617	8.362565	8.361792	8.391713	8.349366	8.351176	8.373062	8.400404	8.385022	8.385794	8.410873	8.396558	8.403613
AZGP1	cg2611947	0.044328	7.379325	3.943082	0.001166	0.004571	-1.52297	8.019664	8.004304	7.99656	8.003993	8.012564	8.019385	8.007667	7.98799	7.99543	7.985438	8.007219	8.021023	8.027611	8.029405	8.014023	8.026119
LITAF	cg1100497	0.044334	7.916753	5.579065	4.18E-05	0.000306	1.698104	8.372477	8.3689	8.375267	8.359708	8.370605	8.381193	8.364108	8.366314	8.371881	8.357895	8.396319	8.398572	8.390226	8.393779	8.39283	8.40321
TET2	cg0929538	0.044398	6.723049	5.440671	5.47E-05	0.000382	1.331912	7.612664	7.614844	7.609391	7.61222	7.615655	7.612156	7.607034	7.621123	7.607874	7.619197	7.63157	7.641584	7.633683	7.643182	7.635103	7.626506
HIVEP3	cg1564432	0.04447	6.658686	4.287425	0.000567	0.002549	-1.10114	7.566089	7.561689	7.589563	7.578804	7.579892	7.576565	7.591392	7.574421	7.582087	7.579708	7.605799	7.605806	7.604334	7.608028	7.59985	7.593508
ZBTB7C	cg1243844	0.04447	7.523631	3.025119	0.008057	0.021964	-3.45223	8.100096	8.095489	8.090927	8.099574	8.106977	8.088959	8.088819	8.084329	8.103483	8.093622	8.122722	8.130685	8.132467	8.137336	8.122531	8.078066
HIC1	cg2552067	0.044522	7.843426	4.297285	0.000556	0.002505	-0.89982	8.319891	8.313751	8.308052	8.317462	8.312088	8.321275	8.324775	8.326169	8.312617	8.293615	8.344971	8.336663	8.336662	8.337782	8.351647	8.360556
TGFBR2	cg1999545	0.04454	6.65092	3.871205	0.001357	0.005168	-1.99175	7.588064	7.571539	7.577756	7.572962	7.578143	7.578032	7.567455	7.565344	7.590946	7.572304	7.598918	7.588767	7.608484	7.601418	7.590763	7.581139
IKZF1	cg0510359	0.044547	7.789614	3.456266	0.003256	0.010562	-2.64201	8.285857	8.291127	8.262185	8.280991	8.270648	8.280271	8.263044	8.29886	8.284994	8.254747	8.294832	8.311723	8.298136	8.323549	8.304741	8.299618

GRIN2A	cg1995858	0.044562	6.694007	3.117992	0.006635	0.018796	-3.53005	7.587199	7.596306	7.591922	7.616135	7.619124	7.605255	7.601277	7.598242	7.591361	7.590026	7.631371	7.607303	7.633921	7.618202	7.60854	7.599763
UVRAG	cg1999617	0.044578	7.936169	3.276213	0.004759	0.01444	-3.08692	8.371562	8.414134	8.401164	8.378893	8.392179	8.402218	8.392735	8.381979	8.350937	8.371539	8.395036	8.399255	8.390079	8.424122	8.413346	8.410152
UVRAG	cg0846617	0.044593	7.9385	5.084703	0.000111	0.000686	0.686845	8.384744	8.377456	8.379994	8.370295	8.380767	8.378324	8.374146	8.403193	8.386548	8.379392	8.40567	8.418438	8.415578	8.422346	8.423148	8.416629
BCL6B	cg0670014	0.044597	7.8364	4.504607	0.000361	0.001782	-0.46095	8.301495	8.316292	8.304947	8.330103	8.318575	8.308167	8.304271	8.310055	8.307009	8.308818	8.346695	8.340608	8.345108	8.322342	8.342921	8.330097
IRF8	cg0459994	0.044668	7.212296	2.855083	0.011472	0.029301	-3.76497	7.886114	7.87855	7.902734	7.905902	7.89493	7.892925	7.917763	7.870612	7.881617	7.911523	7.932372	7.924679	7.926354	7.928481	7.902775	7.911626
EGR1	cg0110747	0.044671	7.790307	2.924042	0.009944	0.026112	-3.73656	8.245539	8.269879	8.283887	8.291106	8.259899	8.305217	8.293235	8.264322	8.283931	8.269287	8.317577	8.326834	8.303676	8.301548	8.303505	8.294042
AZGP1	cg1792897	0.044689	7.604704	2.668476	0.016838	0.039985	-4.1809	8.152906	8.156835	8.170756	8.163914	8.127259	8.167811	8.132336	8.128453	8.155028	8.159745	8.146706	8.200784	8.181804	8.185758	8.161287	8.159753
CADM1	cg0007016	0.044705	7.456907	3.068045	0.007366	0.020474	-3.35395	8.051901	8.023387	8.06527	8.063413	8.063977	8.035231	8.057557	8.058959	8.049152	8.033843	8.079488	8.079505	8.077294	8.085789	8.055534	8.087861
SPTBN1	cg0845306	0.044742	7.358594	3.728615	0.001833	0.006608	-1.97224	7.978723	7.998921	7.979518	7.999288	8.002036	7.990257	7.980155	7.98146	7.979326	7.992893	8.025475	8.020578	8.007572	7.993894	8.013036	8.001748
SRGAP3	cg2415291	0.044742	7.908885	4.03891	0.000954	0.003883	-1.47696	8.34914	8.367444	8.369677	8.366029	8.354276	8.360141	8.368831	8.376995	8.346546	8.355331	8.385432	8.397545	8.371832	8.409296	8.394392	8.399353
PLAGL1	cg0431946	0.044831	7.132224	2.802291	0.012794	0.03204	-3.87535	7.873323	7.838458	7.856516	7.828357	7.85342	7.863253	7.856281	7.845405	7.825821	7.84055	7.858268	7.84972	7.865037	7.862502	7.891006	7.876267
HBP1	cg1479920	0.044876	7.421755	3.173291	0.005908	0.017118	-3.13346	8.038533	8.047737	8.032869	8.024102	8.015759	8.05929	8.010741	8.015073	8.030009	8.030669	8.046202	8.045856	8.062692	8.065563	8.033682	8.040554
RASAL2	cg1500781	0.044903	6.675853	2.925239	0.00992	0.026059	-3.94108	7.622033	7.581068	7.584872	7.605179	7.587544	7.601626	7.5894	7.585952	7.578181	7.5793	7.589399	7.603286	7.615957	7.626236	7.593078	7.598971
SSBP2	cg0485882	0.044913	7.975303	3.26498	0.004873	0.014712	-3.13635	8.424255	8.424339	8.400929	8.394746	8.387761	8.400067	8.429563	8.380969	8.424055	8.415792	8.436734	8.450313	8.427457	8.453016	8.454302	8.443263
APC	cg2031150	0.045006	7.568151	3.76958	0.001681	0.006145	-1.91847	8.120704	8.12548	8.12488	8.114424	8.115071	8.12271	8.10357	8.130454	8.117388	8.152207	8.16071	8.157614	8.154987	8.159621	8.147437	8.147386
VSNL1	cg2017638	0.045008	7.799514	2.721412	0.015109	0.036627	-4.14406	8.296294	8.298194	8.296123	8.266346	8.276273	8.263257	8.292817	8.295208	8.271651	8.275633	8.280334	8.297792	8.305748	8.327091	8.337453	8.337724
PRKCD	cg1388900	0.045042	7.841518	4.200801	0.000679	0.002946	-1.1015	8.323934	8.324613	8.315034	8.307549	8.305809	8.310364	8.306404	8.321269	8.302055	8.319915	8.325562	8.351796	8.329769	8.345797	8.348737	8.357545
ABCG2	cg2055800	0.045082	7.957781	3.413133	0.003566	0.011362	-2.81699	8.390269	8.406285	8.377681	8.425855	8.411175	8.384345	8.408758	8.396797	8.373848	8.40326	8.435654	8.422792	8.43334	8.424156	8.435702	8.411986
STK10	cg0666756	0.0451	7.90637	5.354835	6.48E-05	0.000441	1.257076	8.379431	8.367665	8.369156	8.381093	8.374737	8.36935	8.358385	8.351358	8.344531	8.351344	8.382611	8.393723	8.369744	8.387387	8.385307	8.376905
C2orf40	cg1453598	0.045182	7.824305	5.046889	0.00012	0.000727	0.667587	8.298815	8.301268	8.309925	8.318191	8.292248	8.311872	8.292975	8.300819	8.297026	8.302207	8.334803	8.335914	8.325394	8.328663	8.330425	8.318772
EDA2R	cg1437252	0.045281	7.540028	2.855623	0.01146	0.029275	-3.79713	8.116344	8.099707	8.086604	8.094603	8.094987	8.135656	8.092624	8.111811	8.12745	8.08889	8.136817	8.154325	8.134017	8.131397	8.131599	8.115178
CD44	cg0297192	0.045289	7.943255	3.163887	0.006026	0.017402	-3.32825	8.384941	8.397996	8.376957	8.374345	8.391653	8.360147	8.417947	8.376372	8.388079	8.376125	8.401093	8.432385	8.39983	8.429372	8.436746	8.428539
AKT1	cg1566609	0.045305	7.829904	3.356439	0.004019	0.012544	-2.86972	8.307395	8.303574	8.29325	8.308338	8.316036	8.300111	8.28903	8.296114	8.315488	8.319145	8.344188	8.351341	8.347105	8.317624	8.308553	8.346383
VSNL1	cg0665314	0.045321	7.408918	4.893446	0.000163	0.000934	0.456357	8.015617	8.019774	8.02267	8.020099	8.013637	8.014829	8.018038	8.018665	8.027424	8.01287	8.037069	8.041859	8.052153	8.047711	8.043584	8.059499
SETD2	cg0781781	0.045393	6.791288	2.77062	0.013657	0.033718	-4.1435	7.646213	7.629726	7.634508	7.633912	7.642983	7.672414	7.644983	7.65365	7.650333	7.667526	7.679885	7.704768	7.675138	7.67029	7.666418	7.664295
DCDC2	cg0534789	0.045418	7.519216	2.645827	0.017634	0.041454	-4.20663	8.078098	8.083274	8.100362	8.060447	8.08956	8.097109	8.070125	8.088914	8.120294	8.10012	8.131729	8.128685	8.127895	8.148445	8.096465	8.108075
LATS2	cg1595296	0.04556	6.623929	3.205877	0.005518	0.016236	-3.41468	7.565965	7.571325	7.565995	7.587112	7.559381	7.559634	7.56486	7.545316	7.565885	7.552105	7.581224	7.572738	7.586194	7.592754	7.55284	7.583564
RUNX3	cg1158528	0.045621	7.842618	3.516593	0.002867	0.009523	-2.53887	8.31395	8.322232	8.31518	8.335172	8.325925	8.328917	8.3073	8.300099	8.303956	8.320763	8.359855	8.339395	8.347013	8.345143	8.340882	8.302932
NTRK3	cg1323441	0.045639	7.556959	3.260906	0.004915	0.0148	-2.97663	8.11107	8.119684	8.111314	8.130561	8.094358	8.140509	8.116229	8.101719	8.118449	8.124331	8.150974	8.163452	8.146299	8.130171	8.146129	8.128603
SMAD4	cg1067848	0.045643	6.645274	4.031312	0.000969	0.003932	-1.66165	7.579404	7.570204	7.590049	7.588592	7.564748	7.577909	7.559619	7.569939	7.570251	7.574273	7.591259	7.587034	7.594943	7.592766	7.60157	7.572038
LIFR	cg0386447	0.045654	7.508225	3.396035	0.003697	0.011685	-2.68606	8.103445	8.101936	8.083433	8.076357	8.096357	8.076008	8.074717	8.070202	8.095548	8.080268	8.115488	8.087758	8.116611	8.127376	8.107686	8.098266
EDNRB	cg1212074	0.045698	7.906145	4.927216	0.000152	0.000885	0.381335	8.355627	8.375418	8.358052	8.352684	8.357837	8.359624	8.356954	8.357662	8.347835	8.373927	8.395306	8.391679	8.379454	8.400127	8.385504	8.392718
PARK2	cg2141374	0.0457	7.770069	3.924441	0.001213	0.004712	-1.64946	8.276393	8.261371	8.290219	8.270244	8.250541	8.268609	8.260778	8.263177	8.26384	8.245252	8.272842	8.291959	8.280121	8.291116	8.304212	8.293535
THRB	cg2213201	0.045703	7.991849	4.510673	0.000357	0.001761	-0.52214	8.432594	8.423589	8.433821	8.442292	8.449483	8.446499	8.406635	8.432385	8.407659	8.401268	8.450072	8.439739	8.452598	8.435999	8.436708	8.450155
RB1	cg0732081	0.045775	6.626913	3.257375	0.004951	0.014887	-3.30367	7.557279	7.596264	7.555643	7.563699	7.565662	7.567657	7.55164	7.54984	7.575096	7.562545	7.584198	7.578924	7.592036	7.575949	7.575273	7.580033
CTNND1	cg0997055	0.045785	7.901621	6.057197	1.67E-05	0.000148	2.64223	8.356598	8.36064	8.35862	8.355549	8.360667	8.359766	8.350067	8.362598	8.36112	8.344488	8.383353	8.385199	8.387466	8.380769	8.391445	8.389526
APC	cg0895151	0.045789	7.958732	3.695148	0.001967	0.007008	-2.22845	8.38071	8.406879	8.397215	8.415664	8.376231	8.385201	8.395101	8.386564	8.42538	8.392364	8.436634	8.439901	8.434176	8.433224	8.419855	8.428135
ADARB1	cg0536461	0.045814	6.745841	4.899032	0.000161	0.000926	0.243579	7.629082	7.632247	7.625222	7.61749	7.630034	7.631876	7.624109	7.616924	7.619623	7.635205	7.651234	7.650553	7.641831	7.651947	7.648878	7.633802
TCF4	cg2440397	0.045814	6.661776	3.779809	0.001645	0.006041	-2.1761	7.580205	7.597521	7.592831	7.571028	7.572833	7.592836	7.560251	7.581943	7.588545	7.583749	7.602837	7.597027	7.598549	7.59412	7.602867	7.606067
RCHY1	cg2289278	0.045847	7.965138	3.529642	0.002789	0.00933	-2.57449	8.42623	8.419085	8.421164	8.401932	8.392164	8.416764	8.413931	8.375797	8.382169	8.411165	8.419833	8.422742	8.415875	8.423285	8.440716	8.445027
RASSF2	cg0442355	0.04585	7.11635	3.157978	0.006101	0.017584	-3.15861	7.819669	7.839544	7.834295	7.838567	7.845205	7.810965	7.836414	7.825554	7.848583	7.844909	7.881553	7.863648	7.86818	7.866114	7.840505	7.867439
GJA1	cg1749810	0.04586	7.390032	3.851398	0.001415	0.005332	-1.71749	8.017048	8.00741	8.008075	8.006146	7.986501	8.005263	8.007805	8.007433	7.994287	8.019098	8.018554	8.028918	8.030681	8.037814	8.047731	8.046811
GSN	cg0870148	0.045867	6.945369	3.002882	0.008439	0.022828	-3.57164	7.721297	7.736841	7.729065	7.739914	7.743999	7.742053	7.740321	7.726135	7.731899	7.746224	7.785316	7.753753	7.76671	7.741384	7.776908	7.738347
DDR2	cg0045708	0.045872	7.633125	3.399007	0.003674	0.011628	-2.71143	8.180762	8.16513	8.17338	8.157481	8.157185	8.172068	8.182306	8.148901	8.181963	8.157493	8.178983	8.183569	8.217853	8.196475	8.202826	8.205222
PHC3	cg2538051	0.045913	7.931791	3.067587	0.007373	0.020483	-3.51775	8.378265	8.406327	8.394278	8.357544	8.359081	8.369157	8.364038	8.372045	8.371525	8.405192	8.404013	8.398394	8.403246	8.425179	8.429594	8.400846
ARHGEF12	cg0327499	0.045971	6.696652	3.882552	0.001325	0.005077	-1.92701	7.586514	7.610277	7.593714	7.606609	7.608754	7.59632	7.603779	7.596311	7.608446	7.585015	7.618257	7.629241	7.62106	7.630897	7.608762	7.614452
RNF111	cg1957125	0.046028	7.979469	3.153062	0.006164	0.017726	-3.36758	8.410158	8.396103	8.419786	8.390525	8.449825	8.413846	8.408691	8.43036	8.394149	8.41534	8.438993	8.450218	8.444984	8.461037	8.448858	8.423504
CDK6	cg0268929	0.046036	6.796034	4.7123	0.000236	0.001261	-0.10388	7.647797	7.647793	7.652129	7.654455	7.659768	7.649822	7.645945	7.655445	7.663059	7.646704	7.677549	7.679045	7.683213	7.673022	7.681694	7.660197
PARK2	cg1840345	0.046054	7.363645	3.425995	0.003471	0.011142	-2.60627	7.976045	7.982735	7.972175	7.992858	7.980271	7.991043	7.983991	7.985753	7.989635	8.014671	8.029842	8.036037	8.032173	8.007398	8.002596	8.020373
IRF8	cg1865154	0.046104	6.830819	3.47674	0.003119	0.010198	-2.67603	7.673239	7.665937	7.671749	7.679186	7.680511	7.677053	7.661187	7.666083	7.686992	7.664683	7.697181	7.699483	7.709141	7.674763	7.67698	7.700768
FOXO3	cg1515564	0.046189	7.827106	3.006718	0.008372	0.022694	-3.58857	8.30345	8.288942	8.303951	8.274203	8.318046	8.300115	8.281978	8.316767	8.308863	8.314058	8.357725	8.326445	8.335479	8.323082	8.363196	8.31576
SPRY2	cg0842151	0.046231	6.63094	4.990984	0.000134	0.000795	0.339995	7.56157	7.559889	7.5585	7.567891	7.5668	7.565722	7.562084	7.558433	7.568258	7.573206	7.598562	7.590833	7.592769	7.575617	7.583945	7.581142
MTSS1	cg1987547	0.046251	7.653405	3.873411	0.00135	0.005151	-1.72336	8.171196	8.168351	8.188313	8.207234	8.186881	8.167207	8.187223	8.187281	8.170656	8.180233	8.207196	8.221405	8.215884	8.200592	8.21543	8.209156
PIAS1	cg0674071	0.046256	7.5091	3.250446	0.005024	0.015078	-2.98856	8.082646	8.080264	8.085552	8.073028	8.095431	8.090143	8.070911	8.087236	8.095409	8.082039	8.122148	8.116154	8.119626	8.076079	8.113541	8.130868
NOTCH1	cg2555810	0.046265	7.769214	4.490624	0.000372	0.001824	-0.45976	8.250529	8.271914	8.273185	8.269636	8.268354	8.268729	8.267663	8.253595	8.262326	8.250637	8.305098	8.286749	8.277339	8.278778	8.290946	8.299056
UVRAG	cg0149679	0.046288	6.689008	3.108444	0.006769	0.019124	-3.54887	7.592961	7.605501	7.581645	7.60777	7.577319	7.592663	7.602233	7.584404	7.602654	7.595752	7.607586	7.635356	7.617374	7.619361	7.634297	7.597062
PBRM1	cg1082874	0.046308	6.617182	3.620699	0.002301	0.007949	-2.55171	7.56308	7.550772	7.552166	7.557027	7.555503	7.584408	7.551254	7.553812	7.556887	7.561541	7.579594	7.584636	7.590354	7.570538	7.578493	7.560862
RHOBTB2	cg2731701	0.046345	6.696632	4.605597	0.000293	0.0015	-0.40571	7.59372	7.594776	7.618885	7.604964	7.59779	7.597875	7.587911	7.601546	7.606617	7.594553	7.616862	7.61781	7.627453	7.618154	7.623497	7.615645
PEG3	cg0165647	0.046351	7.808247	3.756921	0.001726	0.006292	-2.02242	8.276522	8.275394	8.293554	8.279384	8.282902	8.29849	8.29727	8.294966	8.302184	8.274282	8.342338	8.320813	8.308361	8.330928	8.336374	8.30328
AHNAK	cg0420812	0.046359	7.919288	5.566297	4.28E-05	0.000311	1.669925	8.372137	8.361047	8.365839	8.366642	8.359528	8.381289	8.374936	8.363804	8.366834	8.371501	8.406935	8.405652	8.396929	8.397079	8.409499	8.393282
PIN1	cg1716313	0.046368	7.844071	5.065911	0.000115	0.000707	0.696977	8.323343	8.309511	8.328475	8.324498	8.30849	8.313696	8.310893	8.312058	8.307171	8.32059	8.334815	8.348207	8.34599	8.344861	8.335993	8.35668
CDKN1A	cg1080028	0.046467	7.213259	4.052481	0.000927	0.003788	-1.28503	7.906579	7.908085	7.894949	7.91946	7.90042	7.918843	7.87532	7.899547	7.887526	7.885244	7.92353	7.922276	7.909107	7.904071	7.912079	7.910795
CHD5	cg1651970	0.046482	7.418371	3.405228	0.003626	0.011511	-2.65378	8.043119	8.026356	8.050411	8.020019	8.01978	8.039469	8.027166	8.015736	8.013931	8.020675	8.041988	8.049867	8.01904	8.054003	8.063907	8.058533
LRRC3B	cg0050897	0.046483	7.405544	2.73432	0.014715	0.035791	-4.01529	7.997964	8.029908	8.016657	8.017924	8.042283	8.035431	8.017024	8.040271	7.989963	8.000889	8.025308	8.023132	8.062049	8.04825	8.037219	8.046479
CXCL12	cg1995991	0.046538	7.841718	4.590485	0.000303	0.001539	-0.28549	8.305072	8.326221	8.319875	8.303006	8.304505	8.315584	8.3222	8.308756	8.315934	8.306327	8.346346	8.339804	8.331308	8.344202	8.345429	8.363943
RHOBTB2	cg1844454	0.046594	6.854209	2.962822	0.009174	0.024447	-3.71653	7.68115	7.677645	7.681216	7.688679	7.664053	7.715733	7.694047	7.674649	7.682959	7.685254	7.698668	7.731279	7.706665	7.703856	7.711681	7.696148
MIA2	cg2460394	0.046694	7.921909	3.636879	0.002224	0.007749	-2.33178	8.350128	8.358919	8.37141	8.372789	8.373931	8.371356	8.380327	8.364427	8.363209	8.383855	8.410891	8.424946	8.400619	8.406431	8.372765	8.417809
RARRES3	cg0445856	0.046698	7.914868	4.828583	0.000186	0.001042	0.172721	8.374214	8.371107	8.359855	8.364513	8.368213	8.345546	8.365931	8.363418	8.364712	8.3712	8.397259	8.400283	8.389769	8.386123	8.413254	8.406311
PARK2	cg1537018	0.046717	6.650546	3.587601	0.002468	0.008436	-2.59039	7.574187	7.584711	7.567089	7.580295	7.562883	7.596938	7.567291	7.575189	7.569442	7.58035	7.596299	7.592453	7.607043	7.575136	7.599533	7.600218
ADAMTS9	cg0550186	0.046779	7.799781	4.073955	0.000886	0.003656	-1.34746	8.27406	8.297975	8.27832	8.307348	8.292432	8.283211	8.278893	8.281569	8.269875	8.288433	8.31465	8.318828	8.317832	8.310986	8.317814	8.288234
DIRAS3	cg0231790	0.046834	7.952206	3.538449	0.002738	0.009193	-2.55396	8.397686	8.395665	8.380013	8.401055	8.37261	8.386826	8.373655	8.393767	8.417652	8.393292	8.448869	8.424061	8.42474	8.440419	8.404783	8.421876
CXCL12	cg2626785	0.046886	7.913366	4.666165	0.000259	0.00136	-0.16426	8.354159	8.366369	8.371103	8.346303	8.355912	8.368821	8.365148	8.371438	8.360456	8.369264	8.398112	8.400396	8.385851	8.42159	8.393981	8.395481
NFKB1	cg2733317	0.046898	6.635758	4.220232	0.000652	0.002857	-1.26467	7.55627	7.558805	7.5582	7.574995	7.572355	7.568492	7.564045	7.568424	7.572175	7.568999	7.597235	7.608005	7.591841	7.580453	7.583904	7.581401
GBP1	cg2552224	0.046958	7.8908	4.722953	0.000231	0.00124	-0.03397	8.353218	8.340501	8.35263	8.351722	8.352724	8.331905	8.355405	8.343546	8.345172	8.349911	8.383104	8.38935	8.364578	8.39784	8.377134	8.374225
NDRG2	cg2429323	0.046984	6.807895	3.801574	0.001571	0.005816	-2.00909	7.659621	7.665727	7.645507	7.655035	7.65886	7.671358	7.662873	7.651209	7.659903	7.659707	7.684811	7.672687	7.699601	7.664178	7.678654	7.692445
SIRT1	cg1552962	0.04699	7.986648	4.753724	0.000217	0.001179	-0.01401	8.420036	8.42894	8.429591	8.414734	8.441109	8.446604	8.404571	8.424188	8.407157	8.404211	8.447002	8.448465	8.437743	8.431803	8.448381	8.445746
GSK3B	ch.3.23383	0.04706	6.70967	5.091275	0.000109	0.000679	0.612852	7.593525	7.604151	7.600307	7.610296	7.614103	7.603764	7.614282	7.60601	7.605427	7.600891	7.634174	7.629098	7.633366	7.635451	7.627045	7.61754
EPB41L3	cg1832879	0.047088	6.850722	3.989561	0.001058	0.004216	-1.57961	7.676134	7.674628	7.675021	7.690894	7.693882	7.663028	7.682152	7.678476	7.694981	7.682151	7.711398	7.712117	7.71869	7.697825	7.703772	7.707309
APC	cg1611071	0.047102	7.275909	2.70672	0.015571	0.037565	-4.05942	7.929141	7.939988	7.948033	7.94719	7.976784	7.904671	7.923403	7.919049	7.930959	7.943401	7.958107	7.965764	7.966125	7.961039	7.942281	7.948183
AHNAK	cg0816022	0.047115	7.857263	4.152232	0.000752	0.003204	-1.21632	8.325534	8.308605	8.301295	8.294742	8.310564	8.321313	8.315572	8.340742	8.353178	8.318873	8.368067	8.364447	8.365033	8.368565	8.358194	8.362823
RND3	cg0714473	0.047236	6.632065	6.542527	6.83E-06	7.11E-05	3.401296	7.555318	7.559835	7.558241	7.563244	7.56741	7.563268	7.567067	7.567795	7.565553	7.569237	7.596472	7.588908	7.593746	7.590475	7.582286	7.585858
CDKN1C	cg0440263	0.047295	6.870372	2.839951	0.011837	0.030019	-3.95551	7.674571	7.715253	7.719909	7.702746	7.68336	7.70595	7.668785	7.701741	7.698624	7.68727	7.710311	7.721649	7.706405	7.727726	7.69723	7.716889
PPP2R5C	cg1476706	0.047329	7.91734	4.91138	0.000157	0.000907	0.342759	8.356043	8.372883	8.379926	8.369007	8.358458	8.362616	8.375263	8.369172	8.355714	8.369249	8.402853	8.388127	8.391938	8.400497	8.402017	8.416605
AIF1	cg2421138	0.047333	7.814661	3.747411	0.001761	0.006389	-2.04489	8.311363	8.29939	8.276614	8.282721	8.307158	8.265983	8.291692	8.289433	8.307674	8.292546	8.336307	8.316326	8.324048	8.320886	8.338489	8.329364
PPP2R5C	cg2239580	0.04734	7.865807	4.429365	0.000422	0.00202	-0.63225	8.336305	8.317442	8.32045	8.338975	8.347803	8.347577	8.332411	8.334791	8.320017	8.32103	8.371664	8.362546	8.3617	8.362991	8.349612	8.349436
PTPN12	cg0388747	0.047369	6.625805	3.993002	0.00105	0.004191	-1.7567	7.568055	7.552665	7.560004	7.557131	7.570639	7.571559	7.571886	7.546679	7.569961	7.555292	7.593659	7.575065	7.593359	7.584417	7.57832	7.573835
MARVELD1	cg0490281	0.047413	6.700406	4.499824	0.000365	0.001796	-0.62224	7.59362	7.596459	7.602328	7.597039	7.619059	7.596503	7.594037	7.608406	7.596298	7.604495	7.631199	7.624454	7.624737	7.615323	7.631699	7.614734
SEMA3B	cg1387477	0.047486	7.911239	3.52518	0.002815	0.009404	-2.55892	8.367499	8.359867	8.387547	8.366451	8.357799	8.341497	8.358194	8.36558	8.337201	8.387435	8.391726	8.393083	8.377572	8.403197	8.403016	8.402087
LAT2	cg1230540	0.047503	7.902318	3.625805	0.002277	0.007889	-2.34206	8.371276	8.378266	8.342697	8.371237	8.373524	8.326329	8.342421	8.364612	8.352089	8.354931	8.385343	8.386798	8.377453	8.394979	8.384582	8.389704
CUX1	cg1896517	0.047527	6.643295	4.535896	0.000339	0.00169	-0.59719	7.562568	7.568235	7.583967	7.576359	7.568434	7.576515	7.571128	7.558497	7.576922	7.572553	7.59454	7.59978	7.595662	7.576564	7.592088	7.594429
SRGAP3	cg1220733	0.047533	7.107469	3.770251	0.001678	0.006143	-1.88814	7.838536	7.833716	7.852058	7.855174	7.841612	7.821668	7.835602	7.828111	7.818785	7.814694	7.843524	7.83727	7.848586	7.86521	7.85512	7.855121
ABI2	cg0237557	0.047553	7.841818	5.511815	4.76E-05	0.000339	1.598203	8.301056	8.308788	8.323204	8.314105	8.313177	8.312798	8.317247	8.31354	8.30058	8.321002	8.343488	8.347738	8.346121	8.337043	8.352082	8.347649
PTPN6	cg1354944	0.047569	7.800047	3.063363	0.007438	0.020635	-3.45725	8.287061	8.291613	8.259327	8.316622	8.305946	8.268438	8.285985	8.286316	8.255664	8.292549	8.316982	8.329775	8.306058	8.312221	8.311348	8.297914
EDNRB	cg1284737	0.047582	7.283346	2.550208	0.021412	0.048448	-4.36292	7.951396	7.944352	7.954963	7.952869	7.922526	7.913755	7.949204	7.94613	7.929515	7.923311	7.946775	7.950936	7.939233	7.980846	7.977404	7.996104
PRKCE	cg1777345	0.047619	7.96495	4.651759	0.000267	0.001394	-0.218	8.414916	8.399137	8.419251	8.396576	8.392677	8.407583	8.406648	8.401454	8.402196	8.38748	8.420524	8.42961	8.422381	8.450569	8.434565	8.440111
TP53BP2	cg1309465	0.047637	6.979806	3.927259	0.001206	0.004694	-1.62701	7.770173	7.759751	7.7714	7.753638	7.745747	7.746218	7.746624	7.759848	7.751088	7.75754	7.767759	7.775332	7.767052	7.79457	7.786543	7.784572
PAX6	cg1403783	0.047657	7.877222	3.998087	0.001039	0.004161	-1.54464	8.332002	8.336525	8.344378	8.345358	8.369854	8.337465	8.338122	8.331188	8.340718	8.32722	8.367804	8.381019	8.372291	8.346932	8.356405	8.378944
STARD13	cg1337001	0.0477	7.911172	4.314367	0.000536	0.002431	-0.89833	8.366372	8.375099	8.361438	8.371379	8.349149	8.345203	8.355875	8.375793	8.350455	8.370274	8.398123	8.380307	8.388257	8.400248	8.400405	8.410513
LSAMP	cg0560172	0.047707	7.896183	2.811574	0.012552	0.031538	-4.01292	8.340403	8.358411	8.34113	8.347302	8.392518	8.361333	8.341006	8.365637	8.339402	8.348256	8.395686	8.403366	8.367591	8.378913	8.399942	8.344623
EPHB6	cg1225182	0.047812	6.629353	4.433572	0.000419	0.002006	-0.82555	7.565972	7.562974	7.569621	7.561025	7.564683	7.57611	7.564294	7.553794	7.562914	7.565723	7.587624	7.600236	7.571762	7.591401	7.585473	7.568278
KLF5	cg0433936	0.047833	6.635653	5.84648	2.49E-05	0.000204	2.067565	7.563598	7.560787	7.558291	7.566841	7.571348	7.56766	7.568059	7.566442	7.570113	7.567677	7.598204	7.587542	7.599371	7.590118	7.588997	7.579496
CDKN1C	cg0666268	0.047836	6.636759	5.63319	3.76E-05	0.000281	1.645293	7.568257	7.56105	7.564675	7.56968	7.575862	7.565054	7.563791	7.568073	7.565935	7.571757	7.596158	7.590744	7.5941	7.592097	7.575847	7.590564
RASSF5	cg0101749	0.04789	7.755936	3.919434	0.001226	0.004751	-1.65532	8.260807	8.271463	8.269073	8.255598	8.240406	8.243817	8.241444	8.247548	8.256259	8.251165	8.274046	8.25614	8.292894	8.290278	8.281801	8.292405
ITGA5	cg1669928	0.047896	6.855815	3.751692	0.001745	0.006345	-2.0799	7.682323	7.683531	7.675292	7.695302	7.689449	7.690771	7.69992	7.688175	7.663317	7.686185	7.7152	7.717296	7.690853	7.702679	7.71645	7.711013
EGR2	cg2060084	0.047905	7.272068	2.979052	0.008869	0.023789	-3.51738	7.943097	7.937185	7.937242	7.920452	7.956908	7.918435	7.917695	7.942291	7.933463	7.9196	7.935496	7.954361	7.96678	7.960672	7.939056	7.982678
PTEN	cg2404383	0.047912	7.963876	3.214994	0.005413	0.015985	-3.22839	8.416604	8.410819	8.404509	8.384432	8.429362	8.423929	8.383006	8.400007	8.374438	8.419186	8.436801	8.418919	8.436906	8.443949	8.400045	8.430381
CHD5	cg0311547	0.047965	7.837086	4.721903	0.000231	0.001242	-0.01148	8.310836	8.308336	8.303985	8.309071	8.2822	8.307499	8.30484	8.304755	8.332012	8.3091	8.349514	8.339942	8.351386	8.342726	8.344311	8.34531
PTPRJ	cg0380874	0.048007	7.896435	3.818219	0.001517	0.005642	-1.93413	8.339907	8.357686	8.388161	8.363331	8.340759	8.348499	8.358063	8.343989	8.35382	8.340131	8.368827	8.388573	8.369538	8.38532	8.38926	8.392245
RUNX3	cg1808726	0.048026	7.859518	4.743746	0.000221	0.001198	0.024136	8.315087	8.321552	8.315987	8.331844	8.315827	8.337512	8.324103	8.32935	8.328437	8.324642	8.371052	8.354688	8.369964	8.339238	8.360823	8.362609
TP53BP2	cg1174583	0.04803	7.658085	2.876549	0.010974	0.028266	-3.7886	8.174127	8.165248	8.210082	8.145579	8.187264	8.190163	8.197201	8.187272	8.188292	8.177062	8.20166	8.198882	8.230653	8.215021	8.244686	8.223293
IQGAP2	cg0859550	0.048082	7.617603	3.923371	0.001216	0.00472	-1.6086	8.148242	8.155105	8.15988	8.125888	8.163496	8.161993	8.149582	8.173241	8.14492	8.168205	8.186463	8.195495	8.181172	8.186476	8.198832	8.192963
NAPEPLD	cg0890566	0.048125	7.180265	4.54863	0.00033	0.001652	-0.24718	7.889399	7.884532	7.879135	7.880893	7.891161	7.885206	7.85715	7.880568	7.858569	7.874593	7.901895	7.883955	7.899953	7.900816	7.887947	7.896647
NR2C2	cg1071670	0.048143	7.835037	4.813449	0.000192	0.001066	0.182454	8.319707	8.314143	8.307788	8.302262	8.331087	8.301467	8.298837	8.304359	8.317247	8.298768	8.346472	8.328531	8.341344	8.334217	8.341331	8.334413
KANK1	cg1582885	0.04816	7.139792	3.906924	0.001258	0.004868	-1.59487	7.850468	7.840812	7.853705	7.851606	7.845027	7.865962	7.842271	7.856592	7.832755	7.863032	7.887199	7.869804	7.880319	7.883093	7.87332	7.861583
TGFB1	cg2754036	0.048176	7.743846	4.21734	0.000656	0.00287	-1.02495	8.258835	8.246416	8.245141	8.250364	8.232745	8.233316	8.222186	8.241253	8.263805	8.244419	8.281024	8.277368	8.273301	8.280836	8.265792	8.272625
RHOA	cg1677167	0.048181	7.592696	3.875692	0.001344	0.005138	-1.70293	8.127196	8.135241	8.116179	8.143176	8.123472	8.134466	8.151322	8.128392	8.146753	8.155254	8.198601	8.175269	8.178804	8.160958	8.181787	8.164189
DOK3	cg0839427	0.048208	7.700972	4.930313	0.000151	0.000881	0.471025	8.21177	8.211236	8.207801	8.204037	8.212401	8.20987	8.216376	8.207898	8.218466	8.221815	8.251029	8.24855	8.249661	8.235125	8.237158	8.267449
FOXP1	cg0290098	0.048233	6.59358	2.998219	0.008522	0.023008	-3.86806	7.542219	7.540341	7.541573	7.573894	7.539349	7.563917	7.555081	7.540356	7.535646	7.537353	7.588543	7.551487	7.568706	7.558355	7.571829	7.547659
EPB41L3	cg0244335	0.048248	7.184387	3.432594	0.003423	0.011015	-2.58522	7.883575	7.871013	7.865149	7.86269	7.884578	7.873805	7.874787	7.886439	7.873391	7.879877	7.922991	7.885395	7.901483	7.921247	7.921487	7.885774
TOM1L2	cg0982923	0.048265	7.326839	4.669682	0.000257	0.001353	0.001311	7.9555	7.963572	7.97171	7.96881	7.975755	7.968739	7.960503	7.971268	7.959195	7.965858	7.991055	7.990853	8.005052	8.000327	7.978177	7.993424
DNAJB1	cg1571226	0.048315	7.617867	3.591967	0.002445	0.008365	-2.30428	8.148052	8.166683	8.147914	8.145982	8.178876	8.149515	8.173711	8.145799	8.151142	8.157073	8.192602	8.184046	8.193014	8.206917	8.164797	8.188642

IRF8	cg2065610	0.048325	7.095691	4.217343	0.000656	0.00287	-0.94906	7.834954	7.81979	7.806379	7.826838	7.829647	7.814913	7.824656	7.818349	7.828769	7.823231	7.855909	7.847877	7.857838	7.853189	7.855989	7.833612
TGFBR3	cg1032499	0.048345	6.70355	4.017684	0.000997	0.004027	-1.63836	7.610379	7.611092	7.598963	7.617755	7.599168	7.605546	7.584762	7.596246	7.617882	7.598777	7.631378	7.629086	7.627668	7.621246	7.611615	7.615549
ALDH1A2	cg0497838	0.048372	7.837009	6.087262	1.58E-05	0.000141	2.72949	8.308255	8.308907	8.309861	8.307913	8.310055	8.319168	8.302727	8.311495	8.309226	8.309174	8.335219	8.34788	8.348222	8.34314	8.342451	8.330832
NNAT	cg2456450	0.048393	7.881751	4.790772	0.000201	0.001106	0.111042	8.336575	8.348938	8.346876	8.334399	8.331883	8.3409	8.332125	8.341876	8.347159	8.346009	8.375083	8.383321	8.365634	8.380896	8.355988	8.390899
SRGAP3	cg2250297	0.048404	6.777082	3.318416	0.004354	0.013409	-3.03836	7.63164	7.62579	7.624346	7.640309	7.655984	7.612832	7.65219	7.644127	7.649459	7.644894	7.678653	7.670856	7.677714	7.676499	7.648179	7.679554
PDSS2	cg0513667	0.048431	7.456584	2.962054	0.009189	0.02448	-3.57019	8.020467	8.039819	8.056519	8.044277	8.04082	8.003408	8.03697	8.049399	8.058168	8.087286	8.086809	8.095299	8.092902	8.092324	8.073846	8.08784
NEDD4L	cg0527697	0.048456	7.386409	3.788768	0.001614	0.005947	-1.84913	7.997045	7.990105	7.998709	8.019233	7.991609	7.992429	8.008119	8.00849	8.002713	8.006843	8.056718	8.031022	8.026128	8.01478	8.045798	8.042707
FAM172A	cg0589304	0.048458	7.442307	3.017627	0.008184	0.022263	-3.45388	8.03294	8.036498	8.028757	8.058441	8.0614	8.048549	8.036905	8.047215	8.00634	8.056866	8.071352	8.068853	8.085126	8.070671	8.060997	8.043873
IKZF1	cg1911561	0.048463	6.865604	3.542735	0.002713	0.009119	-2.51727	7.69485	7.683708	7.692008	7.707366	7.705394	7.719447	7.696793	7.684624	7.674134	7.681794	7.717126	7.726334	7.699471	7.700764	7.697446	7.714056
RCHY1	cg2135953	0.048507	6.839015	3.498505	0.002979	0.009813	-2.62676	7.678816	7.690154	7.671936	7.692272	7.694421	7.665606	7.659892	7.68436	7.67913	7.663183	7.699739	7.705334	7.688354	7.704939	7.703555	7.67605
MLH1	cg0556063	0.048529	6.643301	5.109574	0.000105	0.000661	0.596236	7.56501	7.56185	7.56284	7.570368	7.567633	7.574903	7.568091	7.56867	7.57966	7.574805	7.601711	7.597311	7.608928	7.594565	7.586183	7.586123
AHNAK	cg2605521	0.048621	6.59032	5.671932	3.49E-05	0.000265	1.675929	7.537562	7.54024	7.55976	7.547349	7.549847	7.557604	7.544068	7.543747	7.536231	7.536714	7.565491	7.557507	7.566322	7.561625	7.561952	7.562877
CUX1	cg2544543	0.048654	7.831839	3.196168	0.005631	0.016477	-3.20426	8.295013	8.283295	8.291873	8.306352	8.306507	8.311271	8.315628	8.294303	8.341648	8.28528	8.354037	8.36521	8.343015	8.339631	8.326015	8.327218
FOXO3	cg2748338	0.048673	7.555358	2.5997	0.019369	0.044663	-4.30578	8.092628	8.09965	8.094265	8.093618	8.089726	8.116486	8.118716	8.133881	8.102268	8.142789	8.151786	8.151952	8.164481	8.138088	8.204712	8.123322
PTPRK	cg1091728	0.048676	7.817728	3.526736	0.002806	0.009382	-2.50651	8.287299	8.302148	8.28993	8.335544	8.309734	8.285124	8.287009	8.29454	8.306152	8.278659	8.333751	8.327248	8.338561	8.322672	8.314836	8.311518
NEDD4L	cg1646701	0.04868	7.941516	3.488905	0.003039	0.009982	-2.65205	8.355729	8.392819	8.394501	8.35792	8.38132	8.403401	8.400136	8.389596	8.359347	8.395581	8.41439	8.417277	8.412714	8.422561	8.432532	8.42238
TGM3	cg1912332	0.048692	7.671383	2.967325	0.009088	0.024281	-3.60882	8.192332	8.175857	8.188601	8.21097	8.200495	8.198327	8.178604	8.186421	8.184377	8.220124	8.253647	8.231374	8.237559	8.193984	8.21706	8.213178
CUX1	cg2164711	0.04875	7.88339	4.859211	0.000175	0.000993	0.253947	8.352248	8.335883	8.350675	8.351727	8.342943	8.353248	8.348533	8.344178	8.340766	8.321776	8.354782	8.371151	8.381846	8.380191	8.368344	8.378958
PTPRK	cg2065100	0.048844	7.958202	3.563478	0.002597	0.0088	-2.50197	8.422696	8.390827	8.416814	8.399868	8.395835	8.379557	8.39615	8.38353	8.410943	8.383439	8.424373	8.424493	8.415549	8.432391	8.413726	8.456708
SH3GLB1	cg0155717	0.048847	6.645062	3.995585	0.001044	0.004175	-1.7351	7.566389	7.576359	7.55952	7.568618	7.584482	7.59447	7.573144	7.568049	7.571658	7.565015	7.597189	7.596209	7.604847	7.58826	7.587606	7.581305
MAPK10	cg2272277	0.048851	6.752458	2.785254	0.013251	0.032915	-4.14701	7.611846	7.606549	7.61674	7.640209	7.636127	7.635801	7.620399	7.645412	7.62199	7.634678	7.645657	7.678966	7.674678	7.638707	7.641933	7.648915
DAB2	cg0118023	0.048917	7.383677	3.216794	0.005392	0.015933	-3.04095	8.003247	7.993969	8.004872	8.003031	7.995001	7.985811	8.00084	7.994617	8.042926	7.977529	8.032024	8.037322	8.02824	8.038086	8.042261	8.024554
TGFBR3	cg0038080	0.048962	7.850862	3.088544	0.007057	0.019767	-3.43202	8.334176	8.321233	8.35292	8.297479	8.308672	8.310147	8.312783	8.328927	8.305987	8.323055	8.344995	8.335318	8.3249	8.365296	8.363722	8.374001
PCDH9	cg2088592	0.04903	7.935644	2.57018	0.020564	0.046845	-4.50535	8.378934	8.422338	8.398654	8.361318	8.347782	8.418104	8.356005	8.358847	8.405479	8.380196	8.419001	8.404613	8.404104	8.413921	8.39636	8.418201
TET2	cg0091148	0.04905	6.614229	3.660109	0.002118	0.007443	-2.47467	7.553848	7.552571	7.55921	7.565163	7.584168	7.557767	7.549028	7.547795	7.554791	7.554902	7.582412	7.580999	7.587528	7.579088	7.556042	7.561167
IQGAP2	cg1058687	0.049062	6.802649	4.132831	0.000783	0.003321	-1.31951	7.64871	7.657633	7.666838	7.664363	7.684238	7.665184	7.652578	7.649105	7.649719	7.648945	7.676633	7.675282	7.692657	7.664731	7.671177	7.667901
PCDH9	cg0502236	0.049108	6.650895	2.942508	0.00957	0.025337	-3.91969	7.564901	7.560644	7.560936	7.586489	7.577102	7.578328	7.561108	7.580002	7.578929	7.585574	7.634363	7.598818	7.605185	7.590495	7.584858	7.58512
MAPK10	cg1912450	0.049116	7.901987	2.933065	0.00976	0.025736	-3.77481	8.340223	8.328539	8.347919	8.373518	8.371446	8.364708	8.360971	8.341079	8.348129	8.374304	8.408442	8.408256	8.409516	8.366858	8.387585	8.361442
MXI1	cg1301734	0.049117	7.759533	4.676403	0.000254	0.001339	-0.07011	8.249566	8.255838	8.257312	8.259343	8.265539	8.24704	8.252114	8.264156	8.255749	8.241027	8.270789	8.282506	8.298676	8.28909	8.300454	8.276448
ING4	cg1697727	0.049133	7.841321	4.484676	0.000377	0.001843	-0.5048	8.33681	8.322829	8.319059	8.312161	8.305966	8.300244	8.313107	8.298666	8.31408	8.312057	8.331912	8.340883	8.334282	8.360144	8.346977	8.344755
GPC3	cg0007947	0.049195	7.665291	4.63013	0.000279	0.001443	-0.13925	8.186389	8.188492	8.194982	8.18636	8.205017	8.181321	8.194841	8.177266	8.182276	8.19698	8.217112	8.227774	8.221856	8.214813	8.234344	8.205353
THRA	cg1991921	0.049207	7.840173	5.464401	5.22E-05	0.000367	1.50652	8.313084	8.31638	8.323478	8.317326	8.315831	8.323835	8.307108	8.313889	8.296905	8.309418	8.333208	8.355264	8.328111	8.337998	8.340785	8.348006
CDKN1C	cg2322514	0.049294	7.580437	4.270026	0.000588	0.002625	-0.86833	8.122356	8.131712	8.121031	8.147974	8.132738	8.145775	8.136313	8.141331	8.117051	8.123435	8.165057	8.174935	8.155898	8.166357	8.150982	8.154429
CREM	cg0265182	0.049363	6.605215	4.439182	0.000414	0.00199	-0.83422	7.54105	7.553874	7.561468	7.552969	7.547948	7.551873	7.538231	7.560367	7.551214	7.552014	7.585862	7.575581	7.559768	7.584436	7.572614	7.56271
PLAGL1	cg0469696	0.049452	7.752346	2.991691	0.008639	0.023268	-3.5847	8.247197	8.25606	8.239323	8.241757	8.266194	8.231086	8.236016	8.236506	8.280341	8.248789	8.280721	8.283841	8.310119	8.272957	8.253183	8.301389
RCHY1	cg1354002	0.049455	6.627323	4.39228	0.000456	0.002147	-0.91255	7.558843	7.557891	7.556421	7.571238	7.566657	7.568479	7.55238	7.558525	7.564207	7.571305	7.596404	7.593276	7.593905	7.571903	7.577149	7.576645
EYA4	cg0180528	0.04955	7.370894	3.444986	0.003335	0.010776	-2.5669	8.012734	8.005028	7.977174	7.996979	7.980398	7.985396	7.996814	8.002269	7.993298	7.98094	8.006694	8.015432	8.012337	8.04176	8.021576	8.043206
ALDH1A2	cg0916294	0.04961	7.394162	2.81848	0.012374	0.03116	-3.8482	8.028103	8.023878	8.015622	7.981244	8.009952	8.005091	8.012187	7.995999	8.013166	8.005183	8.00388	8.049787	8.025484	8.065655	8.02695	8.050659
STAT3	cg1189737	0.049615	6.646033	5.326706	6.85E-05	0.000462	1.040101	7.565639	7.564928	7.57134	7.575865	7.56835	7.5691	7.568487	7.571591	7.575478	7.578288	7.611207	7.591024	7.601435	7.602662	7.593487	7.582553
NRCAM	cg0689134	0.049631	7.553232	3.087312	0.007075	0.019799	-3.33199	8.120846	8.121282	8.11151	8.106365	8.108626	8.117974	8.099549	8.11782	8.112198	8.117005	8.125984	8.148142	8.149115	8.171275	8.103591	8.162718
FOXP1	cg0756478	0.049669	7.878386	3.478785	0.003105	0.010157	-2.63877	8.362995	8.35421	8.336892	8.313222	8.320305	8.350334	8.320278	8.334126	8.359846	8.336145	8.363902	8.371395	8.366985	8.390185	8.364543	8.374622
NCOA4	cg1752298	0.049748	7.216159	4.17299	0.00072	0.003089	-1.03181	7.898902	7.904909	7.897536	7.896372	7.892323	7.882562	7.900668	7.888491	7.908775	7.88644	7.924525	7.905084	7.933824	7.934386	7.919729	7.932497
NDRG2	cg0390707	0.049774	7.017216	2.974542	0.008953	0.023969	-3.58083	7.783632	7.777467	7.786259	7.763672	7.769319	7.810649	7.792679	7.750775	7.762728	7.787573	7.801865	7.807219	7.793812	7.79235	7.815443	7.792003
SEMA3F	cg0566923	0.049793	7.595131	2.842558	0.011774	0.029885	-3.8374	8.131785	8.139047	8.127036	8.142209	8.128575	8.157212	8.129842	8.123264	8.171835	8.146379	8.185717	8.210969	8.177465	8.168723	8.150286	8.157283
EYA4	cg1871422	0.049818	7.454207	3.261917	0.004904	0.014788	-2.95663	8.054644	8.040201	8.035325	8.046995	8.054194	8.009169	8.047168	8.044944	8.032389	8.08093	8.079866	8.074707	8.084981	8.075731	8.090308	8.08885
IKZF1	cg2678903	0.049854	7.350908	2.659628	0.017145	0.04056	-4.15615	8.00363	7.996348	7.976507	8.01042	7.963933	7.974845	7.963945	8.009353	7.974703	7.956209	7.989941	7.989183	7.997667	8.031686	8.012635	8.0156
MYO1A	cg2261453	0.049872	7.693443	4.600609	0.000296	0.001514	-0.21113	8.201518	8.20378	8.181216	8.20108	8.18635	8.187775	8.207596	8.217668	8.222429	8.21911	8.259705	8.254341	8.237327	8.264878	8.23637	8.246688
RASSF8	cg2167267	0.049906	7.872638	2.797184	0.01293	0.032298	-4.02958	8.370804	8.307533	8.347013	8.347459	8.311046	8.344774	8.324617	8.322246	8.363116	8.317472	8.382011	8.36898	8.354202	8.372865	8.341693	8.378169
MCPH1	cg0671906	0.049907	7.901449	4.176643	0.000715	0.00307	-1.1773	8.364892	8.373249	8.361651	8.359767	8.400875	8.368819	8.347942	8.355652	8.345696	8.330286	8.381743	8.364085	8.394961	8.379891	8.374269	8.382235
CREM	cg1903361	0.049932	7.90109	3.783224	0.001633	0.006007	-2.00879	8.361838	8.377748	8.368295	8.374021	8.32724	8.372836	8.331724	8.354518	8.365881	8.344673	8.369724	8.390123	8.388232	8.38563	8.388916	8.380582
CSRNP1	cg2295170	0.049946	7.844802	4.76782	0.00021	0.00115	0.082926	8.316789	8.321311	8.312504	8.332827	8.317363	8.305291	8.29511	8.315927	8.32031	8.317428	8.353108	8.341081	8.361185	8.337002	8.348668	8.33791
AGTR1	cg1851299	0.049955	7.823582	3.575633	0.002531	0.008615	-2.41428	8.284504	8.282697	8.314201	8.274057	8.280087	8.26439	8.319887	8.29886	8.320026	8.296071	8.328698	8.332403	8.337584	8.344015	8.371002	8.344158
FOXP1	cg0102033	0.049962	7.70492	4.205905	0.000672	0.002923	-1.03823	8.213493	8.210846	8.205724	8.234123	8.210476	8.207094	8.222746	8.216639	8.220313	8.209608	8.267087	8.236594	8.251739	8.229385	8.260955	8.257818
PDCD4	cg2615596	0.049984	7.845506	4.348705	0.000499	0.002295	-0.79431	8.31822	8.309122	8.295487	8.303749	8.340358	8.29746	8.31517	8.314673	8.324086	8.31467	8.356387	8.353078	8.359392	8.339277	8.347569	8.353564
TGFBR3	cg0279654	0.050029	7.920796	5.093746	0.000109	0.000676	0.716067	8.365696	8.365935	8.370591	8.372686	8.361709	8.385163	8.372465	8.364402	8.382455	8.352293	8.404667	8.407232	8.405092	8.393283	8.394086	8.412804
IRF8	cg2291986	0.05005	7.49976	2.993537	0.008605	0.023201	-3.51228	8.105656	8.061304	8.064801	8.079039	8.066421	8.074996	8.069342	8.080538	8.071824	8.090255	8.09165	8.125905	8.116914	8.081036	8.106359	8.136044
ALPL	cg1435353	0.050093	7.366438	4.13352	0.000782	0.003317	-1.12168	7.98669	8.007746	8.00921	7.989156	7.994481	8.000893	7.998193	7.983471	7.980738	7.979602	7.999796	8.00207	8.021613	8.033842	8.02162	8.016517
TCF7L2	cg0495373	0.050131	6.638884	3.835758	0.001462	0.005481	-2.07687	7.57836	7.558676	7.572289	7.579949	7.563323	7.56484	7.562109	7.566854	7.577652	7.562018	7.60792	7.569798	7.600031	7.595317	7.578559	7.593988
ZNF366	cg0466994	0.050141	7.682803	2.658836	0.017173	0.040601	-4.22299	8.199851	8.190835	8.189709	8.254951	8.20452	8.214293	8.213439	8.185733	8.211144	8.172271	8.243568	8.239614	8.240102	8.201571	8.215376	8.232369
PTGDR	cg1824210	0.050145	7.905067	4.858058	0.000175	0.000995	0.239494	8.375688	8.359886	8.347867	8.35447	8.365859	8.348319	8.348144	8.346544	8.365555	8.366349	8.393859	8.400411	8.391526	8.376684	8.39803	8.388895
LRRC3B	cg0311695	0.050174	7.054245	3.605228	0.002378	0.008176	-2.25069	7.797985	7.794117	7.800954	7.791275	7.787433	7.800811	7.806423	7.793984	7.779505	7.819357	7.822959	7.805534	7.84166	7.821948	7.83327	7.839719
RUNX3	cg1518722	0.050182	7.947556	4.18194	0.000707	0.003045	-1.19522	8.386642	8.396929	8.393685	8.373382	8.370418	8.407778	8.387045	8.374699	8.408806	8.38228	8.431355	8.423377	8.418205	8.416594	8.412814	8.438493
STK10	cg2656120	0.050225	7.307033	3.843391	0.001439	0.005411	-1.72734	7.945807	7.971473	7.956708	7.960365	7.970295	7.96186	7.936956	7.949745	7.962478	7.939665	7.990955	7.98734	7.970469	7.962715	7.988625	7.962888
PDSS2	cg0191663	0.050236	7.785342	4.850494	0.000178	0.001006	0.280378	8.28356	8.268765	8.275686	8.277876	8.258959	8.276211	8.287441	8.258287	8.271206	8.267725	8.303937	8.296276	8.306965	8.303475	8.321883	8.298709
ADARB1	cg0951666	0.05025	7.950801	3.462849	0.003211	0.010448	-2.70861	8.410007	8.393315	8.38302	8.433114	8.373468	8.380705	8.394622	8.396661	8.384959	8.373656	8.40621	8.418091	8.429439	8.441962	8.418197	8.422983
L3MBTL4	cg1971226	0.050303	6.763225	3.609993	0.002354	0.008104	-2.44424	7.627381	7.631541	7.615754	7.6353	7.644721	7.631746	7.624868	7.634167	7.647937	7.634877	7.679148	7.663311	7.671479	7.661323	7.6455	7.64258
WNT5A	cg0177712	0.050321	7.941174	5.816189	2.64E-05	0.000214	2.153474	8.376127	8.373883	8.383015	8.396454	8.381532	8.386101	8.384603	8.383132	8.381351	8.38634	8.421673	8.428356	8.423398	8.413438	8.404871	8.423583
APC	cg0857185	0.050344	7.505069	4.369384	0.000478	0.002227	-0.64469	8.076662	8.082081	8.086991	8.087246	8.088252	8.063814	8.069528	8.084854	8.089671	8.076742	8.117522	8.126722	8.096058	8.112466	8.102139	8.117284
PHLPP2	cg1541121	0.050352	7.89728	3.410617	0.003585	0.011397	-2.79149	8.37406	8.35268	8.334777	8.346031	8.354086	8.344573	8.333453	8.365829	8.34933	8.360081	8.403488	8.38555	8.370193	8.359451	8.391418	8.413292
MAP3K4	cg1124464	0.050376	7.957517	4.516811	0.000352	0.001744	-0.49432	8.413022	8.415846	8.403804	8.38215	8.412884	8.394415	8.384987	8.381847	8.397194	8.397517	8.426409	8.428892	8.4148	8.441293	8.410377	8.433235
HIVEP3	cg0097005	0.050405	7.792313	4.007951	0.001018	0.00409	-1.48519	8.264898	8.265189	8.307488	8.275438	8.256659	8.284326	8.286962	8.269439	8.270927	8.283339	8.31144	8.302164	8.311378	8.319999	8.304289	8.322233
KLF5	cg2738920	0.050421	6.632332	3.872221	0.001354	0.005158	-2.00092	7.557339	7.55344	7.55051	7.564999	7.573446	7.560038	7.563747	7.571452	7.563494	7.570959	7.598674	7.585176	7.608461	7.602768	7.585174	7.56786
EPB41L3	cg1275715	0.050432	7.639351	3.742097	0.001781	0.006445	-1.99603	8.167086	8.160203	8.170661	8.170997	8.155602	8.176666	8.163578	8.175797	8.165154	8.187653	8.177998	8.21628	8.230692	8.211058	8.194274	8.206509
WNT5A	cg0439426	0.050547	7.203497	2.931087	0.0098	0.025814	-3.61298	7.894169	7.864285	7.884438	7.916323	7.887841	7.9032	7.909855	7.888292	7.8673	7.877086	7.903957	7.91876	7.930996	7.92326	7.919358	7.892913
ARNTL	cg1161960	0.050568	7.210507	3.571498	0.002553	0.008678	-2.29486	7.873401	7.892007	7.880591	7.916012	7.892114	7.877681	7.894064	7.899499	7.880741	7.902975	7.917939	7.934567	7.932863	7.925119	7.927359	7.90453
RND3	cg0906259	0.050677	6.613582	3.719664	0.001867	0.006708	-2.34643	7.548687	7.557262	7.549766	7.578384	7.564377	7.547073	7.565177	7.550604	7.549085	7.548395	7.592141	7.580368	7.566761	7.565349	7.568529	7.58936
RTN4	cg1141276	0.050688	6.796834	3.505292	0.002936	0.009701	-2.64037	7.65493	7.645673	7.668663	7.649929	7.655226	7.642185	7.63136	7.654714	7.667973	7.652051	7.690986	7.664672	7.681052	7.657606	7.682759	7.68535
ING5	cg2524048	0.050697	7.891226	4.465633	0.000392	0.001901	-0.57086	8.356389	8.341848	8.346272	8.352918	8.353349	8.326678	8.340421	8.333436	8.367519	8.350378	8.396525	8.389033	8.38066	8.387419	8.370728	8.374524
DLC1	cg0727049	0.050727	7.300744	4.358634	0.000489	0.002267	-0.6451	7.958569	7.962546	7.953337	7.958708	7.95983	7.939929	7.937413	7.942326	7.931112	7.965312	7.981707	7.975227	7.972422	7.967701	7.967592	7.98078
CBFA2T3	cg0097457	0.050769	7.896271	3.715472	0.001884	0.006753	-2.15059	8.347902	8.34358	8.355555	8.355087	8.341463	8.385418	8.346408	8.349256	8.33087	8.367705	8.403401	8.387286	8.38034	8.371909	8.394211	8.365987
PGR	cg2712195	0.050782	7.764318	4.816615	0.000191	0.001061	0.218696	8.251534	8.260791	8.273188	8.248215	8.25226	8.268319	8.260204	8.256737	8.254087	8.2528	8.29087	8.267105	8.299514	8.291325	8.300217	8.292397
TCF7L2	cg2089947	0.050867	7.971701	4.395091	0.000453	0.00214	-0.76245	8.395017	8.403691	8.397112	8.388623	8.411135	8.381196	8.402454	8.426729	8.41595	8.399906	8.451152	8.445694	8.432139	8.45225	8.433147	8.469408
TET2	cg0966671	0.050902	7.906667	2.883131	0.010825	0.027971	-3.875	8.392964	8.357467	8.388552	8.353492	8.355944	8.344401	8.37881	8.330948	8.347075	8.359761	8.378952	8.372802	8.374384	8.378254	8.419602	8.413583
BHLHE41	cg0518067	0.050925	6.757351	4.873984	0.00017	0.000967	0.202074	7.627595	7.619763	7.631096	7.631793	7.651543	7.621844	7.635348	7.633313	7.622775	7.630434	7.662254	7.657797	7.652997	7.655083	7.654054	7.652428
EPAS1	cg0049660	0.050959	7.547911	4.476746	0.000383	0.001867	-0.42881	8.095033	8.109523	8.108125	8.104108	8.116463	8.102157	8.103654	8.117748	8.122581	8.09819	8.141237	8.136051	8.152351	8.14493	8.126605	8.157894
TCF4	cg0174289	0.050975	7.10574	3.555975	0.002638	0.008912	-2.33594	7.842767	7.818926	7.807815	7.835374	7.824101	7.837153	7.820502	7.828384	7.841446	7.825893	7.861421	7.877677	7.861966	7.840192	7.859986	7.845225
CDO1	cg1328886	0.050983	7.769541	2.677288	0.016538	0.039449	-4.21485	8.253207	8.252339	8.251534	8.288794	8.252847	8.305034	8.244604	8.251508	8.261653	8.269529	8.312303	8.317161	8.303686	8.284429	8.273413	8.256999
SALL2	cg0308810	0.050992	7.216985	3.14505	0.006269	0.017977	-3.17862	7.886007	7.883924	7.892947	7.905325	7.897704	7.922238	7.907546	7.883628	7.890905	7.897548	7.949053	7.915764	7.937911	7.903488	7.934825	7.906708
THBS1	ch.15.3745	0.051039	6.621215	6.369406	9.37E-06	9.20E-05	3.063637	7.553311	7.555617	7.554584	7.562273	7.560895	7.559474	7.558818	7.559375	7.560472	7.558874	7.58604	7.59093	7.583701	7.569464	7.589212	7.581405
MYH9	cg2285049	0.051068	7.498004	4.237208	0.00063	0.002774	-0.92032	8.076384	8.092644	8.068012	8.076744	8.0787	8.078984	8.059844	8.080663	8.087354	8.067341	8.113134	8.118695	8.099151	8.089797	8.098155	8.117228
FOXP1	cg2007716	0.05109	6.851772	2.829904	0.012085	0.030527	-3.98771	7.673449	7.678527	7.679503	7.684225	7.681846	7.725458	7.694244	7.671796	7.667042	7.683469	7.726344	7.712447	7.700164	7.713765	7.698873	7.680922
ADARB1	cg1715044	0.051154	7.501585	3.823036	0.001502	0.005594	-1.79253	8.064033	8.083132	8.091748	8.067991	8.064954	8.073511	8.050821	8.100785	8.093783	8.075488	8.112206	8.113419	8.11341	8.108622	8.115331	8.112103
PCDH10	cg0204315	0.051181	7.535707	3.798185	0.001582	0.005843	-1.85039	8.097741	8.099097	8.09147	8.109028	8.106583	8.11253	8.094696	8.096383	8.082526	8.123714	8.149083	8.140898	8.138332	8.111617	8.121574	8.130244
SYNM	cg2703872	0.051203	7.948109	4.452946	0.000402	0.001944	-0.62429	8.401549	8.390178	8.375282	8.392704	8.39079	8.4097	8.394053	8.382477	8.36094	8.403579	8.423915	8.430501	8.417178	8.416751	8.41314	8.426055
FAS	cg2441739	0.051228	6.703445	3.42148	0.003504	0.011217	-2.89294	7.597724	7.601928	7.609245	7.626813	7.584503	7.614989	7.596893	7.592802	7.598764	7.608218	7.640385	7.610626	7.638761	7.613305	7.629675	7.611942
RASSF8	cg2264726	0.05124	7.940184	3.265567	0.004867	0.014702	-3.11119	8.389649	8.395976	8.380763	8.37208	8.42874	8.396998	8.390269	8.37254	8.356121	8.383697	8.40216	8.409663	8.428188	8.434994	8.409578	8.385039
GPRC5A	cg0353484	0.051244	7.896215	3.742809	0.001778	0.006437	-2.09411	8.340404	8.34577	8.340377	8.385932	8.360174	8.336102	8.346114	8.365801	8.351174	8.338138	8.399798	8.389313	8.386173	8.392074	8.363499	8.385032
DACH1	cg0131106	0.051249	6.641451	4.017088	0.000998	0.004029	-1.68979	7.563745	7.563239	7.560272	7.575552	7.572339	7.57622	7.563215	7.562365	7.57093	7.58176	7.602494	7.595888	7.615162	7.587005	7.58363	7.579494
MOB1B	cg1773852	0.051253	7.724254	3.227247	0.005275	0.015668	-3.0947	8.225322	8.204424	8.211512	8.212834	8.266513	8.220214	8.255515	8.228934	8.221865	8.223301	8.270984	8.281688	8.258051	8.26214	8.27514	8.25237
SEMA3B	cg0935900	0.051291	7.841229	5.731699	3.11E-05	0.000242	2.036677	8.325359	8.322586	8.314253	8.30018	8.322192	8.322074	8.301666	8.311204	8.305733	8.31132	8.336386	8.348318	8.336395	8.350351	8.347165	8.337587
RPS6KA2	cg2176014	0.05136	7.752206	4.059056	0.000914	0.003749	-1.36248	8.238509	8.231265	8.253278	8.243688	8.251055	8.241689	8.271924	8.246307	8.238404	8.249935	8.295131	8.297692	8.257047	8.28479	8.284795	8.298255
MCC	ch.5.20598	0.051428	6.646039	4.223589	0.000648	0.00284	-1.24807	7.562855	7.560065	7.558653	7.577513	7.580517	7.574357	7.567679	7.577872	7.572047	7.574603	7.613166	7.598885	7.606932	7.598158	7.588275	7.580195
ABI2	cg0570292	0.051462	7.088819	3.004608	0.008409	0.022762	-3.47553	7.802713	7.817587	7.807791	7.790363	7.785339	7.819326	7.824899	7.801247	7.854671	7.827843	7.839081	7.864778	7.873239	7.854149	7.847266	7.857682
EXT1	cg0531315	0.051481	6.662224	5.860931	2.43E-05	0.0002	2.112418	7.584403	7.582284	7.591253	7.582923	7.587113	7.589475	7.574303	7.579516	7.589398	7.561523	7.602379	7.598128	7.601332	7.601839	7.60127	7.599683
CDH13	cg0513662	0.051495	7.776837	3.001448	0.008465	0.022886	-3.57574	8.232483	8.25899	8.270589	8.245575	8.269488	8.282846	8.278269	8.241772	8.272292	8.284524	8.30943	8.324551	8.315511	8.313107	8.29175	8.270559
IKZF1	cg1915901	0.051517	7.189123	3.271192	0.00481	0.014544	-2.9197	7.85896	7.887452	7.860587	7.898389	7.888536	7.868841	7.880968	7.881057	7.877702	7.879776	7.909521	7.904663	7.933349	7.891467	7.924883	7.894326
COPS2	cg2097374	0.051522	6.973886	5.004654	0.00013	0.000779	0.613866	7.750496	7.766597	7.767321	7.76129	7.762245	7.749109	7.743814	7.751655	7.747301	7.741113	7.771862	7.757796	7.781741	7.772097	7.784024	7.774287
CCNDBP1	cg2655232	0.051564	6.618776	3.959814	0.001126	0.004442	-1.83666	7.556663	7.552108	7.559012	7.552908	7.577048	7.579546	7.558544	7.550119	7.549333	7.558547	7.589849	7.57656	7.589372	7.584449	7.5659	7.564254
ZBTB7C	cg0005772	0.051642	7.758454	3.975585	0.001089	0.004321	-1.53895	8.243106	8.262795	8.246728	8.269607	8.258233	8.244674	8.274066	8.240854	8.22857	8.264416	8.284625	8.275737	8.30107	8.286138	8.280153	8.292986
DMD	cg1068545	0.051662	6.803646	3.333017	0.004223	0.013062	-2.99574	7.657576	7.661072	7.65317	7.651034	7.657843	7.667438	7.652362	7.647109	7.651282	7.665066	7.681608	7.673813	7.694185	7.697393	7.692221	7.641893
AXIN2	cg2332065	0.051689	7.758029	3.941546	0.00117	0.004578	-1.61044	8.255109	8.24666	8.260139	8.265083	8.241054	8.255044	8.246767	8.246083	8.277024	8.236849	8.281724	8.297321	8.290578	8.306884	8.275023	8.267645
LIFR	cg0313598	0.05174	7.979446	5.849472	2.48E-05	0.000203	2.201264	8.410774	8.423867	8.424391	8.409886	8.403785	8.409972	8.394979	8.406095	8.413675	8.422596	8.442978	8.449026	8.446029	8.44282	8.452857	8.442107
MARVELD1	cg2373312	0.051755	7.903899	4.254972	0.000607	0.002693	-1.01974	8.363843	8.361994	8.363928	8.342138	8.353678	8.338968	8.34834	8.339599	8.365841	8.375736	8.382218	8.390862	8.406564	8.410188	8.384117	8.386823
CASP5	cg0518895	0.051771	7.856289	3.972013	0.001097	0.00435	-1.59259	8.329842	8.317992	8.309804	8.333968	8.315585	8.298798	8.340573	8.314508	8.316239	8.326834	8.35233	8.344473	8.374718	8.342229	8.377107	8.371032
DDB2	cg0491542	0.051793	6.686281	4.897831	0.000162	0.000928	0.195276	7.585736	7.593484	7.58605	7.597546	7.608143	7.579587	7.585148	7.602103	7.591476	7.593052	7.627571	7.617542	7.617816	7.619905	7.615448	7.609927
PPP2R5C	cg2157016	0.051839	7.280757	3.720386	0.001865	0.006703	-1.9844	7.925314	7.943182	7.939996	7.94055	7.96744	7.930086	7.934204	7.922154	7.930783	7.941481	7.981437	7.95615	7.974497	7.955067	7.962021	7.94841
CDKN1B	cg0255439	0.051888	6.625828	4.768737	0.00021	0.001148	-0.12575	7.569589	7.561147	7.5566	7.563772	7.556732	7.559596	7.55205	7.555481	7.579717	7.556089	7.594785	7.590873	7.581017	7.576107	7.580164	7.589164
CAPG	cg1423962	0.051919	7.803913	4.649584	0.000268	0.001399	-0.14513	8.275411	8.291557	8.284544	8.286145	8.289657	8.268947	8.287759	8.297617	8.286696	8.271502	8.325293	8.302364	8.31849	8.338978	8.312893	8.329906
WNT11	cg1602855	0.051939	7.773382	4.451135	0.000404	0.00195	-0.54722	8.251547	8.256188	8.258969	8.256196	8.25219	8.266485	8.261196	8.251912	8.285249	8.269406	8.311157	8.312805	8.307989	8.290463	8.280549	8.310037
GRIN2A	cg0780936	0.051948	6.68875	4.346217	0.000502	0.002305	-0.95558	7.581672	7.587973	7.596835	7.608042	7.586198	7.610456	7.58793	7.59854	7.59413	7.591065	7.617195	7.623815	7.631806	7.615615	7.615659	7.604519
CDH13	cg2642640	0.05195	7.376085	2.69235	0.016036	0.038484	-4.09518	7.981047	7.994874	7.991535	8.008807	8.017672	7.979059	8.009727	7.959398	7.999578	8.016489	8.041863	8.049533	8.041881	8.007703	8.006381	8.020704

FOXA2	cg1449767	0.051962	7.295525	2.633813	0.018071	0.042299	-4.20319	7.935114	7.901992	7.919069	7.966323	7.944351	7.953358	7.961002	7.975573	7.942516	7.919686	7.987945	7.980511	7.991743	7.980596	7.982876	7.960678
PHLPP2	cg0619990	0.051964	7.772827	4.476979	0.000383	0.001867	-0.49145	8.262475	8.266895	8.253124	8.277676	8.26279	8.248292	8.250942	8.270269	8.259743	8.272326	8.286679	8.314583	8.303681	8.290892	8.285163	8.310255
RASAL2	cg0880836	0.051964	6.712957	3.71323	0.001893	0.006783	-2.27209	7.617343	7.623551	7.594135	7.617257	7.592799	7.615435	7.594465	7.604867	7.604581	7.614002	7.624157	7.651108	7.619463	7.62244	7.62576	7.636432
RASAL2	cg1772515	0.051968	7.339166	2.707129	0.015558	0.037541	-4.06431	7.963232	7.961244	7.929581	7.948114	7.95897	7.954507	7.947752	8.018192	8.004176	7.967516	8.037027	8.002739	8.019918	8.01482	7.999912	8.020844
PTPRK	cg1372021	0.051982	7.069154	3.311227	0.004421	0.013561	-2.85529	7.791364	7.802806	7.796198	7.815039	7.785684	7.824724	7.793027	7.806688	7.817292	7.818772	7.849524	7.858866	7.837459	7.819343	7.831198	7.831007
LRRC3B	cg1840437	0.051984	7.974288	4.417376	0.000433	0.002062	-0.71316	8.389892	8.416731	8.408751	8.414066	8.415972	8.410096	8.395349	8.406406	8.411189	8.410676	8.449294	8.457651	8.443444	8.449622	8.446161	8.410151
FLCN	cg1158042	0.052012	7.86778	4.774634	0.000208	0.001137	0.087038	8.334522	8.334683	8.32769	8.32995	8.333256	8.361596	8.326634	8.322195	8.335516	8.31967	8.360674	8.369388	8.373431	8.362949	8.342954	8.362418
GPRC5A	cg2480822	0.05202	6.722737	2.592027	0.019673	0.045219	-4.55405	7.615069	7.637248	7.618744	7.607743	7.605792	7.60001	7.62409	7.613509	7.600038	7.603824	7.634102	7.64072	7.588508	7.661729	7.648656	7.642511
MOB1B	cg2196433	0.052024	6.623222	5.827975	2.58E-05	0.00021	2.019306	7.554553	7.551566	7.558577	7.564454	7.561466	7.562427	7.5573	7.55717	7.56449	7.561229	7.59918	7.583887	7.588417	7.584375	7.576143	7.575939
SRGAP3	cg2671732	0.05206	7.66119	2.651486	0.017432	0.041045	-4.23454	8.154849	8.166741	8.180812	8.16928	8.156051	8.224021	8.203712	8.18574	8.179684	8.196048	8.220892	8.220237	8.249605	8.249925	8.189472	8.224419
RNASEL	cg0234906	0.052063	6.635158	7.990145	5.69E-07	1.01E-05	5.971868	7.55762	7.567411	7.561065	7.566941	7.564794	7.56763	7.567426	7.566935	7.56803	7.56422	7.59369	7.594606	7.591706	7.590349	7.592303	7.585715
RASSF2	cg0591453	0.052077	7.290635	3.139526	0.006342	0.018164	-3.19202	7.932837	7.931131	7.936325	7.95007	7.967021	7.963902	7.941522	7.934322	7.927209	7.951017	7.993599	7.981314	7.980234	7.96245	7.94491	7.954901
NDRG4	cg0879113	0.052087	7.442327	2.934022	0.00974	0.025699	-3.62185	8.062395	8.061065	8.040594	8.059357	8.018531	8.069008	8.039457	8.036925	8.022627	8.024936	8.059427	8.036222	8.062596	8.044825	8.088108	8.089018
PLXNC1	cg2243391	0.052105	7.924058	3.670373	0.002072	0.007296	-2.26224	8.377305	8.391783	8.366392	8.358439	8.346198	8.36515	8.358699	8.376169	8.38049	8.374388	8.390667	8.414016	8.401027	8.41458	8.39248	8.441208
PYCARD	cg0911598	0.052165	7.882165	4.706742	0.000238	0.001274	-0.06174	8.347737	8.354689	8.326694	8.333096	8.364427	8.340318	8.332012	8.349557	8.325674	8.344421	8.368391	8.383493	8.369483	8.372224	8.368165	8.382943
RASAL2	cg0292602	0.052288	7.41164	3.032998	0.007925	0.021672	-3.41883	8.0476	8.017982	8.007338	8.03741	8.02275	8.02506	8.025668	8.040714	8.003688	7.987159	8.043569	8.03813	8.024475	8.042747	8.068687	8.061357
IKZF1	cg0715840	0.052308	7.273946	4.853461	0.000177	0.001002	0.383678	7.917396	7.927609	7.918044	7.923665	7.937482	7.919123	7.937179	7.925458	7.935039	7.944209	7.976171	7.959159	7.977564	7.965841	7.965789	7.954958
LAT2	cg2720155	0.052311	7.923261	4.126229	0.000794	0.003355	-1.30037	8.392167	8.365342	8.378561	8.359065	8.367511	8.352169	8.364988	8.354818	8.390898	8.371281	8.397376	8.409887	8.407378	8.42898	8.404297	8.394814
TGFBR3	cg0755769	0.05232	7.75953	4.43968	0.000413	0.00199	-0.56284	8.241967	8.271284	8.250775	8.260817	8.254748	8.277947	8.240813	8.261208	8.23889	8.257643	8.296426	8.292513	8.279009	8.284721	8.287769	8.269113
SEMA3B	cg2401985	0.052333	7.817969	6.039918	1.73E-05	0.000152	2.645615	8.292958	8.296478	8.291243	8.288175	8.292895	8.294924	8.291236	8.29183	8.309943	8.289355	8.345589	8.325891	8.328878	8.325965	8.330241	8.331916
BMPR1A	cg2542620	0.052465	7.92251	3.692789	0.001976	0.007036	-2.21387	8.371895	8.402229	8.351296	8.370749	8.347553	8.361192	8.388266	8.351444	8.362255	8.380242	8.388937	8.406546	8.405653	8.415623	8.407818	8.419261
SMYD4	cg1840347	0.052467	7.545398	3.873963	0.001349	0.00515	-1.69183	8.105651	8.131119	8.112431	8.14117	8.106771	8.104742	8.089443	8.122259	8.088389	8.102486	8.129482	8.141832	8.12322	8.144786	8.137185	8.128374
PTPRD	cg2153874	0.052475	7.276975	2.832174	0.012029	0.030398	-3.81289	7.919671	7.905749	7.934087	7.924252	7.886603	7.933839	7.926061	7.94265	7.94883	7.952187	7.957564	7.985625	7.984565	8.005516	7.95088	7.958656
RBMS3	cg2050169	0.052498	6.608271	5.266745	7.71E-05	0.00051	0.880372	7.547342	7.558165	7.55015	7.56852	7.552535	7.551015	7.545653	7.546062	7.554162	7.554715	7.584957	7.584541	7.571923	7.571301	7.564025	7.572092
VWA5A	cg0999472	0.052535	6.79655	4.623709	0.000283	0.001456	-0.28853	7.653262	7.644228	7.657376	7.65459	7.644494	7.656069	7.650399	7.656923	7.640252	7.657582	7.681175	7.665779	7.680427	7.686345	7.660661	7.692892
ALDH1A2	cg1303823	0.052547	7.363899	3.833772	0.001468	0.005495	-1.75254	7.960431	7.988212	7.986012	7.977868	7.970251	8.005314	7.998658	7.991172	7.988907	7.989145	8.038478	8.007472	8.025845	8.014223	8.019168	8.039274
PLAGL1	cg0854720	0.05255	7.764602	3.942889	0.001167	0.004571	-1.61025	8.242613	8.251258	8.255094	8.233098	8.272979	8.287802	8.256714	8.263663	8.264769	8.241682	8.297388	8.297943	8.294316	8.289303	8.289379	8.285101
NRCAM	cg0629268	0.052579	6.952555	3.435537	0.003402	0.010965	-2.67449	7.728005	7.728309	7.723055	7.751112	7.752127	7.735606	7.738521	7.732943	7.751265	7.73694	7.784366	7.784966	7.77647	7.762167	7.756623	7.7442
TET2	cg1344029	0.052582	6.665163	2.681448	0.016398	0.039172	-4.43532	7.591026	7.597164	7.614197	7.571692	7.57861	7.584981	7.563735	7.562351	7.591704	7.587555	7.592582	7.623095	7.581731	7.629761	7.584474	7.597935
ATF3	cg1563955	0.052634	7.947316	5.952581	2.04E-05	0.000173	2.419876	8.389725	8.405975	8.393671	8.387809	8.404435	8.397228	8.385694	8.390143	8.365877	8.385631	8.414721	8.421833	8.408711	8.419259	8.425179	8.42343
ADARB1	cg0160398	0.052676	7.795176	4.181323	0.000708	0.003047	-1.12037	8.275436	8.281727	8.272959	8.291119	8.259586	8.302456	8.265572	8.279835	8.294717	8.267943	8.32635	8.308048	8.324819	8.305589	8.310438	8.301967
PRKCE	cg0456107	0.052726	7.863977	4.324286	0.000525	0.002393	-0.85278	8.343437	8.33199	8.3262	8.30497	8.336403	8.33062	8.312335	8.339323	8.311007	8.342024	8.359051	8.348509	8.366377	8.361932	8.363482	8.376385
RARB	cg2164603	0.052737	7.317075	3.575782	0.00253	0.008615	-2.28948	7.951326	7.970507	7.9688	7.959168	7.94669	7.980899	7.959325	7.956437	7.959227	7.94621	7.987505	7.96531	7.993468	7.969883	8.015664	7.990254
PAX6	cg1146906	0.052758	7.819196	4.682478	0.000251	0.001325	-0.08192	8.298181	8.304002	8.284042	8.309863	8.300999	8.300584	8.291673	8.290454	8.303352	8.28533	8.334994	8.330463	8.337857	8.345245	8.306416	8.317966
TRIM13	cg0644036	0.05276	7.932648	4.817585	0.00019	0.00106	0.141214	8.367653	8.389421	8.376676	8.379931	8.361241	8.378492	8.387327	8.372559	8.39027	8.359032	8.414729	8.402272	8.414517	8.404908	8.418183	8.431466
MOB1B	cg1477151	0.052787	7.958503	3.36733	0.003928	0.012302	-2.91164	8.394893	8.40698	8.428724	8.42008	8.362303	8.393265	8.376816	8.394915	8.390795	8.405873	8.447438	8.403781	8.42231	8.435997	8.436073	8.430373
PTPRT	cg1350367	0.052811	6.687939	4.534358	0.00034	0.001692	-0.56005	7.586303	7.589691	7.586833	7.592502	7.60615	7.595395	7.597218	7.586363	7.597475	7.59245	7.619972	7.624314	7.63163	7.628502	7.611878	7.598039
SMYD4	cg0994018	0.052918	7.929371	4.374977	0.000473	0.002207	-0.77842	8.392807	8.380313	8.391106	8.38411	8.352758	8.372059	8.3663	8.381022	8.372943	8.365536	8.40346	8.404666	8.386667	8.410457	8.425336	8.420828
PRDM5	ch.4.22455	0.052925	6.631802	5.96601	1.99E-05	0.000171	2.295133	7.564206	7.559387	7.562709	7.568703	7.568453	7.570145	7.557344	7.560316	7.568836	7.564719	7.592753	7.600643	7.589069	7.581239	7.585628	7.578262
DMD	cg0954681	0.05298	6.746857	3.138764	0.006352	0.018188	-3.43313	7.616154	7.587589	7.606095	7.62925	7.626572	7.622942	7.63038	7.639576	7.628806	7.622574	7.68261	7.668242	7.645323	7.659831	7.645753	7.639132
TSC22D1	cg2735287	0.053016	6.630308	3.75054	0.00175	0.006355	-2.27065	7.553358	7.565803	7.560494	7.580409	7.591043	7.580466	7.569332	7.558933	7.551476	7.551497	7.592192	7.587654	7.592578	7.581466	7.578712	7.564684
LATS2	cg0560250	0.053022	7.808289	3.476436	0.003121	0.010202	-2.61005	8.286157	8.27257	8.269136	8.322841	8.276397	8.281668	8.287377	8.284349	8.295481	8.289333	8.338816	8.333419	8.336726	8.338587	8.306506	8.298507
DAPK2	cg0685570	0.053042	7.88956	4.376172	0.000471	0.002204	-0.75613	8.377865	8.345241	8.346485	8.334304	8.341175	8.348025	8.346178	8.347289	8.33316	8.347096	8.383387	8.362539	8.36641	8.397476	8.389369	8.382764
CTNND1	cg0068459	0.053058	6.648962	4.395181	0.000453	0.00214	-0.88417	7.559134	7.578092	7.565813	7.563986	7.565628	7.589549	7.575041	7.569301	7.584732	7.567572	7.60479	7.601578	7.604694	7.597178	7.583935	7.605262
PPP2R5C	cg1893144	0.053077	6.621967	3.510377	0.002905	0.009611	-2.77482	7.547236	7.546256	7.549552	7.566419	7.565485	7.564642	7.557593	7.548333	7.567441	7.56696	7.59173	7.608739	7.596282	7.573391	7.572923	7.568465
PLXNC1	cg1911807	0.053086	7.890399	4.16791	0.000728	0.003115	-1.19103	8.354114	8.35057	8.37841	8.361718	8.349865	8.363653	8.330785	8.353347	8.310113	8.357338	8.372123	8.37181	8.36856	8.379891	8.365153	8.390858
CHD5	cg2755258	0.053152	7.469587	3.160633	0.006067	0.017513	-3.16759	8.039559	8.049109	8.037502	8.06487	8.045928	8.049529	8.054547	8.046063	8.049841	8.09586	8.115525	8.098818	8.108702	8.062751	8.093161	8.09117
MRVI1	cg0611858	0.053153	7.468581	3.543475	0.002709	0.00911	-2.37302	8.073638	8.050926	8.054167	8.054864	8.060955	8.030293	8.069247	8.046281	8.039114	8.071966	8.096252	8.064664	8.08422	8.099406	8.089181	8.106441
FBP1	cg1421193	0.053157	7.586449	5.533427	4.56E-05	0.000327	1.722365	8.124164	8.131393	8.129969	8.147372	8.136219	8.128667	8.139933	8.139692	8.127893	8.131778	8.175178	8.167538	8.173971	8.158037	8.177545	8.163365
THBS1	cg1418266	0.053167	6.671925	3.090071	0.007034	0.019723	-3.60467	7.579058	7.592173	7.57297	7.571795	7.590887	7.614911	7.589101	7.57937	7.599533	7.565591	7.603087	7.625876	7.613812	7.613243	7.588137	7.610024
EGR2	cg0785275	0.053197	7.61648	3.952349	0.001144	0.004495	-1.54465	8.164981	8.149943	8.154635	8.1555	8.190039	8.162753	8.162632	8.141231	8.160289	8.133322	8.178846	8.189316	8.193861	8.170106	8.175152	8.196874
EPB41L3	cg2608646	0.05323	7.849709	6.145824	1.42E-05	0.000129	2.837217	8.324111	8.328869	8.321024	8.306875	8.32509	8.324506	8.307732	8.312422	8.321159	8.314433	8.3484	8.356319	8.347807	8.339723	8.356307	8.355202
NDRG2	cg0459498	0.053234	7.888774	5.449846	5.37E-05	0.000376	1.451785	8.343828	8.332154	8.344723	8.357086	8.34297	8.338245	8.341522	8.342695	8.346323	8.35281	8.399222	8.382006	8.384284	8.391257	8.370354	8.370294
STARD13	cg2604950	0.053238	6.618471	4.192684	0.000691	0.002989	-1.34106	7.549565	7.555492	7.554155	7.564956	7.558503	7.56307	7.552075	7.549028	7.563995	7.560941	7.574403	7.602165	7.594214	7.584326	7.565892	7.56921
PAIP2	cg1266895	0.053293	7.958022	4.115216	0.000813	0.003412	-1.34257	8.37686	8.399826	8.397949	8.386239	8.40596	8.377757	8.39089	8.396799	8.373554	8.42867	8.425268	8.446496	8.43899	8.44131	8.430658	8.427984
CABLES1	cg1289208	0.053326	7.146954	4.800349	0.000197	0.00109	0.272296	7.843796	7.864028	7.857307	7.863515	7.86698	7.86811	7.844356	7.853159	7.847323	7.84749	7.890791	7.890591	7.875637	7.873268	7.87339	7.8673
HIVEP3	cg2376251	0.053366	6.65886	3.039267	0.007822	0.021457	-3.71474	7.560917	7.557534	7.564677	7.595572	7.572742	7.586895	7.568556	7.608603	7.565602	7.580443	7.617079	7.615112	7.607734	7.611966	7.593951	7.592697
EPAS1	cg1060064	0.053392	7.940504	3.801584	0.001571	0.005816	-1.99427	8.394864	8.389425	8.368301	8.343456	8.38032	8.403559	8.368067	8.390905	8.377157	8.39793	8.417334	8.424121	8.418303	8.434377	8.424361	8.408043
CITED2	cg0333973	0.0534	6.624731	2.667911	0.016858	0.04002	-4.49382	7.549064	7.548467	7.593567	7.555913	7.560026	7.562896	7.574737	7.546716	7.559085	7.556372	7.592204	7.599105	7.553533	7.600238	7.601022	7.561697
CHST10	cg0278374	0.05343	7.668152	3.639589	0.002211	0.00771	-2.22036	8.185517	8.151973	8.20262	8.17899	8.171104	8.202208	8.200458	8.21261	8.186799	8.177321	8.213713	8.221504	8.236065	8.236409	8.231391	8.239003
EPB41L3	cg0249585	0.053479	7.486486	2.775003	0.013534	0.033461	-3.94666	8.036678	8.056791	8.095408	8.086686	8.074265	8.068233	8.055932	8.051231	8.078491	8.07862	8.111224	8.122958	8.117059	8.089754	8.094405	8.063601
RHOA	cg0565765	0.053533	7.860878	5.050486	0.000119	0.000723	0.657454	8.327846	8.325235	8.325678	8.334289	8.319618	8.336383	8.338964	8.313712	8.335466	8.302809	8.365774	8.347451	8.36565	8.364849	8.362164	8.352402
KLK10	cg2186905	0.053556	6.740609	2.623015	0.018473	0.043046	-4.47578	7.616824	7.647602	7.617005	7.604605	7.633184	7.591772	7.630744	7.593896	7.639827	7.625958	7.671658	7.637581	7.633724	7.647794	7.646624	7.657752
PAFAH1B1	cg2643559	0.053603	6.930435	2.9714	0.009012	0.024115	-3.64354	7.705028	7.699877	7.724749	7.737151	7.733653	7.733144	7.712794	7.733625	7.731411	7.733702	7.777607	7.76032	7.780896	7.739505	7.738998	7.741601
MTSS1	cg2452130	0.053615	6.66433	3.0394	0.00782	0.021456	-3.70976	7.566099	7.572859	7.558194	7.577379	7.588271	7.593283	7.565336	7.595862	7.574377	7.598377	7.632603	7.608259	7.623638	7.592495	7.595839	7.60328
CADM1	cg0967092	0.053633	6.928278	3.070503	0.007328	0.020383	-3.44555	7.713683	7.720306	7.735824	7.734737	7.711427	7.726587	7.733655	7.709815	7.742907	7.713695	7.734351	7.783193	7.75002	7.771127	7.750419	7.732289
THRB	cg0758149	0.053696	7.889541	4.518449	0.000351	0.001739	-0.45881	8.356639	8.36105	8.346772	8.342417	8.334141	8.338116	8.33572	8.347928	8.348061	8.346317	8.364748	8.374112	8.388719	8.383831	8.37031	8.40977
RASSF8	cg0136476	0.053735	7.748049	4.688765	0.000247	0.001312	-0.04417	8.238858	8.234	8.215001	8.248042	8.227146	8.230091	8.244904	8.245222	8.254951	8.265499	8.290814	8.308195	8.292053	8.275535	8.281194	8.286128
TCF7L2	cg1950684	0.053765	7.889795	5.317975	6.97E-05	0.000468	1.187034	8.349154	8.345673	8.360707	8.353854	8.333659	8.341201	8.342043	8.349928	8.350423	8.334674	8.383733	8.381502	8.363907	8.387492	8.397764	8.375724
AKT1	cg1041560	0.053864	7.864815	4.687259	0.000248	0.001316	-0.09365	8.335573	8.319608	8.32034	8.328847	8.34749	8.338443	8.319107	8.318124	8.332557	8.330007	8.36692	8.371385	8.380954	8.342846	8.358314	8.353081
NR4A1	cg2680042	0.053876	7.400769	3.440981	0.003363	0.010855	-2.57889	7.999524	7.993494	8.005739	8.021207	7.994477	8.009235	8.027806	8.020425	8.018399	7.996692	8.026968	8.082183	8.038624	8.055586	8.057164	8.034449
PTPRC	cg2287544	0.053881	7.952706	3.46267	0.003213	0.010449	-2.70693	8.424269	8.400803	8.391291	8.428624	8.368124	8.416937	8.390613	8.374434	8.381321	8.383594	8.407296	8.425606	8.42779	8.428102	8.439558	8.394326
FAM188A	cg1491541	0.053915	7.792414	3.242434	0.005109	0.01527	-3.09594	8.263929	8.254271	8.267696	8.240771	8.237041	8.247471	8.329363	8.263932	8.280342	8.289251	8.307612	8.309415	8.32685	8.337295	8.353494	8.330834
NEDD4L	cg1764302	0.053917	7.638753	2.579907	0.020163	0.046123	-4.36051	8.179249	8.199088	8.199093	8.160359	8.200712	8.190118	8.139272	8.201971	8.136486	8.15581	8.185601	8.202464	8.155686	8.230472	8.187788	8.199731
FOXP1	cg1099136	0.053924	6.9709	3.200122	0.005585	0.016394	-3.15429	7.748139	7.753423	7.762143	7.750212	7.758844	7.755143	7.720674	7.76287	7.757425	7.740453	7.773433	7.785836	7.77316	7.779538	7.795638	7.738887
THBS1	cg1007851	0.053934	6.964122	4.930007	0.000151	0.000881	0.455095	7.753896	7.743244	7.76119	7.752629	7.749585	7.754345	7.743566	7.735406	7.742374	7.74011	7.783589	7.750114	7.779126	7.774581	7.76918	7.759588
TCF4	cg0831266	0.053981	7.742119	2.801529	0.012814	0.032065	-3.96212	8.224862	8.231583	8.231992	8.289728	8.225687	8.235369	8.235852	8.226095	8.249813	8.2535	8.298135	8.293054	8.290568	8.26816	8.238118	8.278486
EGR2	cg1443560	0.053987	7.493009	3.033643	0.007915	0.021657	-3.42988	8.079596	8.082397	8.055522	8.069302	8.073966	8.055645	8.069897	8.08156	8.059995	8.079999	8.115978	8.078392	8.114438	8.148903	8.078512	8.106469
RARRES3	cg1671361	0.054033	7.837096	4.881906	0.000167	0.000954	0.323961	8.327403	8.306975	8.334007	8.307701	8.307059	8.314975	8.292243	8.316571	8.298146	8.302933	8.33989	8.323627	8.332702	8.351549	8.351723	8.338099
KLF5	cg2031476	0.05416	7.097779	3.456145	0.003257	0.010562	-2.545	7.799232	7.818966	7.81541	7.833779	7.801278	7.813157	7.843544	7.833323	7.807556	7.830714	7.858776	7.868947	7.835605	7.853894	7.857743	7.881318
DAPK1	cg0229252	0.05417	7.18341	2.550127	0.021415	0.048448	-4.36212	7.851614	7.861317	7.892714	7.892046	7.886313	7.88017	7.869603	7.861401	7.901934	7.86004	7.917746	7.924944	7.918271	7.858963	7.897346	7.91041
CDH13	cg2285664	0.054183	7.193994	2.747465	0.014323	0.035023	-3.97852	7.861024	7.869415	7.878064	7.897666	7.897181	7.880208	7.868725	7.87118	7.899349	7.887215	7.926455	7.922421	7.951287	7.891909	7.887356	7.899511
WIF1	cg2416686	0.054197	7.491258	4.551612	0.000328	0.001645	-0.26168	8.079729	8.068213	8.066902	8.086419	8.073713	8.05705	8.081175	8.065713	8.062119	8.068449	8.096359	8.096619	8.110402	8.123612	8.105886	8.088931
DLEC1	cg1154252	0.054267	7.243259	3.543563	0.002708	0.00911	-2.35362	7.892462	7.925334	7.890115	7.919981	7.929035	7.894062	7.930836	7.91881	7.90905	7.895036	7.949731	7.940138	7.941804	7.957625	7.948116	7.935097
PPM1L	cg1329205	0.05434	7.048665	3.003467	0.008429	0.022806	-3.49713	7.797631	7.801477	7.780798	7.808833	7.785487	7.767368	7.801528	7.771218	7.811306	7.800797	7.840134	7.844008	7.804897	7.842483	7.811557	7.815223
SALL2	cg1076438	0.054367	7.746896	3.833511	0.001469	0.005497	-1.83314	8.270664	8.252859	8.26184	8.239323	8.229635	8.243114	8.241081	8.216568	8.25574	8.249342	8.277742	8.287276	8.255719	8.287403	8.268015	8.287545
EZH1	cg1731580	0.054431	7.902773	4.108694	0.000824	0.003451	-1.32731	8.367653	8.356286	8.342591	8.356368	8.343213	8.346943	8.33682	8.348298	8.345465	8.393827	8.398209	8.402968	8.398445	8.391931	8.391513	8.381454
FOXA2	cg0892632	0.054462	6.617013	5.43292	5.55E-05	0.000387	1.226977	7.551538	7.55103	7.550835	7.558989	7.56134	7.560774	7.555103	7.549357	7.558463	7.561245	7.587129	7.592859	7.587227	7.58572	7.56953	7.568651
LRRC3B	cg1762311	0.054523	7.330276	5.053692	0.000118	0.00072	0.791339	7.966469	7.971385	7.965879	7.965723	7.976889	7.970221	7.976043	7.960074	7.962524	7.95764	7.998442	7.992424	7.989102	7.98312	8.004109	8.014991
FOXP1	cg1305755	0.054551	7.23625	2.915439	0.010123	0.026483	-3.64458	7.909423	7.867786	7.925369	7.893641	7.911825	7.901675	7.893283	7.898425	7.920228	7.930203	7.966598	7.939292	7.958558	7.923358	7.939664	7.928587
CADM1	cg1554700	0.054568	7.317633	3.47084	0.003158	0.010299	-2.50834	7.956479	7.977283	7.96123	7.989026	7.963424	7.9778	7.956264	7.945048	7.956143	7.944193	8.016456	7.99297	7.959437	7.986427	7.977513	7.966648
PARK2	cg1075796	0.054662	6.638529	3.855492	0.001402	0.005305	-2.02943	7.574283	7.543746	7.562271	7.564718	7.561778	7.55918	7.576347	7.578999	7.563175	7.564015	7.573223	7.602824	7.603726	7.615895	7.585402	7.600064
WWOX	cg2551366	0.0547	7.90619	6.570809	6.49E-06	6.86E-05	3.612318	8.340908	8.355128	8.361852	8.348272	8.356163	8.364633	8.351852	8.365368	8.355588	8.361067	8.39355	8.398643	8.404006	8.391486	8.396168	8.396606
ARNTL	cg0356244	0.054705	7.945336	3.899441	0.001278	0.004937	-1.7903	8.38189	8.390494	8.384198	8.355644	8.383269	8.406464	8.377621	8.39517	8.358993	8.413665	8.419357	8.429989	8.420999	8.415587	8.428845	8.434734
NRF1	cg0792131	0.054715	7.061286	2.576028	0.020322	0.046379	-4.33958	7.829922	7.811459	7.811114	7.798906	7.808883	7.791582	7.825123	7.781067	7.776523	7.805227	7.803498	7.845181	7.792157	7.844686	7.854288	7.824636
EBF3	cg1867650	0.054719	7.61865	4.603986	0.000294	0.001504	-0.18124	8.166526	8.135536	8.151918	8.156036	8.152767	8.156271	8.166692	8.163147	8.153924	8.144067	8.201714	8.197003	8.166995	8.195984	8.195635	8.199268
PTPRJ	cg1847763	0.054851	7.799039	5.946197	2.06E-05	0.000175	2.47429	8.299951	8.278077	8.287534	8.287771	8.284729	8.27731	8.285397	8.277056	8.272955	8.273476	8.31556	8.303322	8.309758	8.311361	8.321516	8.326348
PPP3CC	cg0682464	0.054904	7.279617	5.056004	0.000117	0.000717	0.798945	7.943881	7.930251	7.943954	7.926088	7.945139	7.951634	7.921581	7.929831	7.929184	7.941046	7.963742	7.967869	7.969537	7.952507	7.958719	7.966161
MXI1	cg2119695	0.054959	6.63722	7.264183	1.91E-06	2.56E-05	4.718623	7.568155	7.562988	7.563627	7.568347	7.571512	7.56578	7.566757	7.562632	7.561647	7.57287	7.593041	7.593686	7.597781	7.591161	7.582435	7.595251
CDH13	cg1310809	0.054973	7.520101	3.309378	0.004438	0.013603	-2.8688	8.095081	8.089423	8.068265	8.088706	8.09616	8.105844	8.076142	8.073457	8.112812	8.091646	8.150614	8.135727	8.135263	8.102067	8.106672	8.111049
SEMA3B	cg2292730	0.055022	7.813816	3.835296	0.001463	0.005484	-1.85812	8.281274	8.313935	8.29963	8.296145	8.29582	8.268239	8.304956	8.272351	8.302284	8.280179	8.323167	8.319733	8.326865	8.31804	8.357549	8.320354
IKZF1	cg1843668	0.055034	7.462633	3.433599	0.003416	0.011001	-2.60188	8.062033	8.031418	8.037789	8.061903	8.057784	8.022172	8.056175	8.037452	8.081852	8.044033	8.11072	8.082266	8.093061	8.087059	8.078676	8.084962
EPB41L3	cg2089821	0.055045	7.416941	3.259148	0.004933	0.014839	-2.95639	8.003065	8.054357	8.039012	8.028048	8.007264	8.039695	8.001413	8.000473	8.045286	8.022458	8.055025	8.055908	8.05724	8.055201	8.050932	8.034309
DMD	cg2496182	0.055075	6.762258	4.047609	0.000936	0.003822	-1.51876	7.608432	7.611824	7.644419	7.627983	7.621478	7.628551	7.624771	7.652847	7.633861	7.638515	7.675586	7.650991	7.674116	7.665559	7.661129	7.663866
NRCAM	cg1770987	0.055082	7.713253	3.931267	0.001196	0.004661	-1.61576	8.213353	8.217487	8.233895	8.235101	8.257652	8.240008	8.217691	8.218038	8.204628	8.211221	8.269884	8.236454	8.263615	8.24743	8.254334	8.226528
HIVEP3	cg0926065	0.055156	7.923263	5.013219	0.000128	0.000769	0.549647	8.374435	8.373291	8.388471	8.370058	8.361872	8.350649	8.358831	8.361088	8.368066	8.387405	8.396252	8.414195	8.404031	8.418677	8.402156	8.409998
TCF4	cg0372538	0.055176	7.899898	3.715632	0.001883	0.006753	-2.15328	8.346375	8.363507	8.348038	8.354189	8.324761	8.379509	8.349436	8.341468	8.381729	8.33587	8.38768	8.398689	8.399253	8.369445	8.390808	8.397963
LIFR	cg1811315	0.055176	7.927448	4.981584	0.000136	0.000809	0.48183	8.36041	8.380505	8.364356	8.378002	8.355356	8.383679	8.384124	8.371572	8.366425	8.371108	8.392993	8.4226	8.418383	8.422909	8.399417	8.416425
TGFBR2	cg1572487	0.055178	7.979696	4.208442	0.000669	0.002913	-1.15327	8.41144	8.421357	8.43145	8.42558	8.431174	8.388841	8.398513	8.40158	8.396064	8.425525	8.43173	8.451812	8.452236	8.42645	8.460963	8.444269
TGFBR2	cg1241952	0.055199	6.653442	4.471567	0.000387	0.001884	-0.72342	7.570095	7.567044	7.582075	7.583967	7.586698	7.571774	7.564387	7.568299	7.58797	7.572462	7.601622	7.615896	7.607548	7.593156	7.593457	7.587174
TCF7L2	cg2395181	0.055332	7.735063	4.003436	0.001027	0.004124	-1.47192	8.23034	8.240434	8.241677	8.243904	8.245855	8.231396	8.24215	8.215111	8.21647	8.260043	8.267299	8.286722	8.270035	8.245274	8.281304	8.273245
DCUN1D3	cg0202647	0.055364	7.009054	2.676392	0.016568	0.039513	-4.18335	7.799037	7.781755	7.7864	7.779998	7.793662	7.754659	7.763362	7.766905	7.74061	7.78283	7.794782	7.809665	7.754681	7.810252	7.818731	7.77411
AHNAK	cg2669954	0.055431	7.794793	5.730659	3.11E-05	0.000243	2.052945	8.283932	8.273367	8.283216	8.265966	8.281978	8.272915	8.259595	8.290315	8.279295	8.281167	8.319098	8.313153	8.31196	8.315904	8.308135	8.324241
CTNND1	cg2127299	0.055441	6.608633	4.499455	0.000365	0.001797	-0.70463	7.54507	7.54395	7.557653	7.548382	7.549238	7.569732	7.541171	7.550806	7.557127	7.554577	7.585264	7.591633	7.574844	7.559873	7.580562	7.570666
ARHGAP29	cg2455269	0.055588	7.929002	2.782517	0.013326	0.033079	-4.09165	8.362366	8.366419	8.358103	8.321328	8.374057	8.426137	8.382057	8.403538	8.350045	8.370039	8.410644	8.411599	8.411238	8.409757	8.424349	8.425603
PTPRD	cg0191036	0.055616	7.68645	2.774534	0.013547	0.033483	-3.99771	8.182446	8.188101	8.198554	8.247947	8.225134	8.196611	8.202526	8.205465	8.195911	8.191683	8.231822	8.245654	8.268404	8.234106	8.24402	8.191732
MCC	cg1690741	0.055624	7.908657	3.75324	0.00174	0.006331	-2.07477	8.343292	8.402707	8.384918	8.359484	8.362395	8.370802	8.324026	8.364928	8.357961	8.358394	8.388754	8.388313	8.38824	8.3967	8.376443	8.4025
EPAS1	cg2594175	0.055676	7.027205	3.19605	0.005633	0.016477	-3.12288	7.777273	7.779574	7.772304	7.817028	7.799246	7.78346	7.769536	7.770327	7.782928	7.784716	7.829214	7.82546	7.815171	7.79093	7.800364	7.784053
PCDH17	cg1243223	0.055686	7.804414	3.879174	0.001334	0.005102	-1.75913	8.309393	8.298149	8.303022	8.293583	8.276707	8.27516	8.274307	8.282877	8.272212	8.286186	8.299797	8.325056	8.296288	8.350534	8.308323	8.321812
DNAJB4	cg1964899	0.055703	6.619464	4.245579	0.000619	0.002736	-1.2278	7.552018	7.550191	7.54833	7.566262	7.563545	7.560258	7.552288	7.552867	7.563746	7.559437	7.585622	7.584867	7.608966	7.5683	7.569575	7.584164
VPS53	cg0722501	0.055714	7.903794	5.823184	2.61E-05	0.000211	2.183332	8.356792	8.341766	8.342442	8.342533	8.362853	8.345067	8.357857	8.368578	8.347444	8.361401	8.38291	8.408988	8.398181	8.395772	8.397899	8.40335

IKZF1	cg1715719	0.055723	7.697732	4.089384	0.000858	0.00356	-1.28216	8.214936	8.224065	8.185573	8.197676	8.181809	8.216689	8.196259	8.223115	8.211837	8.221251	8.248432	8.242618	8.254718	8.265981	8.23605	8.254256
TSC22D1	cg2453124	0.055729	6.645577	3.556956	0.002633	0.008898	-2.66149	7.587586	7.593227	7.58122	7.566045	7.564676	7.564804	7.553991	7.58466	7.562372	7.566984	7.587344	7.585558	7.570732	7.60745	7.604063	7.607111
RCHY1	cg1009046	0.055741	7.948257	5.30244	7.18E-05	0.000478	1.129092	8.414612	8.387444	8.381669	8.400376	8.406637	8.383642	8.385819	8.389413	8.375902	8.376954	8.420522	8.418842	8.417655	8.427251	8.4087	8.435058
KCNRG	cg1794898	0.055765	7.976552	5.044421	0.00012	0.00073	0.588409	8.430699	8.407103	8.420349	8.389056	8.416142	8.412674	8.410389	8.388592	8.399912	8.420564	8.441523	8.44271	8.440292	8.454345	8.437671	8.449993
DCN	cg2677744	0.055806	7.115252	2.702784	0.015697	0.037797	-4.07427	7.842221	7.824724	7.875489	7.851893	7.81204	7.830098	7.814918	7.856968	7.809432	7.836692	7.849583	7.843619	7.849293	7.877641	7.862691	7.88362
UNC5D	cg0029760	0.055846	7.613118	4.266679	0.000592	0.00264	-0.88377	8.155803	8.151917	8.140509	8.13664	8.168956	8.177267	8.143356	8.153553	8.147098	8.153132	8.189049	8.193104	8.193236	8.188075	8.161176	8.190098
GPC3	cg1486786	0.055875	7.358505	3.261788	0.004906	0.014788	-2.94557	7.966027	7.995082	7.98498	8.01824	7.987567	7.970927	7.986679	7.975249	7.986006	7.978903	8.008867	8.016172	8.039164	8.038342	7.991712	8.000889
CUX1	cg1073509	0.055942	7.803092	3.088974	0.00705	0.019764	-3.41037	8.253804	8.281497	8.275711	8.247985	8.291726	8.304363	8.328778	8.257796	8.283497	8.279897	8.327402	8.33803	8.317447	8.321653	8.337032	8.312842
GPRC5A	cg0427755	0.055957	7.935901	5.219884	8.46E-05	0.000551	0.968267	8.383485	8.39533	8.37147	8.401804	8.385544	8.389628	8.36242	8.386126	8.38561	8.355092	8.420678	8.413777	8.41009	8.414991	8.409649	8.400626
IKZF1	cg1813666	0.055983	7.030946	4.766125	0.000211	0.001153	0.160572	7.809299	7.797944	7.779265	7.803137	7.785126	7.78209	7.77019	7.775675	7.785627	7.77829	7.795465	7.811124	7.815559	7.811613	7.810121	7.80566
PPP3CC	cg1610206	0.056008	7.413181	2.681473	0.016397	0.039172	-4.1194	7.995582	8.034256	8.049495	8.042796	8.015834	8.040144	7.993983	8.02011	8.020907	8.014753	8.051195	8.037673	8.073668	8.075283	8.00246	8.042731
NRCAM	cg2153498	0.056026	7.831766	4.057863	0.000916	0.003756	-1.39822	8.306694	8.319245	8.292134	8.273841	8.314149	8.314761	8.292373	8.320031	8.31138	8.289406	8.328553	8.355262	8.32948	8.336427	8.351188	8.350325
IFT88	cg1715787	0.056032	6.975844	3.174385	0.005895	0.017092	-3.20717	7.760555	7.767374	7.751555	7.738016	7.769104	7.789888	7.75462	7.740248	7.729573	7.752973	7.779889	7.793698	7.749951	7.771417	7.760856	7.791962
TMEM127	cg0159664	0.056036	6.665003	3.842636	0.001441	0.005415	-2.04254	7.57075	7.579452	7.578607	7.598713	7.59407	7.599179	7.582921	7.570662	7.569702	7.583803	7.613692	7.609688	7.619763	7.583311	7.589941	7.6066
PAX6	cg2348459	0.056082	7.386768	2.773182	0.013585	0.033562	-3.93687	8.022911	8.009171	8.009795	7.986638	8.005817	8.017129	8.023875	8.013808	7.969508	7.984115	8.029311	8.013265	7.994335	8.046327	8.060833	8.049685
SMARCA2	cg1412035	0.0562	6.622245	5.80516	2.70E-05	0.000218	1.973841	7.553315	7.552742	7.551596	7.566653	7.559904	7.558863	7.559366	7.554628	7.562155	7.559649	7.602618	7.586102	7.586439	7.587988	7.575245	7.576045
HACE1	cg2478442	0.056201	7.875434	2.76159	0.013913	0.034225	-4.10382	8.364274	8.358509	8.303808	8.290802	8.333532	8.339533	8.341242	8.316391	8.33862	8.348482	8.377084	8.349181	8.383943	8.406452	8.386684	8.348367
CTGF	cg0026183	0.056203	7.177523	2.876944	0.010965	0.028259	-3.72258	7.880518	7.896486	7.883141	7.848679	7.873577	7.857607	7.866805	7.883681	7.854177	7.871848	7.872734	7.876419	7.899875	7.934802	7.91533	7.911101
VPS53	cg0049722	0.056208	7.82587	5.229855	8.30E-05	0.000543	1.0385	8.284584	8.297714	8.314153	8.28657	8.304909	8.311084	8.294288	8.310567	8.283832	8.306021	8.326247	8.34324	8.337769	8.338849	8.334362	8.343527
NCOA4	cg1932286	0.056234	6.66674	5.711742	3.23E-05	0.000249	1.828385	7.576616	7.575082	7.581275	7.581689	7.577039	7.583629	7.582931	7.581761	7.571098	7.594868	7.612728	7.616638	7.605585	7.621921	7.606482	7.596238
BMPR1A	cg1935961	0.056241	7.283094	3.425325	0.003476	0.011154	-2.60156	7.943492	7.929717	7.935528	7.925688	7.952906	7.946476	7.957858	7.918311	7.925118	7.93527	7.989054	7.967513	7.952423	7.992833	7.94733	7.957284
NR2C2	cg2094757	0.056244	7.884765	5.251772	7.94E-05	0.000523	1.052268	8.339544	8.33477	8.33143	8.3246	8.345055	8.321429	8.358804	8.335035	8.362774	8.328146	8.389569	8.377284	8.381808	8.383922	8.384713	8.395148
RUNX3	cg0615626	0.056271	7.675352	3.305315	0.004476	0.013706	-2.9195	8.183591	8.181957	8.173417	8.194582	8.186198	8.20129	8.180808	8.184883	8.210264	8.216732	8.241787	8.248505	8.268179	8.212637	8.203778	8.238975
CSMD1	cg0866824	0.056309	7.045197	3.123232	0.006562	0.01866	-3.25876	7.795401	7.805243	7.772358	7.814226	7.810224	7.770986	7.798736	7.792224	7.76526	7.802117	7.826421	7.818726	7.813131	7.834385	7.834894	7.797184
TRIM13	cg2610859	0.056315	7.328286	3.721725	0.001859	0.00669	-1.98471	7.965616	7.974854	7.955689	7.937832	7.956114	7.99317	7.969764	7.964355	7.954632	7.970156	7.987399	7.983951	8.009482	8.016118	8.002126	7.994054
CBFA2T3	cg0276042	0.056329	7.631446	3.076364	0.007239	0.020184	-3.37591	8.151833	8.16066	8.153119	8.180548	8.162803	8.172671	8.147908	8.151085	8.177337	8.179618	8.226265	8.223885	8.205681	8.163219	8.174208	8.213175
HIPK2	cg1135560	0.056337	7.910089	4.077929	0.000879	0.003632	-1.38656	8.369268	8.403709	8.394324	8.389441	8.366903	8.389476	8.343442	8.361922	8.327938	8.341681	8.364069	8.37536	8.381561	8.370992	8.402365	8.404004
NR4A1	cg0077381	0.05634	6.66992	3.184857	0.005767	0.016775	-3.42461	7.612622	7.606508	7.606298	7.619208	7.577823	7.586572	7.575399	7.559076	7.561582	7.592254	7.597303	7.605162	7.583653	7.595507	7.627238	7.586385
RAP1A	cg0700495	0.056362	6.607931	5.500076	4.87E-05	0.000346	1.349259	7.545706	7.558133	7.555514	7.551472	7.568475	7.558102	7.549485	7.544132	7.549132	7.548131	7.566062	7.586092	7.582347	7.574149	7.56101	7.576446
FAM188A	cg1527041	0.056393	6.621095	5.311714	7.05E-05	0.000472	0.981223	7.55784	7.560275	7.567814	7.559791	7.56905	7.564278	7.55121	7.556545	7.560378	7.54928	7.583022	7.565755	7.599256	7.588087	7.570131	7.580709
CBL	cg0712384	0.05645	7.791791	4.955371	0.000144	0.000843	0.497091	8.311451	8.270412	8.280096	8.281651	8.299082	8.294442	8.263649	8.26818	8.263373	8.269686	8.311197	8.30501	8.306573	8.31735	8.294111	8.293677
SASH1	cg1801416	0.056507	7.945949	4.770704	0.000209	0.001145	0.039489	8.393425	8.384684	8.396527	8.364339	8.403358	8.401403	8.385542	8.37309	8.370965	8.398716	8.422804	8.418737	8.42779	8.417619	8.407564	8.437167
ZBTB4	cg0716821	0.05656	7.583094	5.48349	5.03E-05	0.000355	1.623879	8.129917	8.147989	8.135414	8.119393	8.132597	8.122802	8.126587	8.120706	8.133655	8.142304	8.159353	8.169001	8.17568	8.171955	8.165826	8.163247
DOK1	cg0083124	0.056598	7.772046	6.153618	1.40E-05	0.000128	2.883739	8.279333	8.265268	8.252963	8.265083	8.266393	8.250169	8.261215	8.254463	8.257023	8.266087	8.298974	8.293865	8.297775	8.306435	8.294893	8.296891
AHNAK	cg1022106	0.056601	7.405561	2.661477	0.01708	0.040458	-4.15905	7.985128	8.006962	8.002475	8.009408	8.022847	8.012758	8.020706	7.979425	8.03264	8.040179	8.082162	8.072375	8.074132	8.033146	8.036716	8.021489
CCNDBP1	cg2468510	0.056624	7.772464	5.966868	1.98E-05	0.000171	2.522771	8.25642	8.263745	8.259229	8.24017	8.262523	8.270993	8.254582	8.27367	8.259706	8.263119	8.304418	8.294794	8.298652	8.299247	8.301909	8.308595
PTPRJ	cg2432093	0.056664	7.918542	4.36776	0.00048	0.002234	-0.78974	8.37331	8.375262	8.357023	8.353025	8.351996	8.378423	8.3899	8.36594	8.363014	8.343997	8.388164	8.396624	8.397531	8.414047	8.421569	8.414989
SEMA3B	cg1281953	0.056686	7.464064	4.339743	0.000509	0.002326	-0.70053	8.043284	8.040043	8.065546	8.051033	8.059887	8.041975	8.059704	8.063834	8.055977	8.03173	8.084061	8.069299	8.092817	8.107717	8.093065	8.083943
PTPRJ	cg1985138	0.056724	7.338138	3.17737	0.005858	0.016994	-3.11721	7.959963	7.967148	7.991202	7.982611	7.976474	8.015428	7.969987	7.960176	7.955137	7.969285	8.025484	7.989351	8.004536	7.968762	8.012497	7.987772
EXTL2	cg0455960	0.056751	6.707017	3.21181	0.005449	0.016067	-3.32392	7.606625	7.606049	7.598234	7.611083	7.617824	7.588372	7.606501	7.617003	7.600804	7.580404	7.602412	7.655563	7.611372	7.639073	7.629299	7.637038
CD44	cg0860635	0.056757	6.641022	3.154398	0.006147	0.017694	-3.50125	7.579753	7.55174	7.586066	7.557598	7.585964	7.563614	7.574471	7.547891	7.588806	7.553814	7.59304	7.607069	7.585354	7.573547	7.60356	7.59793
MTUS1	cg1922321	0.056769	7.798354	3.059893	0.007492	0.020745	-3.46426	8.277202	8.263474	8.276585	8.26879	8.322981	8.281627	8.259408	8.277827	8.279167	8.296138	8.331452	8.346787	8.317424	8.291207	8.288213	8.326995
PAX6	cg1324515	0.056808	7.83385	2.980621	0.00884	0.023733	-3.64192	8.318525	8.328788	8.311441	8.29016	8.307772	8.30044	8.34491	8.289258	8.288095	8.284754	8.311605	8.327263	8.325956	8.373249	8.365894	8.341195
STK11	cg1400931	0.056819	7.963133	5.903768	2.24E-05	0.000187	2.312932	8.390635	8.406761	8.373861	8.396165	8.383071	8.406513	8.405048	8.400255	8.404901	8.392242	8.439891	8.438997	8.447415	8.442703	8.431065	8.445479
DAB2	cg2263502	0.056825	7.909653	4.208238	0.000669	0.002913	-1.12	8.368312	8.356691	8.374759	8.337479	8.361179	8.362418	8.361029	8.359875	8.334227	8.377606	8.371866	8.397547	8.402259	8.393713	8.407933	8.414731
TCEB3	cg2588057	0.056859	7.938685	3.311581	0.004418	0.013555	-3.01143	8.42539	8.378517	8.391021	8.389281	8.429449	8.399192	8.409109	8.351476	8.343168	8.363092	8.395291	8.403252	8.406118	8.422586	8.411806	8.400471
ZC3H10	cg1613460	0.056859	7.193338	4.132347	0.000784	0.003321	-1.11781	7.87547	7.895081	7.886905	7.881853	7.90591	7.894152	7.866173	7.879706	7.876652	7.875013	7.919758	7.91982	7.898756	7.894444	7.888199	7.923616
PAX6	cg1593194	0.056881	7.239631	2.79538	0.012978	0.03239	-3.88403	7.88492	7.875604	7.909041	7.924309	7.914675	7.911955	7.921724	7.89648	7.917267	7.912146	7.964759	7.973513	7.950837	7.902671	7.940755	7.941268
SFRP1	cg0107458	0.056907	7.210733	5.622716	3.84E-05	0.000285	1.938665	7.89657	7.896986	7.882059	7.891269	7.892952	7.902534	7.88437	7.894829	7.887003	7.890251	7.932673	7.918624	7.917175	7.911739	7.933151	7.921045
FOXP1	cg0585415	0.056934	7.67708	3.642547	0.002198	0.007671	-2.21833	8.183122	8.166743	8.181051	8.194929	8.193935	8.150271	8.214164	8.188588	8.189005	8.228063	8.240902	8.252609	8.248542	8.227299	8.22747	8.260699
PTPN1	cg2624750	0.056988	7.900179	3.196072	0.005632	0.016477	-3.24069	8.337586	8.336787	8.372554	8.319647	8.314117	8.373245	8.343118	8.338406	8.367074	8.383183	8.406582	8.388271	8.412206	8.391956	8.376073	8.412053
CAPG	cg1482536	0.056997	7.895364	6.844227	3.97E-06	4.65E-05	4.124506	8.353698	8.359806	8.360184	8.358817	8.358559	8.357001	8.334766	8.34898	8.340169	8.347658	8.387285	8.381068	8.38231	8.385015	8.36705	8.39325
HIVEP3	cg2634990	0.057011	7.899862	3.424522	0.003482	0.011161	-2.76212	8.333936	8.372115	8.354743	8.35713	8.400067	8.31959	8.33956	8.360672	8.35605	8.340409	8.38957	8.392566	8.391974	8.401498	8.377851	8.380632
DAPK2	cg2465769	0.057018	7.617793	3.748025	0.001759	0.006385	-1.97627	8.149023	8.146826	8.162207	8.139244	8.147767	8.189336	8.149742	8.171816	8.150732	8.142022	8.210866	8.183873	8.169408	8.19971	8.181476	8.20022
FBXL13	cg0901900	0.057074	7.036655	3.083872	0.007126	0.019932	-3.34914	7.803912	7.766677	7.807475	7.787618	7.837003	7.794583	7.783426	7.767291	7.777112	7.785962	7.819465	7.811811	7.825512	7.801368	7.78748	7.814008
MAPK10	cg0544403	0.057112	6.694321	4.473276	0.000386	0.00188	-0.6892	7.605164	7.606902	7.592144	7.61403	7.607121	7.600807	7.58624	7.595955	7.594809	7.584948	7.626556	7.638767	7.598216	7.60731	7.626703	7.613056
SPI1	cg0356586	0.057215	7.890971	3.581007	0.002502	0.008536	-2.43198	8.39041	8.341716	8.337037	8.334823	8.316886	8.345502	8.325858	8.350536	8.356529	8.35097	8.378719	8.388239	8.370997	8.397746	8.402701	8.377005
FLCN	cg1224656	0.057247	6.817264	2.647056	0.01759	0.041358	-4.36625	7.641927	7.64933	7.677248	7.658387	7.643834	7.658701	7.656856	7.659056	7.66682	7.681091	7.747889	7.667621	7.683446	7.70129	7.700245	7.673198
ARL11	cg0142573	0.057278	7.599544	4.806911	0.000194	0.001078	0.245519	8.14627	8.119424	8.155283	8.143015	8.144642	8.158543	8.149829	8.145629	8.128221	8.137864	8.191646	8.172269	8.165794	8.184308	8.174572	8.177747
NR4A3	cg0191762	0.057326	6.997584	3.108154	0.006773	0.01913	-3.32096	7.792374	7.733795	7.764326	7.755213	7.771857	7.768405	7.742459	7.75986	7.777297	7.772529	7.799252	7.813057	7.798976	7.800694	7.774628	7.779716
ZHX2	cg1060082	0.057342	7.940306	4.179379	0.00071	0.003056	-1.19492	8.383188	8.406349	8.400331	8.387429	8.383804	8.360281	8.370457	8.368854	8.383061	8.387216	8.410802	8.425266	8.405076	8.430385	8.395067	8.440432
TDGF1	cg0722564	0.057358	7.87968	4.803434	0.000196	0.001084	0.142202	8.354193	8.352603	8.346758	8.354993	8.360795	8.320652	8.326979	8.332414	8.31618	8.346598	8.354204	8.372611	8.378187	8.36465	8.372256	8.380612
CDH13	cg0314225	0.057403	7.319416	3.054192	0.007582	0.020959	-3.36808	7.967053	7.927242	7.962846	7.975181	7.971458	7.95643	7.936348	7.953287	7.975948	7.965108	8.011073	8.013233	8.007002	7.983995	7.970763	7.968319
PAX6	cg0922468	0.057481	7.900017	3.080547	0.007176	0.020042	-3.4751	8.384009	8.334072	8.364234	8.323675	8.351364	8.340984	8.382653	8.333915	8.334506	8.361268	8.370572	8.395802	8.372553	8.423645	8.387159	8.41018
FBXO25	cg2631633	0.057537	7.852562	5.106031	0.000106	0.000664	0.772892	8.338549	8.304603	8.312982	8.299585	8.310879	8.320527	8.320008	8.304988	8.335086	8.318752	8.354518	8.369638	8.357085	8.36429	8.350455	8.361376
GBP1	cg2339688	0.057554	7.88458	5.736147	3.08E-05	0.000241	2.02214	8.34089	8.335883	8.34719	8.33778	8.343832	8.314118	8.327596	8.346353	8.355793	8.34269	8.379904	8.378482	8.390208	8.384255	8.38431	8.38236
LATS1	cg2642807	0.057583	6.728303	4.356399	0.000491	0.002274	-0.89772	7.615499	7.589755	7.608109	7.621017	7.601351	7.62159	7.62219	7.612582	7.623341	7.606133	7.647641	7.642133	7.657728	7.646531	7.648751	7.625722
RASSF1	cg0713026	0.057597	7.915898	3.82949	0.001481	0.005532	-1.92024	8.382742	8.366308	8.38128	8.353754	8.338762	8.38824	8.346095	8.373008	8.366856	8.354229	8.38946	8.394065	8.39651	8.380189	8.420063	8.422511
NFKB1	cg0810933	0.057602	7.795323	4.59502	0.0003	0.001528	-0.25311	8.286716	8.265265	8.286454	8.30414	8.28065	8.26323	8.287918	8.259122	8.280626	8.271448	8.3046	8.323618	8.320626	8.320462	8.31694	8.298498
RHOBTB2	cg2222964	0.057622	7.872329	5.591242	4.08E-05	0.000299	1.743149	8.34168	8.33741	8.33968	8.327991	8.336763	8.322042	8.316712	8.324224	8.335758	8.345	8.36228	8.381432	8.372131	8.370795	8.356474	8.379777
PLEKHO1	cg0157058	0.057632	7.566976	3.187859	0.00573	0.016694	-3.12945	8.112706	8.105151	8.111611	8.103519	8.160992	8.141016	8.11926	8.109531	8.116018	8.12869	8.176293	8.16372	8.175363	8.130975	8.14887	8.138931
BMPR1A	cg1297682	0.057647	7.547134	2.545907	0.021599	0.048814	-4.40488	8.118475	8.099828	8.141769	8.082873	8.081818	8.105593	8.101472	8.143609	8.08963	8.09572	8.109981	8.139279	8.119599	8.183011	8.153159	8.163702
PEG3	cg1541589	0.057664	7.240838	2.730682	0.014825	0.036036	-4.01139	7.928155	7.878278	7.899106	7.918666	7.932992	7.952157	7.909912	7.906889	7.903108	7.895897	7.95675	7.957542	7.939902	7.928538	7.944002	7.901409
CADM1	cg1693570	0.057679	7.478273	3.700328	0.001945	0.006938	-2.04562	8.048039	8.066342	8.043421	8.067954	8.089763	8.067124	8.060456	8.06639	8.051378	8.058777	8.097889	8.098643	8.120944	8.090147	8.101555	8.065249
KANK1	cg1266704	0.057695	7.475208	2.735916	0.014666	0.035712	-4.02379	8.021818	8.036349	8.020499	8.076899	8.063524	8.045893	8.075738	8.067314	8.071429	8.05692	8.131088	8.098712	8.126054	8.098913	8.1167	8.055733
PRDM2	cg2455011	0.057714	7.869224	4.753981	0.000216	0.001179	0.036682	8.322727	8.307116	8.333924	8.304328	8.290608	8.334694	8.339651	8.347206	8.332581	8.332842	8.36806	8.37169	8.370915	8.380771	8.394045	8.384337
UVRAG	cg0332880	0.057816	6.773691	3.357085	0.004014	0.012533	-2.96431	7.632322	7.637971	7.631836	7.636633	7.62608	7.638228	7.624971	7.630757	7.651363	7.654692	7.681616	7.68502	7.667211	7.629916	7.669883	7.685064
C2orf40	cg2183897	0.057894	7.843838	4.820227	0.000189	0.001055	0.18939	8.312932	8.289195	8.322758	8.318334	8.295347	8.303666	8.309505	8.299327	8.329576	8.31796	8.36157	8.352074	8.36463	8.344035	8.339082	8.363479
CHD5	cg0129526	0.057981	7.818742	5.747298	3.02E-05	0.000238	2.076528	8.300321	8.309361	8.300298	8.292006	8.301913	8.279123	8.290238	8.289302	8.297772	8.288399	8.31874	8.339222	8.321313	8.340477	8.327382	8.340485
MIA2	cg2329225	0.057995	7.86966	3.861006	0.001386	0.005261	-1.83231	8.312695	8.333873	8.340003	8.344645	8.289485	8.351035	8.341402	8.338213	8.314653	8.328178	8.361384	8.366269	8.367866	8.380423	8.388626	8.361126
FOXP1	cg0571614	0.058009	7.728518	3.83171	0.001474	0.00551	-1.83179	8.221837	8.2251	8.215394	8.244448	8.238265	8.250595	8.23788	8.219314	8.220743	8.237235	8.273975	8.28771	8.27554	8.257825	8.232225	8.280164
TDGF1	cg2742799	0.058013	7.920744	3.19955	0.005591	0.016407	-3.24047	8.367475	8.400506	8.372216	8.349464	8.358665	8.362181	8.341487	8.357114	8.414492	8.349434	8.406538	8.407816	8.403054	8.406026	8.384837	8.429502
RUNX3	cg0422187	0.058102	7.841763	7.278266	1.86E-06	2.52E-05	4.923927	8.312232	8.307384	8.305357	8.31481	8.316666	8.316633	8.304022	8.309374	8.308771	8.311918	8.355033	8.3527	8.353875	8.345179	8.337711	8.347521
FBXL13	cg2343010	0.058134	7.97113	3.390453	0.003741	0.011801	-2.8702	8.418449	8.386919	8.38736	8.444859	8.421536	8.392096	8.424487	8.394872	8.410082	8.370633	8.435609	8.459774	8.442298	8.432054	8.453615	8.424242
THRB	cg1351832	0.058166	6.665275	4.814814	0.000191	0.001064	0.001942	7.590467	7.586184	7.570115	7.574771	7.586952	7.598314	7.586796	7.564668	7.589616	7.569813	7.611511	7.613569	7.603925	7.602888	7.599006	7.604468
TGFBR2	cg1292672	0.05828	6.686117	4.132131	0.000784	0.003321	-1.40915	7.595809	7.59004	7.589793	7.585406	7.60234	7.593015	7.592391	7.580343	7.579689	7.608367	7.637782	7.60537	7.623322	7.600987	7.612263	7.632625
TCF4	cg0702333	0.058313	7.940036	4.514884	0.000354	0.001748	-0.49197	8.36899	8.37101	8.411395	8.376882	8.389217	8.368712	8.375304	8.379323	8.381873	8.384156	8.420963	8.421579	8.419782	8.4361	8.394404	8.435325
CBFA2T3	cg2478887	0.058334	6.645096	5.335995	6.72E-05	0.000454	1.057151	7.568057	7.564714	7.556578	7.575544	7.5708	7.574073	7.569667	7.560897	7.575325	7.576262	7.611639	7.606718	7.60387	7.588048	7.588951	7.592849
ABI2	cg0842112	0.058412	7.824675	4.431545	0.00042	0.002013	-0.60974	8.288218	8.305548	8.295818	8.327515	8.268824	8.294108	8.297382	8.302375	8.306642	8.286778	8.34385	8.338451	8.331088	8.327989	8.335491	8.35432
UNC5D	cg1356187	0.058447	7.766614	4.470307	0.000388	0.001888	-0.50174	8.245113	8.2747	8.272647	8.25008	8.245043	8.282273	8.251663	8.245721	8.247806	8.269913	8.282742	8.294966	8.303563	8.30701	8.279151	8.293356
EBF3	cg0616342	0.058476	7.64203	4.736878	0.000224	0.00121	0.088244	8.165024	8.180863	8.176245	8.156376	8.179869	8.15622	8.187669	8.170128	8.163157	8.164434	8.195868	8.199671	8.205326	8.232084	8.210057	8.216671
PAFAH1B1	cg0044170	0.058518	7.969055	4.08177	0.000872	0.003611	-1.41883	8.430752	8.382913	8.414987	8.392951	8.386733	8.375987	8.395581	8.407053	8.393399	8.42029	8.432522	8.447084	8.427917	8.462393	8.454505	8.449646
SGMS1	cg2351855	0.058616	7.161536	3.469386	0.003167	0.010328	-2.51015	7.886068	7.829324	7.863468	7.857448	7.849378	7.883297	7.865022	7.853624	7.866855	7.853707	7.911186	7.887183	7.892856	7.897783	7.900181	7.8728
TGFB1	cg1688314	0.05863	7.855432	6.055643	1.68E-05	0.000148	2.662726	8.32771	8.328126	8.320678	8.336309	8.329564	8.333625	8.325425	8.310998	8.295749	8.322292	8.359713	8.350923	8.354978	8.345253	8.347942	8.366406
EYA4	cg0508523	0.058695	7.428832	3.54639	0.002692	0.009064	-2.36102	8.042604	8.0437	8.036577	8.018807	8.012231	8.046989	8.04672	8.021496	8.019993	8.013125	8.046014	8.049877	8.042516	8.061371	8.092002	8.079926
RPS6KA2	cg1228051	0.058713	7.28295	3.355915	0.004024	0.012553	-2.74572	7.922512	7.919911	7.941712	7.958558	7.931965	7.960024	7.932243	7.92815	7.935067	7.936366	7.987348	7.975299	7.98663	7.939242	7.975988	7.944516
TET2	cg2137445	0.058838	7.526326	4.675004	0.000254	0.00134	-0.00942	8.106457	8.124208	8.112588	8.107451	8.108447	8.099744	8.075545	8.071757	8.092026	8.088898	8.107123	8.134951	8.127364	8.1219	8.096502	8.129934
ALOX15	cg1278676	0.058841	7.314408	2.657648	0.017214	0.040666	-4.15769	7.946447	7.930917	7.94072	7.990876	7.968639	7.961521	7.978545	7.972956	7.901707	7.964081	8.007317	7.98495	7.983362	7.99699	7.980692	7.985039
THRB	cg0724176	0.058863	7.882374	2.648931	0.017523	0.041234	-4.32708	8.344289	8.326873	8.315102	8.311768	8.361991	8.376228	8.335483	8.32361	8.364632	8.329892	8.37418	8.395442	8.41705	8.376015	8.387213	8.3273
WWOX	cg0125602	0.0589	7.174831	3.265043	0.004872	0.014712	-2.93312	7.867213	7.867839	7.875213	7.855705	7.87376	7.854486	7.861732	7.851474	7.8682	7.899088	7.896827	7.930106	7.902775	7.91267	7.869064	7.914564
PDS5B	cg0936473	0.058906	7.822832	3.648181	0.002172	0.007606	-2.25515	8.286219	8.300948	8.294132	8.29355	8.321434	8.306498	8.295354	8.292941	8.327641	8.259184	8.341698	8.342983	8.338068	8.316199	8.316692	8.349899
HIVEP3	cg0643092	0.058918	7.310405	4.12254	0.0008	0.003372	-1.14112	7.944163	7.952986	7.942027	7.972602	7.957537	7.946854	7.965039	7.956377	7.961167	7.926898	7.976597	7.983437	8.002122	7.981021	7.980828	8.003643
RPS6KA2	cg2036190	0.058971	7.796126	5.639333	3.71E-05	0.000278	1.872796	8.280499	8.283833	8.28815	8.268017	8.276188	8.278968	8.271237	8.287023	8.277803	8.268582	8.320163	8.312112	8.29636	8.310963	8.330784	8.3287
CREM	cg0047428	0.059021	7.930762	3.112539	0.006711	0.018975	-3.42064	8.420265	8.366897	8.382219	8.390586	8.338886	8.422577	8.376898	8.366419	8.366159	8.353131	8.407134	8.414148	8.381035	8.420001	8.402069	8.418681
PAX6	cg2684808	0.059165	7.423145	2.563381	0.020849	0.047418	-4.35022	8.027137	8.004027	8.035697	7.996667	8.021602	8.035538	8.031883	8.034034	8.013257	8.029848	8.072655	8.00447	8.090119	8.092592	8.08795	8.03835
DAB2	cg2618633	0.059168	7.560184	2.822286	0.012277	0.030937	-3.86789	8.094133	8.114508	8.096208	8.104614	8.11196	8.172052	8.102236	8.126202	8.119542	8.110581	8.167333	8.175979	8.152005	8.146318	8.160951	8.115181
TXNIP	cg1717562	0.059199	6.784912	7.001641	3.01E-06	3.74E-05	4.355593	7.65189	7.637243	7.65092	7.649632	7.652909	7.650477	7.638584	7.649242	7.636485	7.638386	7.676559	7.663625	7.672128	7.677711	7.666775	7.667619
THBS1	cg2384982	0.059213	6.918066	2.916597	0.010099	0.02644	-3.7656	7.725546	7.691831	7.717312	7.721255	7.737151	7.725544	7.706032	7.700673	7.728594	7.72975	7.761977	7.757686	7.777402	7.747701	7.729554	7.713204
TCF7L2	cg1025509	0.059218	6.719327	4.700193	0.000242	0.001286	-0.19022	7.613638	7.600878	7.618194	7.61249	7.612218	7.611524	7.607314	7.609375	7.608436	7.601654	7.622418	7.654096	7.630558	7.655956	7.636735	7.617007
TES	cg0136651	0.059237	7.975252	4.238281	0.000628	0.002769	-1.0882	8.416601	8.40013	8.440134	8.393973	8.434974	8.39694	8.394649	8.403716	8.3875	8.418778	8.430114	8.443815	8.445116	8.462685	8.431682	8.446149
LSAMP	cg0401468	0.059267	7.552818	4.779407	0.000206	0.001127	0.200258	8.113507	8.126407	8.13672	8.103568	8.122444	8.101458	8.105533	8.100032	8.099127	8.117706	8.122576	8.144674	8.152463	8.144216	8.14812	8.150774
CADM3	cg0606765	0.059284	6.781404	3.887162	0.001312	0.005044	-1.85086	7.650224	7.627409	7.651382	7.63467	7.654815	7.657431	7.63525	7.637688	7.632763	7.651701	7.651788	7.684727	7.687398	7.675915	7.650145	7.666817
GPX3	cg0296641	0.059287	7.896963	6.739471	4.79E-06	5.38E-05	3.92772	8.34113	8.354504	8.342589	8.344866	8.347712	8.333081	8.354361	8.349997	8.340038	8.364275	8.393038	8.392234	8.390646	8.40631	8.388641	8.391342
PLA2G16	cg2238050	0.059289	7.493217	3.032895	0.007927	0.021672	-3.43151	8.064425	8.044719	8.054838	8.087734	8.070835	8.08421	8.057244	8.06351	8.081156	8.085993	8.121077	8.133148	8.139928	8.089246	8.072726	8.10249
PF4	cg0253082	0.059306	7.831295	6.00443	1.85E-05	0.000161	2.574263	8.318779	8.318007	8.303544	8.327188	8.296726	8.301481	8.288736	8.292279	8.302144	8.30428	8.346327	8.335263	8.336399	8.33704	8.330538	8.340685
FAM188A	cg1970735	0.059332	6.778387	3.593879	0.002435	0.008341	-2.46938	7.656997	7.651634	7.638262	7.639894	7.631204	7.633972	7.653365	7.626136	7.65705	7.620042	7.653216	7.64997	7.681638	7.665575	7.683158	7.681878
FOXP1	cg1991628	0.059335	7.59924	3.099528	0.006896	0.019413	-3.31834	8.136475	8.140591	8.165894	8.136619	8.143212	8.158639	8.105042	8.160591	8.126508	8.1594	8.184621	8.187655	8.172196	8.162829	8.209699	8.142364
PCDH9	cg2742214	0.059386	7.603434	6.307921	1.05E-05	0.000101	3.220758	8.1413	8.126172	8.149812	8.133335	8.138366	8.142643	8.136575	8.146231	8.148874	8.157482	8.186695	8.191252	8.190545	8.185036	8.180839	8.18263
PTPN13	cg0204566	0.059411	7.083361	3.261105	0.004913	0.014798	-2.95491	7.794793	7.800641	7.81732	7.819804	7.83189	7.822612	7.812389	7.795056	7.832135	7.811001	7.867534	7.856662	7.867156	7.82155	7.830612	7.833646
CDO1	cg2318093	0.059476	7.919746	6.186798	1.31E-05	0.000122	2.884758	8.381294	8.381699	8.380515	8.36818	8.366103	8.370271	8.356758	8.367697	8.351352	8.364029	8.38223	8.396013	8.403787	8.404313	8.415049	8.409067
RPS6KA2	cg0213852	0.059508	7.791202	2.630388	0.018198	0.042526	-4.31059	8.286038	8.283038	8.301328	8.332737	8.299248	8.288576	8.246512	8.2949	8.260722	8.23393	8.339734	8.289689	8.271767	8.332066	8.259926	8.304208

EPB41L3	cg2430863	0.05952	6.931058	4.300422	0.000552	0.002493	-0.87769	7.741181	7.736548	7.732635	7.718573	7.745676	7.73024	7.722783	7.718954	7.707966	7.727409	7.745036	7.748938	7.745305	7.77838	7.759137	7.730043
NR0B2	cg2458078	0.059544	7.855353	5.076711	0.000113	0.000695	0.71303	8.328936	8.313893	8.33617	8.308607	8.336923	8.298177	8.320742	8.319705	8.313974	8.319422	8.348421	8.367298	8.343672	8.367717	8.368314	8.363226
MAL	cg1976265	0.059545	7.699649	6.207686	1.26E-05	0.000118	3.007819	8.200509	8.212592	8.218288	8.21688	8.221701	8.204083	8.222612	8.204829	8.207016	8.198693	8.249433	8.248799	8.239535	8.250177	8.245094	8.255726
DAPK2	cg1052663	0.059577	7.73257	3.056001	0.007554	0.020894	-3.45076	8.227885	8.228635	8.187811	8.20857	8.233183	8.218657	8.21063	8.234662	8.255585	8.266529	8.309749	8.277804	8.303291	8.291858	8.247621	8.262807
CADM1	cg0435640	0.059587	6.713357	3.632018	0.002247	0.007808	-2.4347	7.577149	7.592768	7.595453	7.604268	7.612347	7.603008	7.620451	7.599588	7.6044	7.615393	7.663219	7.628462	7.654711	7.64618	7.629662	7.615679
VIM	cg0783145	0.059643	7.760851	2.91823	0.010065	0.026369	-3.7372	8.232628	8.251449	8.240197	8.26294	8.229579	8.266729	8.238901	8.228485	8.289001	8.265637	8.318518	8.309037	8.318762	8.300076	8.252098	8.27803
AHNAK	cg0874086	0.059724	6.878819	4.499809	0.000365	0.001796	-0.4957	7.699632	7.712576	7.699975	7.699146	7.717729	7.712489	7.703985	7.674836	7.682379	7.692749	7.730204	7.731162	7.704262	7.730902	7.718293	7.704054
ST7	cg0731687	0.059734	7.893905	4.235156	0.000632	0.002784	-1.05628	8.350438	8.356059	8.360418	8.33094	8.328085	8.345309	8.340995	8.351547	8.332802	8.365612	8.39107	8.368715	8.382305	8.382182	8.424472	8.388572
ZBTB7C	cg2435239	0.05974	7.434392	5.762987	2.93E-05	0.000232	2.20177	8.033298	8.029832	8.028534	8.041579	8.046036	8.030507	8.023572	8.030753	8.039728	8.02507	8.068009	8.082576	8.070075	8.059615	8.063473	8.059143
IGFBP4	cg1547181	0.059757	6.860637	3.559855	0.002617	0.008854	-2.47831	7.68554	7.670177	7.677312	7.673054	7.700081	7.699521	7.687139	7.67359	7.696595	7.685946	7.751944	7.709154	7.720842	7.71735	7.707678	7.696021
SRGAP3	cg1881354	0.059759	7.060029	3.587093	0.00247	0.008442	-2.28706	7.80569	7.787305	7.796034	7.81973	7.789041	7.790997	7.799249	7.801588	7.819957	7.78026	7.826944	7.842797	7.832324	7.846329	7.850734	7.803412
PPP2R5C	cg1734871	0.059765	7.885297	5.738752	3.07E-05	0.000241	2.030214	8.362529	8.345649	8.33583	8.347851	8.351106	8.340326	8.327644	8.352963	8.328522	8.337316	8.389336	8.371216	8.365386	8.388473	8.371924	8.383476
GPRC5A	cg2709914	0.059774	6.873918	4.748859	0.000219	0.001189	0.024296	7.678434	7.697077	7.69835	7.698008	7.687402	7.717674	7.688664	7.698183	7.695455	7.679782	7.723179	7.719389	7.731422	7.727699	7.707443	7.722301
DLEC1	cg1306331	0.059841	7.900016	3.85249	0.001411	0.005324	-1.86531	8.351107	8.341561	8.326513	8.351161	8.364237	8.370821	8.384567	8.353639	8.331725	8.335429	8.372269	8.393745	8.411823	8.399311	8.401728	8.380669
KANK1	cg1359514	0.059855	7.425492	2.940335	0.009613	0.025423	-3.60833	8.04176	7.992292	8.024258	8.041867	8.043959	8.015013	8.010478	8.01746	8.016477	8.058129	8.067837	8.088124	8.077351	8.051086	8.066068	8.02762
PARK2	cg2455512	0.059868	7.545015	3.85214	0.001412	0.005327	-1.73935	8.101548	8.105236	8.137339	8.088062	8.086374	8.111966	8.118709	8.094877	8.109307	8.094639	8.15187	8.135346	8.115889	8.148614	8.146496	8.159669
PARK2	cg2511780	0.059872	7.280937	3.843859	0.001437	0.00541	-1.72548	7.930181	7.937315	7.910634	7.930673	7.933175	7.940089	7.93146	7.91469	7.953676	7.943346	7.985672	7.983636	7.989197	7.963632	7.957156	7.951009
EPHA2	cg1311046	0.059942	7.767568	5.110111	0.000105	0.00066	0.820835	8.265895	8.261154	8.255811	8.271583	8.261497	8.262487	8.245661	8.247259	8.26231	8.258125	8.30328	8.297655	8.302339	8.29914	8.261399	8.300839
DLG1	cg1769675	0.059947	6.913644	3.371509	0.003894	0.012204	-2.83095	7.707897	7.684298	7.694097	7.708219	7.724667	7.722813	7.741	7.708073	7.708439	7.721322	7.775254	7.744436	7.763398	7.756237	7.730202	7.741112
CTGF	cg1735997	0.059986	7.53487	3.122307	0.006575	0.018677	-3.25699	8.096907	8.112221	8.078176	8.074137	8.133665	8.089653	8.070578	8.101462	8.116009	8.104489	8.157004	8.147169	8.133263	8.104471	8.132547	8.145804
TNFAIP3	cg2201411	0.059992	7.464006	2.926619	0.009891	0.025996	-3.64271	8.057044	8.043771	8.055248	8.001206	8.028039	8.035828	8.058385	8.052031	8.081184	8.046759	8.100795	8.082426	8.066282	8.127702	8.080619	8.12793
YAP1	cg2532174	0.060069	7.563774	4.376949	0.000471	0.002202	-0.63992	8.121858	8.106167	8.129447	8.113413	8.147155	8.114027	8.105816	8.121447	8.111654	8.117964	8.163485	8.151141	8.151914	8.125848	8.168353	8.15795
CUX1	cg1064825	0.060074	7.874781	4.739443	0.000223	0.001205	0.008889	8.342031	8.330591	8.343256	8.346874	8.339928	8.30325	8.323756	8.326538	8.319858	8.358539	8.374962	8.369798	8.379321	8.373879	8.367289	8.37878
RNH1	cg0535584	0.060086	7.798843	3.574166	0.002539	0.008637	-2.39745	8.284408	8.267755	8.296862	8.268434	8.30209	8.310195	8.265249	8.269883	8.261279	8.297177	8.320822	8.333166	8.317662	8.303501	8.333303	8.2787
RPS6KA2	cg1653506	0.060116	7.389021	3.780494	0.001643	0.006036	-1.86736	7.977183	7.971589	7.999976	7.999307	8.012391	7.985854	8.014302	8.00236	8.012163	8.007376	8.046256	8.047469	8.078022	8.043041	8.04633	8.01718
BTG4	cg2280600	0.06018	7.183083	3.464033	0.003203	0.010425	-2.51983	7.854444	7.869315	7.852396	7.885709	7.854056	7.864164	7.870522	7.870604	7.894786	7.880481	7.898319	7.928397	7.945774	7.891888	7.899135	7.922358
IKZF1	cg0054744	0.060235	7.309029	4.642478	0.000272	0.001415	-0.05475	7.947057	7.93718	7.952146	7.93157	7.92834	7.932588	7.954745	7.962658	7.976828	7.942697	7.988775	7.991773	7.980119	8.006369	7.994956	8.012599
STAT5A	cg1677751	0.060236	7.90596	4.205994	0.000672	0.002923	-1.12624	8.334711	8.339366	8.365765	8.349268	8.344207	8.343839	8.380299	8.35268	8.324839	8.385672	8.413485	8.390589	8.393917	8.413142	8.399962	8.40782
GPC3	cg0536252	0.06025	7.463104	3.537464	0.002743	0.009207	-2.38472	8.050351	8.052016	8.029021	8.066852	8.067412	8.038235	8.05372	8.04664	8.047878	8.052453	8.095629	8.0744	8.114856	8.105081	8.050676	8.088992
YAP1	cg0006428	0.060262	6.64447	3.152509	0.006172	0.017742	-3.50627	7.587722	7.562292	7.55137	7.579842	7.604202	7.577602	7.571258	7.565752	7.553725	7.565904	7.605494	7.57214	7.6234	7.581297	7.589625	7.587479
ZHX2	cg2058035	0.060283	7.775131	6.142704	1.43E-05	0.00013	2.862112	8.265589	8.259903	8.264069	8.257088	8.279822	8.271295	8.255303	8.263267	8.254411	8.266005	8.304728	8.315674	8.293233	8.290221	8.294582	8.306554
MME	cg2247123	0.060324	7.069103	3.606891	0.002369	0.008152	-2.24682	7.819847	7.81813	7.842389	7.782767	7.814367	7.833273	7.805622	7.77961	7.78733	7.813465	7.823986	7.82239	7.827743	7.831982	7.832252	7.842982
EYA4	cg2078717	0.06033	7.560002	3.025343	0.008053	0.021964	-3.45896	8.132907	8.136306	8.132672	8.10467	8.106277	8.114044	8.116656	8.117224	8.111283	8.097266	8.167425	8.130103	8.095892	8.167403	8.159749	8.177566
GPRC5A	cg0778609	0.060373	6.600956	3.619309	0.002308	0.007967	-2.58176	7.559734	7.563317	7.543404	7.571633	7.573479	7.565274	7.541912	7.542501	7.531719	7.531576	7.558047	7.578218	7.571952	7.587527	7.530711	7.566418
CDK6	cg0333037	0.060393	7.894496	3.195954	0.005634	0.016477	-3.22962	8.382074	8.35639	8.371606	8.321639	8.369857	8.370492	8.342319	8.306395	8.351635	8.352229	8.396718	8.378297	8.368592	8.405748	8.389513	8.342824
APC	cg0019073	0.0605	7.651517	2.78127	0.013361	0.033136	-3.97529	8.165764	8.152661	8.157837	8.164388	8.197829	8.210802	8.153851	8.180247	8.199461	8.176322	8.237021	8.241751	8.238016	8.177731	8.191556	8.219783
TSPAN32	cg1804496	0.060515	7.792881	4.705881	0.000239	0.001274	-0.02188	8.276732	8.301921	8.289863	8.256581	8.265168	8.275453	8.266679	8.273364	8.278212	8.273156	8.310012	8.310038	8.295148	8.315788	8.317868	8.336775
CDO1	cg0668287	0.060516	7.630628	4.515582	0.000353	0.001746	-0.3666	8.170244	8.184174	8.158668	8.192683	8.162884	8.15785	8.163463	8.139878	8.175285	8.149043	8.190008	8.202372	8.203621	8.18296	8.192298	8.208962
LXN	cg0491100	0.060562	6.633313	5.149414	9.74E-05	0.000621	0.66345	7.552274	7.573535	7.579674	7.565321	7.566885	7.562809	7.550393	7.56108	7.564856	7.567717	7.591859	7.590853	7.593444	7.603691	7.571651	7.589321
CADM1	cg1742558	0.06057	7.825549	2.707355	0.015551	0.037531	-4.18227	8.31399	8.296093	8.357432	8.291572	8.295343	8.269334	8.318308	8.282591	8.280579	8.294709	8.298663	8.328159	8.316143	8.35161	8.347302	8.373162
PDS5B	cg0855607	0.060573	7.703564	2.712816	0.015378	0.037176	-4.12396	8.206525	8.196665	8.207473	8.22371	8.229404	8.243139	8.181947	8.199816	8.218023	8.236067	8.273898	8.287884	8.261927	8.199996	8.241728	8.232412
RBP1	cg2053237	0.060601	7.64427	5.348709	6.56E-05	0.000444	1.33764	8.182379	8.154594	8.161178	8.176553	8.174836	8.166882	8.179759	8.178668	8.173165	8.159343	8.208213	8.225212	8.202105	8.20804	8.205829	8.227586
VSNL1	cg1743039	0.060611	7.370078	4.991638	0.000134	0.000794	0.661537	8.002704	7.999264	7.993474	7.994415	7.99089	7.980458	7.979794	7.995044	7.993615	7.983041	8.00378	8.028003	8.027957	8.014933	8.032984	8.0433
TGM3	cg0458220	0.060626	7.729784	4.171664	0.000722	0.003096	-1.11835	8.20919	8.21104	8.236438	8.228362	8.203851	8.262859	8.231691	8.245957	8.216663	8.239842	8.280557	8.282793	8.273046	8.270979	8.267121	8.272445
NDN	cg0832527	0.06064	6.892806	2.952555	0.009372	0.024888	-3.71175	7.696558	7.714116	7.700281	7.714404	7.706482	7.708615	7.706076	7.680208	7.678675	7.73879	7.74216	7.729028	7.751481	7.731569	7.696806	7.74652
PTPRJ	cg0598234	0.060669	7.908605	5.77749	2.85E-05	0.000227	2.094386	8.370935	8.355166	8.349636	8.347211	8.35565	8.384456	8.350925	8.360251	8.359632	8.34949	8.394649	8.405692	8.398001	8.393871	8.406741	8.387016
CDH13	cg0648165	0.060673	7.536059	4.840909	0.000181	0.001024	0.329355	8.093432	8.103608	8.083805	8.09456	8.109772	8.097822	8.086754	8.100049	8.106321	8.103804	8.145741	8.149608	8.149205	8.14098	8.11082	8.133454
MYO1A	cg0448548	0.060731	7.764762	2.931134	0.009799	0.025814	-3.70993	8.269114	8.298269	8.269476	8.241049	8.242178	8.250221	8.266317	8.256469	8.231345	8.248747	8.290262	8.26423	8.253477	8.331153	8.314953	8.298263
KAT5	cg2487477	0.060751	7.80879	7.647835	9.99E-07	1.54E-05	5.577902	8.286513	8.281256	8.292029	8.283452	8.282124	8.27566	8.284145	8.284884	8.293476	8.286189	8.321625	8.325805	8.337873	8.331386	8.328812	8.328118
PCDH10	cg0766538	0.060772	7.609961	2.957024	0.009285	0.02468	-3.61201	8.139612	8.116769	8.16495	8.132397	8.184529	8.140456	8.113849	8.175927	8.171042	8.136109	8.188759	8.213984	8.194776	8.179621	8.176536	8.180397
EPB41L3	cg0355203	0.06079	7.387158	2.631625	0.018152	0.042444	-4.21421	7.991538	7.992925	8.003788	8.010373	8.019055	8.001702	7.970384	7.977891	8.028275	8.022082	8.056345	8.077861	8.052632	8.021709	8.003197	8.011648
CTNNBIP1	cg2160413	0.060918	7.820204	7.325647	1.72E-06	2.37E-05	5.015245	8.28569	8.297971	8.301656	8.285813	8.298327	8.290224	8.300494	8.285311	8.293934	8.296934	8.333846	8.338178	8.334251	8.345088	8.33539	8.330091
ZBTB7C	cg0397322	0.060932	7.216914	2.735023	0.014693	0.035755	-4.0028	7.859125	7.903019	7.898014	7.902867	7.947786	7.89592	7.889898	7.891361	7.875193	7.901068	7.94149	7.954852	7.919795	7.899526	7.910493	7.925296
TP53INP1	cg0182446	0.060938	7.715307	5.425247	5.64E-05	0.000391	1.472609	8.207569	8.213184	8.217793	8.23548	8.219796	8.216149	8.21313	8.22899	8.23542	8.208343	8.276613	8.266958	8.260422	8.248774	8.255177	8.266909
KLF5	cg0361993	0.060946	7.625922	3.262049	0.004903	0.014788	-2.99097	8.152593	8.136011	8.176785	8.211866	8.172284	8.174869	8.163491	8.153472	8.145507	8.14491	8.209902	8.189045	8.215451	8.179213	8.165118	8.192775
NFATC1	cg1296474	0.060953	7.487697	3.022907	0.008094	0.022045	-3.44983	8.068269	8.071706	8.096884	8.039326	8.055451	8.10127	8.03649	8.073587	8.090622	8.051167	8.122148	8.085172	8.0933	8.123214	8.097663	8.088081
SYNM	cg2684757	0.060955	6.689119	4.393544	0.000455	0.002144	-0.84878	7.577345	7.579668	7.579648	7.594246	7.595184	7.577271	7.576891	7.603525	7.595821	7.612696	7.63668	7.634137	7.639995	7.615742	7.616591	7.620654
TCF4	cg1652837	0.061021	7.70117	3.91749	0.001231	0.004769	-1.64541	8.209883	8.199039	8.210138	8.183782	8.203599	8.20757	8.183265	8.214741	8.213752	8.25005	8.254961	8.268454	8.266254	8.265442	8.247347	8.235733
CADM1	cg1494050	0.061072	7.666748	4.316457	0.000534	0.002426	-0.79659	8.187076	8.173891	8.169364	8.181946	8.179053	8.186961	8.17909	8.208742	8.167924	8.208319	8.242544	8.220694	8.23905	8.253033	8.224433	8.210278
CADM1	cg0128214	0.061078	7.448962	3.800071	0.001576	0.00583	-1.83253	8.0325	8.016601	8.041968	8.064861	8.032078	8.040811	8.036476	8.036572	8.042183	8.055058	8.091873	8.083703	8.106862	8.066662	8.085061	8.052215
ING3	cg0552270	0.061089	6.671215	4.520304	0.00035	0.001734	-0.60715	7.597403	7.571423	7.602036	7.588645	7.585559	7.577511	7.577435	7.56916	7.586295	7.587791	7.615988	7.618419	7.600126	7.607283	7.625899	7.592376
RAB7A	cg1452505	0.061089	7.83877	6.391606	8.99E-06	8.87E-05	3.308762	8.3052	8.317077	8.303458	8.325312	8.306658	8.305971	8.307388	8.306645	8.306526	8.298578	8.349581	8.350319	8.343356	8.360996	8.330459	8.347519
RHOBTB2	cg2064263	0.061089	7.32415	3.12766	0.006502	0.018524	-3.21866	7.941949	7.945717	7.948601	7.948506	7.991534	7.987192	7.963231	7.96525	7.960717	7.953626	8.01105	7.998897	8.019734	7.981588	7.963218	8.013007
CDKN1C	cg1321637	0.061099	7.921404	5.612792	3.91E-05	0.000289	1.760307	8.35801	8.371105	8.359042	8.351257	8.385801	8.344672	8.359707	8.367016	8.367342	8.381942	8.415147	8.419108	8.410167	8.418235	8.40062	8.40916
NFATC1	cg0011017	0.06118	7.96261	4.853673	0.000177	0.001002	0.204632	8.411961	8.413883	8.416145	8.415618	8.379104	8.405053	8.373821	8.405282	8.390064	8.389401	8.423087	8.425796	8.430478	8.427728	8.430264	8.460911
PTPRJ	cg0451560	0.061235	7.770218	4.374748	0.000473	0.002207	-0.707	8.252059	8.257162	8.240902	8.216951	8.266263	8.263804	8.274238	8.252794	8.276662	8.252111	8.312635	8.295416	8.311068	8.313932	8.314136	8.287198
DCC	cg1296801	0.061311	7.294555	3.776065	0.001658	0.006079	-1.86818	7.967292	7.944501	7.940125	7.941278	7.968202	7.940921	7.91768	7.953446	7.919502	7.957079	7.962179	7.97869	7.988757	7.976527	7.954348	7.982021
NEDD4L	cg0566596	0.061324	6.77335	4.320152	0.00053	0.002409	-0.93894	7.643934	7.615468	7.625171	7.637784	7.634999	7.641053	7.644594	7.624439	7.644293	7.644498	7.695342	7.676098	7.666051	7.670122	7.65592	7.660622
SOD2	cg0155218	0.061364	6.613703	2.667002	0.016889	0.040086	-4.51821	7.574029	7.597796	7.581516	7.540327	7.57703	7.540451	7.547721	7.547704	7.542041	7.537178	7.546492	7.545144	7.571519	7.58397	7.605773	7.584865
HBP1	cg1919680	0.061409	6.707838	3.096646	0.006938	0.019506	-3.56308	7.587671	7.607978	7.592876	7.647847	7.601905	7.612374	7.594017	7.595662	7.600597	7.602399	7.649428	7.638699	7.641267	7.618682	7.600132	7.623396
PTGDR	cg2408911	0.061427	7.92703	7.794307	7.84E-07	1.28E-05	5.78249	8.376957	8.381173	8.370138	8.389631	8.380224	8.38166	8.371682	8.359429	8.359146	8.367215	8.413456	8.410485	8.408185	8.39889	8.409148	8.405611
PHLPP2	cg0535552	0.061482	7.859019	4.657077	0.000264	0.001383	-0.15659	8.305192	8.328345	8.308282	8.353951	8.305643	8.296761	8.331742	8.320643	8.326166	8.318603	8.367049	8.358022	8.380738	8.363124	8.363477	8.370051
APC	cg1697023	0.061483	7.529466	3.872941	0.001352	0.005154	-1.69205	8.088229	8.087833	8.086156	8.091958	8.121594	8.097839	8.075591	8.107238	8.083881	8.104667	8.162003	8.144178	8.119295	8.119558	8.113108	8.136091
EYA4	cg2160703	0.061523	7.484023	3.765597	0.001695	0.006191	-1.9115	8.060907	8.051796	8.040352	8.057164	8.036658	8.044565	8.063528	8.052112	8.081066	8.095169	8.086088	8.11964	8.145263	8.114995	8.100856	8.106443
HIC1	cg2197337	0.061554	7.314996	2.860859	0.011336	0.029043	-3.75744	7.928054	7.951753	7.931999	7.968707	7.95327	7.990531	7.958978	7.943817	7.950317	7.967722	8.007515	8.017557	8.016823	7.981374	7.95598	7.976546
FOXO3	cg2601925	0.061556	6.649824	3.31543	0.004382	0.013467	-3.16318	7.560936	7.583371	7.58422	7.568856	7.60516	7.567338	7.579575	7.556292	7.562663	7.571408	7.605262	7.584922	7.607751	7.611982	7.61072	7.563453
TCF7L2	cg0020794	0.061557	7.962913	4.531165	0.000342	0.001702	-0.46913	8.388891	8.390923	8.405745	8.411345	8.405014	8.386742	8.405006	8.407065	8.394059	8.374354	8.440184	8.42969	8.434774	8.410971	8.452214	8.465507
NFATC1	cg1696029	0.061563	7.899776	7.366916	1.60E-06	2.24E-05	5.055589	8.350935	8.353219	8.357099	8.35436	8.361973	8.347829	8.343346	8.347009	8.342743	8.359946	8.388455	8.400353	8.393467	8.379563	8.394922	8.391743
RASL10A	cg1661256	0.061574	7.931465	6.560677	6.61E-06	6.97E-05	3.582852	8.362934	8.377818	8.369756	8.378156	8.37533	8.38183	8.372951	8.38163	8.372698	8.364023	8.413213	8.419475	8.420012	8.430329	8.39752	8.41733
CBFA2T3	cg0831773	0.061578	7.884828	4.328182	0.000521	0.002377	-0.85211	8.325275	8.354353	8.37082	8.348505	8.358093	8.342897	8.317825	8.326332	8.346539	8.343899	8.36744	8.381505	8.401249	8.362589	8.388619	8.358422
DKK3	cg0618867	0.06161	7.683292	5.089281	0.00011	0.000681	0.802383	8.191579	8.216257	8.210569	8.191946	8.202866	8.186122	8.206602	8.184758	8.197879	8.198165	8.218099	8.238709	8.238499	8.250472	8.229729	8.252445
MADD	cg1488615	0.061611	6.628619	2.591331	0.019701	0.045274	-4.64985	7.580499	7.553582	7.611667	7.55564	7.590164	7.558774	7.549346	7.547543	7.556992	7.553941	7.550536	7.576807	7.603754	7.553933	7.599544	7.604823
CXCL12	cg0667161	0.061628	6.769203	3.2428	0.005106	0.015262	-3.20132	7.601605	7.620215	7.641512	7.623535	7.638596	7.62717	7.670047	7.620568	7.620361	7.650998	7.674833	7.660459	7.684473	7.686494	7.655496	7.668994
RCHY1	cg1343199	0.061643	7.297804	2.600903	0.019322	0.044589	-4.26673	7.938136	7.949413	7.936395	7.915979	7.912158	7.989239	7.938529	7.945186	7.93826	7.962701	7.97523	7.983165	7.991727	7.948046	8.029171	7.973641
PPP2R5C	cg1627686	0.061665	7.82783	3.426582	0.003467	0.011134	-2.72231	8.298753	8.291909	8.290233	8.285543	8.33851	8.295036	8.292574	8.270952	8.305226	8.325381	8.362325	8.355805	8.355165	8.3139	8.325281	8.334267
RPS6KA2	cg0447140	0.061691	6.627586	4.946466	0.000146	0.000856	0.241133	7.563437	7.574324	7.550422	7.562654	7.560382	7.571774	7.552585	7.548878	7.562508	7.566789	7.580703	7.591632	7.6069	7.588915	7.585399	7.57048
CYGB	cg1414225	0.061694	7.710439	3.474911	0.003131	0.010229	-2.57428	8.215749	8.197946	8.233018	8.221324	8.234589	8.236307	8.206634	8.198323	8.215755	8.230824	8.278427	8.257296	8.27104	8.222398	8.273525	8.223456
AKAP12	cg0038072	0.061739	7.872382	4.402008	0.000447	0.002118	-0.69272	8.336203	8.328367	8.345402	8.364835	8.313814	8.32814	8.330066	8.319006	8.336859	8.3245	8.376091	8.365242	8.376012	8.396008	8.34656	8.363888
PAX6	cg0264212	0.061769	7.854169	4.685713	0.000249	0.001319	-0.09415	8.324423	8.314422	8.325643	8.291617	8.335942	8.294667	8.307291	8.303776	8.339415	8.328735	8.364445	8.363491	8.368297	8.360659	8.364383	8.354843
LRMP	cg1364893	0.061799	7.125831	4.17597	0.000716	0.003072	-1.03091	7.827541	7.823603	7.83519	7.832587	7.82766	7.855154	7.83232	7.826011	7.856683	7.848561	7.885071	7.898235	7.879657	7.865439	7.868334	7.861385
WWOX	cg0434419	0.061842	6.763351	3.184945	0.005765	0.016775	-3.33291	7.634687	7.631013	7.617229	7.643777	7.640227	7.634563	7.619507	7.620773	7.622868	7.658444	7.695564	7.68056	7.64798	7.654952	7.635944	7.655375
MYH9	cg0789910	0.061851	7.418272	3.966292	0.001111	0.004392	-1.4813	7.990672	7.990947	7.991784	8.008112	8.003185	7.985398	8.039629	8.020082	8.055996	8.029622	8.07348	8.106862	8.07021	8.088767	8.055708	8.056283
ZNF366	cg0795438	0.061874	7.690199	4.234608	0.000633	0.002786	-0.97204	8.222597	8.209688	8.191862	8.196342	8.245489	8.196017	8.197399	8.197201	8.210166	8.187747	8.244542	8.24104	8.2407	8.254788	8.234089	8.221605
NAPEPLD	cg1169207	0.062149	7.917188	5.103902	0.000107	0.000667	0.739827	8.364652	8.357337	8.353182	8.36608	8.38687	8.380596	8.362902	8.373335	8.346052	8.356799	8.401942	8.413109	8.408892	8.381237	8.397669	8.418359
DAB2	cg0026141	0.062163	7.182219	2.601895	0.019283	0.044518	-4.2629	7.880542	7.86546	7.886368	7.868349	7.851206	7.893011	7.837368	7.853308	7.90569	7.888335	7.933214	7.923789	7.908263	7.863066	7.897074	7.918786
HPGD	cg1318153	0.062181	7.209391	4.03213	0.000967	0.003929	-1.32794	7.892228	7.877099	7.889333	7.916098	7.873539	7.902108	7.871531	7.896714	7.894909	7.885192	7.939087	7.938488	7.920317	7.902934	7.925567	7.915448
EDNRB	cg2349414	0.062216	7.343235	3.99391	0.001048	0.004186	-1.41361	7.99054	7.990695	7.97025	7.963724	7.977578	7.961303	7.957809	7.98573	7.965289	7.973504	7.982027	7.994109	8.01524	8.025534	8.00506	8.029796
LITAF	cg0189173	0.062246	7.850986	5.366754	6.33E-05	0.000432	1.302911	8.331495	8.308736	8.303045	8.319046	8.311183	8.310808	8.317315	8.294929	8.334077	8.318409	8.362883	8.37127	8.362967	8.356317	8.361235	8.341627
CUX1	cg0131048	0.062274	7.860092	3.900258	0.001276	0.00493	-1.74377	8.303392	8.313997	8.330757	8.351774	8.301135	8.341062	8.351682	8.328351	8.294956	8.308303	8.365611	8.350837	8.361912	8.375906	8.368242	8.362055
PAX6	cg0938209	0.062352	7.795707	6.04247	1.72E-05	0.000151	2.661934	8.280629	8.271771	8.276888	8.299761	8.290632	8.268371	8.271583	8.272024	8.277512	8.270949	8.31698	8.332503	8.315045	8.311864	8.311812	8.30631
RPS6KA2	cg0578770	0.062354	7.116087	2.953948	0.009345	0.024824	-3.57364	7.839853	7.823149	7.841023	7.811361	7.851888	7.782065	7.836551	7.837543	7.83217	7.840187	7.883657	7.857539	7.843697	7.878871	7.903193	7.8675
RNH1	cg2081358	0.062366	7.976781	6.233365	1.20E-05	0.000113	2.946407	8.398566	8.40874	8.418799	8.423761	8.412846	8.421465	8.386925	8.415369	8.406969	8.396368	8.440869	8.45651	8.456589	8.441514	8.442899	8.436558
GSTT1	cg0123804	0.062405	6.746603	4.83973	0.000182	0.001025	0.1205	7.644536	7.612064	7.623644	7.611619	7.637126	7.628669	7.620654	7.619271	7.619465	7.62111	7.644748	7.646008	7.662568	7.665925	7.637941	7.652078
BMP4	cg0305448	0.062434	6.830207	4.117621	0.000808	0.003398	-1.32315	7.665423	7.675202	7.6641	7.669504	7.654122	7.651441	7.664766	7.649667	7.691683	7.676365	7.689835	7.715149	7.718215	7.708801	7.697468	7.689102
MTUS1	cg0489803	0.062449	7.715406	4.594307	0.0003	0.001529	-0.22685	8.230872	8.217321	8.210285	8.237391	8.227522	8.222086	8.224208	8.206262	8.241641	8.197625	8.282307	8.266108	8.245849	8.259863	8.252417	8.249971
PARK2	cg0003466	0.062603	7.679043	5.274309	7.60E-05	0.000502	1.177856	8.179407	8.193641	8.213764	8.194187	8.172192	8.1877	8.211871	8.186019	8.201161	8.191418	8.231792	8.237001	8.23625	8.237217	8.239965	8.25446
PTGDR	cg1971664	0.062636	7.890336	5.934395	2.11E-05	0.000178	2.408961	8.338773	8.346998	8.337466	8.370881	8.330884	8.337693	8.339564	8.350217	8.331262	8.351823	8.393222	8.388721	8.384529	8.387328	8.378134	8.390584
NR2C2	cg1046551	0.062651	6.709648	4.279841	0.000576	0.002581	-1.07522	7.592859	7.590048	7.58906	7.611133	7.611284	7.608384	7.594812	7.605961	7.604774	7.610628	7.642972	7.660774	7.63935	7.619222	7.622595	7.626576
HIPK2	cg2346020	0.062653	6.676357	2.816074	0.012436	0.031295	-4.1531	7.566767	7.593698	7.595802	7.570388	7.606952	7.580738	7.584629	7.57886	7.610274	7.565855	7.612847	7.641598	7.600326	7.629606	7.579082	7.630768
LITAF	cg1455845	0.062656	7.479733	3.958735	0.001128	0.004449	-1.50299	8.063963	8.04771	8.066246	8.062695	8.059915	8.066924	8.045669	8.05275	8.057398	8.085629	8.107462	8.122468	8.102236	8.117573	8.079011	8.07219
PDS5B	cg0013713	0.062661	6.662567	4.253474	0.000609	0.002701	-1.17614	7.609588	7.574772	7.572969	7.582833	7.577171	7.580329	7.554783	7.583744	7.581564	7.579832	7.607329	7.596838	7.615696	7.617311	7.603787	7.592063
GNMT	cg2201713	0.062681	7.681432	4.077391	0.00088	0.003635	-1.30137	8.191753	8.220514	8.215786	8.186127	8.186915	8.187736	8.165143	8.21575	8.196667	8.204297	8.21654	8.23203	8.240571	8.241309	8.237998	8.255263
ZMYND11	cg0796947	0.062734	6.661612	4.847217	0.000179	0.001012	0.07356	7.572832	7.568223	7.561885	7.557025	7.583156	7.58559	7.578113	7.581464	7.585757	7.578794	7.60824	7.618572	7.622567	7.591241	7.609551	7.620376
DCN	cg1773633	0.062768	7.890661	2.998715	0.008513	0.022995	-3.63608	8.336877	8.351512	8.325764	8.397926	8.298552	8.347931	8.335697	8.340557	8.340133	8.359682	8.411936	8.384906	8.394225	8.409348	8.365027	8.362684
TCF7L2	cg1884210	0.062803	7.405906	2.532304	0.0222	0.049938	-4.40839	8.030996	7.968949	7.95213	8.020552	8.017409	8.015163	7.998184	8.03443	8.030147	8.015853	8.083023	8.088476	8.06833	8.03435	8.038984	8.040393
TRIM3	cg2624582	0.062818	7.271875	3.573521	0.002542	0.008643	-2.29181	7.957733	7.948683	7.933849	7.912107	7.911322	7.932621	7.91425	7.927054	7.915573	7.939901	7.970227	7.933593	7.948595	7.967359	7.964284	7.986883
MYH9	cg0565687	0.062918	7.830327	4.070526	0.000892	0.003677	-1.37102	8.299044	8.325987	8.316418	8.287398	8.290015	8.283201	8.285128	8.308388	8.325272	8.283744	8.350751	8.329167	8.322157	8.356348	8.344967	8.361194
SGMS1	cg1402781	0.062926	7.938401	6.55479	6.68E-06	7.02E-05	3.575866	8.402272	8.402874	8.419637	8.383932	8.405168	8.406466	8.355342	8.3695	8.368441	8.358413	8.405101	8.398239	8.405333	8.412857	8.418747	8.403204
FOXO3	cg2457183	0.062946	7.692086	3.453856	0.003273	0.010603	-2.61309	8.193004	8.205516	8.218474	8.183182	8.233851	8.220144	8.202134	8.189518	8.219977	8.190554	8.255351	8.228246	8.261938	8.214514	8.224029	8.272233
RASSF3	cg2035187	0.062949	7.914205	3.550082	0.002671	0.009005	-2.51289	8.34555	8.353212	8.332736	8.34063	8.333935	8.377822	8.357678	8.347215	8.364355	8.404934	8.429536	8.43371	8.417068	8.400131	8.377749	8.419679
UVRAG	cg1698504	0.06299	7.566382	4.78386	0.000204	0.00112	0.204697	8.105484	8.113267	8.119406	8.126151	8.115762	8.100117	8.113947	8.120268	8.123484	8.126372	8.171965	8.183511	8.138565	8.15121	8.150894	8.175986

MRVI1	cg0268588	0.063018	7.718011	4.535385	0.000339	0.00169	-0.35082	8.203902	8.234071	8.220377	8.219918	8.247828	8.21651	8.241017	8.214352	8.193757	8.232406	8.262899	8.26551	8.255687	8.27539	8.260364	8.256931
UNC5D	cg1635756	0.063034	7.756135	3.968783	0.001105	0.004375	-1.55222	8.241698	8.287552	8.242123	8.239659	8.271291	8.233082	8.268287	8.243488	8.232896	8.237622	8.273255	8.28333	8.278923	8.299506	8.287722	8.307701
LITAF	cg2306182	0.063056	7.730295	2.585562	0.019933	0.045724	-4.38043	8.227162	8.231573	8.2197	8.207418	8.234942	8.267931	8.251329	8.189207	8.205641	8.271991	8.284472	8.269769	8.294624	8.302752	8.246563	8.234277
RPS6KA2	cg0130085	0.063056	7.115953	2.808386	0.012634	0.031719	-3.86567	7.817821	7.831292	7.817507	7.826968	7.879826	7.831738	7.817298	7.824249	7.834511	7.84656	7.872734	7.884253	7.903384	7.841841	7.844846	7.853669
PTCH1	cg0151258	0.06307	7.549284	4.117618	0.000808	0.003398	-1.18157	8.095587	8.123614	8.118687	8.106599	8.105152	8.099912	8.098	8.096751	8.140222	8.088245	8.135931	8.148279	8.160669	8.138784	8.164069	8.131411
PLAGL1	cg0649316	0.06308	7.762539	3.052158	0.007614	0.021022	-3.46736	8.230454	8.234875	8.214822	8.276215	8.249867	8.271578	8.24956	8.262043	8.264147	8.250162	8.323918	8.321869	8.310755	8.28102	8.309338	8.250685
TDGF1	cg2335326	0.063101	7.667168	5.719193	3.18E-05	0.000246	2.068992	8.195293	8.171647	8.191489	8.189964	8.187533	8.170832	8.188812	8.191513	8.177874	8.19281	8.220323	8.219396	8.239359	8.229612	8.247489	8.222624
LIFR	cg0447987	0.063118	7.866709	4.543362	0.000334	0.001668	-0.39719	8.307271	8.320338	8.329007	8.32295	8.316037	8.33635	8.332172	8.336388	8.336301	8.311068	8.36293	8.398125	8.357063	8.348044	8.381619	8.390554
MAPK10	cg1632618	0.06314	7.535557	2.931366	0.009794	0.025814	-3.64355	8.097977	8.086101	8.089091	8.079648	8.119176	8.147273	8.089861	8.104216	8.079367	8.103086	8.180384	8.123358	8.125183	8.131547	8.103548	8.145156
PCDH10	cg2760020	0.063141	7.424034	3.146463	0.00625	0.017942	-3.18974	8.009986	8.010325	8.014356	8.037183	8.037898	8.030677	8.011992	8.006606	8.036282	8.043845	8.080466	8.089613	8.095594	8.044134	8.039001	8.036784
FOXP1	cg0117343	0.063155	7.902669	7.668425	9.65E-07	1.50E-05	5.57641	8.360925	8.343333	8.356133	8.36195	8.358826	8.348456	8.357472	8.35084	8.354599	8.339049	8.398948	8.395878	8.38755	8.395238	8.394086	8.397253
PPP2R5C	cg2326615	0.063165	7.802732	7.222046	2.05E-06	2.72E-05	4.840099	8.284358	8.286284	8.277502	8.288172	8.272408	8.286281	8.287359	8.26864	8.273293	8.29035	8.321473	8.328834	8.323652	8.327399	8.320266	8.318168
PF4	cg0683499	0.063212	7.932871	5.188991	9.00E-05	0.00058	0.902265	8.378874	8.376454	8.356384	8.355699	8.362626	8.382437	8.357441	8.375204	8.369599	8.406278	8.422531	8.428124	8.430748	8.4177	8.418675	8.413164
PAX6	cg1805853	0.063228	7.319526	4.484975	0.000376	0.001843	-0.38266	7.969885	7.926893	7.96243	7.964041	7.95652	7.950828	7.969073	7.957816	7.94876	7.9583	8.004286	7.971203	8.006679	8.003858	7.99641	7.999348
FOXP1	cg2304414	0.063246	7.937002	4.09224	0.000853	0.003544	-1.37621	8.391467	8.412376	8.380116	8.378077	8.360766	8.385274	8.347035	8.392126	8.362879	8.387403	8.409718	8.407451	8.41017	8.400399	8.436282	8.438178
EZH1	cg1425456	0.063286	7.530392	4.115452	0.000812	0.003411	-1.18194	8.091547	8.09753	8.090877	8.106042	8.09966	8.10232	8.090323	8.082319	8.10611	8.087852	8.140817	8.144832	8.143578	8.102477	8.105964	8.156823
HIVEP1	cg1055732	0.063336	6.655484	5.121164	0.000103	0.000649	0.63019	7.565682	7.56534	7.564116	7.573538	7.587642	7.569933	7.583179	7.562698	7.576573	7.581467	7.614795	7.608601	7.621442	7.607653	7.597047	7.591837
SEMA3B	cg1247966	0.063425	7.844317	7.811931	7.61E-07	1.26E-05	5.84559	8.320353	8.320564	8.322318	8.309019	8.313681	8.314525	8.300028	8.307363	8.303116	8.315219	8.345165	8.343792	8.355488	8.359784	8.351019	8.346987
ARNTL	cg1084787	0.063527	7.069482	3.981524	0.001076	0.004276	-1.45408	7.819568	7.792588	7.790558	7.794698	7.816247	7.805648	7.822612	7.800715	7.812031	7.783891	7.839509	7.842756	7.829703	7.85363	7.819511	7.858724
MXI1	cg1041330	0.063579	7.826655	3.00633	0.008379	0.022702	-3.58617	8.293709	8.290336	8.29252	8.318266	8.326124	8.293601	8.308707	8.279823	8.257751	8.333684	8.358298	8.3352	8.35427	8.360715	8.332435	8.292208
TET2	cg2501076	0.063647	7.870248	5.811129	2.67E-05	0.000216	2.177008	8.314161	8.328446	8.335594	8.348164	8.323346	8.313532	8.341066	8.324799	8.32703	8.325818	8.375348	8.376322	8.368501	8.391553	8.361161	8.371753
CBFA2T3	cg0756926	0.063743	7.667563	5.940102	2.09E-05	0.000177	2.501141	8.18378	8.189068	8.187507	8.189441	8.198748	8.177519	8.178973	8.18644	8.194112	8.184409	8.222768	8.238239	8.232087	8.23033	8.206676	8.240693
VPS53	cg0878950	0.063762	7.758108	3.653909	0.002145	0.007526	-2.21665	8.239858	8.263437	8.259342	8.26269	8.268142	8.198356	8.244203	8.237988	8.247794	8.26945	8.2757	8.29569	8.311096	8.298657	8.295583	8.282795
PHC3	cg1539435	0.063764	6.988766	4.622454	0.000283	0.00146	-0.15408	7.752581	7.743772	7.756558	7.744656	7.73018	7.74104	7.764893	7.76446	7.760399	7.767448	7.788567	7.803031	7.785628	7.802851	7.831637	7.78561
CUX1	cg1754587	0.063768	7.623342	4.729851	0.000227	0.001225	0.07872	8.172993	8.145753	8.151066	8.156878	8.161175	8.138914	8.163168	8.155432	8.155304	8.156436	8.195938	8.19578	8.201986	8.173746	8.202194	8.228465
CYLD	cg0355731	0.063772	7.876432	6.380146	9.18E-06	9.04E-05	3.271639	8.337166	8.340296	8.348215	8.329578	8.3437	8.346371	8.321081	8.329518	8.344691	8.318756	8.358837	8.386253	8.378146	8.377773	8.366645	8.370368
LIMD1	cg2055963	0.06378	7.723516	2.76882	0.013707	0.033814	-4.02068	8.238053	8.190915	8.209156	8.251938	8.256009	8.212837	8.230057	8.201784	8.202044	8.264598	8.281641	8.281818	8.296759	8.237835	8.241379	8.26664
HIC1	cg1114405	0.063783	6.707442	3.880904	0.001329	0.005092	-1.91819	7.613045	7.598677	7.590216	7.5945	7.594432	7.598855	7.58928	7.634618	7.595592	7.593263	7.610128	7.631021	7.640013	7.638212	7.653608	7.636367
DAB2	cg1826472	0.063799	7.719608	5.236445	8.19E-05	0.000536	1.091684	8.219697	8.21723	8.216252	8.236214	8.229821	8.223703	8.245819	8.200963	8.221872	8.218446	8.274896	8.277129	8.254048	8.263046	8.2529	8.266664
PLAGL1	cg1328518	0.063822	7.711904	4.539746	0.000336	0.001679	-0.33924	8.217465	8.211641	8.214744	8.233222	8.217318	8.245986	8.203042	8.225716	8.203556	8.221516	8.263792	8.2833	8.243799	8.248277	8.236873	8.262452
CACNA2D3	cg1692729	0.063883	7.521621	3.708235	0.001913	0.006842	-2.0371	8.091558	8.074346	8.08714	8.065944	8.12115	8.083898	8.113588	8.062416	8.08516	8.093032	8.130614	8.138124	8.135828	8.146963	8.110337	8.115561
CDH13	cg2067425	0.063919	6.816156	2.902993	0.010388	0.027054	-3.86604	7.634829	7.643419	7.675838	7.672612	7.66685	7.677354	7.650181	7.643258	7.674208	7.667177	7.693328	7.70871	7.729738	7.683971	7.668019	7.667305
RHOBTB2	cg0708611	0.06406	7.837419	5.556952	4.36E-05	0.000315	1.69004	8.311933	8.30996	8.302412	8.311263	8.291569	8.298183	8.320105	8.290187	8.313234	8.29979	8.33931	8.354101	8.348042	8.337079	8.349581	8.373274
TGFBR3	cg1477691	0.064123	7.511794	3.348066	0.004091	0.012729	-2.78656	8.062648	8.081558	8.092407	8.06244	8.114495	8.108236	8.079492	8.074422	8.067989	8.090961	8.135581	8.126638	8.124324	8.078423	8.140113	8.110914
PTPRK	cg0402364	0.064129	6.637742	4.018954	0.000994	0.00402	-1.69086	7.5542	7.575921	7.576706	7.567621	7.562563	7.561377	7.547819	7.568501	7.575886	7.56292	7.600836	7.586007	7.601963	7.625094	7.582138	7.57341
HCAR2	cg1257403	0.064154	7.854317	4.447468	0.000407	0.001964	-0.59193	8.316296	8.331496	8.304377	8.296338	8.309625	8.315816	8.338176	8.320199	8.32494	8.297472	8.336471	8.353357	8.373363	8.378602	8.36102	8.386441
STAT3	cg2071620	0.064155	7.497901	3.523276	0.002827	0.009435	-2.41989	8.060407	8.062132	8.06083	8.078091	8.093269	8.084184	8.084959	8.05222	8.078612	8.071318	8.11899	8.13049	8.1347	8.125667	8.096004	8.070971
MCC	cg1686086	0.064208	7.930168	4.630263	0.000279	0.001443	-0.2461	8.377246	8.376218	8.38895	8.360775	8.370827	8.358809	8.347232	8.373989	8.383307	8.381529	8.410951	8.410721	8.426019	8.396232	8.409905	8.447605
CBFA2T3	cg0639405	0.064208	7.722043	4.451292	0.000403	0.00195	-0.53122	8.213049	8.213551	8.231948	8.182464	8.214844	8.207403	8.247343	8.22206	8.242086	8.21773	8.267175	8.274884	8.25752	8.289784	8.268375	8.296904
PPP2R5C	cg1695436	0.064229	7.945552	4.997622	0.000132	0.000788	0.510111	8.411728	8.388743	8.390116	8.388545	8.394905	8.393745	8.383417	8.366904	8.378472	8.374575	8.418208	8.406745	8.434793	8.434282	8.390998	8.443031
DLG1	cg0108360	0.064294	6.653679	4.646555	0.00027	0.001406	-0.35056	7.565453	7.568474	7.561216	7.569503	7.567154	7.569959	7.562525	7.577312	7.56941	7.597379	7.603928	7.617637	7.622059	7.592491	7.621015	7.591381
MCPH1	cg0522325	0.064362	7.953071	4.417984	0.000432	0.002061	-0.69683	8.405644	8.402798	8.400387	8.405701	8.440843	8.364843	8.374548	8.374556	8.372698	8.395545	8.426257	8.433621	8.426525	8.428459	8.420055	8.414675
RNASEL	cg2653290	0.064369	7.375902	2.698158	0.015847	0.038109	-4.08316	7.996987	7.980635	7.979152	8.049976	7.995586	8.008783	7.982876	7.994077	7.953112	8.020239	8.048481	8.041388	8.033311	8.037941	8.013828	7.988564
PLAGL1	cg1831662	0.06439	7.139972	3.023919	0.008077	0.022003	-3.43003	7.861569	7.816081	7.874981	7.850908	7.853872	7.849028	7.83367	7.81892	7.854705	7.86535	7.902637	7.86779	7.909283	7.882029	7.859435	7.860447
STAT5A	cg0856961	0.064408	7.861955	4.977089	0.000138	0.000815	0.50468	8.322537	8.311393	8.312298	8.31336	8.325956	8.335996	8.313865	8.322711	8.305583	8.354089	8.374089	8.376244	8.382459	8.360246	8.352069	8.368573
DLC1	cg2737881	0.064422	7.583759	5.918712	2.17E-05	0.000183	2.479857	8.124855	8.112447	8.128977	8.138606	8.133814	8.116731	8.131663	8.123922	8.137499	8.133369	8.177504	8.188197	8.17973	8.172683	8.162215	8.162001
AHNAK	cg0542738	0.064451	7.273885	2.614601	0.018792	0.043642	-4.23902	7.880716	7.947157	7.904837	7.957215	7.937161	7.921493	7.911643	7.925527	7.951098	7.933483	7.996632	7.985716	7.994964	7.942009	7.948771	7.947453
SMAD4	cg1168239	0.064462	7.972252	4.803829	0.000196	0.001084	0.094393	8.389654	8.399372	8.398922	8.4434	8.405341	8.399171	8.414934	8.400373	8.409244	8.375679	8.456271	8.443572	8.453279	8.438715	8.443228	8.440846
ABCG2	cg0545454	0.064502	7.79157	2.710982	0.015436	0.037277	-4.15639	8.270761	8.245476	8.278986	8.326854	8.316182	8.280376	8.251928	8.261971	8.279755	8.26416	8.333419	8.334929	8.333512	8.303771	8.260333	8.286457
RAP1A	cg1021001	0.064547	7.634728	3.859019	0.001392	0.005279	-1.74729	8.152635	8.165061	8.152575	8.168232	8.178412	8.188092	8.152762	8.157762	8.151861	8.185083	8.211035	8.218086	8.227566	8.194549	8.167285	8.208946
PPARG	cg1806327	0.064605	7.889587	3.497154	0.002987	0.00983	-2.60087	8.352583	8.343782	8.342188	8.34678	8.396826	8.373823	8.327633	8.329115	8.313562	8.358691	8.400086	8.390993	8.388339	8.355199	8.345592	8.384501
MADD	cg1219514	0.064619	7.773617	7.081736	2.62E-06	3.34E-05	4.599773	8.270779	8.251316	8.246602	8.248709	8.259393	8.259745	8.273386	8.253714	8.261873	8.260432	8.305625	8.312202	8.299917	8.307313	8.304093	8.310069
LIMA1	cg0157716	0.064647	6.68828	3.9849	0.001068	0.004247	-1.71831	7.587125	7.582883	7.591762	7.571994	7.618317	7.605027	7.585164	7.584658	7.594605	7.595321	7.636476	7.621002	7.635588	7.615885	7.624257	7.598292
PACRG	cg1010238	0.064678	7.573604	3.776928	0.001655	0.00607	-1.90245	8.121573	8.113508	8.115448	8.141899	8.143878	8.152064	8.112192	8.138695	8.138968	8.079736	8.163119	8.164854	8.172538	8.149629	8.150109	8.155975
HECA	cg2398135	0.064691	7.671955	4.744239	0.000221	0.001197	0.093275	8.200487	8.17527	8.166951	8.191683	8.17325	8.154468	8.196282	8.180837	8.205347	8.205039	8.235261	8.263269	8.230958	8.235638	8.240715	8.235077
PRDM5	cg1041696	0.064736	7.687171	3.213971	0.005425	0.016011	-3.10974	8.184417	8.20421	8.189007	8.235578	8.189644	8.205673	8.172292	8.187568	8.203256	8.232839	8.265033	8.255283	8.267896	8.218564	8.21712	8.230212
EMP1	cg0198981	0.06475	6.638333	5.85213	2.47E-05	0.000202	2.080279	7.557477	7.557456	7.557226	7.570436	7.569817	7.570325	7.567373	7.556993	7.569694	7.568487	7.613775	7.597589	7.605999	7.586793	7.586411	7.591892
NNAT	cg2476205	0.064781	7.893864	7.499276	1.28E-06	1.88E-05	5.289412	8.352662	8.341834	8.346562	8.355314	8.353888	8.354835	8.334329	8.352626	8.334759	8.346698	8.384283	8.388866	8.398538	8.391847	8.384582	8.377005
BTG4	cg0324288	0.064799	7.893704	7.858097	7.06E-07	1.19E-05	5.901996	8.343083	8.349401	8.341711	8.352929	8.354482	8.334982	8.349723	8.343756	8.348927	8.336619	8.38929	8.389153	8.393355	8.383832	8.387016	8.398693
XAF1	cg0341915	0.064848	7.854066	6.205791	1.27E-05	0.000118	2.948964	8.317078	8.331048	8.317971	8.308706	8.306703	8.3281	8.320528	8.308595	8.33382	8.301251	8.365192	8.357617	8.353233	8.37198	8.363256	8.355449
ABCG2	cg0904758	0.064849	6.650629	5.873979	2.37E-05	0.000197	2.132189	7.567371	7.559098	7.570932	7.577357	7.57981	7.578414	7.565548	7.570242	7.572242	7.575064	7.614958	7.600958	7.616242	7.590495	7.59858	7.593114
ABI2	cg2131546	0.064871	7.909059	5.204018	8.73E-05	0.000565	0.94342	8.346959	8.321935	8.349373	8.347695	8.351793	8.367273	8.385355	8.350647	8.364063	8.346388	8.404467	8.422223	8.406797	8.401339	8.399024	8.410218
PTPN1	cg2255990	0.064895	7.905183	4.534615	0.00034	0.001692	-0.4336	8.36156	8.364718	8.355983	8.365167	8.323587	8.343283	8.341622	8.348409	8.348715	8.37807	8.408364	8.406355	8.379042	8.398107	8.386079	8.421209
CSRNP1	cg1664308	0.064895	6.606512	5.389327	6.05E-05	0.000416	1.12938	7.545066	7.54014	7.54522	7.562495	7.548254	7.550123	7.541807	7.548098	7.552001	7.552231	7.586086	7.583496	7.592017	7.588817	7.570282	7.557345
CADM1	cg2516308	0.064902	7.298008	3.342275	0.004141	0.01285	-2.7748	7.937919	7.926976	7.930888	7.968399	7.956107	7.967635	7.942517	7.934842	7.930969	7.953425	7.991465	8.001506	8.002738	7.950833	7.981658	7.950243
MXI1	cg2140360	0.064911	6.675104	5.338046	6.70E-05	0.000452	1.090791	7.573432	7.574828	7.584869	7.572766	7.586815	7.570567	7.582147	7.584534	7.577657	7.608437	7.616223	7.637371	7.615261	7.618414	7.622503	7.611437
FLT3	cg1512627	0.064994	7.158953	4.352567	0.000495	0.002286	-0.65761	7.858984	7.853671	7.844766	7.855129	7.877304	7.854971	7.869832	7.843464	7.855989	7.860181	7.903764	7.923996	7.879339	7.882773	7.895292	7.885653
CAMK2N1	cg2221433	0.065065	7.145558	2.670201	0.016779	0.039883	-4.13316	7.842665	7.83009	7.843149	7.849845	7.868646	7.865781	7.816149	7.841483	7.867833	7.870343	7.901196	7.912392	7.924684	7.864756	7.854336	7.862414
PRKCE	cg2660977	0.065109	7.809859	5.044151	0.00012	0.00073	0.66692	8.280081	8.276201	8.283247	8.293697	8.300811	8.27217	8.304404	8.270424	8.290827	8.27851	8.352381	8.328067	8.321875	8.334719	8.309683	8.338791
RCHY1	cg1911563	0.06511	6.670347	3.932334	0.001193	0.004652	-1.85081	7.618822	7.576777	7.572661	7.584951	7.59464	7.598287	7.566899	7.565687	7.584903	7.586126	7.602677	7.625146	7.619491	7.607564	7.596432	7.595253
CHD5	cg0559176	0.065125	7.613249	5.914186	2.19E-05	0.000184	2.46485	8.142603	8.165355	8.145978	8.164919	8.143179	8.140451	8.152002	8.136634	8.156126	8.149283	8.194125	8.181913	8.202395	8.186967	8.183929	8.198823
TGFBR2	cg0728567	0.065134	7.255234	3.860876	0.001387	0.005261	-1.6886	7.901263	7.906915	7.905527	7.925769	7.924885	7.926835	7.89784	7.920256	7.925304	7.925543	7.971584	7.981095	7.970356	7.945013	7.937138	7.93217
CDH13	cg0584751	0.065159	7.845831	4.095179	0.000847	0.003526	-1.32656	8.325127	8.316991	8.276826	8.321541	8.285886	8.33752	8.295451	8.31856	8.298255	8.332229	8.361258	8.366156	8.363628	8.349016	8.344633	8.353571
MYH9	cg1797022	0.065161	6.854018	3.755719	0.001731	0.006302	-2.06889	7.677792	7.680679	7.682583	7.683407	7.681527	7.644509	7.667739	7.68357	7.700419	7.683037	7.722927	7.70969	7.720187	7.690467	7.739999	7.724888
EXT1	cg0879664	0.065303	6.59184	4.620487	0.000285	0.001463	-0.46708	7.541832	7.537341	7.537858	7.566183	7.533442	7.535218	7.537674	7.555542	7.534232	7.534169	7.580244	7.552655	7.578445	7.560589	7.573572	7.583672
NDRG2	cg1373049	0.065304	7.786071	6.326967	1.01E-05	9.82E-05	3.209372	8.257266	8.26246	8.288257	8.279905	8.288891	8.27494	8.264449	8.270494	8.257659	8.26559	8.315806	8.311114	8.313744	8.301123	8.312799	8.301006
ZNF366	cg0471076	0.06538	7.775677	5.393739	6.00E-05	0.000413	1.390642	8.267871	8.25595	8.259389	8.256953	8.25235	8.277286	8.251239	8.26727	8.278341	8.247258	8.292997	8.318269	8.310265	8.290388	8.301704	8.320859
UVRAG	cg1896002	0.065384	6.840114	5.960898	2.01E-05	0.000172	2.440453	7.684607	7.677265	7.67412	7.672804	7.6742	7.693369	7.664763	7.67135	7.656138	7.682527	7.711905	7.69332	7.70617	7.694729	7.703261	7.707309
PAX6	cg0277098	0.065444	7.840067	6.202221	1.28E-05	0.000119	2.947939	8.306221	8.324213	8.296998	8.30565	8.313263	8.29324	8.293094	8.318146	8.298119	8.317968	8.359744	8.341958	8.350002	8.349189	8.357998	8.354453
TCF7L2	cg0858847	0.065471	7.899571	6.465967	7.85E-06	7.92E-05	3.419282	8.363794	8.348852	8.340105	8.343107	8.336263	8.345339	8.361582	8.348945	8.334618	8.359442	8.390975	8.394115	8.385573	8.405437	8.40841	8.398556
DOK1	cg1106778	0.065489	7.693765	5.831817	2.57E-05	0.000209	2.284038	8.210957	8.196392	8.196616	8.220109	8.220165	8.203021	8.201595	8.210836	8.187325	8.208247	8.244466	8.254855	8.251207	8.240095	8.230487	8.254494
NUAK1	cg1896472	0.065502	6.722805	3.049587	0.007655	0.021082	-3.6275	7.58394	7.568781	7.570085	7.603918	7.599701	7.602293	7.64213	7.601737	7.625641	7.618223	7.669123	7.645283	7.691529	7.644441	7.628145	7.651953
LITAF	cg2176007	0.06558	7.529882	5.062138	0.000116	0.00071	0.78415	8.097734	8.089621	8.082855	8.088527	8.100798	8.079888	8.08924	8.097087	8.103105	8.090727	8.137734	8.114075	8.162807	8.136995	8.12433	8.148359
CUX1	cg2655318	0.065611	7.95293	4.170939	0.000723	0.0031	-1.21848	8.414301	8.378755	8.410717	8.355725	8.420141	8.39582	8.38472	8.382834	8.368933	8.395857	8.437298	8.408439	8.427068	8.422095	8.441532	8.441517
TP53BP2	cg1220631	0.065789	7.789749	6.234615	1.20E-05	0.000113	3.032016	8.276442	8.289235	8.267855	8.256551	8.278804	8.278783	8.26623	8.271586	8.282974	8.254811	8.308747	8.3092	8.314293	8.314727	8.31063	8.326433
HIVEP1	cg2054456	0.065863	6.652692	6.663052	5.49E-06	5.98E-05	3.641618	7.564586	7.560942	7.575085	7.5707	7.577124	7.574331	7.566219	7.570615	7.573085	7.582871	7.612398	7.61227	7.611889	7.604511	7.597232	7.59405
ST7	cg2563302	0.065878	6.651682	6.175408	1.34E-05	0.000124	2.721493	7.564588	7.561354	7.558718	7.571426	7.576522	7.573554	7.570641	7.576286	7.572636	7.57646	7.619547	7.604765	7.613893	7.608627	7.603972	7.586729
WIF1	cg2009646	0.06593	7.689737	4.163114	0.000735	0.003141	-1.12534	8.186114	8.182223	8.191381	8.226545	8.200876	8.163704	8.206975	8.205173	8.188459	8.227692	8.273988	8.24153	8.252322	8.238984	8.253532	8.247889
NRF1	cg1700787	0.06595	6.639051	2.576833	0.020289	0.046327	-4.65855	7.575597	7.615845	7.552517	7.541675	7.540471	7.585861	7.553592	7.551423	7.575076	7.57225	7.583966	7.580849	7.603982	7.585957	7.587049	7.629063
PPM1L	cg2223478	0.065976	7.696448	3.205125	0.005526	0.016258	-3.13276	8.191929	8.181651	8.179156	8.209096	8.192612	8.226644	8.205512	8.188219	8.203512	8.248605	8.280249	8.282766	8.267621	8.223852	8.22951	8.251435
FOXP1	cg2388952	0.065976	7.573757	5.962087	2.00E-05	0.000172	2.567143	8.137336	8.108258	8.123305	8.122814	8.135062	8.119198	8.12305	8.124483	8.11574	8.121368	8.163165	8.171488	8.155856	8.180949	8.164159	8.149404
PAX6	cg0549071	0.065984	7.992422	3.671848	0.002066	0.007282	-2.29162	8.408743	8.393963	8.417743	8.435543	8.441432	8.439222	8.434731	8.39968	8.43501	8.382358	8.472368	8.472526	8.474384	8.424856	8.46792	8.448967
RPS6KA2	cg1894930	0.066059	7.628693	5.407855	5.84E-05	0.000403	1.463799	8.175696	8.163902	8.202068	8.163308	8.180994	8.163457	8.145409	8.142252	8.156058	8.15732	8.176872	8.194999	8.203794	8.19423	8.197853	8.194926
TP53INP1	cg0651324	0.066067	7.597609	6.245294	1.18E-05	0.000111	3.104729	8.136871	8.135958	8.149331	8.129957	8.144515	8.146621	8.125185	8.140951	8.133421	8.148898	8.190737	8.183849	8.174439	8.191982	8.168929	8.172626
CSRNP1	cg0225446	0.066164	7.690029	3.378359	0.003838	0.012056	-2.77023	8.19676	8.19632	8.1774	8.18363	8.222574	8.244714	8.18573	8.200069	8.212577	8.202522	8.265139	8.260455	8.258265	8.207188	8.246064	8.23085
MYH9	cg1397341	0.066176	7.749607	4.290804	0.000563	0.002533	-0.87293	8.235475	8.238882	8.230229	8.259357	8.270472	8.231889	8.223018	8.2469	8.232672	8.264841	8.294702	8.296415	8.308839	8.274401	8.270859	8.27604
PTPRD	cg1884535	0.066189	7.083677	3.683396	0.002016	0.007148	-2.07499	7.822489	7.810234	7.830526	7.811552	7.79887	7.792855	7.806906	7.836268	7.808714	7.798477	7.838184	7.823238	7.840266	7.877021	7.869343	7.853183
LAT2	cg2135625	0.066194	7.894416	6.595624	6.20E-06	6.61E-05	3.667339	8.361857	8.360613	8.355056	8.362421	8.3516	8.337183	8.333069	8.340699	8.334204	8.351156	8.401064	8.371879	8.378868	8.386649	8.385191	8.393478
AHNAK	cg1751634	0.066206	7.975025	5.351475	6.52E-05	0.000443	1.213279	8.427305	8.412432	8.401511	8.412538	8.375237	8.413799	8.394087	8.40874	8.393985	8.410446	8.454789	8.438388	8.436321	8.448263	8.449977	8.466708
ZFHX3	cg1029874	0.066222	7.880993	7.27748	1.87E-06	2.52E-05	4.905985	8.328504	8.342387	8.338677	8.346845	8.329991	8.340685	8.343425	8.320511	8.343233	8.330852	8.387853	8.374653	8.389121	8.380098	8.375431	8.377945
FOXP1	cg0962911	0.066281	7.615716	5.518077	4.70E-05	0.000336	1.685918	8.164937	8.144396	8.160495	8.16262	8.151978	8.159959	8.132868	8.159285	8.133589	8.160429	8.200743	8.176975	8.193943	8.181122	8.183143	8.204966
DAPK2	cg0443958	0.066361	7.90457	6.727594	4.89E-06	5.49E-05	3.900696	8.344773	8.343735	8.340854	8.3433	8.35083	8.326293	8.364439	8.354919	8.342196	8.375667	8.411463	8.405167	8.39764	8.401799	8.404319	8.416187
RHOBTB2	cg1120459	0.066454	7.889765	6.881144	3.72E-06	4.42E-05	4.191776	8.360111	8.342089	8.346705	8.345905	8.338868	8.324795	8.329392	8.339457	8.345482	8.351044	8.387465	8.384781	8.387748	8.380773	8.393519	8.393408
DAPK2	cg0896072	0.066469	7.126313	3.934198	0.001188	0.004637	-1.5384	7.833923	7.833423	7.830618	7.809301	7.842168	7.795652	7.845811	7.851199	7.851696	7.83277	7.881813	7.867422	7.867249	7.913187	7.884639	7.888586
RTN4	cg1649567	0.066471	6.722068	4.835587	0.000183	0.001031	0.092083	7.598337	7.605821	7.633027	7.611075	7.623807	7.606326	7.595912	7.615538	7.600098	7.611734	7.635683	7.652339	7.631427	7.632331	7.6289	7.653953
PCDHGC3	cg1312193	0.066522	7.046429	3.215254	0.00541	0.015981	-3.066	7.781947	7.81284	7.770931	7.787299	7.769904	7.774343	7.812761	7.799747	7.776727	7.787769	7.797644	7.843439	7.810957	7.855059	7.861048	7.822335
PPP2R5C	cg0816390	0.066608	7.35989	2.913099	0.010173	0.02659	-3.65564	7.982651	7.963001	8.014433	7.976928	8.006529	8.020304	7.972549	7.965064	7.994913	7.967373	8.047578	8.0242	8.011959	7.990383	7.97718	8.044806
DKK3	cg2623527	0.066611	7.63813	3.958995	0.001128	0.004448	-1.53999	8.165345	8.137152	8.157029	8.140513	8.17223	8.17738	8.174164	8.149602	8.185562	8.171832	8.221699	8.217033	8.234047	8.228841	8.177574	8.208027
BTG3	cg2608547	0.066643	6.900272	3.191448	0.005687	0.016604	-3.2214	7.703224	7.705629	7.748959	7.705732	7.689731	7.727013	7.667524	7.715938	7.695508	7.727716	7.728514	7.73275	7.751221	7.734443	7.72986	7.745686
RTN4	cg0298692	0.066656	7.647427	2.761429	0.013917	0.034229	-4.01568	8.161496	8.176681	8.13734	8.164307	8.134004	8.176196	8.137349	8.162874	8.203635	8.218302	8.247657	8.258128	8.224388	8.180574	8.217833	8.22082
PHLPP2	cg0169876	0.066657	7.480327	5.850667	2.47E-05	0.000202	2.367373	8.066506	8.053964	8.062692	8.068857	8.057104	8.065405	8.064173	8.067242	8.044101	8.059155	8.101111	8.083563	8.102026	8.122335	8.092521	8.105046
EPAS1	cg1010747	0.06668	7.749249	5.47632	5.10E-05	0.00036	1.566736	8.248312	8.228138	8.241882	8.257891	8.254344	8.271576	8.24032	8.240604	8.236844	8.232769	8.287903	8.299447	8.286363	8.273722	8.265251	8.285095
OSCP1	cg1159600	0.066705	7.658065	4.700874	0.000241	0.001285	0.00909	8.186123	8.178842	8.176853	8.159704	8.176218	8.188643	8.196736	8.151384	8.180343	8.19305	8.219911	8.226894	8.237022	8.225364	8.238888	8.200557
CD4	cg0385595	0.066723	7.894446	7.281929	1.85E-06	2.51E-05	4.907455	8.352915	8.350947	8.355338	8.341347	8.338451	8.334011	8.335504	8.342325	8.345288	8.357484	8.393417	8.381012	8.392366	8.391766	8.390662	8.402828
HIVEP3	cg0208421	0.066811	7.335465	3.613982	0.002334	0.008045	-2.21117	7.968298	7.961316	7.954229	7.994742	7.929345	7.989736	7.967309	7.966578	7.94757	7.985042	8.018301	8.002886	8.010441	7.988704	8.025384	7.9995
ARNTL	cg1328611	0.066822	7.232466	3.88381	0.001321	0.005066	-1.63997	7.897671	7.897704	7.921823	7.903893	7.874546	7.879619	7.905423	7.911137	7.88729	7.918729	7.939171	7.938607	7.920348	7.97606	7.951736	7.94684
STARD13	cg2500217	0.066825	7.792308	7.394522	1.53E-06	2.17E-05	5.145293	8.269328	8.261525	8.266938	8.282291	8.250008	8.270323	8.279343	8.272909	8.269092	8.282897	8.321389	8.323591	8.324394	8.325253	8.319101	8.318402
ZFHX3	cg2021386	0.06683	6.658531	4.249777	0.000613	0.002718	-1.18132	7.560836	7.569083	7.563091	7.572702	7.580599	7.584677	7.567884	7.566696	7.597261	7.576129	7.622797	7.623987	7.624169	7.598184	7.592282	7.597291
HIVEP3	cg1317005	0.066831	7.812235	7.244089	1.98E-06	2.64E-05	4.876816	8.287069	8.29114	8.304051	8.298057	8.278504	8.304633	8.285052	8.284995	8.272886	8.286087	8.330703	8.323535	8.325107	8.329327	8.323073	8.338149
ADAMTS9	cg0607794	0.066875	6.672082	2.55636	0.021147	0.047964	-4.67858	7.577638	7.629859	7.574551	7.570293	7.613631	7.630692	7.579819	7.56578	7.571593	7.570197	7.63737	7.579402	7.612146	7.580306	7.630841	7.588255
LITAF	cg0650459	0.066903	7.72001	4.467208	0.00039	0.001897	-0.49513	8.208131	8.217509	8.210641	8.220018	8.219918	8.233128	8.22877	8.201393	8.227034	8.239942	8.288632	8.279422	8.276639	8.284685	8.245495	8.242454

CYGB	cg1924970	0.066912	7.883869	9.047767	1.10E-07	2.80E-06	7.822103	8.346641	8.334649	8.339566	8.337747	8.340558	8.350089	8.339185	8.33496	8.329439	8.337521	8.378315	8.383162	8.385039	8.378764	8.382918	8.384709
CTNNBIP1	cg2408614	0.066924	7.88023	4.724389	0.00023	0.001238	-0.02397	8.339718	8.341749	8.340292	8.316078	8.350287	8.350908	8.32617	8.361011	8.315554	8.325869	8.365182	8.378493	8.370235	8.385359	8.368015	8.40671
CDKN1B	cg1172849	0.066994	6.936431	2.792032	0.013068	0.032564	-4.00505	7.740931	7.725828	7.744307	7.71903	7.739114	7.737817	7.719615	7.740477	7.702069	7.72366	7.698976	7.772823	7.776721	7.780315	7.735179	7.78278
ZBTB16	cg1195841	0.06701	7.413311	3.858924	0.001392	0.005279	-1.70378	8.027513	8.020045	7.986695	8.030545	8.041768	8.027819	8.006746	8.012563	8.003019	8.028283	8.075762	8.078455	8.054797	8.037307	8.036637	8.0444
CBFA2T3	cg1869514	0.067087	7.701813	5.075105	0.000113	0.000696	0.767415	8.22782	8.195876	8.193427	8.20152	8.209366	8.206474	8.224546	8.194647	8.216544	8.21037	8.256073	8.260044	8.258205	8.229328	8.270256	8.266413
CBFA2T3	cg0422063	0.067109	7.850553	8.362694	3.14E-07	6.35E-06	6.753058	8.313769	8.323907	8.316538	8.309126	8.310744	8.30574	8.314121	8.30979	8.312606	8.319569	8.360566	8.35024	8.361512	8.365601	8.358948	8.367516
CTNND1	cg1470464	0.067196	7.845986	4.106856	0.000827	0.003461	-1.30295	8.312395	8.301619	8.326115	8.299413	8.291436	8.313245	8.333561	8.267413	8.322698	8.326122	8.371213	8.355457	8.357406	8.360792	8.336613	8.37319
ZNF366	cg0777017	0.067207	7.887068	6.706885	5.08E-06	5.61E-05	3.87314	8.32337	8.351107	8.347136	8.344336	8.323729	8.337379	8.342171	8.332654	8.355839	8.333594	8.389385	8.384969	8.390443	8.381002	8.387165	8.396325
DAPK2	cg2118866	0.067231	7.325357	4.101279	0.000837	0.003487	-1.18683	7.938065	7.953349	7.961856	7.960966	7.983041	7.968438	7.948661	7.955756	7.967573	7.965461	8.02874	8.013417	8.008398	7.980082	7.989284	7.982872
AHNAK	cg1919237	0.067243	7.629817	4.629343	0.000279	0.001444	-0.13198	8.154701	8.134709	8.154978	8.165495	8.158633	8.163374	8.165527	8.160394	8.176444	8.148517	8.237569	8.195438	8.206862	8.206681	8.18084	8.21633
ABI2	cg0425176	0.067244	7.960982	3.584034	0.002486	0.008484	-2.4584	8.421587	8.427858	8.38831	8.363984	8.398176	8.420771	8.415931	8.356725	8.369603	8.406923	8.431257	8.417564	8.432037	8.426926	8.446879	8.455703
DCN	cg0060896	0.067246	7.451017	4.24917	0.000614	0.002721	-0.88809	8.049959	8.032645	8.028473	8.033781	8.07828	8.049022	8.050289	8.024459	8.044798	8.032391	8.080574	8.086383	8.095486	8.089562	8.0771	8.053683
RCHY1	cg0794425	0.06729	7.932669	5.77523	2.86E-05	0.000228	2.078145	8.357481	8.365427	8.38371	8.391822	8.37958	8.373265	8.37654	8.377185	8.357953	8.373115	8.41317	8.428485	8.423303	8.437614	8.399719	8.410916
DLC1	cg1490086	0.067295	7.467196	3.862301	0.001382	0.005248	-1.70341	8.015413	8.071464	8.06955	8.064465	8.069053	8.058084	8.028312	8.068657	8.034409	8.058041	8.105116	8.099386	8.088234	8.077623	8.095056	8.074504
SEMA3F	cg0796920	0.067344	7.887459	6.421276	8.52E-06	8.51E-05	3.343279	8.348458	8.335556	8.342644	8.337924	8.37323	8.332455	8.339038	8.345907	8.329786	8.333769	8.380499	8.386472	8.384851	8.389537	8.37704	8.387661
UIMC1	cg1975510	0.067369	7.553802	4.539411	0.000336	0.001679	-0.30118	8.100275	8.093987	8.086907	8.129448	8.086556	8.083017	8.106731	8.106744	8.124243	8.125594	8.1795	8.150249	8.176425	8.145122	8.157402	8.149525
LATS2	cg2003671	0.067409	7.675941	4.438666	0.000414	0.001991	-0.53961	8.202802	8.196167	8.179018	8.196793	8.217838	8.224202	8.180543	8.205668	8.176101	8.176293	8.246728	8.220847	8.235494	8.210254	8.215984	8.248715
PTPRJ	cg0145669	0.06741	7.951556	4.469664	0.000388	0.00189	-0.59238	8.381969	8.419262	8.372975	8.377272	8.382148	8.389899	8.388713	8.39949	8.352412	8.402965	8.436394	8.414923	8.422887	8.438894	8.434873	8.454878
DNAJB4	cg2674286	0.06741	6.729067	3.001489	0.008464	0.022886	-3.72568	7.598951	7.590406	7.592001	7.578101	7.630589	7.605241	7.611495	7.60299	7.628564	7.636632	7.649151	7.676506	7.677946	7.632624	7.622352	7.665955
WDR48	cg0085673	0.067456	7.892713	4.307949	0.000543	0.00246	-0.90006	8.359687	8.339096	8.37315	8.365924	8.34878	8.313469	8.331451	8.340648	8.32174	8.366909	8.390144	8.378142	8.38224	8.398091	8.373941	8.402422
SEPT4	cg2445069	0.06761	7.657065	3.419862	0.003516	0.011249	-2.67369	8.16157	8.181299	8.173369	8.158922	8.203551	8.230037	8.179452	8.176399	8.183599	8.159274	8.240146	8.206469	8.242256	8.213237	8.190434	8.225696
SPOP	cg0347580	0.067628	7.84525	6.774669	4.50E-06	5.14E-05	4.014976	8.298798	8.312145	8.308516	8.294722	8.30178	8.308538	8.305782	8.308918	8.331491	8.307045	8.353235	8.363692	8.369704	8.369724	8.346902	8.358991
WIF1	cg2212098	0.067724	7.527798	5.859058	2.44E-05	0.000201	2.377306	8.09501	8.104372	8.112959	8.099059	8.089591	8.115119	8.09108	8.091467	8.083125	8.07162	8.119367	8.135085	8.109105	8.136225	8.130038	8.137613
ITGA5	cg2074973	0.067732	6.892656	2.631087	0.018172	0.042474	-4.34874	7.725424	7.726637	7.713563	7.693406	7.691578	7.679986	7.655594	7.68258	7.722364	7.737705	7.742644	7.738204	7.73559	7.718035	7.719417	7.758747
EPAS1	cg2092237	0.067753	7.81456	5.640552	3.71E-05	0.000278	1.868731	8.297722	8.295135	8.284455	8.308633	8.288901	8.295385	8.287982	8.272524	8.29598	8.278799	8.336016	8.338384	8.330648	8.320415	8.306844	8.351236
CD82	cg2643448	0.067762	7.278093	5.505937	4.81E-05	0.000343	1.705707	7.939939	7.926608	7.930004	7.931374	7.942202	7.921175	7.913464	7.94571	7.928074	7.92887	7.955287	7.965213	7.987005	7.967203	7.976401	7.968018
ALDH1A2	cg0772120	0.067781	7.863466	3.332997	0.004223	0.013062	-2.93377	8.321512	8.31217	8.318071	8.2868	8.342825	8.382142	8.311946	8.321555	8.342374	8.304909	8.379111	8.380642	8.378979	8.348763	8.346213	8.371291
SLIT2	cg2354989	0.06779	7.894048	2.911431	0.010208	0.026652	-3.81254	8.338389	8.353204	8.319484	8.340853	8.389603	8.349171	8.343903	8.33478	8.304706	8.38697	8.388974	8.417188	8.404346	8.410232	8.378265	8.342105
RNF111	cg2117812	0.067849	7.927493	8.243733	3.79E-07	7.33E-06	6.52943	8.377347	8.371551	8.369175	8.368232	8.381325	8.361783	8.363586	8.376653	8.365818	8.362527	8.406578	8.412159	8.418157	8.417802	8.425128	8.411033
PTPRD	cg0577570	0.067871	7.676495	3.005109	0.0084	0.022749	-3.53486	8.186149	8.169795	8.177306	8.229808	8.202319	8.156825	8.211285	8.193201	8.169575	8.204178	8.24028	8.23168	8.261745	8.215352	8.20829	8.283371
LXN	cg1797725	0.067882	7.628816	4.314753	0.000536	0.00243	-0.79032	8.15074	8.141318	8.150526	8.140372	8.172219	8.131071	8.149387	8.158344	8.178089	8.1781	8.221417	8.235014	8.204374	8.202427	8.222608	8.180242
CDH4	cg1730177	0.067941	7.312918	2.673547	0.016665	0.039675	-4.12702	7.928569	7.924718	7.931176	7.963587	7.973299	7.962476	7.954369	7.935449	7.953236	7.976011	8.042512	8.014078	8.013472	7.990181	7.972568	7.945251
TCEB3	cg2450290	0.067973	7.803282	2.989447	0.008679	0.023362	-3.61031	8.255352	8.290043	8.283974	8.294747	8.259706	8.299543	8.258513	8.265392	8.313555	8.281469	8.343693	8.333119	8.34946	8.349631	8.264011	8.319929
EDNRB	cg1260211	0.067984	7.343743	3.464057	0.003203	0.010425	-2.52542	7.965583	7.979016	7.983869	7.986377	7.953928	7.922917	7.984508	7.97846	7.976677	7.961087	7.99331	8.006955	7.999473	8.038093	8.041625	8.022843
PRKCB	cg1872446	0.068057	6.879693	2.919428	0.01004	0.026321	-3.7884	7.690734	7.704711	7.683676	7.684103	7.743015	7.691359	7.730142	7.675289	7.677791	7.680867	7.71015	7.753816	7.715772	7.734949	7.73499	7.712574
SPI1	cg0153984	0.068085	6.778877	3.073514	0.007282	0.02027	-3.56988	7.700069	7.664492	7.659198	7.676719	7.670656	7.656971	7.641308	7.597439	7.60395	7.635206	7.629683	7.6418	7.680761	7.638142	7.649608	7.683765
ZFHX3	cg0231088	0.068132	6.657328	4.740478	0.000223	0.001204	-0.15436	7.565188	7.562255	7.562647	7.578756	7.576231	7.584345	7.569671	7.566342	7.580624	7.586199	7.62715	7.615877	7.624305	7.596066	7.599755	7.592
TCF4	cg0272505	0.068134	7.10656	2.754122	0.014128	0.034643	-3.97468	7.810042	7.818645	7.81878	7.839344	7.838937	7.829046	7.796315	7.808841	7.854671	7.839921	7.890098	7.872855	7.907557	7.841257	7.833454	7.838899
SFRP1	cg1244120	0.068147	7.679375	5.429208	5.60E-05	0.000389	1.490636	8.204269	8.191752	8.195077	8.193968	8.18878	8.19847	8.185437	8.189249	8.211488	8.184018	8.224237	8.248634	8.249913	8.228153	8.25886	8.219309
CAPG	cg1643790	0.068151	7.123159	3.521822	0.002835	0.009454	-2.40546	7.832157	7.825155	7.816274	7.842595	7.857068	7.859824	7.836286	7.817869	7.839939	7.837521	7.887358	7.890116	7.897961	7.861382	7.852788	7.84349
SRPX	cg0245763	0.068176	7.917776	3.627155	0.00227	0.007874	-2.35114	8.350503	8.364342	8.348289	8.357199	8.340145	8.365771	8.352205	8.370835	8.32867	8.413143	8.425525	8.41642	8.411619	8.392429	8.446682	8.393451
GRIN2A	cg0688061	0.068192	6.650984	4.128009	0.000791	0.003347	-1.43774	7.565413	7.563465	7.562499	7.552792	7.551996	7.555363	7.594317	7.566111	7.600249	7.552621	7.609244	7.596874	7.610632	7.608222	7.609801	7.636065
ZHX2	cg2100809	0.068194	6.826631	5.257805	7.85E-05	0.000517	1.032957	7.669926	7.679419	7.667039	7.687579	7.664103	7.676724	7.664207	7.650626	7.655326	7.666019	7.678438	7.709851	7.703889	7.707897	7.687713	7.679463
YAP1	cg1544849	0.068194	6.660526	4.820965	0.000189	0.001054	0.009257	7.582889	7.577313	7.570168	7.579861	7.610234	7.57024	7.576408	7.567978	7.568817	7.57568	7.625093	7.608845	7.598354	7.604925	7.605786	7.590982
UNC5D	cg1039354	0.068218	7.603754	4.689576	0.000247	0.001311	-0.00127	8.160919	8.110491	8.122421	8.137637	8.119128	8.129726	8.13068	8.158089	8.149193	8.158992	8.205165	8.186467	8.19744	8.194431	8.208002	8.173798
RUNX3	cg0518202	0.068373	7.890591	5.687653	3.38E-05	0.000259	1.923702	8.338443	8.338573	8.348412	8.335974	8.328814	8.338968	8.329178	8.327675	8.351764	8.369052	8.394055	8.402195	8.402319	8.371456	8.38956	8.395144
RASSF1	cg2155455	0.068411	7.493447	4.646369	0.00027	0.001406	-0.06542	8.065016	8.06029	8.057094	8.075051	8.082429	8.065932	8.054557	8.062135	8.073636	8.084431	8.134775	8.125072	8.124036	8.106532	8.098252	8.086225
PEA15	cg0756605	0.068487	7.859425	7.818249	7.53E-07	1.25E-05	5.847581	8.310149	8.305591	8.31708	8.322515	8.308597	8.331939	8.326678	8.324652	8.320205	8.316269	8.366136	8.37367	8.377518	8.364003	8.369151	8.368232
PTPRD	cg1412298	0.068498	6.646332	4.0802	0.000874	0.00362	-1.54928	7.555232	7.558969	7.554568	7.571423	7.577136	7.568025	7.565637	7.561771	7.577508	7.578553	7.600948	7.613517	7.637079	7.607092	7.590277	7.577947
RARB	cg0179480	0.068542	7.580643	2.899926	0.010455	0.027191	-3.71797	8.121438	8.098399	8.114371	8.14098	8.15613	8.138004	8.126179	8.111339	8.110422	8.153125	8.192162	8.191166	8.18788	8.156308	8.184864	8.108788
EMP1	cg1602204	0.068554	6.669699	2.763641	0.013854	0.034134	-4.2624	7.562323	7.565465	7.582301	7.582215	7.599416	7.58688	7.571158	7.560387	7.591576	7.60116	7.6603	7.599045	7.644764	7.591138	7.590994	7.603685
CASP5	cg2710381	0.068555	7.842088	3.16878	0.005964	0.017251	-3.26229	8.297231	8.265298	8.306333	8.321813	8.328314	8.349336	8.302888	8.310142	8.290918	8.315881	8.37568	8.366635	8.375583	8.361229	8.319927	8.317075
RASSF1	cg1302843	0.068732	7.868673	5.655366	3.60E-05	0.000271	1.870958	8.324466	8.319689	8.341456	8.322088	8.318459	8.323765	8.330755	8.308139	8.33971	8.32954	8.379597	8.361461	8.38908	8.35218	8.378253	8.390108
DCN	cg1276259	0.06877	7.566324	3.517216	0.002863	0.00952	-2.44503	8.111435	8.114794	8.114108	8.116585	8.175378	8.129637	8.103385	8.118383	8.087649	8.132764	8.172557	8.151691	8.177164	8.145867	8.129501	8.154967
EXT1	cg0290566	0.068793	6.807804	4.07121	0.000891	0.003673	-1.4465	7.65839	7.657914	7.66783	7.661422	7.687597	7.654486	7.628314	7.681809	7.644923	7.637653	7.694116	7.666218	7.686222	7.682855	7.691528	7.680831
NNAT	cg2242114	0.068843	7.841205	6.527598	7.01E-06	7.24E-05	3.560216	8.288468	8.301305	8.303029	8.293212	8.316012	8.309221	8.319528	8.309295	8.289683	8.319525	8.366938	8.360959	8.347888	8.362502	8.35181	8.354313
THRB	cg1538562	0.068898	6.806513	4.363934	0.000484	0.002248	-0.82707	7.673057	7.676479	7.648076	7.651204	7.658581	7.637527	7.645886	7.650322	7.643513	7.664927	7.695385	7.681831	7.664845	7.69527	7.707167	7.676844
CXCR2	cg1192675	0.069002	7.578748	3.719387	0.001869	0.006708	-2.02687	8.134085	8.121422	8.128303	8.100061	8.142781	8.101333	8.114149	8.1062	8.15957	8.128854	8.145106	8.19859	8.185228	8.167058	8.159631	8.17845
CDKN1B	cg2071433	0.069004	6.677739	3.178687	0.005842	0.016951	-3.41754	7.572328	7.564409	7.605828	7.577486	7.624889	7.576963	7.618895	7.566383	7.571754	7.576587	7.616936	7.617901	7.617453	7.624479	7.617518	7.610021
ROBO1	cg0830503	0.069035	7.900381	5.780367	2.83E-05	0.000226	2.104139	8.342356	8.339631	8.356415	8.359074	8.360514	8.35768	8.357362	8.336489	8.352513	8.34046	8.393177	8.403085	8.407956	8.391842	8.366758	8.409108
MT2A	cg2043043	0.069073	6.794628	4.479611	0.00038	0.001858	-0.59438	7.67395	7.644718	7.640481	7.664201	7.657317	7.635883	7.64854	7.633828	7.625712	7.666527	7.682141	7.682617	7.676661	7.684455	7.669061	7.680162
CDH13	cg0874737	0.069074	7.30455	4.11112	0.00082	0.003439	-1.16446	7.965476	7.965974	7.976573	7.933702	7.940063	7.943837	7.934872	7.948156	7.949563	7.934116	7.967565	7.963849	7.96918	7.995311	7.99466	8.011186
DCC	cg1887413	0.069089	6.703027	5.863965	2.41E-05	0.000199	2.156231	7.599365	7.593764	7.596882	7.601444	7.589132	7.60607	7.600238	7.605641	7.579615	7.606481	7.642614	7.620028	7.627925	7.637376	7.646276	7.620846
UNC5D	cg2530691	0.0691	6.93893	4.491809	0.000371	0.001821	-0.46998	7.7359	7.733085	7.72237	7.751934	7.737515	7.72561	7.712776	7.741375	7.712555	7.725449	7.770066	7.739153	7.777084	7.777952	7.753602	7.745081
LRRC3B	cg0321311	0.069112	7.137163	3.040374	0.007804	0.021428	-3.39615	7.865546	7.837624	7.864358	7.818759	7.815976	7.814163	7.85083	7.850672	7.841394	7.847916	7.863194	7.881623	7.849913	7.910677	7.917611	7.904467
ALPL	cg0872799	0.069131	7.908537	4.641935	0.000272	0.001415	-0.2089	8.360725	8.37004	8.363224	8.372406	8.373487	8.32766	8.365472	8.334805	8.325355	8.378168	8.384982	8.40318	8.403107	8.402582	8.396736	8.40709
RPS6KA2	cg1230890	0.069135	7.418755	6.073636	1.62E-05	0.000144	2.806169	8.027555	8.02132	8.029018	8.036966	8.023224	8.029439	8.004984	8.011576	8.013456	8.026474	8.059795	8.064039	8.07425	8.04606	8.060986	8.039403
DDX3X	cg1782366	0.069137	6.664518	2.983245	0.008792	0.023615	-3.82906	7.557579	7.556487	7.585602	7.559415	7.60976	7.613168	7.589592	7.601371	7.553687	7.560652	7.608814	7.609903	7.615393	7.616373	7.603778	7.606879
PTEN	cg0461669	0.069159	7.076329	3.928997	0.001201	0.00468	-1.56267	7.82258	7.816273	7.81779	7.796665	7.781807	7.809955	7.810222	7.813211	7.800421	7.802849	7.820293	7.819589	7.84954	7.85318	7.861721	7.871853
LRRC3B	cg1541397	0.069271	7.290457	2.53923	0.021892	0.04938	-4.38419	7.944058	7.919815	7.929399	7.968908	7.977451	7.928756	7.932264	7.937765	7.95363	7.90925	7.974681	7.991428	7.991409	7.912792	8.020104	7.961229
AKAP12	cg1350072	0.069299	7.622937	3.536728	0.002748	0.009211	-2.42268	8.150957	8.144048	8.140877	8.119331	8.173184	8.151351	8.156397	8.133238	8.180002	8.169033	8.222622	8.211833	8.213087	8.190585	8.16365	8.231931
DMD	cg0780419	0.069467	6.954496	2.697585	0.015865	0.038146	-4.17085	7.721255	7.706504	7.719864	7.741513	7.747114	7.747693	7.722129	7.735654	7.757357	7.742421	7.81851	7.794351	7.78735	7.726912	7.793364	7.745104
GSK3B	cg1951939	0.069481	6.653357	6.378528	9.21E-06	9.06E-05	3.108577	7.565079	7.563919	7.567451	7.574471	7.574877	7.575963	7.564966	7.571506	7.57402	7.580426	7.60754	7.618734	7.617679	7.591962	7.595134	7.610017
PRKAR1A	cg0306272	0.069521	7.927646	2.993524	0.008606	0.023201	-3.66419	8.353988	8.359812	8.369671	8.423462	8.362721	8.369776	8.37433	8.341689	8.34761	8.399087	8.4347	8.436848	8.424142	8.396952	8.360907	8.436189
EYA4	cg1428711	0.069594	7.420549	4.191991	0.000692	0.002992	-1.0051	8.039356	8.012656	8.011211	7.993685	8.028277	8.015707	8.012217	8.037551	7.994552	8.045843	8.070254	8.054415	8.048484	8.080707	8.076067	8.067409
CUX1	cg0291596	0.06961	7.358721	4.66519	0.00026	0.001363	-0.01054	7.980961	7.997087	7.980942	7.966645	7.97819	7.98564	7.961909	7.998475	7.999464	7.960328	8.014532	8.025639	8.013908	8.025449	8.01429	8.044001
FOXP1	cg0103291	0.069631	7.545808	4.314778	0.000536	0.00243	-0.76704	8.09907	8.100611	8.076265	8.099233	8.126811	8.11973	8.120748	8.100124	8.106043	8.081951	8.151286	8.163756	8.14513	8.150025	8.155455	8.11868
DDR2	cg2114007	0.069656	7.599691	3.957944	0.00113	0.004453	-1.5293	8.115617	8.164523	8.159933	8.145305	8.119366	8.156158	8.164407	8.132331	8.123423	8.124646	8.187403	8.157909	8.170864	8.193526	8.178847	8.203224
EDNRB	cg1991621	0.069678	7.399453	4.103341	0.000833	0.003477	-1.18837	8.020702	8.024565	7.997194	7.991861	7.999324	8.035541	8.011307	8.004063	8.020719	7.979287	8.05543	8.023092	8.040175	8.062299	8.038794	8.063932
GPRC5A	cg2020620	0.069848	7.817081	5.116402	0.000104	0.000654	0.808831	8.268674	8.281787	8.284992	8.270787	8.272266	8.30492	8.290741	8.290834	8.274054	8.32241	8.351521	8.356761	8.334985	8.344081	8.325154	8.344876
FABP3	cg1440743	0.069855	7.808257	6.386079	9.08E-06	8.96E-05	3.312795	8.295912	8.300919	8.286535	8.285274	8.302873	8.281076	8.281415	8.272452	8.277131	8.279247	8.319896	8.341457	8.310849	8.314286	8.324756	8.343206
SFRP5	cg1085141	0.069884	7.032033	4.836429	0.000183	0.00103	0.307432	7.795765	7.801965	7.788988	7.773241	7.775313	7.78841	7.780469	7.777103	7.763331	7.786665	7.789359	7.814888	7.812408	7.839022	7.819383	7.820913
PTPRJ	cg2364661	0.069974	7.364021	4.054595	0.000923	0.003772	-1.28786	7.992064	7.972541	7.979982	8.002875	8.012499	7.952168	7.985337	7.986452	7.957185	8.003311	8.038672	8.025803	8.015485	8.028562	8.029875	8.019388
PTPRK	cg2601425	0.070026	7.78941	3.562812	0.0026	0.00881	-2.41673	8.267941	8.255112	8.271972	8.264552	8.286897	8.339189	8.293147	8.27072	8.242705	8.245555	8.310636	8.316358	8.315963	8.300516	8.319945	8.302891
CTNND1	cg2467044	0.070026	6.808295	5.265577	7.73E-05	0.00051	1.038366	7.672009	7.657403	7.659532	7.668204	7.636211	7.662684	7.636051	7.6489	7.658406	7.661654	7.689392	7.678808	7.700438	7.693544	7.676495	7.68665
FAM188A	cg1905347	0.070168	6.673385	5.202177	8.77E-05	0.000567	0.810336	7.577472	7.584202	7.573218	7.587113	7.573497	7.582797	7.572185	7.590663	7.581454	7.58994	7.620238	7.645876	7.597517	7.610649	7.623496	7.612319
PTPRK	cg1587811	0.070235	7.93686	8.136822	4.49E-07	8.31E-06	6.349308	8.377724	8.383596	8.378827	8.377173	8.378836	8.361166	8.369162	8.380542	8.365071	8.381902	8.411726	8.4263	8.4227	8.423878	8.429464	8.430051
MRVI1	cg1669595	0.070293	7.80509	5.67999	3.43E-05	0.000261	1.946959	8.275183	8.26589	8.262373	8.302097	8.263972	8.276156	8.29059	8.289199	8.284226	8.273986	8.33211	8.345752	8.328435	8.327799	8.350162	8.314258
FOXP1	cg0848951	0.070296	7.778982	4.550427	0.000329	0.001648	-0.34006	8.271462	8.264534	8.284246	8.267447	8.25887	8.24217	8.238179	8.282904	8.27759	8.244639	8.287362	8.296654	8.321558	8.326569	8.318189	8.303676
AHNAK	cg0469148	0.070339	7.858917	8.253066	3.73E-07	7.26E-06	6.571497	8.317696	8.32968	8.3107	8.315739	8.321098	8.317122	8.315782	8.324721	8.326582	8.308782	8.367987	8.368824	8.364733	8.359342	8.377936	8.369678
PLA2G16	cg1527791	0.070369	7.762429	5.047588	0.000119	0.000727	0.693628	8.263239	8.236386	8.246282	8.237927	8.242112	8.289644	8.247165	8.241843	8.250701	8.258289	8.29991	8.313365	8.30138	8.283171	8.290691	8.297129
ZBTB16	cg2131060	0.070379	7.468023	4.574789	0.000313	0.001581	-0.21017	8.042888	8.030091	8.069555	8.061063	8.054356	8.050273	8.058936	8.050133	8.065019	8.029692	8.116581	8.099004	8.069232	8.109094	8.087642	8.092783
EPAS1	cg2021511	0.070496	7.643567	3.886013	0.001315	0.005051	-1.69287	8.170055	8.164487	8.170534	8.179588	8.193122	8.162836	8.152471	8.205722	8.15618	8.147903	8.185879	8.200622	8.241458	8.230228	8.218283	8.197815
LIMA1	cg0639990	0.070507	6.784683	3.717248	0.001877	0.006732	-2.2008	7.614788	7.62967	7.638236	7.625128	7.657439	7.654147	7.639529	7.63737	7.660947	7.639072	7.687961	7.681635	7.712343	7.679751	7.656354	7.666124
RNASEL	cg1360699	0.070519	7.725404	3.791005	0.001607	0.005926	-1.92115	8.222971	8.201247	8.207434	8.207413	8.203229	8.211727	8.276703	8.23329	8.204106	8.22348	8.276817	8.256144	8.271714	8.269433	8.304364	8.3155
PTPRC	cg1911161	0.070544	7.866882	2.641797	0.01778	0.041719	-4.3315	8.339848	8.290115	8.322458	8.319378	8.412654	8.292429	8.344264	8.299814	8.33509	8.307522	8.38707	8.361061	8.399759	8.368549	8.345733	8.36374
DMBT1	cg2027177	0.070548	7.476269	4.831868	0.000185	0.001036	0.321139	8.071772	8.052276	8.047569	8.06778	8.061759	8.03873	8.063425	8.047618	8.046409	8.067926	8.115296	8.101027	8.089101	8.073513	8.113444	8.115782
KLF6	cg0763990	0.070578	7.919319	6.675784	5.37E-06	5.86E-05	3.803768	8.367459	8.364682	8.368726	8.366317	8.363096	8.383227	8.351363	8.360524	8.350648	8.369893	8.414476	8.40454	8.415434	8.425024	8.385872	8.402595
MYH9	cg0905111	0.070666	7.340206	6.54846	6.75E-06	7.07E-05	3.707472	7.951588	7.960064	7.956893	7.965926	7.964129	7.947314	7.986638	7.969409	7.972314	7.972027	8.036332	8.010418	8.007123	8.020206	8.016652	8.021295
AHNAK	cg0378166	0.070713	7.83269	4.131888	0.000785	0.003321	-1.24069	8.320696	8.314004	8.343085	8.290073	8.283232	8.291048	8.283591	8.280041	8.321403	8.298997	8.322523	8.333005	8.353367	8.353141	8.343518	8.364572
STAT3	cg1287390	0.070729	7.696093	6.621344	5.92E-06	6.37E-05	3.783588	8.181479	8.189056	8.197782	8.207443	8.210331	8.194021	8.214756	8.21005	8.199182	8.2125	8.261242	8.253972	8.269013	8.263221	8.251973	8.241599
TGFB1	cg1171480	0.070772	6.646282	3.792165	0.001603	0.005914	-2.15633	7.545881	7.559742	7.561981	7.569704	7.582091	7.553312	7.562322	7.585536	7.562407	7.575414	7.603076	7.608314	7.621298	7.582831	7.58486	7.63703
CBFA2T3	cg2741809	0.070803	7.872443	6.901317	3.59E-06	4.31E-05	4.236276	8.343357	8.336847	8.328664	8.329977	8.315886	8.326012	8.335923	8.313117	8.326234	8.334212	8.37131	8.375478	8.372349	8.389133	8.364701	8.388737
EYA4	cg2484276	0.070804	7.413977	4.618533	0.000286	0.001467	-0.11247	8.021615	8.025503	8.017765	8.031058	7.994663	8.00863	8.016745	8.026049	8.004138	8.014482	8.062114	8.052845	8.02893	8.078295	8.053688	8.082949
CUX1	cg2080251	0.070832	7.867834	3.852548	0.001411	0.005324	-1.85323	8.325242	8.314766	8.334621	8.293728	8.336512	8.268151	8.340929	8.319749	8.329016	8.342037	8.364731	8.369116	8.384983	8.40335	8.410613	8.362995
MT1M	cg2087674	0.070836	7.773311	4.922997	0.000154	0.000891	0.434151	8.26481	8.251187	8.253416	8.250265	8.259237	8.277772	8.269975	8.24668	8.265915	8.247003	8.333984	8.310867	8.277217	8.319826	8.302889	8.290937
DLG1	cg2628756	0.07086	7.436968	3.777521	0.001653	0.006065	-1.87837	8.023188	8.038647	8.041436	8.018701	8.034903	8.018157	8.055963	7.983115	8.047621	8.040339	8.089317	8.083197	8.072805	8.091462	8.065644	8.055763
DAPK2	cg1396117	0.071032	7.906769	5.52046	4.68E-05	0.000335	1.588739	8.388973	8.362426	8.351266	8.378358	8.357461	8.352748	8.33729	8.365681	8.343174	8.336633	8.402717	8.389734	8.376863	8.399612	8.414488	8.390809
PLCE1	cg1474115	0.071228	7.442193	3.352255	0.004055	0.012634	-2.76647	8.044316	8.042073	8.04417	8.07773	8.057776	8.011612	8.021265	8.024155	8.022729	8.038602	8.070202	8.06788	8.08747	8.066767	8.026666	8.111287
TSC1	cg0622153	0.071263	7.585839	2.930997	0.009802	0.025814	-3.65561	8.12957	8.125378	8.105102	8.133606	8.188812	8.148169	8.112784	8.110328	8.12262	8.148878	8.177968	8.196071	8.212333	8.14774	8.146322	8.142109
TNFSF12	cg1382908	0.071288	7.751337	5.559444	4.34E-05	0.000314	1.730622	8.238656	8.245585	8.246452	8.247557	8.273253	8.226098	8.232611	8.239531	8.227839	8.262081	8.293309	8.29657	8.294524	8.280309	8.278544	8.291394
FOXO3	cg0993039	0.071338	7.792754	5.488168	4.98E-05	0.000353	1.571809	8.254325	8.268965	8.266179	8.270566	8.282641	8.263662	8.295674	8.273149	8.271198	8.256297	8.295945	8.341166	8.324184	8.329913	8.327968	8.320304
RASAL2	cg2500535	0.071361	7.78915	3.361876	0.003973	0.012431	-2.84045	8.285911	8.256293	8.310448	8.245214	8.255835	8.239538	8.280433	8.281131	8.276851	8.247031	8.30731	8.29173	8.293389	8.347381	8.33631	8.347219
MTSS1	cg0953015	0.071368	7.512271	3.822247	0.001504	0.0056	-1.79532	8.061452	8.084676	8.066599	8.088521	8.120267	8.076592	8.060088	8.092706	8.08561	8.074475	8.136796	8.151892	8.12654	8.124321	8.115005	8.090542
FOXP1	cg0304020	0.071399	7.012373	2.595747	0.019525	0.044951	-4.3284	7.758589	7.740717	7.738316	7.790239	7.791124	7.776335	7.750482	7.765087	7.771228	7.7972	7.843927	7.832754	7.845045	7.777213	7.783216	7.783644
LIFR	cg2069903	0.071474	7.287615	3.567978	0.002572	0.00873	-2.30366	7.955137	7.951536	7.938706	7.973831	7.98051	7.941587	7.921499	7.946595	7.914682	7.906424	7.947795	7.991566	7.96143	7.977391	7.985865	7.928439
CDH13	cg0800493	0.071563	7.455884	4.295409	0.000558	0.002512	-0.79221	8.040653	8.050145	8.011934	8.067824	8.049936	8.047612	8.021942	8.061793	8.044799	8.038668	8.102026	8.091863	8.103741	8.085776	8.06935	8.070441
RBMS3	cg1268071	0.071593	7.112171	3.260392	0.00492	0.014812	-2.95108	7.816445	7.835534	7.823463	7.838054	7.874151	7.827453	7.8208	7.818112	7.796507	7.8568	7.875586	7.858961	7.897236	7.856363	7.856393	7.840103
ABCG2	cg0201677	0.071683	7.245518	3.920355	0.001223	0.004743	-1.56327	7.920309	7.910222	7.92161	7.914976	7.89341	7.903789	7.931081	7.914812	7.879096	7.906503	7.934313	7.929132	7.933301	7.981436	7.958963	7.967508
RPS6KA2	cg1575158	0.07169	7.83741	4.164458	0.000733	0.003134	-1.17824	8.292398	8.291588	8.267058	8.322386	8.283952	8.326384	8.302807	8.30503	8.301598	8.317492	8.362093	8.383588	8.36816	8.334065	8.362196	8.33021
MAPK10	cg1457889	0.071717	7.508192	5.392649	6.01E-05	0.000414	1.457985	8.082015	8.065854	8.087088	8.104267	8.084917	8.080517	8.073618	8.062359	8.091771	8.06458	8.136139	8.132854	8.109895	8.112692	8.116086	8.107257

ST7	cg0875131	0.071728	7.915092	6.620043	5.93E-06	6.37E-05	3.703892	8.365537	8.363094	8.367739	8.386948	8.357702	8.380552	8.352739	8.353357	8.333081	8.3686	8.411806	8.411651	8.397041	8.396146	8.404475	8.394232
CADM1	cg0512545	0.071739	7.6474	6.545631	6.79E-06	7.09E-05	3.656741	8.174314	8.182504	8.168512	8.173498	8.168355	8.171521	8.176227	8.156592	8.166056	8.178569	8.214017	8.217078	8.224297	8.225287	8.193898	8.228183
ING5	cg0677127	0.071851	7.948381	3.150405	0.006199	0.017812	-3.35622	8.38753	8.416848	8.363965	8.370705	8.42988	8.338574	8.388488	8.361765	8.429832	8.348048	8.436255	8.426395	8.437594	8.43276	8.424739	8.440461
CDH13	cg1252679	0.071857	6.838293	2.922717	0.009972	0.026178	-3.80704	7.642676	7.666023	7.657762	7.679548	7.681709	7.677998	7.646646	7.662031	7.680673	7.699207	7.718293	7.74495	7.739723	7.690187	7.683135	7.683757
PHLPP2	cg2164268	0.07187	7.272716	5.85584	2.45E-05	0.000201	2.39491	7.937502	7.933789	7.922561	7.952959	7.927768	7.919696	7.919102	7.916443	7.929501	7.922212	7.97633	7.975464	7.955568	7.956432	7.955003	7.972007
KANK1	cg0259638	0.07189	7.36744	3.585906	0.002477	0.00846	-2.2728	7.968724	7.959171	7.968371	8.00172	7.981375	8.014338	7.989508	7.983952	8.002066	7.97504	8.049675	8.06725	8.031938	8.015468	8.002799	8.026808
DIRAS3	cg1309941	0.071893	7.722875	2.666169	0.016918	0.040138	-4.2241	8.201142	8.180801	8.205868	8.266708	8.223556	8.21092	8.19429	8.22583	8.235407	8.254429	8.284348	8.317055	8.314407	8.260397	8.2247	8.257939
CHD5	cg0927188	0.072006	7.762615	6.024665	1.78E-05	0.000156	2.639242	8.263239	8.248799	8.27442	8.240563	8.268626	8.239998	8.252143	8.243332	8.237863	8.254692	8.283443	8.293924	8.291968	8.29555	8.297242	8.315249
CADM1	cg1159481	0.07201	6.93448	3.479114	0.003103	0.010155	-2.59786	7.717251	7.717986	7.713002	7.737609	7.737203	7.732401	7.732418	7.695633	7.748069	7.716556	7.790822	7.774409	7.770741	7.728097	7.742464	7.767211
IQGAP2	cg2463737	0.07202	7.229739	3.517106	0.002864	0.00952	-2.40885	7.859672	7.900534	7.88961	7.925337	7.899246	7.909519	7.891741	7.908118	7.91213	7.888692	7.971127	7.948201	7.957973	7.9276	7.909058	7.945253
PARK2	ch.6.32135	0.072022	6.659324	5.223007	8.41E-05	0.000548	0.838475	7.561051	7.58598	7.565333	7.579892	7.585829	7.573183	7.563013	7.57079	7.579448	7.582621	7.611881	7.610317	7.633698	7.600097	7.597766	7.603094
HOMER2	cg0461980	0.072122	7.157262	5.915781	2.19E-05	0.000184	2.510023	7.854559	7.860129	7.850685	7.855283	7.857491	7.865654	7.833285	7.859208	7.860713	7.859765	7.902265	7.901942	7.902147	7.896155	7.874423	7.89481
IQGAP2	cg1879332	0.07217	7.922553	4.167316	0.000729	0.003117	-1.21506	8.377245	8.364626	8.329083	8.365899	8.346493	8.365668	8.40368	8.359961	8.338438	8.368615	8.404914	8.422702	8.405354	8.447807	8.40232	8.429879
PARK2	cg2469324	0.07228	6.701579	4.014978	0.001003	0.004043	-1.63809	7.605661	7.595136	7.584521	7.574143	7.586733	7.598135	7.578499	7.58601	7.619456	7.616449	7.629326	7.658899	7.643448	7.623095	7.620758	7.642558
PTENP1	cg1072065	0.072327	7.77885	2.552278	0.021322	0.048266	-4.45896	8.273327	8.258698	8.25584	8.245657	8.317285	8.307554	8.263879	8.216841	8.27612	8.254874	8.324631	8.318216	8.3291	8.239341	8.268508	8.335955
BMPR1A	cg0694103	0.072354	7.529366	4.034913	0.000962	0.00391	-1.35246	8.08601	8.09612	8.100134	8.07917	8.089587	8.064168	8.093254	8.097655	8.117859	8.068338	8.121144	8.107419	8.167775	8.153303	8.15376	8.143557
FLT3	cg0535521	0.072372	7.116982	3.412534	0.003571	0.01137	-2.63336	7.810063	7.809345	7.81866	7.818022	7.841545	7.850953	7.849735	7.817166	7.863187	7.806028	7.90918	7.872668	7.883603	7.866304	7.856841	7.866005
RAP1A	cg0892655	0.072451	7.305614	4.434295	0.000418	0.002004	-0.48758	7.939099	7.938767	7.943968	7.931431	7.937386	7.978404	7.946721	7.956704	7.951572	7.933479	7.968042	7.999684	8.005457	8.011885	7.974653	7.988295
TOM1L2	cg0886629	0.072495	6.936821	4.125413	0.000795	0.003357	-1.23281	7.731442	7.718025	7.719707	7.700753	7.73853	7.700159	7.745508	7.718499	7.719437	7.735621	7.752808	7.755161	7.778749	7.78107	7.754038	7.794272
GRIN2A	cg1690458	0.072517	7.263604	3.053265	0.007597	0.020986	-3.36689	7.931647	7.930205	7.932778	7.898612	7.903225	7.946644	7.943326	7.932459	7.913435	7.881677	7.933887	7.931577	7.950365	7.974096	8.003749	7.974474
CDK6	cg1526171	0.072519	7.064097	4.584878	0.000306	0.001555	-0.19419	7.783319	7.78614	7.819166	7.810596	7.807156	7.792993	7.805765	7.803513	7.796538	7.788218	7.830302	7.842878	7.848739	7.835145	7.866042	7.814866
BNIP3L	cg2012994	0.072545	7.885967	5.956735	2.02E-05	0.000172	2.455248	8.343856	8.362992	8.335013	8.345436	8.341774	8.315027	8.326586	8.34227	8.332227	8.342121	8.379851	8.395198	8.369091	8.398467	8.398412	8.379635
EPHA3	cg1748596	0.072585	7.839171	7.40857	1.49E-06	2.14E-05	5.153711	8.3014	8.304261	8.306873	8.319531	8.315361	8.295953	8.308132	8.305029	8.288877	8.307424	8.340843	8.364086	8.355212	8.358505	8.344399	8.354206
CDH4	cg1510190	0.072591	7.164614	4.831651	0.000185	0.001036	0.33784	7.860223	7.865391	7.865724	7.890724	7.863509	7.867547	7.848556	7.845765	7.849958	7.868843	7.901489	7.91355	7.902124	7.901808	7.864491	7.890528
CNDP2	cg2644613	0.072624	7.195824	3.481911	0.003085	0.010102	-2.48251	7.863237	7.847637	7.871227	7.894399	7.892366	7.902934	7.884286	7.868627	7.880104	7.87823	7.926165	7.951597	7.946283	7.900281	7.893584	7.906897
NNAT	cg1366882	0.072635	7.877673	6.615568	5.98E-06	6.40E-05	3.712266	8.348972	8.323545	8.336359	8.352537	8.355687	8.336655	8.316315	8.338326	8.317553	8.328927	8.376436	8.384035	8.382095	8.367709	8.362137	8.38467
NEDD4L	cg0922387	0.07268	7.888144	5.799801	2.73E-05	0.00022	2.147999	8.345954	8.369301	8.318694	8.335641	8.338123	8.348989	8.344062	8.340574	8.338377	8.324918	8.381274	8.371505	8.396079	8.405995	8.38947	8.384136
TDGF1	cg1431707	0.072694	7.688019	4.170662	0.000724	0.0031	-1.10918	8.22797	8.182658	8.187566	8.17674	8.170994	8.186668	8.20722	8.205209	8.200611	8.203671	8.21578	8.247103	8.263276	8.245982	8.284971	8.262371
ERF	cg1220996	0.072738	7.358382	4.390149	0.000458	0.002154	-0.58299	7.990104	7.998965	7.996569	7.982407	7.956305	8.014268	7.96617	7.964065	7.980792	7.983279	8.030987	8.031371	7.994315	8.024664	8.02744	8.002091
RUNX3	cg1549813	0.072744	7.712581	4.35642	0.000491	0.002274	-0.72075	8.250308	8.230799	8.257886	8.195291	8.245678	8.219059	8.199272	8.200582	8.216805	8.202176	8.243599	8.240189	8.248125	8.241595	8.271705	8.277408
RAB7A	cg0504248	0.072783	7.941803	7.850937	7.14E-07	1.20E-05	5.871049	8.393986	8.382463	8.364534	8.383088	8.398872	8.380268	8.377214	8.380042	8.375816	8.363786	8.430847	8.426792	8.422319	8.421467	8.424879	8.42932
MCC	cg0147201	0.072794	7.857892	8.030274	5.33E-07	9.53E-06	6.205141	8.331568	8.328907	8.318618	8.315225	8.314395	8.307031	8.312992	8.310815	8.316615	8.325094	8.369154	8.354468	8.367966	8.370925	8.36598	8.374896
WDR48	cg2413327	0.072797	6.731794	2.674474	0.016633	0.039619	-4.39217	7.623297	7.615372	7.634377	7.606971	7.624338	7.633379	7.619731	7.612973	7.604641	7.58742	7.585262	7.628758	7.691008	7.623432	7.6652	7.665642
CAMK2N1	cg0260722	0.0728	7.402784	2.904442	0.010357	0.026999	-3.67779	7.990575	7.992177	7.990764	8.027134	8.02438	8.038126	7.990809	7.993046	8.021488	8.021409	8.091824	8.078436	8.080125	8.022034	8.018819	8.023094
AKAP12	cg1889148	0.072805	7.468876	2.873977	0.011032	0.028392	-3.74576	8.048074	8.046763	8.095277	8.07697	8.031482	8.10631	8.059797	8.067736	7.99277	8.045466	8.078396	8.061078	8.084884	8.078697	8.11479	8.107502
CTNNBIP1	cg0167915	0.072827	6.70786	3.501955	0.002957	0.009761	-2.72036	7.607564	7.607614	7.587229	7.626741	7.61469	7.576931	7.599047	7.585988	7.576297	7.629189	7.648559	7.618513	7.654205	7.624741	7.631487	7.627014
SPARCL1	cg1352716	0.072828	7.758436	3.888186	0.001309	0.005036	-1.72478	8.235506	8.233905	8.221432	8.273992	8.284437	8.214953	8.250975	8.246835	8.255576	8.243253	8.319903	8.30169	8.313784	8.300826	8.271705	8.286366
TET2	cg0892443	0.072882	7.437763	3.711601	0.0019	0.0068	-2.01695	8.034001	8.009985	8.008463	8.024949	8.051892	8.041414	8.033673	8.007206	8.035118	8.052556	8.09684	8.103191	8.095503	8.058885	8.069325	8.045861
CD4	cg1553315	0.072914	7.933655	5.997151	1.87E-05	0.000163	2.511982	8.39392	8.373909	8.375154	8.355536	8.377026	8.390244	8.385659	8.350391	8.361208	8.376642	8.415504	8.418063	8.418573	8.408624	8.421379	8.439053
PTPRJ	ch.11.1014	0.07294	6.657561	10.84934	8.87E-09	3.89E-07	10.29489	7.570683	7.571788	7.567611	7.57101	7.572741	7.575405	7.573616	7.57168	7.576387	7.575802	7.615823	7.61318	7.610248	7.602977	7.612662	7.607347
PCDHGC3	cg0549446	0.072994	7.99761	7.759002	8.31E-07	1.34E-05	5.692849	8.432747	8.420099	8.426225	8.418022	8.438334	8.448891	8.413648	8.411078	8.410963	8.408771	8.459136	8.471074	8.471172	8.451194	8.459747	8.468905
VIM	cg2382132	0.073087	7.000795	2.853076	0.01152	0.029403	-3.8322	7.789015	7.778689	7.726054	7.792396	7.742968	7.735068	7.784143	7.746913	7.775709	7.744418	7.806709	7.797317	7.788387	7.839166	7.777858	7.811443
TANK	cg2387165	0.07318	7.134823	4.155285	0.000747	0.003188	-1.07409	7.8608	7.848567	7.846313	7.833441	7.84711	7.826025	7.861544	7.835516	7.832577	7.82786	7.864696	7.84737	7.886005	7.897563	7.901215	7.894118
WWOX	cg1552138	0.073307	7.176698	4.405436	0.000444	0.002106	-0.54605	7.870841	7.876629	7.852523	7.866007	7.877739	7.847381	7.847189	7.854569	7.884105	7.882104	7.932588	7.907215	7.920336	7.906476	7.88655	7.907157
ILK	cg1321360	0.073328	6.748461	2.933647	0.009748	0.025713	-3.85203	7.612194	7.603083	7.601098	7.629964	7.620146	7.626339	7.649672	7.599777	7.622052	7.627659	7.661441	7.680527	7.675619	7.62798	7.704817	7.624127
SRGAP3	cg1920968	0.073331	7.800501	6.168457	1.36E-05	0.000125	2.898499	8.264686	8.258809	8.269975	8.255334	8.282924	8.284902	8.275138	8.282494	8.287003	8.279088	8.353072	8.331545	8.327846	8.335152	8.309159	8.33314
PTPN1	cg1779297	0.073407	7.809126	7.199903	2.13E-06	2.81E-05	4.798726	8.27888	8.283783	8.295394	8.289649	8.277884	8.289224	8.273808	8.288604	8.293809	8.267087	8.334383	8.327859	8.331873	8.326056	8.348704	8.320477
CTGF	cg2656546	0.073458	6.761436	2.918835	0.010052	0.026341	-3.8757	7.652197	7.609924	7.624177	7.61648	7.648123	7.621343	7.601902	7.619828	7.671524	7.619075	7.6494	7.687469	7.694575	7.656396	7.64024	7.665684
SH3GLB1	cg0979943	0.073475	6.994101	5.200777	8.79E-05	0.000568	1.025195	7.780781	7.763602	7.778508	7.747674	7.779993	7.775634	7.741612	7.738821	7.757893	7.762371	7.789767	7.796889	7.795554	7.804872	7.787323	7.770284
ADAMTS9	cg1218721	0.073488	6.660936	4.843474	0.00018	0.001019	0.063471	7.560192	7.582257	7.566403	7.556126	7.596701	7.566568	7.57507	7.562589	7.588409	7.582676	7.621619	7.624645	7.616318	7.605946	7.602361	7.610317
SGMS1	cg1307385	0.073529	7.399118	4.953712	0.000144	0.000845	0.58044	7.978341	7.994272	8.024377	7.993837	8.001219	8.005765	8.002067	8.0083	8.004932	8.021118	8.066202	8.055341	8.059207	8.024064	8.067403	8.059115
CD4	cg1688978	0.073531	7.82112	2.842503	0.011775	0.029885	-3.91398	8.301487	8.315589	8.327745	8.270408	8.276228	8.271573	8.292648	8.316968	8.252915	8.295855	8.339612	8.307741	8.285311	8.359159	8.372226	8.380032
HOPX	cg2477044	0.07356	7.896923	4.353528	0.000494	0.002285	-0.81259	8.341897	8.334521	8.3386	8.351019	8.346224	8.284146	8.3452	8.341414	8.385016	8.339641	8.41242	8.393315	8.412465	8.39003	8.405293	8.414885
CREM	cg0787075	0.073617	6.680522	6.264414	1.14E-05	0.000108	2.907591	7.590423	7.582832	7.592537	7.577708	7.609473	7.603566	7.590131	7.583896	7.570415	7.578209	7.616591	7.627895	7.607642	7.61818	7.616122	7.616578
LAT2	cg0337500	0.073618	7.181406	3.120089	0.006606	0.018731	-3.23114	7.85422	7.873936	7.858573	7.857242	7.909671	7.908898	7.861092	7.849526	7.880079	7.866727	7.915791	7.944618	7.925068	7.898777	7.876899	7.884856
ZMYND11	cg1469482	0.073645	6.716516	5.208548	8.66E-05	0.000561	0.856993	7.608869	7.592896	7.595916	7.611247	7.609345	7.605573	7.60894	7.595011	7.616497	7.596564	7.655061	7.664122	7.624836	7.62563	7.64099	7.63797
LEFTY1	cg2555276	0.073654	7.903923	3.997315	0.001041	0.004165	-1.56246	8.320289	8.362891	8.390604	8.308942	8.347998	8.360458	8.334064	8.36234	8.36372	8.345144	8.395579	8.397857	8.394999	8.388989	8.420749	8.421791
TCF4	cg0213898	0.073669	7.823894	3.655029	0.00214	0.007512	-2.24384	8.288589	8.274531	8.267978	8.291405	8.29881	8.310979	8.279321	8.271472	8.307209	8.324873	8.366166	8.373129	8.373056	8.338652	8.31738	8.313402
PPM1L	cg1141110	0.073702	7.162592	2.874569	0.011019	0.02837	-3.72886	7.861961	7.891881	7.867005	7.823753	7.871354	7.871092	7.839783	7.827174	7.880275	7.867345	7.932167	7.848881	7.921632	7.887681	7.89832	7.891676
FLNA	cg0369131	0.07374	6.912704	3.375684	0.003859	0.01211	-2.82584	7.680719	7.727502	7.736063	7.689045	7.706614	7.713393	7.730208	7.681909	7.717006	7.72329	7.766091	7.743892	7.745537	7.770349	7.725045	7.766897
FAS	cg2316949	0.073749	7.953153	4.636827	0.000275	0.001427	-0.23877	8.416796	8.419562	8.389274	8.417258	8.371044	8.40097	8.377151	8.386343	8.35946	8.380462	8.419077	8.404027	8.433703	8.410724	8.452877	8.449679
CST6	cg0727085	0.073778	7.424451	5.956564	2.02E-05	0.000172	2.580175	8.015995	8.019009	8.033666	8.047235	8.041775	8.04064	8.023141	8.023565	8.008381	8.005542	8.066708	8.070426	8.068846	8.053916	8.04566	8.063669
IGFBP4	cg1013186	0.073824	6.815679	4.656058	0.000265	0.001385	-0.21281	7.668078	7.654572	7.651593	7.681861	7.676398	7.671506	7.647274	7.673033	7.638903	7.647635	7.679457	7.693413	7.708196	7.707544	7.679354	7.672923
CADM1	cg2612499	0.07389	7.038916	3.059596	0.007497	0.020753	-3.392	7.767061	7.757407	7.76919	7.796887	7.798795	7.80504	7.759593	7.791197	7.792357	7.796561	7.86557	7.836358	7.853334	7.79866	7.80569	7.800491
DNAJB1	cg0108358	0.073893	7.437759	6.358085	9.56E-06	9.33E-05	3.344806	8.04806	8.035235	8.035571	8.026332	8.033422	8.055052	8.028382	8.022623	8.042331	8.008302	8.074018	8.063276	8.076925	8.068808	8.072066	8.077044
HIVEP3	cg1729384	0.073934	7.509181	5.367245	6.32E-05	0.000432	1.406413	8.059087	8.086014	8.068686	8.098468	8.077116	8.095132	8.079607	8.073298	8.081817	8.066256	8.137507	8.122253	8.129822	8.1014	8.112847	8.133438
DCUN1D3	cg0726421	0.073938	7.494931	5.593694	4.06E-05	0.000298	1.860437	8.068343	8.080183	8.084465	8.059601	8.083975	8.065631	8.069008	8.061278	8.059891	8.067467	8.139089	8.093078	8.095824	8.122806	8.108191	8.112092
DNAJB1	cg2063020	0.073948	6.713912	4.05768	0.000917	0.003756	-1.53488	7.592664	7.578624	7.602545	7.620004	7.578985	7.584218	7.597477	7.607884	7.614948	7.614408	7.633764	7.663983	7.657784	7.667095	7.630108	7.624318
AKR1B1	cg0466356	0.073962	7.479078	4.0624	0.000908	0.003729	-1.28508	8.057194	8.051829	8.046222	8.087611	8.042242	8.056327	8.043992	8.084431	8.03166	8.071376	8.103278	8.08557	8.128981	8.123445	8.103271	8.086245
RARB	cg1075432	0.07398	7.919123	7.930225	6.27E-07	1.09E-05	6.012387	8.352884	8.366576	8.345936	8.37006	8.368786	8.358906	8.356586	8.363595	8.355965	8.369576	8.416072	8.423823	8.420499	8.401496	8.410064	8.411187
DKK3	cg1266815	0.074115	7.495685	4.86356	0.000173	0.000985	0.383772	8.084411	8.060433	8.082766	8.075705	8.049586	8.074565	8.052775	8.070376	8.081516	8.061856	8.144932	8.098061	8.095418	8.107158	8.117659	8.122041
AKAP12	cg2165824	0.074154	7.878306	3.874109	0.001348	0.00515	-1.80671	8.346709	8.310909	8.303754	8.369469	8.371784	8.319619	8.319898	8.336396	8.331483	8.326363	8.395838	8.394022	8.400566	8.355429	8.372713	8.365226
RHOB	cg0460912	0.07419	6.67387	3.71941	0.001868	0.006708	-2.29853	7.618428	7.571516	7.583878	7.58973	7.608308	7.58562	7.551709	7.59229	7.579956	7.575749	7.588481	7.63451	7.62213	7.593756	7.618494	7.612197
TIMP3	cg1757120	0.074271	7.210253	3.179601	0.005831	0.016931	-3.10815	7.890307	7.902758	7.864552	7.893219	7.920658	7.891748	7.859205	7.867636	7.907821	7.894473	7.963998	7.954304	7.924752	7.897284	7.900586	7.917103
SFRP5	cg0669205	0.074323	7.889613	8.522489	2.44E-07	5.12E-06	6.997336	8.348533	8.347055	8.348393	8.350342	8.353349	8.33773	8.336084	8.328719	8.328686	8.346816	8.386561	8.401002	8.378617	8.384684	8.382152	8.391023
PRICKLE1	cg1693170	0.074335	7.958053	6.847988	3.95E-06	4.64E-05	4.102075	8.397537	8.40839	8.39699	8.391156	8.387165	8.39216	8.37179	8.39333	8.39729	8.379255	8.437234	8.440674	8.42802	8.464579	8.429951	8.430154
RARB	cg1090985	0.074341	7.393443	6.900866	3.60E-06	4.31E-05	4.349531	8.02425	8.005764	7.998055	8.014202	7.993431	7.99859	7.995495	7.99533	7.999929	8.006354	8.036325	8.05346	8.047941	8.048784	8.040591	8.04716
THRB	cg0509894	0.07454	7.896192	3.225009	0.0053	0.015721	-3.17874	8.331382	8.320031	8.324041	8.373685	8.284325	8.378474	8.36178	8.328446	8.367561	8.34225	8.424252	8.3988	8.424923	8.372884	8.417861	8.377343
PLA2R1	cg2025755	0.074547	7.648457	4.233329	0.000635	0.002791	-0.96215	8.190376	8.204356	8.182479	8.18592	8.16229	8.171112	8.16989	8.173818	8.161237	8.14953	8.172664	8.190411	8.229709	8.221814	8.235863	8.229272
RASAL2	cg1719922	0.074638	6.999516	3.021206	0.008123	0.022102	-3.49724	7.746065	7.766664	7.747612	7.79	7.76172	7.770892	7.740582	7.755521	7.77015	7.770109	7.832789	7.808111	7.815453	7.772395	7.828529	7.74741
PTPRC	cg0509999	0.074664	7.813129	6.544694	6.80E-06	7.09E-05	3.605454	8.283632	8.287007	8.269484	8.308858	8.292041	8.271209	8.287048	8.28667	8.297143	8.269461	8.339602	8.344626	8.338128	8.326026	8.336571	8.335814
ZFHX3	cg0380823	0.074669	7.790643	5.226375	8.35E-05	0.000546	1.050811	8.290209	8.287787	8.28447	8.307193	8.244774	8.298606	8.241334	8.262993	8.266067	8.26833	8.311433	8.312183	8.319266	8.307823	8.315409	8.299739
MAPK10	cg0978878	0.074712	7.877739	5.006837	0.00013	0.000776	0.563088	8.354782	8.33454	8.349757	8.375579	8.326273	8.326914	8.320881	8.309083	8.312691	8.349771	8.370571	8.391286	8.37573	8.377542	8.356001	8.381584
KL	cg0511690	0.074763	7.253362	3.18181	0.005804	0.01687	-3.10373	7.931305	7.912123	7.928344	7.947945	7.947156	7.937938	7.895191	7.879982	7.908235	7.918716	7.943657	7.972539	7.973662	7.948111	7.883164	7.951188
DDX3X	cg2161682	0.074853	6.721554	4.854338	0.000176	0.001001	0.136561	7.60128	7.595714	7.584354	7.606232	7.623317	7.601783	7.605478	7.603679	7.607806	7.620168	7.663069	7.666202	7.646513	7.641676	7.642554	7.623485
SPTBN1	cg1279401	0.074897	7.905782	3.885042	0.001318	0.00506	-1.79583	8.375395	8.368839	8.333428	8.365986	8.325017	8.406853	8.326713	8.374811	8.331541	8.34499	8.395479	8.384478	8.410778	8.404957	8.379962	8.408286
RPS6KA2	cg0132755	0.07495	7.736627	4.244264	0.00062	0.002739	-0.96457	8.264833	8.253802	8.250786	8.212156	8.239067	8.2366	8.206372	8.249714	8.212266	8.230315	8.268746	8.246343	8.262535	8.279032	8.292216	8.304676
THBS1	cg2549954	0.075059	7.019587	2.747614	0.014318	0.03502	-4.03004	7.77979	7.742402	7.733663	7.793462	7.787269	7.808099	7.765539	7.767271	7.777949	7.775085	7.835483	7.85358	7.831449	7.793176	7.792252	7.776047
PTPN1	cg1679920	0.075071	7.876122	9.121611	9.83E-08	2.55E-06	7.938621	8.336305	8.34993	8.329493	8.338716	8.330963	8.333389	8.332083	8.316022	8.327568	8.328103	8.377318	8.374588	8.382499	8.385731	8.375615	8.375827
VSNL1	cg1537857	0.075081	7.724085	3.596049	0.002424	0.008308	-2.32995	8.202443	8.19892	8.225572	8.226907	8.170446	8.225432	8.238431	8.218575	8.251312	8.217431	8.298634	8.265177	8.287284	8.329275	8.25337	8.261981
BMPR1A	cg2551718	0.075204	7.852353	4.268726	0.00059	0.00263	-0.96011	8.316835	8.332224	8.341853	8.340332	8.297704	8.331014	8.338588	8.295816	8.300651	8.283672	8.331284	8.351283	8.354804	8.385837	8.341774	8.377663
PRICKLE1	cg2037515	0.075357	7.865131	3.519058	0.002852	0.009491	-2.54725	8.289246	8.319067	8.305512	8.371205	8.338541	8.322449	8.321072	8.312085	8.306699	8.342403	8.395974	8.397603	8.390937	8.339032	8.371756	8.345351
TBX5	cg0387737	0.075509	7.291302	4.974794	0.000138	0.000818	0.631978	7.924419	7.928805	7.947297	7.924478	7.954078	7.922966	7.940949	7.942325	7.917007	7.952901	7.966382	7.973275	8.006207	7.993303	7.989415	7.976967
VIM	cg1887617	0.075559	6.89544	4.34115	0.000507	0.002321	-0.81372	7.723827	7.702252	7.701576	7.701398	7.701394	7.712062	7.705147	7.726173	7.677759	7.68289	7.715126	7.726392	7.72999	7.75464	7.754748	7.750289
MTSS1	cg0633242	0.07556	7.615246	5.449899	5.37E-05	0.000376	1.548086	8.148617	8.133166	8.150237	8.134419	8.158402	8.142122	8.145775	8.146201	8.141227	8.166769	8.19966	8.181543	8.229783	8.208571	8.199695	8.181236
NR2C2	cg1135441	0.075563	7.891681	4.953826	0.000144	0.000845	0.444973	8.339418	8.327131	8.367107	8.331526	8.362251	8.353527	8.353779	8.346689	8.314166	8.334927	8.373115	8.401004	8.380317	8.387837	8.42146	8.379895
STAT5A	cg1141517	0.075567	7.536524	3.955262	0.001137	0.004472	-1.51996	8.086663	8.097009	8.098454	8.085776	8.12011	8.114267	8.07853	8.082829	8.090393	8.115756	8.158982	8.150203	8.155146	8.118292	8.099343	8.163834
FBXL13	cg0780800	0.07571	7.85661	7.275836	1.87E-06	2.52E-05	4.915135	8.331745	8.333897	8.328857	8.314509	8.335583	8.301632	8.307438	8.30752	8.320178	8.307406	8.361793	8.357849	8.357064	8.368617	8.360314	8.375421
HIPK2	cg2661310	0.075714	7.878506	7.546928	1.18E-06	1.76E-05	5.377426	8.322858	8.344266	8.329201	8.334533	8.335114	8.334287	8.335304	8.339881	8.33688	8.308963	8.375652	8.383392	8.381566	8.374727	8.391486	8.393849
RB1CC1	cg1235545	0.075734	7.965106	4.780294	0.000205	0.001126	0.052055	8.412106	8.443395	8.40278	8.41079	8.379029	8.390217	8.37619	8.387019	8.379121	8.403911	8.418212	8.444311	8.431234	8.461903	8.430487	8.457759
FOXP1	cg1878754	0.075814	7.797738	2.961825	0.009193	0.024486	-3.66511	8.256091	8.227006	8.261455	8.310812	8.254102	8.307702	8.287607	8.266662	8.284928	8.267809	8.330021	8.36642	8.351028	8.277054	8.301956	8.34962
FBXO25	cg1055177	0.075821	7.441848	4.032137	0.000967	0.003929	-1.34354	8.013664	8.030024	8.015861	8.046081	8.037694	8.049163	8.040175	8.04788	8.046329	7.997939	8.089362	8.078201	8.092269	8.064185	8.109896	8.052849
IQGAP2	cg2373243	0.075866	7.239121	3.209399	0.005477	0.016129	-3.04708	7.880556	7.902916	7.873919	7.918362	7.928641	7.923817	7.898321	7.894287	7.906679	7.915055	7.979712	7.973855	7.970162	7.910043	7.92045	7.940935
CDKN1C	cg0509069	0.075874	7.704975	6.788861	4.39E-06	5.03E-05	4.091711	8.217962	8.213659	8.20815	8.212144	8.209347	8.237927	8.203685	8.205071	8.210543	8.200285	8.261421	8.26793	8.253116	8.239054	8.269185	8.246235
TCF7L2	cg0437382	0.075974	7.716839	5.686402	3.39E-05	0.000259	1.992592	8.238055	8.222888	8.227424	8.207507	8.215548	8.22256	8.204907	8.231758	8.208634	8.212804	8.270122	8.247313	8.250699	8.29253	8.278667	8.256717
UIMC1	cg2677977	0.076011	7.804958	6.061721	1.66E-05	0.000147	2.696416	8.284507	8.28064	8.295749	8.277729	8.30633	8.287671	8.262875	8.273653	8.262425	8.29404	8.329389	8.346227	8.315728	8.316257	8.335358	8.311508
EBF3	cg0752542	0.076051	7.826863	5.066649	0.000115	0.000707	0.704378	8.29543	8.278164	8.296531	8.307777	8.269793	8.300334	8.31973	8.293108	8.298331	8.274753	8.336489	8.343322	8.353366	8.345355	8.3358	8.382048
PAX6	cg2273813	0.07606	7.874951	6.875436	3.76E-06	4.44E-05	4.183897	8.315712	8.319182	8.328971	8.30926	8.303166	8.31811	8.324382	8.320995	8.343846	8.357442	8.397996	8.390878	8.39375	8.39008	8.37449	8.393901
DAPK2	cg0053586	0.076085	7.803655	6.046149	1.71E-05	0.000151	2.662292	8.284774	8.259959	8.248948	8.268712	8.293041	8.271581	8.301164	8.272643	8.265244	8.290209	8.341782	8.335741	8.336669	8.334089	8.326834	8.334855
NTRK3	cg0015890	0.076087	7.113681	3.579232	0.002512	0.008563	-2.28749	7.851607	7.817376	7.833435	7.848303	7.837294	7.807382	7.800499	7.815674	7.843312	7.839709	7.887981	7.852367	7.89682	7.833975	7.865756	7.87531
RAB7A	cg2729713	0.076111	7.541344	3.995499	0.001045	0.004175	-1.43581	8.096556	8.099993	8.070445	8.119748	8.11854	8.131164	8.091179	8.096494	8.082754	8.103084	8.154007	8.160531	8.157615	8.128041	8.154872	8.10216
SPARC	cg0657175	0.076209	7.752743	5.349319	6.55E-05	0.000444	1.308516	8.240444	8.244485	8.244394	8.221384	8.247237	8.252321	8.21692	8.246713	8.260781	8.246666	8.299083	8.306017	8.296922	8.273816	8.315623	8.27784
EPHB6	cg1914478	0.076239	6.801053	5.341413	6.65E-05	0.00045	1.18643	7.632589	7.648217	7.664002	7.652562	7.657547	7.67261	7.645097	7.653207	7.649145	7.635537	7.686218	7.674518	7.707772	7.689985	7.671873	7.682071
PLK2	cg0372649	0.07626	7.718961	3.884209	0.00132	0.005065	-1.71905	8.200591	8.222857	8.224233	8.209833	8.23776	8.224554	8.195931	8.255631	8.175045	8.246661	8.274884	8.252386	8.277491	8.271437	8.255489	8.287865
CDH13	cg2244383	0.076329	6.819576	3.651182	0.002158	0.007565	-2.31657	7.641507	7.637859	7.671597	7.662702	7.66522	7.674619	7.656798	7.635307	7.666136	7.679284	7.722203	7.713495	7.715621	7.664134	7.691142	7.690018
NR0B2	cg1851533	0.076363	7.787446	5.124594	0.000102	0.000647	0.83901	8.251981	8.257474	8.277428	8.266657	8.261834	8.240158	8.248878	8.282921	8.278862	8.273672	8.325416	8.310255	8.337067	8.305518	8.355108	8.309417
CADM1	cg2470925	0.076364	7.471633	5.234272	8.22E-05	0.000538	1.142805	8.053734	8.060126	8.019587	8.034646	8.060864	8.033312	8.040772	8.059439	8.048941	8.078837	8.107759	8.109644	8.111772	8.09361	8.11457	8.097809
PTPRJ	cg2619791	0.076426	6.661015	7.820274	7.51E-07	1.25E-05	5.702654	7.578632	7.567017	7.572322	7.578812	7.583006	7.580091	7.572735	7.5714	7.569176	7.579131	7.614627	7.607928	7.624373	7.605834	7.596891	7.616005
SFRP1	cg0588234	0.076427	7.542379	4.803342	0.000196	0.001084	0.249981	8.095836	8.067608	8.102584	8.116355	8.08317	8.100027	8.098593	8.085238	8.106323	8.1156	8.165067	8.145562	8.178146	8.144192	8.130432	8.14404
HIVEP3	cg0886770	0.076429	7.685309	7.361288	1.62E-06	2.26E-05	5.118686	8.193442	8.195222	8.193335	8.208731	8.194821	8.199515	8.201315	8.209263	8.178567	8.188368	8.236727	8.234425	8.25307	8.247721	8.256983	8.246005
PDS5B	cg2071323	0.076548	6.652483	3.690662	0.001985	0.00706	-2.37696	7.581773	7.575292	7.561011	7.624607	7.580218	7.55598	7.565663	7.558372	7.570827	7.561888	7.609297	7.605248	7.617354	7.580883	7.615131	7.583447

ALPL	cg2250653	0.076594	7.882877	3.706826	0.001919	0.006858	-2.1645	8.342079	8.308834	8.306653	8.317506	8.32905	8.37648	8.323789	8.330876	8.376913	8.316254	8.408322	8.407204	8.408048	8.382676	8.361341	8.377678
PTPRK	cg2711818	0.076647	7.444991	3.259411	0.00493	0.014835	-2.96044	8.029834	8.017985	8.036923	8.09962	8.000435	8.006586	8.038624	8.05061	8.032821	8.02265	8.052538	8.100392	8.090172	8.091032	8.081532	8.093615
GPX3	cg2663844	0.076679	6.897316	3.939197	0.001176	0.004591	-1.66469	7.733548	7.718452	7.698858	7.747058	7.728961	7.689948	7.689945	7.69233	7.692545	7.692792	7.733091	7.711055	7.767006	7.729676	7.717812	7.739627
PPP2R5C	cg1084602	0.07681	7.77536	6.967905	3.20E-06	3.91E-05	4.39429	8.25188	8.252849	8.263082	8.241044	8.251925	8.258507	8.277853	8.239659	8.260007	8.266177	8.30377	8.321083	8.313665	8.32734	8.310867	8.30584
DUSP1	cg1288477	0.076873	6.670496	6.230687	1.21E-05	0.000114	2.841391	7.583131	7.568064	7.573771	7.584536	7.575161	7.580835	7.571573	7.572609	7.595843	7.581308	7.624298	7.627923	7.628006	7.619076	7.615588	7.596717
DAPK2	cg0917727	0.076885	6.677475	4.608984	0.000291	0.001494	-0.41109	7.560303	7.592643	7.581044	7.593343	7.584927	7.570739	7.582114	7.59316	7.591788	7.570639	7.621463	7.63327	7.615634	7.652465	7.613102	7.601237
ZFHX3	cg1473390	0.076944	7.471711	4.993055	0.000133	0.000793	0.653058	8.03776	8.050976	8.058319	8.078041	8.041181	8.054971	8.063895	8.037913	8.052148	8.049692	8.112807	8.089407	8.10776	8.111298	8.112684	8.066635
ARMC5	cg2215309	0.076951	7.861564	6.369054	9.37E-06	9.20E-05	3.255663	8.311169	8.329155	8.321041	8.300238	8.338409	8.324601	8.318285	8.307111	8.31723	8.329005	8.378804	8.369577	8.378674	8.371422	8.347866	8.384592
MAL	cg1056264	0.077038	7.514909	4.183776	0.000704	0.003035	-1.03547	8.067706	8.086623	8.076948	8.110799	8.082094	8.078159	8.079045	8.066261	8.065462	8.102536	8.152043	8.130938	8.128548	8.089645	8.153133	8.114446
HSPB7	cg1304859	0.077157	7.77471	4.1858	0.000701	0.003023	-1.10087	8.288389	8.288238	8.239472	8.282931	8.238572	8.271136	8.247517	8.241372	8.291248	8.224752	8.322185	8.294676	8.297957	8.30492	8.303627	8.301031
EPB41L3	cg0727108	0.077211	6.934358	5.031018	0.000123	0.000747	0.645064	7.7269	7.723489	7.722884	7.741587	7.704782	7.743347	7.722097	7.730399	7.709377	7.719926	7.75311	7.755066	7.774006	7.780898	7.739561	7.77269
MRVI1	cg2436586	0.07743	7.535006	6.013662	1.82E-05	0.000159	2.674887	8.104003	8.108221	8.103148	8.077098	8.091831	8.110108	8.099667	8.090791	8.075013	8.095681	8.130591	8.133513	8.124062	8.159042	8.146889	8.149078
KL	cg2358408	0.077604	7.46995	3.164669	0.006016	0.017378	-3.15906	8.029403	8.042194	8.049092	8.061817	8.068351	8.030264	8.060014	8.070796	7.991384	8.090022	8.063912	8.112146	8.120526	8.101384	8.12047	8.096655
PLCD1	cg0055651	0.077667	6.873603	3.804041	0.001563	0.005798	-1.95981	7.683524	7.672367	7.693479	7.713616	7.685971	7.719151	7.686644	7.6738	7.697147	7.683137	7.747868	7.730632	7.746174	7.7307	7.684683	7.720257
PKD1	cg0744551	0.077684	7.888118	8.926994	1.32E-07	3.22E-06	7.634779	8.344489	8.334956	8.350805	8.348682	8.329032	8.357352	8.327907	8.339432	8.330213	8.338138	8.391118	8.391392	8.386617	8.390176	8.389898	8.382447
TOM1L2	cg0357160	0.077717	6.98942	2.750358	0.014238	0.034843	-4.05905	7.74967	7.777633	7.773494	7.772783	7.808194	7.790798	7.769372	7.745713	7.728058	7.716776	7.720375	7.819333	7.810009	7.76639	7.783078	7.798529
FOXP1	cg2248800	0.077804	6.811978	3.229502	0.00525	0.015614	-3.20323	7.670455	7.640708	7.633123	7.667615	7.663077	7.663809	7.657589	7.617153	7.667808	7.672613	7.700238	7.704894	7.737141	7.674493	7.673735	7.676441
TNFAIP8L2	cg0190337	0.077816	7.895924	8.745343	1.73E-07	3.94E-06	7.345026	8.342097	8.330912	8.345276	8.345508	8.328702	8.332886	8.34814	8.351818	8.346888	8.340442	8.397898	8.401054	8.395682	8.419984	8.394214	8.402075
SALL2	cg2398606	0.077832	7.177423	5.364258	6.36E-05	0.000434	1.422295	7.874798	7.863452	7.859703	7.899436	7.871856	7.890757	7.863794	7.860055	7.847489	7.865206	7.921583	7.903095	7.91863	7.896313	7.900327	7.889288
HACE1	cg0466190	0.077837	6.697071	6.334431	9.99E-06	9.71E-05	3.060602	7.59965	7.58657	7.582868	7.591778	7.574763	7.609876	7.594233	7.60248	7.588533	7.592034	7.626918	7.623702	7.645339	7.629577	7.632001	7.643365
PTEN	cg0657356	0.077841	7.937049	4.302844	0.000549	0.002483	-0.9315	8.387613	8.377438	8.407794	8.389098	8.415446	8.330544	8.379748	8.351828	8.373221	8.359629	8.418464	8.418213	8.411216	8.42886	8.40865	8.443113
FABP3	cg2453957	0.077844	7.535954	7.663048	9.74E-07	1.51E-05	5.670394	8.094644	8.080578	8.103122	8.109384	8.085238	8.100808	8.088062	8.091836	8.097414	8.095365	8.143207	8.148146	8.153489	8.139983	8.140212	8.137501
CXCR2	cg2001055	0.07785	7.028545	6.445992	8.14E-06	8.18E-05	3.482082	7.785127	7.778464	7.774832	7.788327	7.779791	7.783259	7.770248	7.765061	7.780121	7.781424	7.832857	7.815943	7.822918	7.81523	7.828384	7.792652
CUX1	cg0821226	0.077855	7.504012	3.622593	0.002292	0.007926	-2.21497	8.057531	8.064952	8.057889	8.081475	8.0614	8.045552	8.041996	8.066447	8.1033	8.108043	8.147151	8.150063	8.152446	8.124147	8.087699	8.119874
RARB	cg2330243	0.077899	7.851817	6.791187	4.37E-06	5.02E-05	4.042997	8.31672	8.301837	8.307535	8.295764	8.302328	8.323303	8.30665	8.30308	8.335183	8.31155	8.386592	8.373018	8.360991	8.366491	8.369475	8.355135
RARB	cg2351854	0.077917	7.290481	5.656674	3.59E-05	0.000271	2.003569	7.932201	7.927948	7.939225	7.931933	7.923748	7.942257	7.93913	7.937153	7.946702	7.925033	7.997253	7.967651	7.982778	7.969759	7.976113	8.013568
PPP2R5C	cg1246107	0.078002	7.80427	7.81786	7.54E-07	1.25E-05	5.869117	8.277635	8.274587	8.269965	8.27041	8.271985	8.29738	8.284698	8.273121	8.287723	8.269139	8.33128	8.346573	8.328105	8.327457	8.334547	8.328121
PLAGL1	cg2553541	0.07806	7.635138	3.712365	0.001896	0.006791	-2.05797	8.190314	8.148487	8.168955	8.145092	8.119974	8.148629	8.138643	8.16479	8.180096	8.177332	8.181942	8.227149	8.225724	8.190608	8.236282	8.242184
CTNND1	cg1506870	0.078116	7.286364	3.187667	0.005733	0.016694	-3.09358	7.934057	7.925635	7.902048	7.967485	7.910083	7.9395	7.908709	7.925494	7.960303	7.944617	8.007099	8.018571	7.98761	7.966989	7.973209	7.940837
HIVEP3	cg1341710	0.078119	7.34181	5.17128	9.32E-05	0.000598	1.029293	7.966125	7.962724	7.968111	7.959072	7.9971	7.945401	7.974287	7.947886	7.977851	7.974574	8.018495	8.031774	8.015528	8.022228	8.014856	7.998584
LIMA1	cg1611438	0.078123	7.775251	4.718763	0.000233	0.001248	0.012411	8.26049	8.270472	8.252164	8.231098	8.29902	8.272593	8.250674	8.26491	8.248767	8.25005	8.310217	8.332659	8.281956	8.298376	8.301519	8.31917
ZBTB4	cg0756595	0.078125	7.630034	4.420771	0.00043	0.00205	-0.56748	8.147662	8.148688	8.175476	8.154346	8.142058	8.142821	8.140816	8.199053	8.131699	8.171184	8.218619	8.184169	8.206796	8.227884	8.21409	8.224356
RARB	cg0740517	0.078226	6.676515	6.54859	6.75E-06	7.07E-05	3.450086	7.570692	7.569098	7.574772	7.574654	7.590839	7.581287	7.580131	7.583927	7.589728	7.587597	7.632452	7.623726	7.640114	7.631019	7.615306	7.604414
TGFBR3	cg0366974	0.078232	7.911849	3.969597	0.001103	0.004369	-1.6186	8.375626	8.372037	8.367954	8.334421	8.3673	8.416135	8.324771	8.352642	8.335638	8.364051	8.391992	8.405128	8.414892	8.380312	8.433123	8.371834
ZBTB7C	cg1929590	0.078361	6.749457	3.95527	0.001137	0.004472	-1.72674	7.618414	7.60767	7.598916	7.621897	7.630575	7.624698	7.618693	7.629627	7.623815	7.619875	7.700125	7.665422	7.649439	7.661594	7.623128	7.680509
ARHGAP29	cg2404905	0.078362	6.691801	3.700508	0.001944	0.006937	-2.31989	7.579053	7.577718	7.596096	7.633219	7.599938	7.601398	7.58714	7.574033	7.575798	7.60558	7.640458	7.643227	7.641647	7.607847	7.617111	7.598867
CTDSPL	cg1237872	0.078387	7.850529	6.864241	3.84E-06	4.52E-05	4.17991	8.320127	8.310338	8.308631	8.312605	8.319344	8.337395	8.329607	8.300974	8.299072	8.295703	8.357358	8.359235	8.365193	8.377148	8.349198	8.35835
TCF4	cg0250719	0.078592	7.751776	4.211069	0.000665	0.0029	-1.04047	8.217687	8.223281	8.249815	8.285743	8.241441	8.270111	8.235483	8.246442	8.216717	8.249042	8.306199	8.307817	8.30095	8.265105	8.27626	8.287794
PPM1L	cg0204303	0.078645	6.884817	3.506384	0.002929	0.009682	-2.57261	7.673209	7.701459	7.679281	7.698409	7.69112	7.712785	7.675015	7.682146	7.719633	7.707604	7.750795	7.754316	7.770896	7.728204	7.70009	7.726254
PHC3	cg2608673	0.078748	7.683347	4.383815	0.000464	0.002175	-0.65644	8.207563	8.218052	8.245123	8.183269	8.189835	8.187408	8.175256	8.173298	8.1935	8.204819	8.233124	8.229582	8.231364	8.231736	8.236773	8.275354
IGF1	cg2592469	0.078761	6.902961	4.11065	0.00082	0.00344	-1.29462	7.714318	7.694852	7.712449	7.7114	7.732151	7.713508	7.667706	7.707878	7.713441	7.711322	7.755159	7.769999	7.747032	7.730817	7.717692	7.734443
TWIST2	cg1351888	0.078764	7.909399	9.2917	7.65E-08	2.08E-06	8.184015	8.346081	8.351517	8.365208	8.373392	8.357921	8.352128	8.346465	8.354916	8.34621	8.351753	8.4114	8.40795	8.406425	8.405296	8.400727	8.401633
SEMA3F	cg1993815	0.078847	7.449453	4.315104	0.000535	0.00243	-0.74975	8.034974	8.038381	8.048511	8.047793	8.019956	8.061993	8.016263	8.060676	8.037459	8.021145	8.078514	8.09691	8.066359	8.054869	8.092145	8.115185
EPB41L3	cg0167308	0.07889	6.902298	5.770521	2.88E-05	0.000229	2.109527	7.697693	7.703115	7.705513	7.737945	7.695075	7.714901	7.707552	7.698599	7.705687	7.695375	7.745275	7.76208	7.741422	7.738135	7.740966	7.738402
RASSF5	cg1655451	0.078903	7.096629	5.064901	0.000115	0.000708	0.803113	7.819637	7.836177	7.859317	7.8481	7.823684	7.818878	7.796354	7.800533	7.810208	7.818853	7.854341	7.847883	7.856161	7.847092	7.873783	7.830729
PTPRD	cg1713272	0.078979	6.69815	6.357891	9.57E-06	9.33E-05	3.104822	7.593166	7.58602	7.599773	7.600233	7.59222	7.585806	7.591864	7.579696	7.603176	7.600056	7.632148	7.657234	7.626691	7.63207	7.620659	7.632001
TNFAIP3	cg1068366	0.07898	7.396372	4.395403	0.000453	0.00214	-0.57582	8.017284	8.018443	8.010666	7.997208	7.977375	8.006079	8.007458	7.989295	7.982546	8.025824	8.018582	8.045809	8.054679	8.047493	8.057701	8.080542
FBXL13	cg0661565	0.07905	6.924865	3.849226	0.001421	0.005354	-1.82199	7.705799	7.695626	7.713707	7.696068	7.712023	7.731056	7.697426	7.721364	7.751725	7.718286	7.79192	7.75141	7.789767	7.751447	7.740583	7.767081
DACH1	cg1166431	0.079103	6.720471	2.759719	0.013966	0.034321	-4.24128	7.657365	7.628126	7.641745	7.596365	7.634392	7.596083	7.575439	7.632239	7.583969	7.581008	7.609034	7.604748	7.613701	7.677217	7.645521	7.647896
OSCP1	cg2368623	0.079123	7.878244	7.725738	8.78E-07	1.39E-05	5.685294	8.336744	8.341271	8.32948	8.32731	8.328691	8.351229	8.34469	8.318123	8.334179	8.311236	8.380855	8.380157	8.379173	8.389853	8.376691	8.389225
ABI2	cg1729970	0.079156	7.905653	8.13779	4.49E-07	8.31E-06	6.363001	8.350316	8.350222	8.342984	8.336859	8.348018	8.358252	8.338137	8.350831	8.353511	8.362772	8.407202	8.412226	8.416387	8.402206	8.390858	8.415297
SRGAP3	cg1266954	0.079276	7.514932	4.292679	0.000561	0.002524	-0.80632	8.095391	8.071276	8.09323	8.071512	8.097569	8.100461	8.060552	8.058322	8.059099	8.121405	8.140521	8.137354	8.132945	8.101767	8.12662	8.116489
PRDM2	cg1970530	0.079296	7.826523	4.414573	0.000435	0.002071	-0.64229	8.319002	8.304449	8.30263	8.328899	8.285092	8.291116	8.255876	8.30734	8.284309	8.298245	8.321515	8.340291	8.363537	8.355506	8.309056	8.359262
PTPN13	cg1443009	0.079335	7.556017	3.832413	0.001472	0.005506	-1.78403	8.105112	8.103046	8.065121	8.130436	8.124982	8.099649	8.121449	8.14654	8.075882	8.090813	8.166377	8.163324	8.146376	8.169239	8.142106	8.175487
ARHGAP29	cg1499930	0.079343	6.88527	3.68221	0.002021	0.007164	-2.20545	7.691765	7.682972	7.680819	7.693799	7.726928	7.702104	7.679391	7.686721	7.690125	7.719888	7.752547	7.76632	7.749221	7.716074	7.731665	7.704513
PAFAH1B1	cg1533838	0.079346	7.733137	3.476308	0.003121	0.010202	-2.57975	8.231164	8.231964	8.269345	8.26192	8.185341	8.202749	8.203306	8.207376	8.238333	8.256992	8.266821	8.279988	8.298815	8.30636	8.266502	8.264586
NFATC1	cg0462786	0.079385	7.853121	6.772618	4.51E-06	5.15E-05	4.007573	8.29423	8.312389	8.316709	8.32626	8.285516	8.299593	8.321529	8.302837	8.323699	8.316883	8.367326	8.377386	8.373922	8.370844	8.356949	8.384828
PRDM5	cg1818132	0.079417	7.133582	6.000612	1.86E-05	0.000162	2.671535	7.855213	7.827953	7.857735	7.836528	7.849447	7.830449	7.828303	7.846826	7.84112	7.829386	7.867129	7.871315	7.89092	7.888524	7.883662	7.893992
NR4A1	cg2066154	0.079469	7.868048	7.954582	6.03E-07	1.06E-05	6.073777	8.324353	8.344965	8.312354	8.31643	8.308819	8.317011	8.322275	8.321307	8.317855	8.335792	8.375292	8.374578	8.377037	8.384037	8.381225	8.388609
UNC5C	cg0456146	0.079479	7.309944	4.956195	0.000144	0.000842	0.593096	7.960971	7.937505	7.937252	7.952176	7.968321	7.950905	7.93067	7.937013	7.958128	7.954301	8.008619	7.998653	8.020473	7.977926	7.97615	7.980409
SETD2	cg0337800	0.079498	7.920163	8.994609	1.19E-07	2.99E-06	7.725371	8.373804	8.354735	8.355794	8.349749	8.367175	8.356775	8.357509	8.365435	8.36323	8.356848	8.414089	8.412827	8.418995	8.417073	8.408874	8.431403
CACNA2D3	cg1707484	0.079566	6.716608	5.697055	3.32E-05	0.000255	1.842745	7.585362	7.594205	7.588522	7.611486	7.598195	7.598244	7.609061	7.618808	7.602137	7.598957	7.657629	7.665737	7.627032	7.644868	7.65903	7.632087
ST7	cg1925358	0.079664	6.881615	4.362204	0.000485	0.002253	-0.77358	7.673645	7.679393	7.695127	7.688624	7.704054	7.693675	7.681771	7.68642	7.719887	7.692002	7.744766	7.744212	7.766455	7.742025	7.721536	7.708381
CNN1	cg2256538	0.079675	7.758517	5.77692	2.85E-05	0.000227	2.15602	8.250391	8.230157	8.235577	8.238804	8.256429	8.240799	8.268547	8.225291	8.264592	8.231948	8.306162	8.311546	8.300894	8.314515	8.280357	8.299909
SEMA3F	cg1492534	0.079703	7.324555	3.27282	0.004793	0.014502	-2.92113	7.968655	7.906705	7.944961	7.924075	7.965786	7.963148	7.942814	7.963643	7.950306	7.996005	8.044426	8.022329	8.006798	8.029867	7.970011	8.000998
MYH9	cg0676517	0.079883	7.576051	5.029343	0.000124	0.000748	0.708817	8.143265	8.135312	8.112682	8.119611	8.142137	8.114307	8.110621	8.10911	8.10858	8.135367	8.141151	8.174742	8.193628	8.185107	8.162208	8.153306
CABLES1	cg2507974	0.079916	7.372421	3.347365	0.004097	0.012744	-2.76982	7.999238	7.984731	7.989126	8.003777	8.010665	7.962087	7.98267	8.01371	7.939364	8.000994	8.053935	7.995329	8.023183	8.063442	8.01481	8.052739
FOXP1	cg2354611	0.079972	7.798811	3.10528	0.006814	0.019223	-3.37288	8.249565	8.268837	8.335882	8.214998	8.321832	8.252946	8.276977	8.266436	8.281927	8.269142	8.313995	8.332304	8.314348	8.356624	8.334642	8.321877
SASH1	cg1437705	0.080026	7.798767	3.415692	0.003547	0.01132	-2.73322	8.287525	8.235273	8.277151	8.271914	8.26179	8.276531	8.260249	8.261117	8.248035	8.338481	8.317918	8.356705	8.360219	8.343687	8.305223	8.310081
PPM1L	cg0134022	0.080032	7.516056	2.832742	0.012015	0.030389	-3.83659	8.140662	8.032037	8.116005	8.095027	8.080392	8.086652	8.062569	8.061698	8.086495	8.083728	8.133186	8.124908	8.135002	8.169213	8.068519	8.121663
UNC5D	cg0375296	0.080052	7.54379	4.735876	0.000225	0.001212	0.110814	8.086113	8.10996	8.106022	8.092396	8.087009	8.116869	8.089039	8.136955	8.074826	8.092211	8.145061	8.157875	8.122684	8.158797	8.154162	8.163764
TP53BP2	cg1385855	0.080161	7.749275	5.146723	9.79E-05	0.000623	0.897347	8.219326	8.245331	8.259952	8.220447	8.213865	8.222513	8.240788	8.245043	8.236284	8.254385	8.292128	8.276036	8.300385	8.327895	8.31601	8.282162
CYGB	cg0095888	0.080188	7.937895	4.90591	0.000159	0.000915	0.323838	8.380296	8.36637	8.366109	8.365461	8.364323	8.438062	8.378665	8.369316	8.36126	8.365799	8.426532	8.434462	8.43364	8.415504	8.417419	8.427615
TNFSF12	cg0003116	0.080285	7.779643	7.190221	2.17E-06	2.86E-05	4.791636	8.265423	8.260729	8.261425	8.234469	8.26722	8.274534	8.25865	8.266892	8.264079	8.249589	8.322162	8.311988	8.299807	8.312184	8.322977	8.321611
TP63	cg1351803	0.080316	7.869436	6.938903	3.36E-06	4.07E-05	4.306421	8.345275	8.331416	8.320894	8.326137	8.327381	8.318206	8.336302	8.321865	8.300383	8.325447	8.378685	8.366109	8.361826	8.386874	8.394186	8.376635
RHOBTB2	cg0759530	0.080457	7.635579	5.204888	8.72E-05	0.000565	1.048546	8.127681	8.174806	8.142056	8.148041	8.164436	8.157071	8.155	8.165799	8.179769	8.161011	8.200413	8.230038	8.248492	8.204627	8.212843	8.218605
FBLN1	cg2050952	0.080582	7.681073	4.444347	0.000409	0.001973	-0.52955	8.224776	8.234264	8.184575	8.165691	8.19708	8.195804	8.182119	8.181927	8.189187	8.192124	8.218988	8.214197	8.256637	8.247608	8.257488	8.248586
MME	cg1879303	0.08059	7.578194	5.657112	3.59E-05	0.000271	1.96847	8.118482	8.111652	8.132726	8.133601	8.096565	8.1093	8.12308	8.125752	8.117587	8.131214	8.168093	8.178825	8.180464	8.171618	8.15725	8.208803
PTPRK	cg1408858	0.080675	7.809962	3.343686	0.004129	0.012819	-2.89208	8.245535	8.268857	8.287663	8.280459	8.236352	8.268487	8.268695	8.272303	8.32736	8.297845	8.362555	8.371695	8.34133	8.31165	8.305486	8.393979
DUSP22	cg1123542	0.080743	7.170157	3.042868	0.007764	0.021352	-3.38896	7.845851	7.836843	7.84321	7.873687	7.879776	7.882328	7.842827	7.863907	7.855952	7.88082	7.95299	7.909293	7.937238	7.892408	7.850863	7.909014
MYH9	cg1899420	0.080753	7.808898	8.388803	3.01E-07	6.14E-06	6.814845	8.297335	8.297856	8.301158	8.29136	8.282892	8.319787	8.269396	8.26961	8.268585	8.272114	8.32831	8.331291	8.317966	8.324242	8.332107	8.320645
NR2C2	cg2559837	0.080767	7.790528	6.677081	5.36E-06	5.86E-05	3.862302	8.281773	8.264699	8.273684	8.286067	8.28319	8.281954	8.264103	8.255028	8.250378	8.274857	8.329315	8.323083	8.317172	8.32438	8.321139	8.285655
TSC1	cg0036243	0.080845	7.90125	7.297957	1.80E-06	2.46E-05	4.930621	8.344139	8.341055	8.34273	8.31183	8.344363	8.350065	8.348397	8.35259	8.336438	8.365706	8.403462	8.414011	8.397979	8.403116	8.419625	8.410091
GSK3B	cg1782165	0.080897	7.749353	3.414986	0.003553	0.011327	-2.71226	8.226281	8.233867	8.212735	8.245792	8.282343	8.26633	8.218632	8.259418	8.192031	8.271726	8.308393	8.308773	8.307339	8.289637	8.26516	8.264972
PPP3CC	cg1726038	0.080912	6.936424	2.637449	0.017938	0.04203	-4.31327	7.757573	7.729408	7.728738	7.714267	7.745081	7.768768	7.743391	7.695283	7.716633	7.697236	7.801242	7.760583	7.704731	7.753859	7.804942	7.719337
DCC	cg1904245	0.080947	7.258618	3.971268	0.001099	0.004356	-1.45691	7.926689	7.91831	7.923941	7.869179	7.914157	7.900612	7.923085	7.922956	7.898018	7.930248	7.955343	7.949178	7.941764	7.970912	7.993954	7.994627
KLF5	cg1873791	0.080999	6.690475	4.49613	0.000368	0.001807	-0.63468	7.585939	7.57166	7.576058	7.589479	7.59135	7.589083	7.580811	7.584142	7.604824	7.598175	7.665267	7.64011	7.629943	7.64675	7.602769	7.612456
HACE1	cg0643380	0.081082	7.883168	7.920695	6.37E-07	1.10E-05	6.009119	8.329867	8.320924	8.328566	8.335848	8.296347	8.336567	8.333701	8.339368	8.341677	8.339309	8.396488	8.396558	8.394457	8.386061	8.398674	8.402293
PLA2G16	cg1026655	0.081104	7.643787	6.294257	1.08E-05	0.000103	3.18561	8.149999	8.165312	8.170465	8.172799	8.15691	8.16997	8.151805	8.177108	8.161641	8.177103	8.201567	8.235751	8.235935	8.23281	8.207293	8.213549
PDCD4	cg2740834	0.081126	7.871427	6.103449	1.53E-05	0.000138	2.741518	8.34379	8.295601	8.323936	8.307521	8.314524	8.302275	8.319486	8.314586	8.33596	8.354557	8.393319	8.389355	8.391145	8.396152	8.379663	8.379887
TCF7L2	cg0712879	0.081158	6.689897	3.433178	0.003419	0.011004	-2.87873	7.611232	7.573632	7.616456	7.581773	7.585483	7.578437	7.593402	7.591697	7.571171	7.592239	7.587168	7.600917	7.657372	7.626641	7.64448	7.651724
MCC	cg1656476	0.0812	7.776598	6.339973	9.89E-06	9.62E-05	3.237938	8.264617	8.251648	8.26454	8.273009	8.277953	8.283065	8.259238	8.252322	8.230331	8.261785	8.325563	8.290046	8.320486	8.30445	8.306453	8.293455
LITAF	cg1187471	0.081499	7.889079	7.169828	2.25E-06	2.93E-05	4.712029	8.344057	8.340541	8.331187	8.325315	8.346818	8.355317	8.352102	8.328227	8.338135	8.323932	8.3932	8.400853	8.382963	8.406785	8.375857	8.398928
WWOX	cg0064193	0.0815	7.659272	3.000015	0.00849	0.022938	-3.54194	8.19582	8.145045	8.149073	8.155715	8.178196	8.148634	8.191918	8.146984	8.15017	8.252096	8.256088	8.242844	8.248891	8.231304	8.193955	8.266543
FOXO3	cg0412707	0.081533	6.900919	2.708316	0.01552	0.037466	-4.19025	7.698079	7.680056	7.680262	7.731663	7.717995	7.71223	7.674672	7.689923	7.733777	7.71466	7.764458	7.777338	7.795101	7.723539	7.713375	7.71109
PRDM2	cg2046406	0.081558	7.523763	2.617137	0.018695	0.043475	-4.2619	8.071216	8.067342	8.063208	8.126223	8.145395	8.070949	8.060378	8.071102	8.094989	8.100817	8.164745	8.170675	8.17108	8.103384	8.123625	8.07584
GAS1	cg0501563	0.081593	6.703892	3.886252	0.001314	0.005051	-1.90905	7.582654	7.578863	7.586981	7.603933	7.620293	7.577599	7.603462	7.609737	7.596789	7.583844	7.667781	7.641033	7.621329	7.616355	7.624124	7.668514
RNH1	cg0047311	0.081729	6.731709	3.339796	0.004163	0.012904	-3.05012	7.653254	7.620858	7.608717	7.614272	7.657274	7.62669	7.606785	7.616947	7.568709	7.60405	7.615533	7.634603	7.654117	7.608639	7.665129	7.665199
MTUS1	cg2465784	0.081735	7.390356	4.857786	0.000175	0.000995	0.383396	7.973556	7.993918	7.983951	7.990163	7.969448	7.976347	8.001727	8.023901	7.978692	8.027885	8.05444	8.058395	8.045674	8.064077	8.041275	8.093152
SPARC	cg1751829	0.081742	7.080701	3.108484	0.006768	0.019124	-3.27101	7.81161	7.804955	7.817535	7.770437	7.811364	7.819505	7.799568	7.840168	7.771877	7.8183	7.800423	7.881413	7.837977	7.874902	7.871345	7.860304
PPP2CB	cg2681889	0.081854	7.699716	7.598809	1.08E-06	1.64E-05	5.524135	8.201699	8.177378	8.199886	8.203451	8.177637	8.184807	8.210182	8.20148	8.218004	8.21861	8.279283	8.266038	8.263097	8.259816	8.262343	8.275302
SERPINI2	cg1885439	0.081997	7.591218	3.50518	0.002937	0.009701	-2.47693	8.109738	8.148169	8.121868	8.130631	8.149166	8.163228	8.111326	8.100936	8.138314	8.152971	8.219766	8.219337	8.163974	8.155858	8.171241	8.150002
DKK3	cg1036488	0.082012	7.783205	8.331175	3.30E-07	6.63E-06	6.726263	8.266709	8.26794	8.256612	8.254331	8.266871	8.264232	8.257098	8.258673	8.26179	8.269506	8.312249	8.315222	8.332533	8.319698	8.301225	8.329335
PLK2	cg2061725	0.082026	7.027149	5.006835	0.00013	0.000776	0.654863	7.784685	7.787417	7.778558	7.786022	7.769246	7.772213	7.784751	7.788117	7.760055	7.75764	7.812242	7.794241	7.807266	7.854731	7.822619	7.822266
PTPRC	cg2187609	0.082155	7.79483	4.950375	0.000145	0.00085	0.481195	8.288794	8.253392	8.242976	8.270314	8.290985	8.270647	8.277975	8.271835	8.25193	8.281382	8.33249	8.32817	8.336779	8.296392	8.356483	8.315712
DAPK2	cg1126658	0.082172	7.589375	2.836977	0.01191	0.030177	-3.84596	8.102028	8.10975	8.184076	8.161347	8.143591	8.094914	8.184289	8.095673	8.08242	8.144903	8.161272	8.19067	8.165883	8.195661	8.184951	8.186113
SIRT2	cg1493621	0.082228	7.091349	2.892301	0.010621	0.027543	-3.7065	7.846541	7.863561	7.766425	7.822802	7.814276	7.806142	7.785501	7.796881	7.827698	7.825936	7.841061	7.867755	7.878034	7.860305	7.877806	7.812716
MLH1	cg0210340	0.082286	6.807717	3.117125	0.006647	0.018826	-3.43832	7.620179	7.668843	7.642382	7.64473	7.695025	7.655766	7.638862	7.632612	7.647757	7.679983	7.702128	7.722543	7.715086	7.685685	7.668861	7.663365
MARVELD1	cg2275615	0.082306	7.792631	7.747282	8.47E-07	1.36E-05	5.75325	8.270719	8.262929	8.270275	8.285429	8.247293	8.257451	8.261875	8.272425	8.286765	8.261074	8.331106	8.328623	8.323365	8.32497	8.330164	8.326578
TGFBR2	cg0966821	0.082387	6.804571	5.025194	0.000125	0.000754	0.55163	7.652627	7.650631	7.649493	7.64997	7.646496	7.617075	7.639095	7.632468	7.674472	7.665963	7.704612	7.691863	7.706695	7.695139	7.687731	7.691177
CSMD1	cg2658656	0.082401	7.139769	4.753526	0.000217	0.001179	0.175013	7.83688	7.857853	7.848901	7.826047	7.839714	7.814942	7.833153	7.854489	7.832646	7.858149	7.856826	7.89028	7.898638	7.906813	7.898827	7.905674
GATA5	cg2114998	0.082402	7.731763	8.891927	1.39E-07	3.36E-06	7.629942	8.235088	8.234184	8.233333	8.227471	8.230959	8.251065	8.214755	8.22614	8.220205	8.221258	8.281635	8.276119	8.275612	8.28966	8.268414	8.268853
FOXP1	cg1673463	0.082475	7.010095	2.683709	0.016322	0.03904	-4.16266	7.752966	7.741903	7.753221	7.78371	7.800808	7.778799	7.73878	7.751128	7.766254	7.797684	7.827658	7.844318	7.854345	7.790614	7.789115	7.753143
DAB2	cg1980517	0.082538	7.636934	4.968534	0.00014	0.000825	0.568778	8.169258	8.186534	8.171467	8.186883	8.144394	8.147141	8.126045	8.170673	8.144362	8.186682	8.204566	8.219732	8.206637	8.210151	8.218429	8.211713
APC	cg0366796	0.08255	7.56915	5.304265	7.16E-05	0.000477	1.266794	8.100563	8.087168	8.107467	8.129961	8.119011	8.127487	8.106652	8.131702	8.11463	8.114983	8.183605	8.183588	8.182755	8.145734	8.180398	8.151596
IKZF1	cg0996503	0.082595	7.286837	4.416158	0.000434	0.002066	-0.52485	7.93826	7.9142	7.898931	7.911291	7.941116	7.93209	7.945224	7.943881	7.960096	7.902275	7.972001	7.989771	8.000706	7.980804	8.010541	7.975969
HOMER2	cg0281826	0.082623	6.662749	5.040967	0.000121	0.000734	0.47178	7.570699	7.562031	7.578456	7.56981	7.570691	7.576831	7.566088	7.562521	7.60148	7.573225	7.620014	7.619606	7.637614	7.587024	7.614743	7.6232
NFATC2	cg1829423	0.082767	6.911779	4.513637	0.000355	0.001752	-0.43844	7.71512	7.69758	7.695982	7.724838	7.713284	7.709585	7.688644	7.730734	7.705458	7.710521	7.788943	7.734264	7.757987	7.751917	7.730326	7.759745
RHOA	cg0136669	0.083199	7.72072	3.078461	0.007207	0.020115	-3.39889	8.180731	8.210987	8.18547	8.217042	8.221864	8.27722	8.207803	8.211353	8.237345	8.223276	8.320878	8.29193	8.305229	8.229911	8.249687	8.263151
AHNAK	cg0227413	0.083234	6.688792	3.755991	0.00173	0.0063	-2.19743	7.573578	7.566935	7.578689	7.593746	7.597035	7.59533	7.577956	7.583678	7.610175	7.587103	7.679432	7.633628	7.633058	7.636312	7.60773	7.600643
KANK1	cg0442407	0.083329	7.547746	5.666628	3.52E-05	0.000267	1.993734	8.086526	8.084972	8.10304	8.084692	8.096234	8.118048	8.118569	8.085465	8.118024	8.092428	8.156922	8.179497	8.155831	8.169394	8.147655	8.139428

GSK3B	cg1501065	0.083335	7.905828	4.779279	0.000206	0.001127	0.078377	8.362182	8.356906	8.373168	8.35202	8.326153	8.37251	8.3582	8.324026	8.361057	8.333239	8.397109	8.416214	8.382632	8.377449	8.404629	8.440778
DCDC2	cg0705420	0.083406	7.749919	2.778054	0.013449	0.033299	-4.01918	8.2071	8.25586	8.182917	8.236972	8.177551	8.215977	8.216081	8.221936	8.323379	8.256058	8.310016	8.317983	8.366064	8.283761	8.287919	8.304377
PLA2G16	cg0354838	0.083408	7.579197	6.911699	3.53E-06	4.24E-05	4.344297	8.142222	8.136925	8.117674	8.114978	8.127615	8.136463	8.110944	8.119378	8.113714	8.123989	8.18016	8.153424	8.175768	8.182346	8.183963	8.155442
PRDM5	cg0450632	0.083443	6.692282	6.278224	1.11E-05	0.000106	2.952239	7.570469	7.574597	7.587612	7.593053	7.582709	7.593952	7.592513	7.585076	7.600204	7.593566	7.637613	7.631797	7.662128	7.625264	7.629699	7.623632
GSN	cg0254104	0.083462	7.899323	5.741836	3.05E-05	0.00024	2.027307	8.334331	8.350101	8.319778	8.33124	8.348986	8.37142	8.339481	8.331799	8.360839	8.348967	8.416843	8.415166	8.421811	8.397414	8.392523	8.382568
MIA2	cg0389504	0.083526	7.781061	5.115841	0.000104	0.000655	0.823814	8.239951	8.243806	8.248498	8.276413	8.242381	8.269018	8.260196	8.245017	8.274338	8.278091	8.328037	8.345345	8.341019	8.288077	8.310573	8.320143
CADM1	cg1286460	0.083535	7.18818	4.104084	0.000832	0.003473	-1.17767	7.846311	7.859881	7.868201	7.886241	7.888394	7.894234	7.878154	7.855314	7.872935	7.870405	7.930897	7.93363	7.949096	7.91914	7.898356	7.88165
CUX1	cg2056714	0.083541	7.875335	8.953907	1.26E-07	3.14E-06	7.678982	8.318594	8.326411	8.319758	8.329685	8.324759	8.326176	8.328613	8.335605	8.337883	8.312897	8.396995	8.394039	8.373489	8.394164	8.38747	8.37948
RB1CC1	cg0221131	0.08365	7.893178	6.01715	1.80E-05	0.000158	2.569368	8.36076	8.34218	8.36633	8.337023	8.338034	8.320145	8.334222	8.322251	8.336097	8.356542	8.384276	8.392875	8.394625	8.403809	8.382245	8.420365
FLT3	cg0940088	0.083684	7.352997	5.133308	0.000101	0.000637	0.951448	7.995105	7.964104	7.982121	7.964631	7.977804	7.958875	7.970913	7.970472	7.997069	7.955534	8.030468	8.013875	8.011482	8.010598	8.031577	8.054908
DLC1	cg0043167	0.083704	7.394175	4.821948	0.000188	0.001053	0.310081	7.981062	7.989002	7.993937	8.008842	7.997787	8.003634	7.980593	7.999688	8.006482	8.023094	8.068439	8.073615	8.07731	8.03375	8.054247	8.02344
SALL2	cg2292176	0.083946	7.575688	5.309797	7.08E-05	0.000474	1.277658	8.113699	8.125892	8.11789	8.138525	8.104972	8.13873	8.117445	8.104718	8.144546	8.100015	8.18951	8.178411	8.169366	8.173777	8.17849	8.141563
DLC1	cg0666906	0.084013	7.731324	6.547169	6.77E-06	7.08E-05	3.639671	8.251258	8.230835	8.247378	8.232573	8.228536	8.225767	8.232713	8.219227	8.199075	8.225084	8.276121	8.250975	8.272002	8.280201	8.283514	8.294785
PLEKHO1	cg1119981	0.084055	7.750297	5.582923	4.14E-05	0.000304	1.776313	8.237015	8.259351	8.237297	8.236635	8.238843	8.221947	8.228314	8.226867	8.23731	8.262137	8.28157	8.291532	8.31963	8.292803	8.273658	8.31866
NFATC1	cg2610274	0.084074	7.052948	3.15501	0.006139	0.017676	-3.1885	7.750729	7.804697	7.793622	7.775623	7.784715	7.788793	7.789542	7.760821	7.78298	7.843837	7.872784	7.852928	7.83884	7.860098	7.800519	7.827919
CREM	cg2023082	0.084132	7.742272	5.457559	5.29E-05	0.000371	1.529572	8.222362	8.218306	8.249992	8.231101	8.255329	8.236002	8.222957	8.21567	8.25951	8.227833	8.286895	8.307638	8.310015	8.27683	8.273374	8.279557
CDKN1A	cg1192044	0.084188	7.646933	7.115081	2.47E-06	3.16E-05	4.693747	8.152919	8.176751	8.178983	8.171632	8.174844	8.180774	8.172427	8.153968	8.149784	8.180034	8.219885	8.218771	8.235035	8.222419	8.205086	8.2209
MTSS1	cg2626453	0.084203	7.622582	6.250155	1.17E-05	0.000111	3.108231	8.146389	8.136878	8.182927	8.161937	8.164832	8.138749	8.135753	8.157115	8.147806	8.151216	8.210616	8.212407	8.194583	8.212205	8.205779	8.188216
PAX6	cg2118458	0.084307	7.737845	4.590948	0.000302	0.001539	-0.24216	8.227109	8.227148	8.245045	8.251822	8.230128	8.205928	8.242025	8.255592	8.209532	8.209231	8.265288	8.256887	8.296532	8.281337	8.308983	8.311438
ILK	cg1572172	0.084337	6.692685	4.00171	0.001031	0.004137	-1.67352	7.596762	7.576543	7.576969	7.607125	7.572028	7.572606	7.606739	7.574522	7.591738	7.598889	7.648978	7.59877	7.664722	7.615732	7.651097	7.635038
LRRC3B	cg2626323	0.084384	7.884999	7.876185	6.85E-07	1.16E-05	5.936822	8.338869	8.334258	8.34226	8.330248	8.320334	8.35685	8.338239	8.32587	8.325984	8.336736	8.393738	8.38587	8.389914	8.384665	8.381928	8.411411
CBFA2T3	cg1733259	0.084389	7.394342	5.374941	6.23E-05	0.000426	1.436526	7.997037	8.011291	8.003709	8.015984	8.005658	8.023069	7.985239	8.001195	8.003696	7.986265	8.063723	8.028468	8.067316	8.065224	8.042368	8.015269
NTRK3	cg0741003	0.084441	6.656724	6.123092	1.48E-05	0.000134	2.61655	7.572482	7.576095	7.575015	7.587337	7.571469	7.587744	7.559104	7.552081	7.572419	7.580671	7.626325	7.612013	7.617711	7.595824	7.606537	7.589403
PTPRK	cg2718251	0.084443	6.691224	6.629403	5.83E-06	6.29E-05	3.610527	7.590486	7.571557	7.578131	7.59577	7.585815	7.59489	7.591262	7.59544	7.586014	7.588025	7.632417	7.639038	7.639221	7.631404	7.6479	7.607096
TCF7L2	cg0967920	0.08446	7.863715	9.236773	8.30E-08	2.21E-06	8.117474	8.321272	8.323415	8.320816	8.320431	8.33388	8.315628	8.312467	8.325318	8.310717	8.315721	8.366525	8.373163	8.383851	8.383768	8.383951	8.360987
DMD	cg1092999	0.08447	6.983612	2.588174	0.019828	0.045519	-4.36198	7.720513	7.716757	7.725828	7.788634	7.74083	7.774063	7.740747	7.742843	7.73735	7.790566	7.814151	7.857578	7.820849	7.776803	7.763528	7.767634
KLF6	cg1345422	0.084504	7.392528	4.335977	0.000513	0.002343	-0.69992	7.965823	8.008197	8.011018	8.007506	8.007884	8.006584	7.998609	7.969447	8.000871	8.019965	8.063012	8.076357	8.062959	8.047123	8.034242	8.017973
HIVEP3	cg0625132	0.084556	7.772149	4.262097	0.000598	0.002663	-0.94087	8.242269	8.241292	8.270528	8.265215	8.284141	8.254285	8.243132	8.265298	8.206985	8.285866	8.32694	8.302269	8.311645	8.313074	8.274356	8.322452
CTDSPL	cg1282424	0.084635	7.400336	3.654922	0.002141	0.007512	-2.13126	7.98711	7.981442	7.993399	8.02337	8.019727	8.022185	7.997713	7.981394	8.017177	8.016394	8.0748	8.088308	8.090434	8.033325	8.022624	8.029812
PLAGL1	cg0081459	0.084726	7.663038	4.340017	0.000508	0.002325	-0.74387	8.174141	8.147724	8.181837	8.212933	8.205985	8.167994	8.190497	8.175686	8.18889	8.149005	8.24099	8.250303	8.234046	8.225815	8.198329	8.248211
PPP2R5C	cg2259699	0.084761	7.878258	7.081068	2.62E-06	3.34E-05	4.55892	8.34004	8.325384	8.327143	8.332908	8.345417	8.335306	8.35428	8.327934	8.313144	8.30669	8.383634	8.374598	8.379063	8.380587	8.395488	8.397782
EPHA3	cg0780017	0.084785	7.758145	4.004687	0.001025	0.004116	-1.47662	8.238102	8.237736	8.236083	8.310167	8.252128	8.245861	8.22525	8.238527	8.236901	8.252296	8.307593	8.31676	8.322017	8.29917	8.259298	8.274056
TDGF1	cg1121941	0.084997	7.127981	5.478964	5.08E-05	0.000358	1.648333	7.828088	7.830809	7.831238	7.822431	7.837487	7.812387	7.839246	7.846558	7.835364	7.832835	7.898834	7.897361	7.846664	7.903678	7.887816	7.895012
MAPK10	cg1150789	0.085063	7.297739	2.884699	0.01079	0.027905	-3.71023	7.877848	7.875678	7.89349	7.926521	7.947163	7.951431	7.957214	7.969686	7.948597	7.942038	8.052213	8.029094	8.010507	8.015604	7.981626	7.953104
DCN	cg0476619	0.08507	7.758425	3.053478	0.007593	0.020985	-3.46145	8.221683	8.251725	8.23462	8.21206	8.244246	8.31971	8.239634	8.221748	8.267589	8.239485	8.355122	8.287601	8.312668	8.257865	8.284306	8.306253
DOK1	cg1914873	0.085109	7.782801	7.472212	1.34E-06	1.95E-05	5.284366	8.266119	8.25102	8.258733	8.245234	8.267359	8.25944	8.242926	8.262406	8.271526	8.274808	8.331969	8.317343	8.333599	8.32709	8.306517	8.313872
NUMB	cg0718568	0.085351	7.941779	4.833461	0.000184	0.001034	0.170108	8.366118	8.355463	8.374702	8.394663	8.362388	8.39447	8.376565	8.372932	8.333991	8.413913	8.441714	8.434017	8.456816	8.431765	8.412718	8.434587
PLA2R1	cg2748991	0.085401	7.192508	3.447455	0.003317	0.010729	-2.55465	7.848364	7.855973	7.867722	7.871061	7.902177	7.879441	7.855906	7.866844	7.903744	7.872119	7.955761	7.935599	7.954191	7.918815	7.918683	7.870246
PTPN12	cg1958991	0.085416	7.485471	4.624515	0.000282	0.001455	-0.10939	8.06732	8.06727	8.068601	8.068221	8.025044	8.066787	8.037143	8.059711	8.055335	8.079237	8.119089	8.122728	8.090385	8.081748	8.124941	8.138273
PRKAR1A	cg1018566	0.08552	6.840381	3.199066	0.005597	0.016419	-3.25482	7.657883	7.677564	7.72208	7.676364	7.689827	7.697805	7.671096	7.642448	7.649971	7.667993	7.726177	7.708798	7.680711	7.742701	7.712276	7.649023
IFT88	cg1360872	0.08558	7.722872	6.420911	8.52E-06	8.51E-05	3.40388	8.217151	8.22338	8.227193	8.207735	8.218955	8.213744	8.188152	8.22709	8.24257	8.221532	8.266064	8.292464	8.286787	8.269185	8.282338	8.272003
WNT5A	cg1724671	0.085616	7.322751	4.136658	0.000777	0.003298	-1.11236	7.956871	7.943525	7.985042	7.930646	7.954321	7.96454	7.958585	7.919025	7.985299	7.948887	8.025235	7.995519	8.007198	7.983088	8.030504	7.992397
PTCH1	cg1981061	0.085665	6.81958	5.548318	4.43E-05	0.00032	1.608776	7.678641	7.656285	7.67097	7.67909	7.671695	7.682019	7.638179	7.642144	7.659119	7.651686	7.697813	7.689732	7.719876	7.682012	7.666084	7.701222
THRB	cg2106917	0.085694	7.738734	4.413178	0.000437	0.002076	-0.61207	8.21978	8.233665	8.222233	8.274378	8.233417	8.244912	8.217645	8.227586	8.214456	8.241735	8.289472	8.299695	8.304157	8.285782	8.231096	8.293837
GJA1	cg1159017	0.085765	7.913455	6.636049	5.77E-06	6.22E-05	3.732676	8.358364	8.370484	8.353613	8.375788	8.356668	8.342413	8.356905	8.337103	8.342541	8.365028	8.420468	8.400235	8.417009	8.396051	8.397579	8.436331
PPP2R5C	cg2343962	0.085903	6.948198	8.27123	3.63E-07	7.11E-06	6.62866	7.733005	7.743383	7.74087	7.741236	7.725768	7.746319	7.715839	7.720932	7.729479	7.726935	7.784682	7.763634	7.770765	7.776835	7.759762	7.767408
CXCL12	cg2524788	0.085919	7.832327	6.956541	3.26E-06	3.97E-05	4.354184	8.289356	8.312073	8.310838	8.292291	8.297476	8.301269	8.282805	8.302368	8.276883	8.30974	8.366489	8.352574	8.330727	8.352039	8.369427	8.346099
MADD	cg0906046	0.085941	7.360902	4.119747	0.000805	0.003388	-1.15146	7.959142	7.99629	7.991774	7.950656	7.933806	7.983367	7.956499	7.979885	7.982327	8.015482	8.010449	8.042586	8.044568	8.030025	8.047472	8.047995
SPRY4	cg1461925	0.085976	6.723361	2.839385	0.011851	0.030047	-4.07409	7.599697	7.640349	7.619151	7.591143	7.594109	7.657806	7.617336	7.563338	7.620289	7.593295	7.662632	7.606576	7.665768	7.604475	7.656951	7.657434
AKR1B1	cg0816770	0.086002	7.143833	4.101303	0.000837	0.003487	-1.18652	7.861154	7.847808	7.85361	7.811138	7.860816	7.821474	7.854141	7.849644	7.829278	7.843189	7.884164	7.871412	7.874647	7.925894	7.887228	7.923988
CREM	cg1001364	0.086031	7.91236	4.674533	0.000255	0.001341	-0.14211	8.341394	8.361923	8.3658	8.355092	8.361989	8.384798	8.352821	8.346374	8.384194	8.307584	8.406306	8.423127	8.41064	8.405051	8.37468	8.432448
NR2C2	cg1706577	0.08613	7.896182	5.954398	2.03E-05	0.000173	2.448144	8.344368	8.366559	8.365238	8.336862	8.364835	8.330072	8.324047	8.315425	8.36864	8.333371	8.40206	8.389997	8.405144	8.389565	8.405339	8.384894
LIMA1	cg0240076	0.086163	7.424972	2.585304	0.019943	0.045739	-4.30846	7.982584	7.993634	8.04959	8.059864	7.989452	8.033341	7.964262	8.018061	8.065037	8.033403	8.105315	8.120916	8.089138	8.048322	8.037071	8.047832
CADM1	cg1860339	0.086259	7.412057	4.409063	0.00044	0.002091	-0.54866	8.006365	7.984977	8.042048	8.028755	8.015745	8.024762	8.003871	8.002428	8.036286	7.985875	8.043017	8.092627	8.075128	8.062365	8.054653	8.041444
SYK	cg2031690	0.086293	7.792726	6.719212	4.97E-06	5.55E-05	3.938467	8.292776	8.278079	8.269851	8.269569	8.293554	8.253459	8.25166	8.256098	8.285715	8.257202	8.336674	8.320936	8.312601	8.318531	8.327591	8.317492
EPAS1	cg0504998	0.086299	7.927836	7.278193	1.87E-06	2.52E-05	4.886396	8.367309	8.380879	8.368164	8.364359	8.336457	8.370352	8.349077	8.353104	8.369171	8.383715	8.420695	8.426014	8.432577	8.428853	8.415017	8.428199
PPM1L	cg2244477	0.086324	7.91002	4.031356	0.000969	0.003932	-1.48656	8.392426	8.383678	8.324318	8.361196	8.380595	8.385356	8.375816	8.330943	8.329565	8.32083	8.410478	8.38298	8.393379	8.363734	8.418327	8.433446
NFKB1	cg0373844	0.086426	7.734047	3.088045	0.007064	0.019778	-3.38447	8.229689	8.220412	8.216074	8.244314	8.191064	8.228647	8.197476	8.178931	8.265496	8.277667	8.31564	8.332259	8.295783	8.276501	8.253617	8.259828
FLNA	cg1477385	0.086434	7.862103	10.26752	1.93E-08	7.19E-07	9.616494	8.326193	8.319987	8.316722	8.323856	8.318748	8.335954	8.313197	8.31927	8.320527	8.29812	8.374137	8.373004	8.374872	8.372383	8.372319	8.374024
CUX1	cg1619429	0.08656	7.837284	2.635037	0.018026	0.042211	-4.32784	8.248663	8.328035	8.389476	8.291087	8.259449	8.340243	8.262801	8.297291	8.311236	8.301327	8.339847	8.373914	8.33596	8.398541	8.312283	8.361243
SGMS1	cg1172472	0.086618	6.951616	4.559974	0.000322	0.001621	-0.31576	7.721417	7.755289	7.703164	7.747285	7.746703	7.716818	7.735193	7.732181	7.742686	7.710849	7.758225	7.780753	7.803997	7.773369	7.774343	7.777533
PTPRD	cg1269822	0.08666	7.08781	3.591959	0.002445	0.008365	-2.27283	7.840714	7.801237	7.817159	7.826704	7.814447	7.857635	7.827307	7.778154	7.76091	7.835139	7.866035	7.864406	7.834683	7.833779	7.858287	7.841989
GSK3B	cg1209088	0.086684	7.871712	9.308529	7.47E-08	2.06E-06	8.221856	8.335637	8.329359	8.32268	8.313146	8.315508	8.324147	8.315966	8.321263	8.326652	8.331082	8.384763	8.37162	8.391967	8.379809	8.383675	8.397
FBXL13	cg2422450	0.086772	7.834466	8.59329	2.19E-07	4.74E-06	7.129248	8.309185	8.292003	8.293659	8.282872	8.313462	8.29188	8.29736	8.284436	8.297579	8.308708	8.353923	8.366965	8.359839	8.357913	8.355367	8.35196
PTPRK	cg0731543	0.086801	7.846343	3.220884	0.005346	0.015829	-3.15115	8.31592	8.349845	8.35818	8.27607	8.320627	8.352908	8.341712	8.258712	8.252401	8.314232	8.327315	8.339794	8.337365	8.3451	8.386995	8.376661
TGFBR3	cg0034235	0.086861	7.506951	6.085612	1.59E-05	0.000142	2.817335	8.055807	8.073651	8.055765	8.081664	8.081754	8.091431	8.087492	8.082555	8.057814	8.061036	8.13339	8.134932	8.123215	8.1324	8.141618	8.105275
AHNAK	cg2156974	0.086878	7.886929	9.756976	3.92E-08	1.25E-06	8.880609	8.331169	8.343151	8.342901	8.332502	8.347439	8.336347	8.323739	8.347313	8.323358	8.332725	8.396381	8.39234	8.383881	8.395628	8.401895	8.388632
DNAJB4	cg1313300	0.086955	7.405498	4.015311	0.001002	0.004042	-1.3749	7.97733	7.995704	7.990628	8.003582	8.008369	8.042217	7.98845	8.019292	8.006384	8.01998	8.107399	8.058916	8.076964	8.065414	8.034774	8.0377
HECA	cg0808903	0.087037	7.007227	5.631791	3.77E-05	0.000281	1.89367	7.795042	7.770301	7.808308	7.788654	7.781525	7.76524	7.734003	7.758798	7.761873	7.743008	7.786627	7.807965	7.786278	7.809815	7.787784	7.809509
ADARB1	cg1436989	0.087037	6.992711	2.762842	0.013877	0.034159	-4.01206	7.714864	7.71306	7.742573	7.781835	7.751846	7.760872	7.735687	7.748297	7.777089	7.780832	7.848352	7.83829	7.84093	7.786616	7.789566	7.753248
CTNND1	cg2005967	0.087106	7.243995	4.105093	0.00083	0.003468	-1.17506	7.902464	7.908354	7.91072	7.913143	7.916251	7.916284	7.87657	7.875757	7.926162	7.923147	7.978989	7.963956	7.981386	7.94222	7.923378	7.927346
LIFR	cg0952427	0.087161	7.912131	8.955455	1.26E-07	3.14E-06	7.668004	8.338558	8.350245	8.369814	8.348954	8.352172	8.35192	8.367609	8.343836	8.352321	8.347526	8.406897	8.420334	8.4096	8.424729	8.419633	8.407285
PLCD1	cg1348791	0.087241	6.893935	3.56798	0.002572	0.00873	-2.44071	7.685991	7.730834	7.6741	7.700842	7.706304	7.714094	7.706563	7.669825	7.682406	7.724533	7.764062	7.716697	7.779029	7.72987	7.746143	7.722495
PDCD4	cg2696225	0.087272	6.898209	4.388101	0.00046	0.002162	-0.7146	7.715216	7.69767	7.716921	7.701455	7.681152	7.739285	7.681354	7.68591	7.689478	7.725975	7.749867	7.737533	7.759633	7.732924	7.722167	7.754983
DLG1	cg2351534	0.08732	7.516716	4.437732	0.000415	0.001994	-0.5048	8.049881	8.061652	8.056759	8.080618	8.097531	8.097798	8.071986	8.09496	8.087292	8.073587	8.150662	8.162161	8.147012	8.143298	8.091576	8.138259
RARB	cg0348127	0.087348	6.67602	4.121911	0.000801	0.003375	-1.43657	7.581602	7.558622	7.580731	7.591746	7.575389	7.579285	7.56385	7.578381	7.580824	7.603124	7.646752	7.602857	7.660175	7.608432	7.598543	7.63651
PLAGL1	cg1536116	0.08738	7.570818	5.146401	9.80E-05	0.000623	0.948918	8.114355	8.117962	8.108986	8.163594	8.135902	8.110578	8.120976	8.11272	8.080257	8.121746	8.169024	8.170977	8.175784	8.142711	8.172184	8.167098
SRGAP3	cg0522065	0.08741	7.538548	3.671257	0.002068	0.007289	-2.1175	8.074264	8.097097	8.077786	8.089838	8.139482	8.113867	8.081155	8.087694	8.074217	8.11829	8.180067	8.167266	8.151261	8.091993	8.148762	8.145388
MTUS1	cg0177290	0.087455	7.241948	4.675197	0.000254	0.00134	0.01617	7.882246	7.879327	7.899984	7.903253	7.900972	7.929254	7.889425	7.916291	7.910206	7.905621	7.959107	7.975032	7.986731	7.926526	7.958442	7.943856
KANK1	cg2464341	0.087476	7.009848	2.890962	0.010651	0.027601	-3.75531	7.763288	7.757474	7.771566	7.818032	7.754787	7.769983	7.770716	7.718461	7.79471	7.75296	7.820712	7.817152	7.841622	7.747494	7.795933	7.827016
SHPRH	cg2704529	0.087488	7.826306	4.68416	0.00025	0.001323	-0.08399	8.275015	8.269909	8.285003	8.320087	8.276825	8.303725	8.305879	8.309449	8.252635	8.303118	8.35135	8.356312	8.359773	8.333035	8.335931	8.386795
ADARB1	cg1053725	0.087516	7.852174	6.632933	5.80E-06	6.25E-05	3.751301	8.297082	8.298443	8.297339	8.342952	8.294188	8.298758	8.305091	8.31407	8.321166	8.308767	8.383742	8.390177	8.372658	8.366389	8.357944	8.371654
BMPR1A	cg1186440	0.087519	7.825903	7.616228	1.05E-06	1.61E-05	5.521295	8.304152	8.314805	8.316184	8.302586	8.313712	8.279339	8.274952	8.288598	8.274232	8.29121	8.32453	8.33869	8.348999	8.349467	8.349202	8.348095
NRF1	cg1779738	0.087692	7.896289	5.54942	4.42E-05	0.000319	1.649436	8.349409	8.370948	8.340895	8.377209	8.333789	8.305909	8.343306	8.326579	8.337404	8.343717	8.380342	8.404888	8.399423	8.398025	8.402626	8.41356
DCN	cg0232291	0.08777	7.625395	2.802886	0.012779	0.032018	-3.91689	8.175692	8.14834	8.150608	8.228107	8.233298	8.217396	8.149279	8.132817	8.135868	8.093202	8.236245	8.206031	8.190012	8.124432	8.175484	8.183642
PCDH9	cg0191106	0.087825	6.830667	5.146764	9.79E-05	0.000623	0.806562	7.661835	7.680746	7.686195	7.676875	7.677724	7.687246	7.650914	7.651326	7.640909	7.671232	7.721629	7.700755	7.689251	7.672658	7.728397	7.687356
FOXP1	cg1587137	0.087825	7.804072	3.482142	0.003083	0.0101	-2.5931	8.269594	8.245687	8.26217	8.318469	8.30314	8.294464	8.261775	8.258119	8.310436	8.254573	8.36302	8.363855	8.357244	8.295236	8.313241	8.300943
PTPRD	cg0941884	0.087833	7.559892	4.01866	0.000995	0.00402	-1.39321	8.091921	8.099355	8.126551	8.080592	8.146942	8.080711	8.117319	8.0697	8.128846	8.122701	8.179671	8.159419	8.185636	8.157891	8.180802	8.14034
MAPK10	cg1823897	0.087851	7.845061	7.040762	2.81E-06	3.53E-05	4.497304	8.304949	8.2838	8.301762	8.279457	8.287953	8.326306	8.310538	8.303938	8.325835	8.293736	8.365699	8.367673	8.38247	8.365048	8.370506	8.369388
CDH13	cg0188056	0.087857	7.456377	6.307633	1.05E-05	0.000101	3.24654	8.043686	8.042865	8.035411	8.024821	8.02288	8.048899	8.022225	8.031248	8.057801	8.052197	8.095969	8.102153	8.10456	8.094602	8.074156	8.11113
CHST10	cg0580769	0.087868	7.188485	3.89559	0.001289	0.004973	-1.61583	7.877739	7.867307	7.868934	7.839171	7.835387	7.864238	7.891135	7.895114	7.86876	7.853105	7.915176	7.888395	7.91216	7.946325	7.950701	7.964199
HIVEP3	cg1961902	0.087868	6.671067	5.682506	3.42E-05	0.00026	1.773377	7.569078	7.571261	7.565181	7.58087	7.590307	7.581	7.576163	7.568728	7.586617	7.581078	7.645246	7.633464	7.622826	7.60318	7.631476	7.597691
DCDC2	cg1032968	0.088065	7.636619	5.142151	9.88E-05	0.000628	0.924636	8.173217	8.171421	8.165882	8.213928	8.139366	8.165962	8.158468	8.156151	8.14844	8.144452	8.188838	8.224486	8.208566	8.23366	8.198313	8.210086
EMP1	cg1361010	0.088075	7.196626	3.921128	0.001221	0.004739	-1.56203	7.822124	7.891434	7.88153	7.889169	7.889497	7.883412	7.85117	7.883247	7.883637	7.879779	7.935787	7.946537	7.950784	7.91023	7.915555	7.902829
RND3	cg2682310	0.088091	7.656694	5.476093	5.10E-05	0.00036	1.59207	8.16602	8.2166	8.198753	8.163423	8.173934	8.184588	8.169472	8.156954	8.177943	8.161269	8.230019	8.211437	8.217043	8.249695	8.239399	8.205274
DLG1	cg1485871	0.088125	7.903609	3.551646	0.002662	0.008985	-2.49513	8.376125	8.372312	8.344184	8.330697	8.324166	8.41224	8.330494	8.35027	8.28879	8.382449	8.384926	8.404444	8.396639	8.394175	8.388843	8.432656
IKZF1	cg2664022	0.088424	7.415738	3.252777	0.005	0.015016	-2.96974	7.992032	8.007732	7.991837	8.019143	8.05563	8.049128	7.993874	8.000804	8.016033	8.024448	8.082631	8.084824	8.115106	8.056472	8.032518	8.017662
IQGAP2	cg0238767	0.088622	7.791774	8.330424	3.30E-07	6.63E-06	6.72232	8.27612	8.270688	8.264139	8.261709	8.267891	8.265512	8.261032	8.262725	8.258192	8.280806	8.335664	8.329809	8.316728	8.306364	8.339776	8.334188
LRMP	cg2371751	0.088653	7.395129	3.602286	0.002393	0.008224	-2.24038	7.988745	7.985196	8.014182	8.023406	8.044796	7.994969	7.979574	7.970972	8.008213	8.016889	8.068842	8.076306	8.081171	8.036868	8.028807	8.006105
CADM1	cg0274643	0.088663	7.633282	7.992332	5.67E-07	1.01E-05	6.206707	8.169911	8.165217	8.160845	8.166264	8.149159	8.172364	8.154241	8.151977	8.147038	8.156943	8.230095	8.201188	8.20343	8.197196	8.226177	8.212377
EBF3	cg2612163	0.088712	6.764975	4.706437	0.000239	0.001274	-0.1397	7.636906	7.620301	7.614968	7.630254	7.658113	7.603824	7.609986	7.633481	7.627871	7.635995	7.658018	7.702324	7.678008	7.664606	7.664215	7.670141
RASSF3	cg2630571	0.088722	7.932453	4.897392	0.000162	0.000928	0.310413	8.366704	8.371291	8.352982	8.418154	8.379682	8.380801	8.399517	8.358494	8.340883	8.340748	8.425219	8.425557	8.425614	8.447366	8.414416	8.400305
RARB	cg2678698	0.088723	7.102181	4.864329	0.000173	0.000984	0.398446	7.809627	7.797531	7.794354	7.830575	7.792565	7.806479	7.826791	7.837025	7.824477	7.814489	7.873071	7.847042	7.909963	7.896247	7.879513	7.858542
DCC	cg2166967	0.088731	7.44793	7.709911	9.01E-07	1.42E-05	5.761667	8.047179	8.047061	8.028587	8.052512	8.043755	8.027562	8.034328	8.03101	8.020432	8.029756	8.081462	8.089988	8.071984	8.103636	8.089934	8.075653
CHD5	cg1394090	0.088739	7.741368	2.805747	0.012703	0.031864	-3.9545	8.206881	8.208332	8.217405	8.256761	8.247966	8.257024	8.284466	8.201296	8.276755	8.160858	8.334716	8.285432	8.292127	8.313283	8.267256	8.255113
RAP1A	cg0358244	0.088768	7.562563	9.093075	1.03E-07	2.64E-06	7.968631	8.102745	8.093459	8.103111	8.096554	8.095428	8.122349	8.110926	8.116107	8.10956	8.11629	8.17684	8.179529	8.165595	8.17135	8.166978	8.169612
PAX6	cg0493854	0.088837	7.838511	2.793282	0.013034	0.032502	-4.02383	8.277823	8.3019	8.262163	8.251482	8.301896	8.356837	8.313589	8.292036	8.305742	8.304261	8.386329	8.38966	8.361967	8.302607	8.324419	8.433789
SH2B3	cg0805868	0.088907	7.784213	8.607925	2.14E-07	4.67E-06	7.168484	8.256673	8.237329	8.259121	8.267545	8.255083	8.260658	8.265792	8.273041	8.269817	8.247531	8.332665	8.314383	8.334617	8.326608	8.32105	8.324297
VSNL1	cg0357709	0.089075	7.199305	4.594319	0.0003	0.001529	-0.15171	7.883882	7.885362	7.886536	7.880593	7.842902	7.851943	7.884499	7.882991	7.856979	7.892588	7.910929	7.926903	7.906286	7.945069	7.957544	7.948279
FOXO1	cg0220216	0.089105	7.758988	5.011917	0.000128	0.00077	0.6214	8.250212	8.265715	8.263055	8.239987	8.258962	8.202739	8.256088	8.203487	8.253413	8.252529	8.304178	8.305716	8.284412	8.304971	8.307616	8.308493
BNIP3L	cg0246409	0.089573	6.903818	3.042736	0.007766	0.021353	-3.52335	7.711062	7.691732	7.690616	7.709043	7.718491	7.743976	7.676911	7.723392	7.679818	7.714404	7.788408	7.783142	7.706551	7.738437	7.765677	7.70248
THRB	cg2738891	0.089682	7.188812	4.598108	0.000298	0.00152	-0.14455	7.862283	7.875628	7.877242	7.895337	7.890321	7.889056	7.844195	7.854813	7.873835	7.878928	7.92819	7.954044	7.925927	7.902984	7.88467	7.901305
THBD	cg1018509	0.089762	7.530536	3.136746	0.006379	0.018234	-3.2315	8.095004	8.056496	7.996814	8.045884	8.077572	8.086901	8.108561	8.063006	8.098957	8.147637	8.183331	8.183323	8.183901	8.127127	8.145829	8.157092
VSNL1	cg2131241	0.089794	7.678722	7.27856	1.86E-06	2.52E-05	4.973362	8.170101	8.172277	8.1943	8.156652	8.201397	8.176279	8.185981	8.201202	8.185901	8.19912	8.246021	8.250869	8.262872	8.265463	8.247848	8.250012
PEG3	cg1977158	0.0898	7.501533	4.494853	0.000369	0.001811	-0.38343	8.056166	8.062651	8.050497	8.060037	8.092635	8.033832	8.070212	8.06642	8.108556	8.050239	8.164203	8.134807	8.115727	8.147283	8.110927	8.11963
RPS6KA2	cg0038092	0.090146	7.685501	5.494843	4.92E-05	0.000349	1.621377	8.185211	8.193058	8.182151	8.206823	8.209589	8.215842	8.163468	8.197212	8.205279	8.186843	8.260805	8.26524	8.267687	8.244287	8.242372	8.214635
EDNRB	cg1965015	0.090257	7.32138	4.051277	0.000929	0.003796	-1.29189	7.951325	7.964811	7.979854	7.933621	7.944296	7.929196	7.962009	7.96004	7.931327	7.958231	7.975421	8.016045	7.968672	8.04454	8.0201	8.027917
LSAMP	cg1568839	0.090288	7.005658	2.964244	0.009147	0.024391	-3.60669	7.764108	7.767388	7.73405	7.750201	7.777635	7.773351	7.732896	7.736112	7.804818	7.770949	7.817738	7.851819	7.836498	7.76257	7.770667	7.832819
TCF4	cg0464492	0.090314	7.840132	4.034824	0.000962	0.00391	-1.44522	8.32828	8.303642	8.326604	8.276919	8.364675	8.309599	8.326666	8.25241	8.304341	8.274547	8.366196	8.359106	8.329293	8.348713	8.372913	8.338452
SMAD4	cg1279368	0.090548	7.898702	6.990065	3.07E-06	3.79E-05	4.384792	8.327772	8.330144	8.344575	8.339116	8.357114	8.350036	8.333809	8.366473	8.340193	8.328392	8.416119	8.40562	8.403926	8.423046	8.409623	8.380229
PPP1R1B	cg1507051	0.090695	7.492013	5.017373	0.000127	0.000763	0.70116	8.068396	8.067019	8.065565	8.113481	8.064165	8.084953	8.049676	8.055594	8.069679	8.035673	8.131845	8.106998	8.118826	8.106587	8.127846	8.074425

DLG1	cg0775576	0.090764	7.778622	3.834089	0.001467	0.005493	-1.84509	8.230309	8.24429	8.256138	8.304717	8.285518	8.238268	8.233623	8.27316	8.28576	8.226758	8.339279	8.347444	8.314251	8.280394	8.320395	8.303479
RPS6KA2	cg2332722	0.090822	7.204375	3.318125	0.004357	0.013412	-2.82305	7.852313	7.895068	7.857209	7.918725	7.893143	7.889563	7.844251	7.876006	7.901047	7.883468	7.944696	7.957493	7.973172	7.907625	7.900584	7.899482
TBX5	cg0890010	0.090934	7.542832	8.178338	4.20E-07	7.92E-06	6.53076	8.10321	8.109785	8.105475	8.109166	8.125418	8.099016	8.07063	8.097701	8.083911	8.097696	8.156717	8.14869	8.15058	8.145083	8.144977	8.134817
PRDM5	cg2338747	0.090945	7.295142	7.027548	2.88E-06	3.59E-05	4.583263	7.936659	7.924196	7.946907	7.949113	7.927605	7.943516	7.909871	7.945901	7.93861	7.940603	7.995418	7.989592	7.996961	7.993278	7.98811	7.973451
FOXP1	cg0023979	0.090999	7.848046	10.16844	2.21E-08	7.87E-07	9.480936	8.300009	8.312476	8.306922	8.306662	8.312213	8.303884	8.313022	8.304052	8.288095	8.313753	8.357758	8.375575	8.367785	8.374187	8.369082	8.367075
PEG3	cg2168213	0.091052	6.693123	4.29932	0.000553	0.002496	-1.05267	7.575279	7.583	7.580158	7.612357	7.592829	7.612079	7.568463	7.583565	7.592809	7.598709	7.665145	7.638415	7.650842	7.617436	7.619302	7.600912
TANK	cg0554563	0.091074	6.716098	6.75769	4.64E-06	5.24E-05	3.866197	7.592201	7.613504	7.58714	7.603995	7.602598	7.592863	7.596795	7.589398	7.610815	7.609063	7.667474	7.646277	7.650775	7.655979	7.633381	7.63474
SRPX	cg2748564	0.091116	7.534874	4.012288	0.001008	0.004062	-1.39997	8.085905	8.085404	8.106896	8.105112	8.088147	8.100866	8.096983	8.042783	8.120132	8.088195	8.165673	8.166963	8.151138	8.172885	8.120238	8.101714
GRIN2A	cg1616072	0.091118	6.652083	10.07109	2.52E-08	8.81E-07	9.207772	7.569393	7.562474	7.568246	7.578432	7.575686	7.565717	7.560854	7.564891	7.570969	7.563721	7.613424	7.619389	7.613136	7.600035	7.603033	7.614248
TP53BP2	cg1597583	0.091151	7.551057	6.990283	3.07E-06	3.79E-05	4.488962	8.10999	8.083219	8.099493	8.079976	8.097494	8.089011	8.096824	8.092745	8.13137	8.100921	8.159697	8.178507	8.169639	8.154486	8.15901	8.170561
VPS53	cg0956107	0.091169	7.8352	4.001464	0.001032	0.004138	-1.51482	8.283574	8.288139	8.303616	8.365048	8.269987	8.343588	8.289848	8.289148	8.279221	8.297685	8.371449	8.370619	8.365736	8.324235	8.332337	8.351956
PLAGL1	cg1786560	0.091187	7.489582	5.722672	3.16E-05	0.000246	2.114015	8.037184	8.075736	8.036698	8.042973	8.05705	8.05864	8.054224	8.053477	8.074606	8.079268	8.124688	8.124574	8.149651	8.133975	8.095857	8.117891
MOB1B	cg0601642	0.09121	7.715255	4.556217	0.000325	0.001632	-0.30639	8.212768	8.203771	8.187508	8.234974	8.259219	8.208211	8.194456	8.209738	8.22606	8.206637	8.301076	8.284841	8.288045	8.249741	8.261248	8.243525
GPC5	cg0852378	0.091283	7.600529	4.156332	0.000746	0.003183	-1.11426	8.111721	8.103406	8.138773	8.144409	8.112881	8.15119	8.141122	8.13151	8.137405	8.142589	8.200534	8.187372	8.236695	8.207861	8.141285	8.220286
GSK3B	cg0497012	0.091322	7.799986	3.4736	0.003139	0.010245	-2.61574	8.27157	8.267456	8.248265	8.25282	8.213468	8.295175	8.255704	8.245247	8.278301	8.33989	8.363296	8.352744	8.358319	8.298593	8.362052	8.324636
NUAK1	cg2687759	0.091371	7.740319	5.875602	2.36E-05	0.000196	2.352894	8.220786	8.182795	8.22834	8.210917	8.249819	8.224748	8.231945	8.243198	8.226318	8.242021	8.300516	8.312711	8.306087	8.283502	8.310251	8.278946
RASSF1	cg2011930	0.091448	7.952266	7.360514	1.62E-06	2.26E-05	5.026324	8.409145	8.397201	8.377066	8.415149	8.395548	8.413175	8.369876	8.367993	8.381984	8.351732	8.436041	8.443388	8.438551	8.442109	8.430181	8.409203
PLXNC1	cg1188548	0.091476	7.41596	7.27946	1.86E-06	2.52E-05	5.021266	8.026202	8.020571	8.007458	8.00165	8.012524	7.995428	8.001854	8.00984	8.012218	8.027818	8.088014	8.059123	8.057553	8.078059	8.073604	8.069235
SPARCL1	cg1433438	0.091489	7.616875	5.686038	3.39E-05	0.000259	2.018569	8.155226	8.114546	8.158683	8.176161	8.139222	8.17418	8.133179	8.155858	8.142398	8.129425	8.212454	8.212668	8.198605	8.1843	8.201616	8.196918
MAPK10	cg0289882	0.09155	7.602807	7.169128	2.25E-06	2.93E-05	4.800482	8.148049	8.141568	8.146602	8.173735	8.127488	8.136335	8.113887	8.133624	8.132579	8.13745	8.207791	8.181887	8.19087	8.187266	8.1856	8.186941
RPS6KA2	cg0341186	0.091568	7.574415	5.220173	8.46E-05	0.000551	1.097821	8.118408	8.121152	8.110416	8.145753	8.103358	8.161498	8.093287	8.117583	8.104027	8.125727	8.182364	8.190699	8.172248	8.143635	8.170128	8.163705
PPARG	cg2194629	0.091597	6.850817	3.851391	0.001415	0.005332	-1.87845	7.718142	7.668737	7.657972	7.663193	7.70971	7.682889	7.658027	7.681878	7.653186	7.675535	7.686061	7.723766	7.73864	7.741168	7.693002	7.71391
MRVI1	cg0875896	0.091641	6.774025	3.633243	0.002241	0.007798	-2.38969	7.616887	7.610294	7.627685	7.645941	7.646234	7.648026	7.608768	7.618327	7.646808	7.648824	7.695202	7.696642	7.720777	7.649724	7.657031	7.651772
PLAGL1	cg1787055	0.091745	7.92821	6.709839	5.05E-06	5.60E-05	3.86321	8.362777	8.388146	8.396144	8.354933	8.368779	8.359409	8.335807	8.37279	8.346191	8.375584	8.413084	8.420356	8.411357	8.425114	8.437038	8.430689
DCDC2	cg1406996	0.091784	7.740426	4.766145	0.000211	0.001153	0.122746	8.234009	8.227827	8.224723	8.287735	8.252989	8.209658	8.209344	8.228022	8.236354	8.221794	8.287291	8.289171	8.322652	8.27781	8.269046	8.274572
CDH5	cg0541091	0.091809	7.402103	5.162009	9.50E-05	0.000608	1.004958	7.986179	8.006395	7.993436	7.993311	8.000119	8.003096	8.014129	8.00846	8.025706	7.978428	8.089506	8.051179	8.04746	8.07875	8.088302	8.033405
MTSS1	cg0354686	0.091986	6.803721	3.516546	0.002867	0.009523	-2.61335	7.62671	7.659592	7.65736	7.657061	7.654341	7.649701	7.62544	7.630116	7.662854	7.662735	7.738882	7.732958	7.652507	7.688549	7.676419	7.673876
MTSS1	cg0415247	0.092026	7.331874	5.265424	7.73E-05	0.00051	1.220796	7.956557	7.969303	7.936767	7.962237	7.976521	7.994053	7.950427	7.955802	7.965935	7.94224	8.01391	8.033245	8.023315	8.013616	7.995877	7.983517
ROBO1	cg2489563	0.092073	6.775477	3.745875	0.001767	0.006404	-2.14341	7.587528	7.60667	7.609401	7.641198	7.640308	7.637781	7.659483	7.616807	7.637848	7.642119	7.697103	7.718083	7.706089	7.669939	7.655378	7.677541
SIK1	cg2211599	0.09214	6.7827	5.084757	0.000111	0.000686	0.65965	7.627301	7.627063	7.625946	7.596925	7.634985	7.654017	7.627709	7.637202	7.651582	7.646818	7.688332	7.690115	7.70798	7.689318	7.663066	7.696495
NFATC1	cg2544768	0.092163	7.590208	5.547716	4.44E-05	0.00032	1.749423	8.115181	8.125603	8.109036	8.109367	8.117736	8.170764	8.12654	8.13482	8.123196	8.128059	8.179787	8.205623	8.200128	8.201219	8.168012	8.180842
ZMYND11	cg0484554	0.092178	7.447062	5.461572	5.25E-05	0.000369	1.603679	8.037915	8.022483	8.036794	8.037342	8.046201	8.032641	8.012056	8.037463	8.058682	8.011866	8.096368	8.101499	8.093888	8.092231	8.05015	8.099093
ST7	cg0619327	0.092192	6.697706	6.504822	7.31E-06	7.47E-05	3.382274	7.578418	7.597656	7.576467	7.591624	7.589964	7.599303	7.588638	7.586409	7.593048	7.597957	7.653197	7.651455	7.632835	7.641421	7.644115	7.607601
MRVI1	cg0205237	0.092278	7.463979	6.78687	4.40E-06	5.05E-05	4.13604	8.047674	8.064244	8.060832	8.058392	8.047168	8.044611	8.030452	8.037938	8.02541	8.052727	8.084185	8.096248	8.101297	8.069315	8.109737	8.113716
PLCE1	cg2106655	0.09229	6.747458	6.914079	3.51E-06	4.23E-05	4.174941	7.623095	7.625835	7.601078	7.608923	7.608942	7.625042	7.611455	7.613535	7.617066	7.628853	7.682885	7.648033	7.672872	7.675035	7.662246	7.651992
ITGA7	cg1916079	0.092534	6.749326	3.22103	0.005345	0.015829	-3.26712	7.589334	7.588025	7.635819	7.607119	7.667454	7.611281	7.639002	7.640665	7.59084	7.605128	7.639523	7.657091	7.698537	7.678003	7.655531	7.671785
DCDC2	cg1642710	0.092613	7.694478	3.289456	0.004628	0.014085	-2.96159	8.186997	8.179976	8.174378	8.171622	8.150135	8.183443	8.168967	8.174924	8.289446	8.214937	8.280877	8.314745	8.288897	8.257288	8.235969	8.272169
SMAD4	cg1128392	0.092735	6.996288	2.625105	0.018394	0.042889	-4.28374	7.768231	7.750024	7.716056	7.749768	7.809283	7.732862	7.766457	7.781747	7.710935	7.763942	7.771551	7.776418	7.866631	7.81845	7.776515	7.838377
DLG1	cg2413518	0.092844	7.818772	3.27639	0.004757	0.01444	-3.03068	8.255288	8.375863	8.256238	8.26377	8.275207	8.277969	8.277099	8.306259	8.280589	8.274816	8.342943	8.324319	8.334748	8.363441	8.400179	8.331535
ROBO1	cg0647821	0.09289	7.513072	4.447083	0.000407	0.001964	-0.48559	8.049664	8.065955	8.04023	8.101338	8.088932	8.044761	8.091925	8.083394	8.081222	8.068531	8.167374	8.127622	8.160627	8.15816	8.135453	8.101953
RB1CC1	cg0518291	0.092991	6.673445	4.42239	0.000428	0.002044	-0.81517	7.597606	7.586732	7.564875	7.565085	7.605903	7.609871	7.568478	7.586713	7.561922	7.568412	7.590392	7.621099	7.646718	7.619155	7.633875	7.597339
NRF1	cg1301807	0.093063	6.640326	4.484253	0.000377	0.001844	-0.71199	7.553292	7.563474	7.559924	7.545617	7.591207	7.592045	7.57188	7.555499	7.548979	7.548937	7.618217	7.605881	7.595263	7.596085	7.571314	7.628587
TCF4	cg0329335	0.093081	7.871156	4.839508	0.000182	0.001025	0.21701	8.310755	8.319661	8.338192	8.291801	8.313978	8.346603	8.322176	8.301808	8.333792	8.33161	8.394213	8.393021	8.391046	8.342851	8.379898	8.427637
MAPK10	cg0504542	0.093101	7.22983	3.061421	0.007468	0.020699	-3.35024	7.881743	7.867368	7.874461	7.862893	7.90161	7.892021	7.902089	7.882087	7.855398	7.973382	7.942863	7.955797	8.015894	7.961281	7.94191	7.938249
RARRES3	cg1389909	0.093143	7.782572	8.322474	3.34E-07	6.67E-06	6.710812	8.25656	8.258905	8.251274	8.244223	8.251495	8.255889	8.252988	8.245436	8.268368	8.28216	8.329542	8.335131	8.332324	8.335598	8.318899	8.309208
MCC	cg2312010	0.093353	7.544659	6.104927	1.53E-05	0.000138	2.847894	8.103928	8.090115	8.091599	8.077686	8.127883	8.103152	8.102749	8.081207	8.083519	8.109424	8.166408	8.1547	8.156772	8.128619	8.157499	8.168247
MYH9	cg0027724	0.093376	7.579747	2.59902	0.019396	0.044698	-4.31442	8.124457	8.106852	8.082024	8.15528	7.992412	8.151765	8.116224	8.148333	8.146567	8.11	8.153761	8.207742	8.205567	8.187242	8.192781	8.206422
MAL	cg1587946	0.093379	7.636011	6.677741	5.35E-06	5.86E-05	3.904437	8.158451	8.145408	8.172082	8.150834	8.173742	8.16908	8.157908	8.135426	8.171305	8.155489	8.215767	8.234486	8.224529	8.196223	8.203924	8.230351
CHD5	cg1557864	0.093421	7.280033	6.16049	1.38E-05	0.000127	2.981449	7.927076	7.942796	7.928838	7.912618	7.934728	7.920954	7.943972	7.918952	7.905818	7.926455	7.974457	7.950412	7.982175	7.990121	7.996441	7.991725
FOXP1	cg1237123	0.093549	7.517628	3.181241	0.00581	0.016883	-3.13667	8.052875	8.038702	8.040537	8.0538	8.121161	8.028981	8.152608	8.05323	8.0567	8.104218	8.173501	8.162067	8.134686	8.152075	8.16944	8.124217
DCUN1D3	cg1973478	0.09371	7.655036	7.515691	1.25E-06	1.84E-05	5.394854	8.16395	8.179143	8.184199	8.168419	8.178008	8.199898	8.174207	8.154846	8.164307	8.167543	8.238123	8.233056	8.225914	8.202777	8.238518	8.230764
THSD1	cg1432425	0.093818	7.024987	6.997201	3.04E-06	3.77E-05	4.493387	7.778508	7.773314	7.766372	7.767806	7.754415	7.755941	7.77855	7.774346	7.770558	7.775185	7.813592	7.828537	7.81524	7.859198	7.821996	7.829597
LRMP	cg2384287	0.093831	7.770627	5.775586	2.86E-05	0.000228	2.150759	8.227012	8.306392	8.24727	8.245322	8.244099	8.258946	8.244919	8.241499	8.247061	8.256579	8.309821	8.311826	8.308075	8.302807	8.328945	8.312149
PRDM5	cg1564659	0.094066	7.798141	6.209482	1.26E-05	0.000118	2.980616	8.2798	8.272248	8.271037	8.262936	8.293289	8.264513	8.277678	8.286744	8.257149	8.245635	8.30691	8.328987	8.331062	8.35469	8.317385	8.353846
SPI1	cg2423414	0.094091	7.838441	5.636025	3.74E-05	0.000279	1.850356	8.31175	8.327457	8.288541	8.33645	8.262713	8.332465	8.286378	8.290094	8.284047	8.302875	8.363326	8.360415	8.355458	8.354047	8.346639	8.360094
PTPRK	cg1237191	0.094092	7.279401	4.089955	0.000857	0.003558	-1.20907	7.907131	7.893789	7.905026	7.915128	7.909685	7.892315	7.925371	7.915321	7.944466	7.9646	8.019951	8.013081	7.992608	8.014959	8.000349	7.931443
TCF4	cg0616686	0.094156	7.668241	5.111483	0.000105	0.000659	0.851243	8.177686	8.161079	8.189206	8.171828	8.168879	8.19783	8.164225	8.186606	8.189045	8.180909	8.225303	8.261607	8.259131	8.282001	8.207363	8.227786
DAPK1	cg1973422	0.094164	7.182844	2.900044	0.010452	0.027191	-3.67653	7.842719	7.826867	7.860206	7.865829	7.863881	7.858366	7.824465	7.883287	7.903401	7.880298	7.91976	7.952712	7.984361	7.959595	7.866769	7.892282
MME	cg1956456	0.094252	7.808822	5.467317	5.19E-05	0.000365	1.528361	8.271491	8.283848	8.291855	8.290631	8.307584	8.306303	8.238812	8.295915	8.243251	8.294328	8.349289	8.342661	8.337753	8.308855	8.333912	8.328471
ZBTB7C	cg1607826	0.094268	6.930524	3.120418	0.006601	0.018729	-3.34408	7.724037	7.681838	7.724333	7.73027	7.73266	7.733212	7.693683	7.696442	7.734036	7.735769	7.81503	7.738455	7.821007	7.748937	7.738714	7.739891
ZBTB7C	cg0699402	0.094336	6.682442	6.467004	7.83E-06	7.92E-05	3.294829	7.57326	7.575024	7.605261	7.590707	7.587367	7.590363	7.567389	7.573261	7.590371	7.585869	7.633433	7.625444	7.646807	7.628311	7.606133	7.620978
IQGAP2	cg2352605	0.094502	7.38218	4.380575	0.000467	0.002187	-0.60576	7.98557	7.988234	7.970701	7.981628	8.011265	8.005943	7.972882	7.982898	7.973862	8.026917	8.062623	8.048248	8.084507	8.028676	8.056769	8.010639
PRKCB	cg2655573	0.094938	7.287293	4.878427	0.000168	0.00096	0.4344	7.901907	7.931281	7.916732	7.9468	7.919679	7.963938	7.944239	7.920721	7.919332	7.932392	8.001811	7.992873	8.005552	7.997224	7.954346	7.972706
CHD5	cg2488671	0.095019	7.727924	6.638618	5.74E-06	6.20E-05	3.806753	8.190688	8.227122	8.214538	8.212139	8.209409	8.238405	8.253404	8.207924	8.217081	8.213999	8.293	8.288006	8.283826	8.303795	8.279507	8.280837
SPRY4	cg0703772	0.095102	7.241964	3.678977	0.002035	0.0072	-2.07067	7.885986	7.880747	7.88227	7.923196	7.907333	7.905583	7.885651	7.892625	7.92125	7.914816	7.981105	8.003348	7.969843	7.914424	7.981967	7.917751
LXN	cg0826364	0.095118	7.710331	8.392877	2.99E-07	6.13E-06	6.845634	8.22744	8.218991	8.208517	8.215835	8.215885	8.205267	8.199334	8.195826	8.229275	8.189962	8.265147	8.267941	8.278194	8.273259	8.259105	8.266249
MTUS1	cg1578329	0.095133	7.833148	5.969267	1.98E-05	0.00017	2.500774	8.286434	8.288157	8.30867	8.311405	8.255171	8.277133	8.28451	8.303394	8.307158	8.29534	8.341314	8.36376	8.377331	8.364313	8.348601	8.390701
DCN	cg1556998	0.09517	7.825403	7.16293	2.27E-06	2.96E-05	4.724098	8.282688	8.292147	8.281736	8.292569	8.268063	8.279544	8.266671	8.322294	8.291977	8.286453	8.34859	8.356159	8.358519	8.360659	8.348124	8.378529
PPARG	cg0260595	0.095225	7.57735	5.734322	3.09E-05	0.000242	2.121904	8.15048	8.117905	8.122159	8.115331	8.121589	8.104005	8.120187	8.104239	8.137665	8.096886	8.165409	8.195584	8.1596	8.161689	8.203745	8.179695
AJAP1	cg1393199	0.095437	7.627715	6.012128	1.82E-05	0.000159	2.651642	8.148531	8.198741	8.152306	8.160419	8.137554	8.148551	8.141603	8.138207	8.168397	8.142066	8.226625	8.190908	8.207806	8.219029	8.207121	8.216354
TP53BP2	cg0594412	0.095473	7.779827	3.247625	0.005054	0.015148	-3.06965	8.273384	8.285877	8.304912	8.187009	8.2886	8.27238	8.266179	8.229625	8.28126	8.219002	8.296703	8.319271	8.278171	8.361344	8.33051	8.303706
CUX1	cg0314181	0.095583	7.862554	8.86959	1.44E-07	3.46E-06	7.551996	8.31883	8.302958	8.307235	8.308575	8.285879	8.327105	8.325976	8.311966	8.32642	8.309555	8.389434	8.371917	8.393012	8.387643	8.384788	8.38868
UNC5D	cg0642758	0.095614	7.496735	6.477181	7.69E-06	7.80E-05	3.559036	8.058129	8.036398	8.068559	8.056012	8.055339	8.079303	8.073697	8.081385	8.044933	8.066446	8.116173	8.136596	8.129424	8.135975	8.107892	8.145898
TRIM13	cg1127940	0.095747	7.737135	3.917136	0.001232	0.00477	-1.65796	8.193668	8.217527	8.205593	8.212264	8.268511	8.228357	8.190883	8.279401	8.245306	8.203713	8.316632	8.29739	8.305292	8.294127	8.25718	8.302189
PLAGL1	cg0929339	0.095774	7.803653	5.625792	3.81E-05	0.000284	1.840848	8.254157	8.260986	8.261458	8.263116	8.299765	8.271728	8.27358	8.258107	8.269315	8.301246	8.356236	8.346993	8.368719	8.348927	8.320068	8.313007
TBX5	cg0818415	0.096015	7.752059	7.136868	2.38E-06	3.06E-05	4.708223	8.258731	8.25298	8.279108	8.22832	8.25632	8.256653	8.208416	8.22032	8.245941	8.227646	8.283489	8.294372	8.29489	8.296645	8.277113	8.301982
HIVEP3	cg1249348	0.096079	7.741149	6.816827	4.17E-06	4.85E-05	4.129309	8.229503	8.226602	8.238739	8.214081	8.206296	8.210279	8.221976	8.215236	8.240155	8.258762	8.282469	8.297721	8.320586	8.293251	8.296567	8.309932
SH3GLB1	cg1062526	0.09616	7.081449	4.621926	0.000284	0.00146	-0.11424	7.798503	7.82283	7.795672	7.78855	7.827022	7.83867	7.787147	7.789204	7.819868	7.801343	7.878422	7.864518	7.864029	7.843653	7.863021	7.815708
BNIP3L	cg0170656	0.096209	7.477448	4.444566	0.000409	0.001973	-0.48454	8.037683	8.039923	8.020049	8.083844	8.041361	8.030497	8.058556	8.03499	8.051725	8.079568	8.131118	8.12467	8.147714	8.134987	8.092299	8.079921
TGFBR3	cg0133616	0.096257	7.704005	5.655611	3.60E-05	0.000271	1.935128	8.207764	8.196733	8.221029	8.208919	8.228328	8.183397	8.1717	8.189665	8.218851	8.222774	8.288096	8.262773	8.281168	8.251739	8.247431	8.266135
CUX1	cg1272067	0.096368	7.705704	6.520664	7.10E-06	7.31E-05	3.59483	8.216478	8.197571	8.174268	8.211353	8.208048	8.204998	8.209992	8.204627	8.178765	8.23022	8.283397	8.265359	8.280634	8.252036	8.27518	8.272778
MYH9	cg1126881	0.096548	6.901064	2.684748	0.016287	0.038973	-4.22544	7.682503	7.638989	7.666325	7.693944	7.707405	7.696634	7.707811	7.67306	7.7133	7.754061	7.791001	7.81713	7.783342	7.701383	7.728402	7.769607
EYA4	cg1481754	0.096619	7.510797	2.878608	0.010927	0.02819	-3.7485	8.050047	8.047783	8.047028	8.053108	8.033817	8.095399	8.093838	8.148035	8.036946	8.057454	8.061967	8.169697	8.14828	8.16557	8.167518	8.169735
KLF5	cg1296003	0.09665	7.428673	6.685179	5.28E-06	5.80E-05	3.95288	8.003761	8.000795	8.021182	8.054177	8.01775	8.010997	8.019327	8.024675	8.014354	8.020032	8.079227	8.085273	8.100514	8.074213	8.078233	8.069823
IQGAP2	cg0120114	0.096658	7.080552	3.107822	0.006777	0.019135	-3.27376	7.767401	7.803448	7.764776	7.832824	7.825017	7.814509	7.790862	7.791507	7.816093	7.82055	7.916375	7.887072	7.876362	7.822846	7.845215	7.817426
RNH1	cg0556737	0.09701	7.808414	9.612775	4.81E-08	1.46E-06	8.694901	8.277956	8.27687	8.280386	8.271797	8.272736	8.272867	8.266105	8.277168	8.293889	8.267809	8.327914	8.351371	8.352477	8.33477	8.351209	8.345417
VPS53	cg0676537	0.097124	7.927471	7.144937	2.35E-06	3.03E-05	4.650874	8.372957	8.372411	8.372935	8.346466	8.341814	8.377611	8.347505	8.352386	8.384548	8.351547	8.430227	8.423877	8.424139	8.434591	8.409085	8.448071
MADD	cg1647917	0.097132	6.709674	7.807401	7.67E-07	1.26E-05	5.719248	7.607139	7.578635	7.588036	7.595661	7.595598	7.601698	7.593	7.59306	7.60538	7.595432	7.639171	7.650632	7.666337	7.644708	7.632039	7.645808
IGF2R	cg0118850	0.097407	7.650941	3.893992	0.001293	0.004985	-1.67702	8.14318	8.198388	8.182768	8.155703	8.190605	8.187171	8.175135	8.127554	8.170967	8.169953	8.205678	8.238374	8.259172	8.164889	8.237175	8.253369
APC	cg1645102	0.097462	7.699226	8.8635	1.45E-07	3.47E-06	7.591915	8.19162	8.20903	8.207763	8.197283	8.206206	8.203491	8.188918	8.186547	8.206656	8.209832	8.266884	8.258647	8.285062	8.252705	8.259343	8.263034
PPARG	cg2619700	0.09747	7.825995	4.795459	0.000199	0.001097	0.145372	8.259431	8.264459	8.269585	8.310087	8.298783	8.27596	8.2804	8.280184	8.315218	8.297647	8.378459	8.389688	8.384095	8.327076	8.32573	8.365762
SLIT2	cg0978194	0.097535	7.311251	2.890633	0.010658	0.027614	-3.69719	7.956206	7.960457	7.942264	7.974717	8.00588	7.913621	7.938372	7.934492	7.95645	7.910968	7.992152	8.003667	8.013606	8.053676	7.912164	7.99707
CNDP2	cg0775980	0.097613	6.702335	5.07526	0.000113	0.000696	0.572804	7.582882	7.587055	7.592701	7.601545	7.615819	7.574939	7.577453	7.596154	7.603694	7.589091	7.646609	7.623998	7.6778	7.651554	7.619638	7.629291
DCN	cg2652170	0.097649	7.725566	4.770133	0.000209	0.001145	0.136609	8.209873	8.219612	8.225623	8.291358	8.208204	8.239237	8.198649	8.219376	8.202902	8.2161	8.274481	8.302591	8.291076	8.27059	8.248616	8.268559
PEG3	cg0247802	0.097726	7.886786	8.537454	2.39E-07	5.04E-06	7.020078	8.341942	8.329999	8.340614	8.342801	8.313974	8.31126	8.332432	8.321402	8.336317	8.338865	8.392671	8.404004	8.396706	8.392425	8.402014	8.421402
STARD13	cg0067268	0.097803	7.453725	6.482436	7.62E-06	7.74E-05	3.574704	8.026922	8.033087	8.025295	8.032589	8.039911	8.031258	8.038195	8.045552	8.005042	8.059963	8.095284	8.095437	8.101654	8.115606	8.116487	8.075141
FAS	cg1348277	0.097835	7.234526	3.159832	0.006077	0.017533	-3.1493	7.925272	7.859688	7.875907	7.892564	7.852914	7.923143	7.893159	7.87148	7.901729	7.937443	7.988886	7.973048	7.964433	7.997511	7.903434	7.934718
PGR	cg1668858	0.09788	7.270223	5.958641	2.02E-05	0.000172	2.59406	7.906956	7.91019	7.928736	7.901844	7.919182	7.940446	7.906593	7.940927	7.916002	7.909793	7.999079	7.957967	7.968125	7.99397	7.987812	7.961817
MAP3K8	cg2563919	0.09789	6.87836	4.395806	0.000453	0.00214	-0.70059	7.690481	7.679204	7.69452	7.676369	7.648329	7.661933	7.678115	7.693426	7.68819	7.717991	7.774987	7.724193	7.722091	7.726496	7.771158	7.768107
FLT3	cg1825685	0.097937	6.726037	8.32334	3.34E-07	6.67E-06	6.58699	7.601641	7.606811	7.611444	7.619399	7.598411	7.612466	7.587967	7.602448	7.616769	7.600746	7.653036	7.660822	7.662443	7.642188	7.642264	7.653039
CNDP2	cg0582616	0.098069	6.921029	4.259453	0.000601	0.002676	-0.96348	7.682393	7.684187	7.717638	7.709701	7.738043	7.719714	7.736474	7.686302	7.716209	7.711266	7.770292	7.778064	7.796437	7.741546	7.770644	7.742203
SMAD4	cg2427232	0.098083	7.687335	2.689405	0.016133	0.038676	-4.16447	8.172208	8.141189	8.180672	8.245537	8.167245	8.290978	8.191996	8.185055	8.176506	8.192887	8.300901	8.286485	8.269955	8.215961	8.207502	8.23907
THRB	cg1754710	0.098131	7.694986	3.174163	0.005897	0.017096	-3.19569	8.169264	8.145948	8.174018	8.262866	8.162461	8.226097	8.208614	8.19296	8.238928	8.162512	8.295769	8.295582	8.2857	8.245873	8.245185	8.23742
FOXP1	cg2628177	0.098288	7.880785	4.390227	0.000458	0.002154	-0.71285	8.335909	8.35053	8.396738	8.364413	8.400207	8.311913	8.292357	8.316662	8.300843	8.319917	8.376878	8.380234	8.376871	8.414484	8.350329	8.361166
PYHIN1	cg2546478	0.098442	6.989766	4.362504	0.000485	0.002252	-0.69825	7.732007	7.734627	7.716357	7.770526	7.748561	7.757525	7.752136	7.738769	7.773924	7.752112	7.829102	7.841461	7.824409	7.804928	7.779236	7.779584
ROBO1	cg0661952	0.098516	6.772316	6.765101	4.57E-06	5.21E-05	3.913174	7.65002	7.657605	7.621701	7.628184	7.62996	7.647902	7.622578	7.624912	7.619379	7.62451	7.660159	7.687783	7.66096	7.687778	7.662308	7.686435
ROBO1	cg1163069	0.098664	7.837348	3.940862	0.001172	0.004582	-1.64808	8.276865	8.246474	8.300798	8.284913	8.369075	8.288633	8.315346	8.319652	8.284661	8.268401	8.362522	8.377634	8.375299	8.372596	8.376665	8.332733
NUAK1	cg2006068	0.098666	7.53666	4.050787	0.00093	0.003798	-1.31999	8.071658	8.059001	8.091405	8.116247	8.100089	8.109157	8.09987	8.06122	8.122007	8.070382	8.182333	8.147703	8.196678	8.124703	8.138717	8.127927
LRRC3B	cg0349554	0.098719	7.223873	4.743324	0.000221	0.001198	0.157344	7.896725	7.900934	7.894452	7.876768	7.951807	7.888243	7.891666	7.891056	7.855212	7.890472	7.923988	7.926793	7.961948	7.933125	7.952508	7.950249
PCDH9	cg1506735	0.098736	7.801092	4.551671	0.000328	0.001645	-0.34868	8.251249	8.269647	8.243274	8.235958	8.304041	8.294541	8.265601	8.271396	8.257069	8.296781	8.340531	8.358286	8.367246	8.343231	8.347379	8.292729
PLAGL1	cg2148657	0.098771	7.873424	9.846978	3.45E-08	1.12E-06	9.014548	8.3275	8.333802	8.328502	8.302236	8.318978	8.319292	8.319227	8.323739	8.318999	8.324163	8.373585	8.389489	8.387756	8.402502	8.400271	8.394574
CABLES1	cg0901429	0.098861	7.842814	4.599342	0.000297	0.001517	-0.26803	8.269223	8.290059	8.29803	8.299921	8.296403	8.334966	8.288954	8.361536	8.292224	8.261226	8.368937	8.37176	8.358891	8.355799	8.388384	8.378026
LIMA1	cg0185494	0.098913	7.069242	4.295125	0.000558	0.002513	-0.80387	7.816124	7.807905	7.786539	7.815505	7.809816	7.801161	7.756818	7.774227	7.812125	7.818443	7.885795	7.860665	7.856007	7.836437	7.825661	7.818826
AKR1B1	cg0686485	0.098934	7.202793	5.463538	5.23E-05	0.000368	1.62176	7.892598	7.889736	7.881374	7.861671	7.865906	7.885494	7.885341	7.880904	7.853472	7.878167	7.906318	7.902038	7.946797	7.952005	7.945193	7.950396
CMTM5	cg1629072	0.098947	7.433152	4.910775	0.000157	0.000908	0.490428	8.012359	8.015946	8.058111	8.039223	8.025256	8.087256	8.011949	7.999718	8.021533	8.008826	8.098983	8.079029	8.082081	8.066416	8.061415	8.05265
SSBP2	cg0203643	0.099034	7.904963	5.41872	5.71E-05	0.000395	1.382286	8.361011	8.367395	8.341593	8.325482	8.340359	8.332229	8.301216	8.37995	8.361462	8.333101	8.395401	8.40093	8.419204	8.411563	8.435467	8.423157
DKK3	cg1277821	0.099072	7.863616	5.316548	6.99E-05	0.000469	1.1978	8.31796	8.319881	8.320868	8.287963	8.297851	8.37663	8.314063	8.321281	8.32484	8.284683	8.39132	8.372314	8.369082	8.386844	8.389944	8.376578
LIMD1	cg2371362	0.099182	7.583351	5.873023	2.37E-05	0.000197	2.389303	8.091271	8.117118	8.091471	8.141064	8.074687	8.128539	8.121487	8.133882	8.13979	8.118242	8.199659	8.197095	8.205274	8.192984	8.174885	8.195749
RASSF3	cg2283123	0.099201	7.800368	7.736559	8.62E-07	1.38E-05	5.734159	8.266827	8.256006	8.269266	8.283811	8.299675	8.277086	8.278319	8.273883	8.241085	8.271754	8.337722	8.340749	8.341975	8.32118	8.335875	8.333991
WWOX	cg0667860	0.099676	7.733125	5.755987	2.97E-05	0.000234	2.123602	8.187938	8.239239	8.229781	8.21816	8.234765	8.243324	8.220406	8.217571	8.254157	8.191416	8.305182	8.283682	8.300683	8.284919	8.286012	8.274567
AJAP1	cg1247575	0.099792	7.85034	13.37959	4.27E-10	4.28E-08	13.49912	8.309275	8.30528	8.30347	8.309839	8.307908	8.301218	8.30409	8.304395	8.307852	8.300068	8.375471	8.374682	8.373943	8.381033	8.376955	8.363762

MAPK10	cg0121640	0.099845	7.734887	4.924712	0.000153	0.000888	0.447133	8.226315	8.200748	8.251476	8.190378	8.190732	8.233329	8.194544	8.214849	8.255896	8.250115	8.302989	8.302225	8.303833	8.269735	8.312604	8.293082
CABLES1	cg0691404	0.099855	7.119602	3.316556	0.004372	0.013442	-2.8336	7.805593	7.804803	7.804208	7.838879	7.849883	7.845807	7.807109	7.804734	7.852307	7.842316	7.930484	7.900485	7.928252	7.850721	7.849659	7.852035
PACRG	cg2129358	0.099987	6.66201	9.259996	8.02E-08	2.15E-06	8.020481	7.575287	7.565675	7.567295	7.571424	7.571801	7.572233	7.561247	7.5643	7.578791	7.576512	7.618778	7.639919	7.621443	7.61976	7.618906	7.604662
ARNTL	cg0649965	0.100077	7.444829	5.768872	2.89E-05	0.00023	2.212902	8.061885	8.036999	8.029838	8.035258	8.050363	8.065281	8.014416	8.0064	8.045351	8.005965	8.087861	8.084703	8.09976	8.101466	8.062092	8.055288
TANK	cg0002165	0.100247	7.678081	3.418765	0.003524	0.011271	-2.68517	8.153074	8.16394	8.151742	8.166757	8.196505	8.211098	8.175224	8.181599	8.217452	8.189209	8.281836	8.280443	8.287515	8.228561	8.179763	8.297328
CDKN1C	cg0454837	0.100351	6.792673	3.737051	0.0018	0.006503	-2.16032	7.622795	7.621091	7.664984	7.659177	7.64732	7.660626	7.61858	7.613474	7.652949	7.658763	7.723548	7.680194	7.729799	7.675929	7.660904	7.662233
ABCG2	cg1270626	0.100479	7.418826	9.073732	1.06E-07	2.70E-06	7.955373	8.012058	8.01317	8.015409	7.993516	8.010277	8.005252	8.0021	8.017919	8.010349	8.024867	8.06845	8.086227	8.067016	8.072593	8.081839	8.090661
ZMYND11	cg1623027	0.100525	7.639816	6.748726	4.71E-06	5.31E-05	4.034933	8.162488	8.166157	8.178378	8.165888	8.204207	8.142764	8.131449	8.167223	8.144613	8.161826	8.214864	8.225437	8.225758	8.219917	8.212121	8.213662
CADM1	cg1310522	0.100582	7.412678	4.46197	0.000395	0.001912	-0.43861	8.003305	7.976737	8.003767	8.029068	8.006971	8.046983	8.008573	7.998672	7.980403	8.035604	8.076198	8.098339	8.091501	8.064627	8.049424	8.037994
UVRAG	cg1608316	0.100648	7.943492	7.590348	1.10E-06	1.66E-05	5.427635	8.383918	8.416083	8.366264	8.372143	8.367506	8.39913	8.365003	8.359549	8.358647	8.372435	8.434316	8.43417	8.42988	8.454579	8.420286	8.44259
NFATC1	cg2127786	0.100654	7.559605	6.76024	4.61E-06	5.23E-05	4.070618	8.091927	8.089275	8.080697	8.095624	8.114541	8.117338	8.112343	8.118167	8.120409	8.080147	8.184812	8.177695	8.177192	8.18423	8.151206	8.169967
DLC1	cg1057493	0.100838	7.018658	3.400126	0.003666	0.011607	-2.70357	7.753585	7.737402	7.734222	7.792695	7.783448	7.773028	7.764117	7.741074	7.795076	7.774549	7.853076	7.870553	7.850351	7.808388	7.790442	7.784394
EPB41L3	cg0522817	0.100906	7.521678	5.957963	2.02E-05	0.000172	2.569258	8.076332	8.103409	8.072887	8.097602	8.089521	8.072246	8.039901	8.087084	8.083061	8.090347	8.159944	8.152329	8.142473	8.118021	8.147882	8.124526
EMP2	cg2596872	0.101082	7.623408	7.876585	6.85E-07	1.16E-05	6.014063	8.159195	8.156375	8.130407	8.160272	8.129051	8.122824	8.140904	8.14353	8.164287	8.14875	8.224967	8.208632	8.215021	8.211062	8.221259	8.221461
RB1CC1	cg1889257	0.101121	7.116994	3.350687	0.004068	0.012666	-2.76316	7.783566	7.826147	7.797311	7.83795	7.837634	7.842439	7.778058	7.848667	7.83646	7.841549	7.907793	7.898981	7.932556	7.874118	7.851213	7.847981
PDS5B	cg1592171	0.101162	7.826818	9.268414	7.92E-08	2.13E-06	8.180576	8.300165	8.322019	8.288201	8.299389	8.308232	8.306528	8.2973	8.276925	8.271268	8.267024	8.34539	8.343227	8.342811	8.353414	8.362993	8.344788
GJA1	cg0410425	0.101176	7.873628	5.207652	8.67E-05	0.000562	0.970444	8.285001	8.340165	8.324861	8.351257	8.322028	8.296636	8.313197	8.337248	8.323231	8.313547	8.4003	8.376695	8.407583	8.378502	8.365494	8.432202
AKAP12	cg1303389	0.101199	7.795466	5.389281	6.05E-05	0.000416	1.377128	8.278349	8.269961	8.325426	8.264073	8.275971	8.277387	8.226249	8.273026	8.23562	8.289842	8.317612	8.333769	8.312563	8.345622	8.33257	8.315661
PLAGL1	cg0309499	0.101217	7.478913	4.821494	0.000189	0.001053	0.29938	8.056854	8.05429	8.05316	8.032098	8.067365	8.065956	8.026558	8.055172	8.069998	8.040685	8.104309	8.139259	8.11386	8.143892	8.060598	8.119318
TOM1L2	cg0209760	0.101234	7.798497	9.185645	8.94E-08	2.34E-06	8.061434	8.267837	8.256393	8.276724	8.283802	8.252942	8.280661	8.278053	8.26041	8.273596	8.254786	8.345898	8.337723	8.33188	8.32869	8.332061	8.346764
RUNX3	cg0110442	0.101604	7.778342	8.859329	1.46E-07	3.49E-06	7.567351	8.262292	8.258796	8.274037	8.262854	8.254343	8.264032	8.228327	8.267806	8.241648	8.254774	8.315049	8.324579	8.309812	8.328516	8.303628	8.329097
PKD1	cg0287955	0.101883	7.180172	6.532363	6.95E-06	7.20E-05	3.68086	7.865644	7.890723	7.861795	7.861681	7.876006	7.895178	7.839303	7.875714	7.845281	7.855619	7.896972	7.935965	7.914701	7.914712	7.908562	7.916047
OSCP1	cg1145091	0.101964	7.732777	5.168182	9.38E-05	0.000601	0.948989	8.210868	8.204476	8.247672	8.201191	8.236093	8.266151	8.20235	8.22041	8.199261	8.250856	8.304779	8.305629	8.284799	8.282094	8.263466	8.287985
PRDM5	cg1929465	0.102126	7.182312	3.428765	0.003451	0.011095	-2.59473	7.887463	7.889916	7.822576	7.88918	7.867024	7.872109	7.890168	7.870038	7.811121	7.862347	7.93901	7.9286	7.857678	7.909647	7.944502	7.935848
FAM172A	cg1295018	0.102152	7.737633	7.619918	1.05E-06	1.60E-05	5.550867	8.219752	8.20432	8.211833	8.217785	8.233687	8.223821	8.23532	8.242259	8.24116	8.197313	8.303309	8.295241	8.302074	8.293938	8.28438	8.316713
PTPRK	cg0385441	0.102182	7.759721	2.856446	0.01144	0.029244	-3.8605	8.247659	8.200969	8.217295	8.215101	8.278067	8.292165	8.2035	8.234363	8.258007	8.262845	8.341656	8.339991	8.348397	8.22084	8.272675	8.339792
ZBTB4	cg1459119	0.1022	6.81703	4.892651	0.000163	0.000936	0.280023	7.670648	7.645201	7.637784	7.697059	7.657695	7.65363	7.657598	7.63459	7.662824	7.636297	7.720567	7.724694	7.691345	7.702088	7.673976	7.699875
PARK2	cg1714092	0.102267	7.194212	4.206916	0.000671	0.002919	-0.96185	7.879066	7.893877	7.866456	7.837829	7.868021	7.862977	7.882955	7.860497	7.885914	7.857668	7.97613	7.890058	7.897093	7.956756	7.940819	7.938218
ROBO1	cg1870360	0.102329	7.718535	3.854309	0.001406	0.005315	-1.78444	8.183681	8.1884	8.213348	8.268892	8.166909	8.21103	8.185758	8.224041	8.239927	8.213288	8.308917	8.289103	8.308669	8.308626	8.261208	8.239027
RUNX3	cg1914052	0.102372	7.323171	7.626823	1.03E-06	1.59E-05	5.629402	7.973262	7.966717	7.940722	7.946575	7.962126	7.98184	7.944582	7.940991	7.935382	7.95225	8.008242	8.004372	8.012423	8.010686	8.016995	7.987281
DCDC2	cg1630611	0.10262	7.437607	6.22565	1.22E-05	0.000115	3.093897	8.006588	8.051984	8.021463	8.027778	8.045404	8.015528	8.036408	8.023601	8.006373	8.015821	8.061354	8.072454	8.105604	8.104158	8.081138	8.092241
KANK1	cg2561069	0.102778	7.254508	2.930421	0.009813	0.025833	-3.6155	7.902055	7.873897	7.880226	7.932044	7.911759	7.925758	7.864241	7.889535	7.94358	7.939886	8.009886	7.999425	8.026653	7.919863	7.938968	7.937725
PTPRK	cg1032247	0.102902	7.726088	3.986649	0.001064	0.004237	-1.50514	8.209282	8.207069	8.203822	8.24759	8.231557	8.244056	8.195312	8.234908	8.253978	8.167041	8.286865	8.307673	8.299708	8.221739	8.291431	8.291997
MAPK10	cg1410097	0.102948	7.778148	5.066753	0.000115	0.000707	0.724776	8.257957	8.247562	8.233454	8.238297	8.261096	8.253903	8.253913	8.209959	8.290366	8.269169	8.354066	8.324785	8.354006	8.295255	8.310151	8.325351
LIMA1	cg0071841	0.102974	7.730568	5.605694	3.96E-05	0.000292	1.825189	8.211064	8.233919	8.206971	8.223311	8.190703	8.213015	8.244586	8.242866	8.196883	8.211852	8.255344	8.293463	8.290917	8.328569	8.30151	8.29929
PPM1L	cg2307952	0.103037	7.927392	5.476236	5.10E-05	0.00036	1.489717	8.340845	8.352978	8.387916	8.3817	8.349933	8.399319	8.40216	8.335581	8.333662	8.342941	8.429023	8.431884	8.414459	8.439388	8.432416	8.415419
GNMT	cg0820050	0.10317	7.858189	5.123501	0.000103	0.000647	0.805084	8.306149	8.339265	8.271046	8.331378	8.288444	8.286621	8.319651	8.283834	8.335233	8.313723	8.405408	8.403641	8.36607	8.35692	8.400743	8.382921
GNMT	cg2415376	0.103349	7.209386	3.933785	0.001189	0.004639	-1.53547	7.852445	7.888669	7.854447	7.900328	7.899478	7.899698	7.857968	7.870405	7.880322	7.901467	7.972719	7.979445	7.948971	7.932862	7.902914	7.901948
ADARB1	cg0423362	0.103353	7.853471	4.998558	0.000132	0.000787	0.555089	8.311633	8.358939	8.314129	8.27949	8.308767	8.298597	8.321636	8.285724	8.286334	8.317417	8.348841	8.353052	8.377604	8.408721	8.400378	8.364744
PLAGL1	cg1384000	0.103361	7.497428	5.700345	3.30E-05	0.000254	2.069604	8.064327	8.045477	8.054838	8.030849	8.099148	8.07413	8.058137	8.054657	8.061691	8.07673	8.145151	8.141713	8.135801	8.115668	8.139558	8.102104
DAPK3	cg0077117	0.103367	7.051009	2.739869	0.014548	0.035506	-4.03414	7.799084	7.759367	7.767981	7.784099	7.824171	7.841896	7.795456	7.805837	7.790096	7.720705	7.878879	7.796442	7.853539	7.82841	7.781965	7.88399
LHX6	cg1381795	0.103511	7.1105	3.312057	0.004413	0.013548	-2.85627	7.892842	7.856507	7.864647	7.848655	7.858457	7.818299	7.8003	7.762811	7.772885	7.856484	7.805556	7.895341	7.859428	7.870399	7.847531	7.868628
LRRC4	cg2157955	0.103536	7.400885	3.724064	0.00185	0.006667	-1.98537	7.992888	8.017772	7.988941	7.99262	8.036601	8.058732	7.986033	7.978946	7.966592	8.030623	8.077785	8.064735	8.08543	8.071891	8.001785	8.034367
RNF8	cg1632266	0.103657	7.691292	7.251552	1.95E-06	2.61E-05	4.923807	8.184892	8.18325	8.191701	8.177308	8.194023	8.20845	8.183193	8.180283	8.205843	8.20781	8.285779	8.271513	8.271469	8.259092	8.233548	8.267813
HACE1	cg2594672	0.103658	7.450298	6.38465	9.11E-06	8.97E-05	3.393645	8.058793	8.029637	8.064864	8.045212	8.034591	8.052918	8.014523	8.020555	8.016185	8.035276	8.101949	8.094987	8.06517	8.11649	8.088366	8.06092
PF4	cg1539884	0.103823	7.848912	11.45182	4.10E-09	2.21E-07	11.20145	8.309454	8.304802	8.319698	8.3114	8.308603	8.299626	8.293771	8.303016	8.303077	8.296543	8.358712	8.371195	8.381225	8.366451	8.370863	8.384414
FOXP1	cg1242309	0.103861	7.427425	4.060519	0.000911	0.00374	-1.28362	8.000218	7.96656	8.01405	7.982515	8.047027	8.007433	8.015893	8.009236	8.068456	8.005566	8.124179	8.084566	8.113085	8.054822	8.097644	8.073419
KANK1	cg1345584	0.103906	7.787344	2.872484	0.011067	0.028463	-3.84239	8.169956	8.221843	8.326024	8.220166	8.304999	8.25346	8.226416	8.31344	8.243295	8.279409	8.352129	8.352524	8.328709	8.314615	8.373688	8.305816
CTNND1	cg2258525	0.10409	6.891888	5.109172	0.000106	0.000661	0.774902	7.693321	7.684709	7.721471	7.71579	7.681093	7.721214	7.698895	7.691098	7.674604	7.686247	7.738896	7.71309	7.775496	7.723309	7.75708	7.758892
PRICKLE1	cg1140951	0.104117	6.976138	3.344344	0.004123	0.012805	-2.85509	7.725654	7.755334	7.735672	7.789261	7.767104	7.751734	7.701497	7.712418	7.765583	7.754428	7.825726	7.823728	7.824304	7.758858	7.7641	7.753213
PTPRD	cg1561634	0.104202	7.679781	4.378653	0.000469	0.002195	-0.66544	8.201515	8.246074	8.22815	8.158758	8.184004	8.180749	8.167477	8.183241	8.18014	8.171273	8.210779	8.242083	8.21554	8.280317	8.257284	8.270801
CACNA2D3	cg0155972	0.104235	7.390332	5.608762	3.94E-05	0.00029	1.903027	8.000109	8.007564	8.030198	8.005693	8.007282	8.010414	7.948076	8.00694	8.01563	7.957694	8.03044	8.055529	8.058201	8.042336	8.052264	8.046536
MTSS1	cg0851195	0.104245	7.623013	4.478663	0.000381	0.001861	-0.4432	8.114771	8.14908	8.140968	8.153431	8.155405	8.164506	8.135724	8.128377	8.139279	8.17938	8.234824	8.225843	8.248306	8.23627	8.165221	8.183148
VPS53	cg2565245	0.104424	7.473667	7.866936	6.96E-07	1.18E-05	6.023275	8.04595	8.045868	8.045108	8.057214	8.052031	8.059842	8.051136	8.035519	8.032552	8.05549	8.133396	8.107732	8.108845	8.12522	8.084422	8.106923
WNT5A	cg1243330	0.104665	7.827238	4.739114	0.000223	0.001205	0.031714	8.272174	8.268459	8.291681	8.277582	8.294593	8.343476	8.298695	8.281846	8.310547	8.248315	8.355842	8.363524	8.386361	8.36012	8.366696	8.316376
FLT3	cg2445414	0.10488	7.589762	6.068077	1.64E-05	0.000145	2.765485	8.095619	8.110331	8.124854	8.110235	8.096018	8.137	8.134959	8.121047	8.162352	8.101604	8.194656	8.193437	8.220898	8.215991	8.187833	8.18604
BNIP3L	cg2368310	0.104892	6.865729	3.224018	0.005311	0.01575	-3.16849	7.688895	7.610449	7.69478	7.648056	7.723848	7.650424	7.683169	7.690322	7.713453	7.651419	7.763712	7.731615	7.739594	7.740838	7.732307	7.740939
PTPRK	cg2548888	0.104914	7.804396	4.403893	0.000445	0.002111	-0.65752	8.236134	8.264893	8.270837	8.241274	8.29647	8.325542	8.243311	8.269748	8.282178	8.285524	8.365958	8.370989	8.361052	8.31597	8.326957	8.319861
CADM1	cg1809843	0.104937	6.91222	3.326889	0.004277	0.013217	-2.92786	7.68479	7.679523	7.678731	7.728277	7.729192	7.717273	7.679271	7.697298	7.725906	7.720657	7.798689	7.798436	7.794729	7.715172	7.720771	7.754224
ZFHX3	cg0876770	0.104956	6.851436	3.43465	0.003408	0.01098	-2.7516	7.702513	7.679416	7.673187	7.673062	7.631135	7.713612	7.62922	7.704976	7.684546	7.64634	7.727807	7.712385	7.707837	7.692467	7.735192	7.759657
KLK10	cg1540923	0.105047	7.465251	4.918042	0.000155	0.000897	0.500187	8.02242	8.0367	8.024687	8.062644	8.059494	8.076704	8.021256	8.041585	8.04569	8.039491	8.13635	8.11878	8.12664	8.081897	8.066364	8.098465
ZBTB7C	cg0712794	0.105066	7.383687	5.849856	2.48E-05	0.000203	2.37601	7.997215	8.000105	8.002011	7.969135	7.988181	7.983038	7.984671	7.97976	7.986296	7.996871	8.059632	8.007199	8.065803	8.050532	8.05059	8.085996
UVRAG	cg1661137	0.105116	7.8393	9.885285	3.27E-08	1.07E-06	9.081846	8.285933	8.306237	8.29268	8.289982	8.317923	8.309438	8.291105	8.302495	8.284806	8.2927	8.363668	8.371011	8.373989	8.362798	8.352716	8.375565
NDRG2	cg2701890	0.105125	7.145068	3.953821	0.00114	0.004484	-1.49689	7.855507	7.799215	7.838086	7.849093	7.853987	7.817566	7.861816	7.827475	7.880559	7.80142	7.939647	7.906537	7.875835	7.896306	7.887739	7.923356
IQGAP2	cg2634861	0.105151	7.230912	4.309082	0.000542	0.002456	-0.74718	7.863464	7.880655	7.909008	7.892134	7.917857	7.93488	7.867358	7.891507	7.896056	7.895925	7.976542	7.973361	7.971311	7.950772	7.907762	7.928536
SMAD4	cg0960485	0.105167	7.883636	6.167507	1.36E-05	0.000125	2.866821	8.356492	8.360658	8.356395	8.305002	8.341366	8.340597	8.294178	8.302676	8.339084	8.334339	8.381017	8.399615	8.390837	8.42017	8.378672	8.381194
PRICKLE1	cg1565536	0.105337	7.551096	4.9058	0.000159	0.000915	0.460656	8.083189	8.086946	8.080621	8.12065	8.135856	8.12563	8.115578	8.090131	8.095365	8.068905	8.16072	8.176156	8.188049	8.178715	8.127493	8.1397
IFT88	cg2207961	0.105455	6.839708	3.874812	0.001346	0.005146	-1.84139	7.664949	7.662422	7.708234	7.675308	7.688073	7.690223	7.649948	7.644931	7.654698	7.66602	7.684385	7.722319	7.746154	7.721423	7.742167	7.646562
MTUS1	cg0407707	0.105469	7.315703	4.350608	0.000497	0.00229	-0.66265	7.950361	7.958507	7.947282	8.009986	7.98577	7.912939	7.943935	7.94918	7.914426	7.933993	8.028159	7.988622	7.983205	7.980142	8.016255	8.006878
PPARG	cg0828812	0.105529	7.7568	5.669928	3.50E-05	0.000265	1.941701	8.214947	8.213656	8.201453	8.24084	8.20537	8.241626	8.228827	8.234588	8.264151	8.265642	8.346027	8.335294	8.341056	8.313077	8.281837	8.311744
RARB	cg0638931	0.105583	7.227823	4.706194	0.000239	0.001274	0.080266	7.860458	7.870425	7.891204	7.901509	7.893536	7.891978	7.887632	7.882447	7.895117	7.908169	7.989409	7.957827	7.973882	7.985711	7.922663	7.915434
DLG1	cg1251544	0.10561	7.812542	7.335259	1.69E-06	2.34E-05	5.03943	8.289174	8.286828	8.274216	8.293715	8.333867	8.285968	8.256484	8.280253	8.257922	8.270143	8.352954	8.347296	8.346066	8.327707	8.327329	8.337531
ADARB1	cg2744925	0.105628	7.661342	6.360894	9.51E-06	9.32E-05	3.308013	8.176679	8.162088	8.163604	8.213415	8.183653	8.149706	8.189966	8.155028	8.163129	8.17074	8.265303	8.246642	8.230087	8.230706	8.231421	8.242336
HBP1	cg2300446	0.105857	7.783817	4.584818	0.000306	0.001555	-0.27297	8.278883	8.248279	8.215378	8.296594	8.236633	8.236878	8.247298	8.289629	8.279468	8.219563	8.318013	8.345641	8.330736	8.310588	8.327444	8.362866
THRB	cg2114963	0.105863	7.606581	5.324102	6.88E-05	0.000463	1.294545	8.117192	8.096849	8.120079	8.111253	8.129227	8.10339	8.128417	8.128843	8.164157	8.167966	8.227024	8.230687	8.239341	8.238853	8.208493	8.1658
TGFBR3	cg0433323	0.105881	7.871431	7.232936	2.02E-06	2.67E-05	4.834051	8.334787	8.330191	8.314044	8.353277	8.307867	8.340722	8.290564	8.339259	8.321007	8.294082	8.386733	8.393863	8.382335	8.371067	8.385835	8.396025
PLAGL1	cg1028969	0.105969	7.465462	5.560538	4.33E-05	0.000314	1.798104	8.052151	8.044852	8.019609	8.05695	8.056116	8.028372	8.058222	8.043066	8.027708	8.028242	8.069375	8.103068	8.139412	8.089425	8.122929	8.121962
FBXO25	cg0246939	0.106117	7.54801	3.750835	0.001749	0.006353	-1.94671	8.108057	8.099977	8.143044	8.152559	8.184857	8.175943	8.051788	8.073873	8.062132	8.076711	8.182641	8.157806	8.147905	8.082961	8.112749	8.128555
PPP3CC	cg1037249	0.106133	7.905153	10.61883	1.20E-08	4.91E-07	10.08664	8.350854	8.338398	8.358104	8.326119	8.347114	8.356102	8.334469	8.348186	8.335602	8.34214	8.423769	8.403399	8.409993	8.426292	8.412406	8.418289
PACRG	cg0867434	0.106226	7.345808	5.721411	3.17E-05	0.000246	2.127487	7.962042	7.954139	7.949229	7.982671	7.961413	7.974436	7.961361	7.973353	7.97435	7.944746	8.02377	8.05017	8.036846	8.015594	8.061948	7.991304
DKK3	cg0510629	0.106274	7.777949	11.54107	3.67E-09	2.04E-07	11.33088	8.263108	8.249835	8.254021	8.273349	8.258665	8.263218	8.251485	8.256	8.245464	8.235574	8.329278	8.321084	8.311576	8.325297	8.318769	8.318582
NUMB	cg0634782	0.106545	7.265827	2.871579	0.011087	0.028507	-3.73348	7.867633	7.919866	7.913161	7.89837	7.953424	7.987683	7.943245	7.915174	7.833744	7.939851	7.989466	7.965949	7.987986	7.927634	7.97577	7.989519
ZBTB7C	cg1062323	0.106546	7.243798	3.655711	0.002137	0.007506	-2.1196	7.88046	7.920599	7.877908	7.930051	7.902122	7.889746	7.879532	7.920683	7.877096	7.921257	8.03337	7.925602	7.959737	7.974969	7.969895	7.923956
DNAJB4	cg0106286	0.106827	6.732094	5.721409	3.17E-05	0.000246	1.900005	7.592821	7.59853	7.609244	7.619479	7.608076	7.590873	7.592049	7.610117	7.608597	7.618864	7.668096	7.656797	7.685849	7.692266	7.640543	7.633936
GPC3	cg0519672	0.107114	7.500501	6.196997	1.29E-05	0.00012	3.030946	8.049076	8.049978	8.053752	8.078495	8.095243	8.061239	8.066844	8.067222	8.051463	8.064975	8.16609	8.112509	8.150291	8.118793	8.128801	8.117808
CAV1	cg0030843	0.107119	6.718301	5.492608	4.94E-05	0.00035	1.439121	7.592198	7.580002	7.599427	7.585949	7.581421	7.591078	7.630052	7.606541	7.57553	7.606394	7.659227	7.634161	7.65462	7.665184	7.699745	7.647473
GRIN2A	cg0134424	0.107226	7.058187	7.506652	1.27E-06	1.86E-05	5.402549	7.777814	7.773527	7.795239	7.774309	7.770987	7.809981	7.790759	7.778735	7.790562	7.801794	7.861992	7.85029	7.861935	7.835534	7.851588	7.852719
YAP1	cg2457620	0.107473	7.453307	4.669497	0.000257	0.001353	-0.01219	7.992812	8.042811	8.087773	8.022836	8.037494	8.008013	8.063658	8.010433	8.034085	8.023012	8.088822	8.094155	8.095258	8.119471	8.119867	8.093775
PARK2	cg0574577	0.107517	7.344762	4.125887	0.000795	0.003355	-1.13641	7.957926	7.95009	7.96978	7.994339	7.971716	7.986113	7.939242	7.930207	7.994664	7.965608	8.04208	8.066464	8.051592	8.013411	7.987012	7.986847
PTPN13	cg2542580	0.107551	7.005468	3.26132	0.004911	0.014795	-3.00021	7.748004	7.725401	7.746459	7.772192	7.774204	7.77399	7.757764	7.705387	7.794865	7.772961	7.852671	7.844309	7.862397	7.778671	7.784377	7.789893
L3MBTL4	cg1292482	0.107579	7.246104	4.723157	0.000231	0.00124	0.115326	7.931269	7.895364	7.929609	7.889535	7.89912	7.904138	7.873664	7.923031	7.885076	7.905007	7.936733	7.989406	7.919868	7.986387	7.9779	7.962341
FOXP1	cg0105586	0.107659	7.083495	3.647401	0.002175	0.007614	-2.15488	7.775769	7.799467	7.777918	7.815022	7.821843	7.81741	7.761476	7.807024	7.822654	7.823837	7.900413	7.917498	7.872133	7.839393	7.831948	7.836991
APC	cg1447988	0.107673	7.610582	7.718561	8.88E-07	1.41E-05	5.750157	8.134109	8.11186	8.13415	8.123574	8.144096	8.153618	8.133875	8.137268	8.125825	8.156938	8.230392	8.21755	8.210917	8.195846	8.195186	8.213169
CMTM5	cg0174722	0.107676	6.800542	5.683409	3.41E-05	0.00026	1.869026	7.636637	7.642251	7.649376	7.661898	7.655756	7.651655	7.637328	7.646769	7.605529	7.662966	7.70309	7.703759	7.691542	7.715149	7.694078	7.662759
CDH13	cg1651231	0.107687	7.137241	2.615554	0.018755	0.04358	-4.2406	7.748718	7.786475	7.820758	7.853934	7.851648	7.852906	7.84268	7.817029	7.860979	7.856747	7.961714	7.924186	7.968535	7.869057	7.868982	7.858939
FOXP1	cg2011511	0.107737	7.709615	3.741249	0.001784	0.006454	-2.0119	8.175034	8.209722	8.231535	8.229471	8.262904	8.274991	8.201637	8.156084	8.186859	8.209783	8.289663	8.283486	8.302625	8.22083	8.228713	8.246843
RUNX3	cg1323624	0.107849	7.856324	4.968715	0.00014	0.000825	0.493302	8.317123	8.296178	8.321861	8.2724	8.363198	8.320687	8.315983	8.300412	8.289715	8.30225	8.363322	8.387674	8.384101	8.334481	8.390632	8.408984
CITED2	cg1945603	0.107878	6.904456	2.779532	0.013409	0.033226	-4.05137	7.684006	7.738199	7.731168	7.693863	7.695808	7.700148	7.67401	7.722259	7.673506	7.711088	7.790916	7.784	7.651337	7.750156	7.800343	7.75241
PPP2R5C	cg2088806	0.107947	7.706782	5.797077	2.74E-05	0.00022	2.212028	8.192735	8.175734	8.186726	8.203474	8.218988	8.249395	8.199958	8.206591	8.197894	8.198918	8.290174	8.300542	8.28248	8.26745	8.256808	8.25051
CADM1	cg0606401	0.108037	7.487215	6.485527	7.57E-06	7.71E-05	3.574287	8.017277	8.0528	8.031901	8.024024	8.06326	8.027796	8.06082	8.066509	8.067738	8.066611	8.115934	8.15204	8.151283	8.159617	8.115675	8.12069
THRB	cg0153647	0.108123	7.388476	6.471194	7.77E-06	7.88E-05	3.560263	7.980134	7.997041	7.988249	7.955869	7.996258	7.998511	8.012684	7.971907	7.974359	8.013344	8.069076	8.054714	8.050193	8.072534	8.049	8.073481
SHPRH	cg1809952	0.108302	6.73367	4.653579	0.000266	0.001391	-0.26642	7.591466	7.586753	7.590642	7.607643	7.60169	7.593931	7.586252	7.656501	7.613832	7.596101	7.672309	7.678724	7.658784	7.686833	7.691385	7.628989
NGFR	cg0674014	0.108369	7.844453	6.266706	1.13E-05	0.000108	3.075517	8.309936	8.33732	8.303355	8.338735	8.288691	8.351271	8.274031	8.269091	8.299081	8.296394	8.371739	8.371857	8.376554	8.358902	8.33827	8.346664
CUX1	cg0166749	0.108734	7.789022	6.893377	3.64E-06	4.34E-05	4.258714	8.250311	8.293275	8.254665	8.268995	8.275781	8.312635	8.259648	8.266238	8.244841	8.226261	8.321572	8.334392	8.323873	8.317525	8.323508	8.327226
PLAGL1	cg0825602	0.108776	6.750934	6.803183	4.27E-06	4.95E-05	3.978886	7.59806	7.615189	7.617091	7.610762	7.62278	7.581566	7.624484	7.616371	7.616278	7.623653	7.656244	7.671508	7.696748	7.67304	7.695546	7.670097
CSMD1	cg2102632	0.108943	7.489799	4.07331	0.000887	0.003659	-1.26297	8.066708	8.084276	8.07297	8.070103	8.056347	8.054546	8.05099	8.070096	8.052144	8.022687	8.132029	8.149966	8.033593	8.123017	8.14096	8.138954
DMD	cg0604257	0.109042	7.347425	5.758134	2.95E-05	0.000234	2.198958	7.930286	7.957443	7.951678	7.954462	7.954643	7.990625	7.987026	7.94064	7.961431	7.985213	8.054232	8.042363	8.055285	8.017564	8.032916	8.019327
NDRG4	cg0572540	0.109202	7.004651	3.483244	0.003076	0.010082	-2.53824	7.717479	7.716398	7.752358	7.771556	7.777398	7.776865	7.748593	7.740815	7.774115	7.772745	7.873219	7.856849	7.832723	7.799434	7.788988	7.776652
TP63	cg1500795	0.109278	7.289305	3.410884	0.003583	0.011397	-2.63275	7.890594	7.887278	7.89599	7.949692	7.947743	7.948986	7.900675	7.94212	7.942025	7.942894	8.0415	8.047683	8.018986	7.962243	7.966232	7.961165
EPB41L3	cg1409040	0.109456	7.709932	7.654182	9.88E-07	1.53E-05	5.62079	8.213241	8.229778	8.191092	8.228002	8.214808	8.234903	8.210879	8.178812	8.185773	8.205533	8.283787	8.284606	8.266783	8.257425	8.253945	8.272992
DLC1	cg1615126	0.109667	7.708132	7.31387	1.75E-06	2.41E-05	5.027646	8.214573	8.183842	8.212514	8.213595	8.17551	8.171946	8.212796	8.209208	8.20978	8.196717	8.266881	8.271492	8.281611	8.300097	8.272521	8.300985
LIFR	cg2643730	0.109674	7.870326	5.618395	3.87E-05	0.000287	1.797058	8.357951	8.297912	8.323982	8.339695	8.282779	8.293246	8.283726	8.333034	8.339823	8.311124	8.395578	8.398907	8.376029	8.387433	8.405595	8.403622
EHD3	cg1314983	0.10977	7.504062	6.802601	4.28E-06	4.95E-05	4.15775	8.075061	8.068304	8.056055	8.041924	8.07666	8.045096	8.048923	8.053171	8.100428	8.068932	8.146738	8.133674	8.15199	8.132729	8.123131	8.148347
IKZF1	cg1690526	0.110183	7.255605	5.3503	6.54E-05	0.000444	1.39492	7.934189	7.919507	7.92172	7.917341	7.899124	7.894534	7.896648	7.905353	7.896484	7.906757	7.970542	7.917677	7.982162	8.005381	7.954608	7.981235
PRDM2	cg0755272	0.110434	7.860998	3.09492	0.006963	0.019563	-3.42371	8.229315	8.326449	8.33386	8.278195	8.384954	8.325994	8.350849	8.334117	8.316207	8.230813	8.398332	8.389127	8.352851	8.381189	8.410396	8.382777
PEG3	cg2751937	0.110492	7.039585	4.604287	0.000294	0.001504	-0.17163	7.781959	7.752853	7.782126	7.795914	7.783599	7.771033	7.776169	7.767161	7.776978	7.781074	7.841251	7.862362	7.835076	7.874882	7.773273	7.846741
CFTR	cg0715795	0.110556	7.748608	3.098345	0.006913	0.019451	-3.3686	8.196492	8.195913	8.214212	8.243697	8.231722	8.297857	8.253938	8.218447	8.299157	8.15373	8.350413	8.323219	8.319327	8.271324	8.304688	8.274991
TOPORS	cg1113858	0.110635	6.708408	9.296969	7.59E-08	2.07E-06	8.106791	7.588912	7.584172	7.598763	7.598583	7.602489	7.598773	7.587191	7.594477	7.583906	7.597932	7.655467	7.64143	7.660436	7.662045	7.628734	7.638571
CADM1	cg1196531	0.110708	6.916148	3.189061	0.005716	0.016665	-3.20847	7.675115	7.677509	7.68432	7.716549	7.739272	7.71532	7.657446	7.73528	7.719255	7.722008	7.834224	7.796043	7.769212	7.742499	7.743706	7.732332
CTNNBIP1	cg1757556	0.110721	7.04112	4.436988	0.000416	0.001994	-0.51881	7.757942	7.741022	7.785474	7.788329	7.791341	7.790649	7.767349	7.757825	7.795693	7.791361	7.847738	7.880897	7.872008	7.819909	7.8192	7.810727
SAMD9L	cg0081902	0.110749	6.719178	4.717087	0.000233	0.001251	-0.15216	7.586146	7.589774	7.591188	7.60182	7.611865	7.599577	7.58975	7.576975	7.617937	7.611992	7.656926	7.691049	7.675525	7.66263	7.649904	7.603035

SRGAP3	cg2737044	0.111019	7.322758	3.855506	0.001402	0.005305	-1.70448	7.960621	7.943413	7.930324	7.901859	7.943532	7.93238	7.970049	7.95149	7.89709	8.004757	8.010743	7.975486	8.047775	8.051534	8.039864	8.024434
CACNA2D3	cg0560368	0.111095	6.837434	3.98727	0.001063	0.004233	-1.58877	7.652268	7.649881	7.683522	7.631555	7.66432	7.620735	7.637554	7.654955	7.697349	7.685621	7.751084	7.702547	7.743937	7.742155	7.686238	7.747487
RNF111	cg0556493	0.111169	6.737497	4.041402	0.000949	0.003866	-1.56751	7.612313	7.633912	7.616859	7.589948	7.658237	7.631412	7.595377	7.637645	7.582598	7.578457	7.681596	7.605854	7.653928	7.670018	7.65928	7.665044
CHST10	cg0535275	0.11126	7.685277	5.747417	3.02E-05	0.000238	2.122644	8.222709	8.175286	8.212761	8.209199	8.185262	8.195506	8.195687	8.189173	8.167242	8.16177	8.229653	8.276225	8.222168	8.25427	8.292418	8.249635
PHLPP2	cg2233801	0.111261	7.61308	5.708766	3.25E-05	0.00025	2.060486	8.140298	8.089788	8.11805	8.125926	8.129695	8.13262	8.143925	8.122364	8.140474	8.178456	8.226044	8.217603	8.258392	8.21121	8.224701	8.188271
GLTSCR2	cg2678170	0.111314	7.257836	5.603332	3.98E-05	0.000293	1.899035	7.906148	7.902359	7.868052	7.904113	7.907125	7.926749	7.897384	7.903141	7.931935	7.908863	7.994835	7.987448	8.003053	7.942299	7.978616	7.96493
NDRG4	cg1130658	0.111337	7.392084	3.458229	0.003243	0.010529	-2.54338	7.997445	7.997161	7.991373	7.943374	7.969757	7.95046	7.991194	8.048307	7.984766	7.985017	7.995342	8.057922	8.068555	8.0893	8.126786	8.102242
MTSS1	cg2195120	0.111644	6.991192	3.500616	0.002965	0.009783	-2.51292	7.722373	7.731166	7.756078	7.786914	7.755468	7.753702	7.704444	7.742539	7.78744	7.751884	7.849828	7.819995	7.849504	7.790882	7.790235	7.757484
WWOX	cg2305428	0.111676	7.468582	5.823594	2.61E-05	0.000211	2.314799	8.039306	8.009923	8.030898	8.041273	8.059267	8.042005	8.056325	8.03724	8.04408	8.037802	8.133677	8.117229	8.123657	8.146323	8.068411	8.108031
LRIG1	cg1282794	0.112034	7.629262	7.175245	2.23E-06	2.91E-05	4.804415	8.161893	8.16172	8.145856	8.14746	8.150829	8.142429	8.11949	8.1732	8.138384	8.153232	8.230468	8.199926	8.224884	8.228107	8.200185	8.244208
ARHGEF12	cg1703056	0.112078	6.716937	5.998917	1.87E-05	0.000162	2.426791	7.597588	7.59406	7.581663	7.607798	7.623598	7.608684	7.593062	7.59912	7.587077	7.594708	7.658324	7.675672	7.648147	7.64281	7.613484	7.669604
ITGA5	cg1717259	0.112147	6.756746	5.638471	3.72E-05	0.000278	1.747583	7.627871	7.606653	7.63539	7.641495	7.653019	7.591236	7.608157	7.615803	7.614773	7.61372	7.648268	7.684371	7.692703	7.677753	7.661474	7.665709
DCC	cg0220728	0.112208	6.731913	5.137213	9.98E-05	0.000633	0.725932	7.59059	7.587263	7.602055	7.611717	7.611475	7.602526	7.620975	7.579098	7.613006	7.614705	7.698234	7.662862	7.671227	7.688618	7.62564	7.645635
SHPRH	cg2045856	0.112356	7.446375	6.014467	1.81E-05	0.000159	2.688168	8.012376	8.020655	8.023544	8.020684	8.06454	8.010467	8.017358	8.011837	8.029787	8.051163	8.103346	8.105582	8.132203	8.076513	8.096827	8.084464
RTN4	cg1591387	0.112724	7.620626	9.715687	4.15E-08	1.30E-06	8.885315	8.14014	8.143673	8.150789	8.143428	8.160824	8.154324	8.148238	8.132604	8.141786	8.129751	8.204932	8.224167	8.222143	8.20402	8.230472	8.196002
THBD	cg2009689	0.112729	7.536484	4.28652	0.000568	0.002552	-0.8261	8.073367	8.057389	8.057627	8.107216	8.065382	8.119879	8.094008	8.058099	8.088589	8.116203	8.169608	8.179945	8.214169	8.151332	8.114665	8.151689
ILK	cg0750548	0.112778	6.685971	4.131994	0.000785	0.003321	-1.41487	7.59136	7.613445	7.559134	7.613553	7.606321	7.553775	7.555639	7.582576	7.613367	7.548842	7.639238	7.619252	7.655554	7.625246	7.636492	7.618558
VPS53	cg1780844	0.112852	7.7137	3.584622	0.002483	0.008476	-2.34784	8.176324	8.184972	8.194377	8.25121	8.200775	8.234992	8.203937	8.191499	8.158342	8.266651	8.31701	8.30617	8.299352	8.264577	8.216006	8.291455
FOXP1	cg2199307	0.112855	7.185989	3.361731	0.003975	0.012432	-2.73389	7.838353	7.839972	7.849428	7.886073	7.88688	7.88627	7.83611	7.839027	7.888142	7.885307	7.980763	7.984101	7.941741	7.890207	7.891063	7.892087
OSCP1	cg1572522	0.112894	6.691892	3.636584	0.002225	0.007752	-2.4606	7.606199	7.5664	7.645155	7.609011	7.606185	7.565695	7.560675	7.562687	7.618203	7.554414	7.622495	7.672915	7.604494	7.62192	7.647118	7.619397
FOXP1	cg1592945	0.112908	7.123452	3.753691	0.001738	0.006327	-1.92096	7.795213	7.831962	7.788591	7.840361	7.845853	7.84245	7.80369	7.806519	7.84631	7.847937	7.919763	7.935034	7.923409	7.858378	7.857817	7.862142
MRVI1	cg1601460	0.113133	7.825849	5.990419	1.90E-05	0.000165	2.550993	8.309935	8.320991	8.251648	8.292974	8.303907	8.312473	8.276803	8.288348	8.25075	8.285133	8.364579	8.32789	8.36965	8.374436	8.360376	8.330005
MCC	cg2667646	0.113219	6.768379	5.956934	2.02E-05	0.000172	2.380136	7.640006	7.627769	7.625755	7.636104	7.641018	7.641843	7.616742	7.609407	7.597395	7.644818	7.694134	7.696524	7.65965	7.683492	7.641221	7.683296
ABI2	cg2415675	0.113313	7.693904	4.746371	0.00022	0.001194	0.092041	8.156528	8.174276	8.175679	8.216101	8.182898	8.192506	8.177164	8.180297	8.221947	8.21004	8.297952	8.298245	8.301251	8.241887	8.221686	8.28886
VSNL1	cg2168504	0.113379	6.799716	8.690042	1.89E-07	4.22E-06	7.225816	7.641722	7.641624	7.65121	7.650678	7.626845	7.624596	7.647059	7.629686	7.649681	7.639724	7.717339	7.68238	7.695754	7.705699	7.703957	7.706117
EPB41L3	cg0904231	0.113424	7.825392	8.153978	4.37E-07	8.17E-06	6.423518	8.315154	8.264174	8.282986	8.287624	8.30516	8.28733	8.285007	8.259182	8.293941	8.27995	8.364977	8.36186	8.373843	8.359966	8.352083	8.341511
RARB	cg2439662	0.113526	7.014025	7.537105	1.20E-06	1.78E-05	5.435496	7.76111	7.779437	7.760247	7.76561	7.750116	7.753872	7.763829	7.764178	7.771757	7.741222	7.813493	7.805859	7.829852	7.852656	7.816209	7.831531
CSMD1	cg0200632	0.113827	7.134505	6.500141	7.37E-06	7.53E-05	3.617164	7.84396	7.836312	7.84099	7.825303	7.816857	7.854191	7.838544	7.837669	7.841747	7.797827	7.88454	7.87251	7.898206	7.914399	7.892365	7.914409
DKK3	cg0128665	0.113858	7.731239	6.64142	5.71E-06	6.18E-05	3.812064	8.23638	8.215538	8.207924	8.233678	8.20741	8.222835	8.204493	8.201555	8.263878	8.193523	8.306304	8.304351	8.296013	8.297711	8.277767	8.282161
PTEN	cg0323618	0.11386	7.113542	3.453436	0.003276	0.010609	-2.55166	7.823659	7.858716	7.834884	7.836812	7.756732	7.819053	7.837435	7.836129	7.825374	7.77267	7.855644	7.857899	7.849929	7.924621	7.907503	7.912741
FOXP1	cg1045297	0.113895	7.84489	11.69015	3.05E-09	1.78E-07	11.50406	8.300555	8.304157	8.311091	8.296788	8.30984	8.297323	8.28378	8.29781	8.304562	8.288415	8.375825	8.363359	8.38297	8.388815	8.368609	8.363472
PHC3	cg1441899	0.114017	7.888999	9.727155	4.08E-08	1.29E-06	8.836943	8.329642	8.345889	8.33109	8.356435	8.318846	8.325388	8.306487	8.323832	8.336988	8.333252	8.405106	8.414754	8.415795	8.403961	8.405585	8.391743
RASSF3	cg0077149	0.114057	7.512903	7.036394	2.83E-06	3.55E-05	4.579476	8.085008	8.051695	8.071348	8.071267	8.106623	8.066265	8.068997	8.075631	8.05223	8.069224	8.129813	8.147839	8.15337	8.129035	8.121259	8.165062
FOXP1	cg0609229	0.114236	7.243798	3.886	0.001315	0.005051	-1.63629	7.857048	7.885328	7.871569	7.918729	7.913662	7.911107	7.879066	7.888452	7.920299	7.916746	8.016333	7.992749	8.005825	7.951929	7.928294	7.931226
CUX1	cg1970324	0.114301	7.59095	7.085982	2.60E-06	3.31E-05	4.652126	8.114473	8.106998	8.12341	8.097079	8.110383	8.131067	8.152744	8.103734	8.139861	8.109667	8.192714	8.20377	8.210574	8.226472	8.204609	8.178376
KLF10	cg2487793	0.114318	6.850831	2.748813	0.014283	0.034941	-4.16169	7.771261	7.691373	7.702083	7.623695	7.693364	7.689588	7.663392	7.655766	7.683649	7.609573	7.668824	7.699673	7.683953	7.765766	7.753022	7.715605
SHISA3	cg1374069	0.114558	7.110186	3.84314	0.001439	0.005413	-1.73525	7.798765	7.776734	7.840519	7.804195	7.826455	7.831189	7.833552	7.791753	7.803657	7.84921	7.893432	7.924285	7.87988	7.930914	7.854069	7.839162
CADM1	cg0391006	0.114569	7.426727	5.758441	2.95E-05	0.000234	2.19302	8.029161	8.014056	8.00191	8.029949	7.994259	8.02357	8.00518	8.027232	8.018982	7.997479	8.088814	8.111365	8.046706	8.086777	8.120091	8.059834
MTUS1	cg2127898	0.114747	7.417366	4.706228	0.000239	0.001274	0.068726	7.988923	7.992928	8.024777	7.973021	8.036242	8.044391	8.019654	8.020635	7.968182	8.014963	8.063098	8.102618	8.061957	8.086474	8.053044	8.10734
DMD	cg1136882	0.114847	7.36085	5.304274	7.16E-05	0.000477	1.295625	7.962908	7.945018	7.964231	7.950895	7.979851	7.950762	7.994437	7.958224	7.952482	8.009187	8.063987	8.035689	8.060299	8.067414	8.004764	8.074284
NEDD4L	cg0511678	0.114923	7.795594	7.541924	1.19E-06	1.77E-05	5.402048	8.280926	8.244409	8.274639	8.289348	8.262323	8.256526	8.275747	8.247102	8.274615	8.237488	8.322564	8.347219	8.346748	8.358796	8.335248	8.322398
DOK1	cg2091472	0.114953	6.942364	4.08035	0.000874	0.00362	-1.32803	7.721564	7.696188	7.697346	7.739507	7.733767	7.741088	7.695488	7.702986	7.733797	7.741305	7.823219	7.825864	7.786629	7.752432	7.749262	7.757596
CHST10	cg2057776	0.115314	7.209297	5.387396	6.07E-05	0.000417	1.469312	7.882436	7.875077	7.889723	7.885814	7.842411	7.857633	7.880514	7.884431	7.898142	7.853887	7.947522	7.937151	7.922332	7.944628	7.998642	7.943745
TBX5	cg2382757	0.115377	7.538903	8.838197	1.50E-07	3.55E-06	7.581361	8.072404	8.091797	8.08415	8.111679	8.101437	8.0857	8.088127	8.087488	8.073407	8.087029	8.162638	8.168559	8.167621	8.168896	8.15792	8.133845
KLF5	cg1428159	0.115492	6.906909	3.788987	0.001613	0.005946	-1.96184	7.694644	7.655762	7.667528	7.712574	7.710104	7.720756	7.679321	7.692997	7.723773	7.716402	7.808157	7.786433	7.802104	7.734864	7.73238	7.738018
EGR2	cg2360327	0.115603	7.385676	8.272113	3.62E-07	7.11E-06	6.698467	8.010147	7.964744	7.976372	7.984515	7.983078	7.980506	7.99063	7.981241	7.989344	7.994505	8.072461	8.068026	8.057985	8.047382	8.08187	8.045767
MAPK10	cg0725971	0.115704	7.710219	4.122536	0.0008	0.003372	-1.21787	8.189525	8.167498	8.183699	8.176642	8.187083	8.261532	8.194417	8.213429	8.251552	8.171496	8.295186	8.319477	8.294454	8.294531	8.290119	8.228823
FOXP1	cg1816637	0.115712	6.829768	3.195713	0.005637	0.016481	-3.25441	7.605473	7.627764	7.634226	7.678578	7.675592	7.674603	7.625842	7.664257	7.675157	7.680223	7.778173	7.747522	7.756597	7.682256	7.685363	7.693054
FOXP1	cg1324025	0.115765	7.618569	12.86255	7.62E-10	6.26E-08	12.94084	8.153746	8.15176	8.165221	8.158827	8.159578	8.155699	8.125948	8.130026	8.131739	8.130278	8.203879	8.22361	8.198565	8.203702	8.20517	8.206471
RASSF1	cg2152263	0.115877	6.889257	3.314898	0.004387	0.013478	-2.97375	7.724034	7.656786	7.715928	7.725655	7.725313	7.639678	7.688426	7.682831	7.726744	7.641305	7.7609	7.755125	7.725688	7.714956	7.769656	7.761823
DMD	cg2673304	0.115904	7.086129	4.431956	0.00042	0.002012	-0.51236	7.805621	7.816869	7.798639	7.826468	7.816826	7.822205	7.784042	7.757427	7.803813	7.836404	7.88318	7.908048	7.870696	7.848898	7.843482	7.822023
IKZF1	cg1696918	0.116014	7.227217	7.247007	1.97E-06	2.63E-05	4.973619	7.89971	7.900905	7.928217	7.902437	7.888626	7.89678	7.881374	7.876128	7.875908	7.879206	7.916876	7.93343	7.96887	7.97067	7.952822	7.947427
CSMD1	cg0001869	0.116027	7.440901	5.684935	3.40E-05	0.00026	2.044658	8.023701	8.004726	7.978133	7.989436	8.020159	7.989453	8.018981	8.04575	8.075039	8.001368	8.117307	8.112332	8.104863	8.113861	8.128633	8.083567
FAS	cg0315849	0.116203	6.755991	6.436624	8.28E-06	8.30E-05	3.281947	7.636639	7.641164	7.651809	7.648869	7.652483	7.612483	7.603197	7.604512	7.599865	7.602297	7.687011	7.630283	7.660793	7.646871	7.665675	7.687173
DLG1	cg1446576	0.116468	7.912974	5.967422	1.98E-05	0.000171	2.466437	8.342819	8.346077	8.37803	8.329437	8.400744	8.350135	8.342993	8.338116	8.298821	8.37089	8.408038	8.427119	8.429886	8.432091	8.401896	8.425643
ZFHX3	cg0522777	0.116768	6.818744	4.259095	0.000602	0.002677	-1.03826	7.63346	7.636371	7.638497	7.66152	7.676861	7.675706	7.646838	7.616966	7.665215	7.665429	7.736994	7.745427	7.736764	7.683506	7.681278	7.682788
ABI2	cg0889036	0.116866	7.814843	8.715406	1.81E-07	4.10E-06	7.329184	8.270716	8.278336	8.287001	8.235866	8.286425	8.292445	8.258577	8.277701	8.280226	8.284726	8.358594	8.360146	8.357714	8.363687	8.352747	8.350348
GSN	cg1358083	0.116958	7.513048	8.75207	1.72E-07	3.91E-06	7.44989	8.059261	8.067381	8.061579	8.065313	8.055719	8.075814	8.052785	8.090573	8.063943	8.081678	8.141113	8.165097	8.143495	8.155049	8.161552	8.126844
CREM	cg1418212	0.116992	7.867513	4.701436	0.000241	0.001285	-0.05299	8.365195	8.351563	8.370321	8.329297	8.410814	8.320431	8.294265	8.273926	8.263119	8.311203	8.367612	8.372156	8.357036	8.410969	8.32101	8.378872
CBFA2T3	cg2659122	0.117005	7.914264	12.17158	1.70E-09	1.18E-07	12.08106	8.348537	8.34992	8.348317	8.354764	8.330752	8.369755	8.34262	8.334423	8.348596	8.347777	8.432875	8.429308	8.432615	8.420353	8.424041	8.42282
MME	cg1143554	0.117047	6.87574	4.189852	0.000695	0.003003	-1.14521	7.684317	7.666525	7.670363	7.697137	7.695821	7.712335	7.647208	7.663234	7.699036	7.70367	7.761876	7.779678	7.772921	7.711	7.715201	7.711676
SASH1	cg2221562	0.117332	7.81004	3.788557	0.001615	0.005948	-1.94939	8.279964	8.250184	8.255173	8.308259	8.349688	8.317449	8.269633	8.25833	8.260359	8.246956	8.382854	8.365037	8.35636	8.356931	8.321562	8.262641
EYA4	cg2453517	0.117362	7.764775	3.621212	0.002299	0.007945	-2.28857	8.274252	8.207883	8.218814	8.28087	8.277245	8.198461	8.24605	8.185375	8.296017	8.226636	8.358019	8.352427	8.316594	8.278445	8.289401	8.324008
NTRK3	cg1342747	0.117414	7.031907	5.686173	3.39E-05	0.000259	2.018044	7.771682	7.756854	7.778855	7.806425	7.787736	7.787873	7.744908	7.776438	7.791221	7.742306	7.837945	7.848369	7.84816	7.816701	7.832659	7.800883
FOXP1	cg1826713	0.117496	7.783318	3.704306	0.001929	0.006888	-2.12272	8.257899	8.259131	8.198434	8.248858	8.315944	8.215453	8.229189	8.271528	8.308083	8.212754	8.350995	8.389007	8.310907	8.338053	8.32758	8.30649
PLEKHO1	cg1132971	0.117706	7.900551	3.719368	0.001869	0.006708	-2.14357	8.322936	8.321097	8.287409	8.315658	8.409507	8.393713	8.365584	8.31259	8.342733	8.309758	8.445543	8.446257	8.435823	8.375732	8.419888	8.376728
MTSS1	cg1477268	0.11771	7.420294	4.85289	0.000177	0.001003	0.369402	7.976407	7.976252	7.995461	8.016755	8.016843	7.967047	8.001188	8.008154	8.061997	8.004436	8.101285	8.097853	8.139548	8.089014	8.055349	8.084112
PTPRK	cg0458387	0.117781	7.784366	3.172477	0.005918	0.017143	-3.2338	8.298326	8.275849	8.268848	8.204497	8.195478	8.209823	8.261635	8.276178	8.249979	8.254271	8.298163	8.305958	8.304699	8.335279	8.442726	8.372102
ARL11	cg2412576	0.117891	7.506754	7.029596	2.87E-06	3.58E-05	4.568962	8.06633	8.052121	8.076634	8.086999	8.094397	8.088989	8.073077	8.048446	8.03019	8.077331	8.158557	8.140234	8.132291	8.120747	8.134944	8.117592
EGR2	cg0797043	0.117954	7.704255	6.567986	6.52E-06	6.89E-05	3.683773	8.179164	8.215278	8.209741	8.207046	8.178055	8.218261	8.220947	8.202989	8.187095	8.172504	8.271666	8.280725	8.249595	8.263697	8.282016	8.311886
SYK	cg1378291	0.118029	7.736958	4.81139	0.000193	0.00107	0.210581	8.236409	8.22858	8.15082	8.1875	8.246495	8.18608	8.257448	8.217676	8.224681	8.217449	8.311648	8.296279	8.310394	8.354498	8.301867	8.290817
ZHX2	cg0888676	0.118033	6.875691	2.790801	0.013101	0.032619	-4.05647	7.685466	7.736016	7.689347	7.669054	7.687296	7.740699	7.657572	7.653668	7.751253	7.619049	7.692674	7.748641	7.784053	7.718554	7.764475	7.696015
RTN4	cg2699592	0.118107	6.713699	5.243704	8.07E-05	0.00053	0.927826	7.566695	7.589127	7.600268	7.623982	7.595683	7.573794	7.619162	7.584021	7.580737	7.597298	7.678077	7.676107	7.621368	7.646415	7.654861	7.661982
PLAGL1	cg0973036	0.118369	7.734008	5.716974	3.20E-05	0.000247	2.043185	8.197062	8.195581	8.197056	8.233466	8.239214	8.189675	8.200221	8.219238	8.262426	8.214948	8.327516	8.324592	8.326106	8.288984	8.292123	8.276306
MYH9	cg0215748	0.118596	7.472271	6.806368	4.25E-06	4.93E-05	4.168751	8.046461	8.02217	8.037327	8.019105	8.057639	8.035274	8.043	8.033976	8.034155	8.070898	8.16248	8.104193	8.11541	8.123797	8.122773	8.106241
RASSF1	cg0588509	0.118625	7.848202	10.82669	9.13E-09	3.96E-07	10.3854	8.307157	8.30776	8.319764	8.309332	8.283925	8.324584	8.29726	8.291434	8.29394	8.285816	8.364439	8.376851	8.374669	8.368454	8.377975	8.392007
RASSF8	cg2490786	0.118704	6.723563	6.22577	1.22E-05	0.000115	2.873252	7.59291	7.577792	7.589233	7.610765	7.601674	7.613185	7.585891	7.589317	7.613732	7.610349	7.677063	7.677422	7.685876	7.642815	7.638474	7.647149
DUSP22	cg0339551	0.118845	7.214929	4.054672	0.000923	0.003772	-1.28161	7.875412	7.879911	7.845351	7.895791	7.896808	7.898054	7.848083	7.868549	7.879432	7.914785	7.989452	7.993975	7.952104	7.923901	7.894313	7.944711
DMD	cg2119025	0.118998	7.707687	4.083157	0.000869	0.003603	-1.30125	8.15418	8.168639	8.165885	8.245533	8.195203	8.188789	8.238754	8.197739	8.159672	8.237248	8.258151	8.329995	8.329687	8.283021	8.258211	8.281688
GATA5	cg0474278	0.119204	7.834183	6.762589	4.60E-06	5.23E-05	4.001227	8.287047	8.28468	8.309294	8.272148	8.30908	8.313435	8.300638	8.25906	8.275912	8.299157	8.358009	8.405709	8.353332	8.369876	8.34212	8.376193
PPP2R5C	cg1810740	0.119212	6.945012	3.472423	0.003147	0.010268	-2.61818	7.679633	7.735714	7.774532	7.743763	7.756989	7.797762	7.714099	7.715407	7.677655	7.707683	7.799861	7.723455	7.818317	7.755332	7.747914	7.774281
ROBO1	cg1040720	0.119464	7.750911	7.774528	8.10E-07	1.31E-05	5.811192	8.223938	8.211277	8.21859	8.25384	8.226193	8.234006	8.211785	8.245562	8.237037	8.229062	8.301733	8.322235	8.347606	8.311213	8.301991	8.296647
ST7	cg0058950	0.119571	7.675192	10.85934	8.75E-09	3.85E-07	10.46269	8.168599	8.184849	8.166413	8.18525	8.167837	8.179139	8.173003	8.184111	8.162981	8.195153	8.262184	8.259248	8.267069	8.271504	8.251796	8.249229
PPM1L	cg1693220	0.119642	7.216825	4.323579	0.000526	0.002395	-0.71723	7.864436	7.883903	7.854655	7.868376	7.88375	7.885514	7.851643	7.852294	7.921489	7.91233	7.983238	7.974722	7.995871	7.938047	7.938069	7.912066
MCC	cg0844012	0.119956	7.887866	10.19763	2.12E-08	7.69E-07	9.511453	8.336056	8.34517	8.355518	8.335271	8.331298	8.324067	8.319809	8.316111	8.315245	8.325914	8.393313	8.399283	8.402561	8.385618	8.42207	8.424364
SPARCL1	cg0309030	0.120072	7.482063	5.868617	2.39E-05	0.000198	2.400622	8.018533	8.038063	8.054298	8.066332	8.0375	8.048171	8.060449	8.041963	8.010932	8.089771	8.148653	8.111977	8.141316	8.103911	8.13632	8.130565
ATF3	cg0106428	0.120219	7.096987	4.826424	0.000187	0.001045	0.31704	7.837348	7.796294	7.796952	7.813874	7.757964	7.772069	7.813937	7.822594	7.82852	7.796163	7.879359	7.851367	7.877067	7.891314	7.889855	7.927078
LAT2	cg1761332	0.120303	6.728607	7.913091	6.45E-07	1.11E-05	5.914281	7.585683	7.58939	7.583279	7.608505	7.60136	7.600697	7.59204	7.613259	7.60739	7.608076	7.691388	7.674041	7.668788	7.674572	7.639308	7.659727
MLH1	cg1764104	0.120519	6.877323	3.194855	0.005647	0.016498	-3.2379	7.675273	7.743135	7.706384	7.658625	7.745632	7.687973	7.641952	7.674287	7.690447	7.671759	7.691171	7.740461	7.780766	7.670314	7.764857	7.764688
CDH13	cg2708872	0.120531	7.197463	3.629488	0.002259	0.00784	-2.17519	7.839945	7.842661	7.844825	7.886127	7.899524	7.893634	7.846573	7.862997	7.873282	7.891041	7.951782	7.958256	8.017448	7.916306	7.885963	7.918875
CADM1	cg2702917	0.120679	6.754334	3.245407	0.005078	0.015203	-3.22336	7.615076	7.618414	7.613468	7.668187	7.586091	7.675726	7.614568	7.610372	7.604489	7.595797	7.722378	7.627339	7.689753	7.708756	7.66199	7.608565
ERF	cg1457628	0.120711	7.17386	5.116141	0.000104	0.000654	0.918267	7.877073	7.872779	7.864848	7.880907	7.879518	7.930314	7.860879	7.814941	7.827457	7.839886	7.936222	7.913725	7.905861	7.919569	7.911377	7.858201
CUX1	cg0648169	0.120935	6.855194	3.43759	0.003387	0.010927	-2.74074	7.648932	7.647751	7.693655	7.68957	7.641465	7.723178	7.627605	7.715011	7.636931	7.689683	7.719759	7.753512	7.748359	7.714668	7.698377	7.760907
DLEC1	cg1615070	0.121008	7.379894	5.606836	3.96E-05	0.000291	1.898309	7.941344	7.976789	7.988529	7.99493	7.985707	7.958563	7.974839	7.972027	7.985037	8.013574	8.101677	8.050993	8.079323	8.061114	8.025184	8.060931
FAS	cg0152100	0.121227	7.520653	3.976898	0.001086	0.004313	-1.47273	8.064749	8.054446	8.10776	8.03763	8.034298	8.151152	8.074399	8.053113	8.077215	8.084244	8.138061	8.187649	8.144457	8.166678	8.106813	8.167548
EMP2	cg0990364	0.121229	7.817327	6.69206	5.21E-06	5.74E-05	3.880668	8.291289	8.299607	8.296264	8.272863	8.313367	8.283164	8.260662	8.273733	8.22703	8.301718	8.343733	8.361859	8.337242	8.328788	8.379377	8.352336
SALL2	cg2647581	0.121248	7.148582	4.597741	0.000298	0.001521	-0.14954	7.828039	7.814589	7.855284	7.875203	7.853505	7.866937	7.798339	7.855637	7.82538	7.849823	7.910636	7.902956	7.957772	7.892879	7.890285	7.870615
TCF4	cg2315034	0.121292	7.679475	4.524777	0.000347	0.001721	-0.36381	8.142842	8.170064	8.165181	8.232076	8.143728	8.187341	8.154499	8.182267	8.195126	8.203984	8.266602	8.304384	8.29585	8.214776	8.269765	8.249617
AHNAK	cg0463815	0.121331	7.695483	8.586281	2.21E-07	4.77E-06	7.15548	8.17004	8.174852	8.186699	8.187451	8.189932	8.186174	8.176898	8.204408	8.203755	8.199131	8.268341	8.307174	8.286086	8.276828	8.287211	8.249316
CHD5	cg0034791	0.121356	7.70362	6.157008	1.39E-05	0.000127	2.905633	8.180799	8.194838	8.161857	8.146897	8.192816	8.215833	8.181098	8.209741	8.186789	8.243736	8.294926	8.289138	8.308948	8.287876	8.281217	8.269618
CADM1	cg1004375	0.121919	6.905404	4.559519	0.000323	0.001622	-0.34079	7.695014	7.700207	7.670895	7.653597	7.695223	7.708025	7.704383	7.681006	7.707797	7.720238	7.789834	7.777354	7.7615	7.721397	7.755828	7.820432
MTSS1	cg2482787	0.122287	7.418884	5.575189	4.21E-05	0.000308	1.831526	7.994243	7.983058	8.016614	7.984828	8.034633	7.971651	8.042714	7.968018	8.025303	8.012329	8.08329	8.1138	8.085198	8.08194	8.100877	8.077264
KANK1	cg1288573	0.122465	7.304356	4.937336	0.000149	0.000871	0.55484	7.955998	7.925961	7.914716	7.937587	7.967802	7.987917	7.898897	7.930735	7.938574	7.931988	8.011154	8.027684	8.030186	7.968017	7.970197	7.998198
TRIM3	cg2219982	0.122493	7.581566	3.464741	0.003199	0.010415	-2.56628	8.054569	8.105183	8.111916	8.037024	8.096397	8.104128	8.112302	8.1367	8.099941	8.17426	8.165652	8.200556	8.270796	8.241716	8.144968	8.254961
PPM1L	cg2189518	0.122833	7.575988	5.451653	5.35E-05	0.000375	1.56111	8.104124	8.100642	8.095612	8.098951	8.150375	8.109562	8.082129	8.110434	8.132422	8.112653	8.201427	8.217174	8.203053	8.165677	8.144212	8.215801
MTSS1	cg2463078	0.122839	7.681107	10.57132	1.28E-08	5.18E-07	10.07609	8.187072	8.179108	8.206264	8.192021	8.193718	8.175746	8.158115	8.177414	8.186279	8.181301	8.266779	8.253362	8.268713	8.24641	8.25269	8.268173
SMAD4	cg2141720	0.122943	7.160771	6.185337	1.32E-05	0.000122	3.026707	7.851554	7.855318	7.850601	7.869394	7.88056	7.802897	7.830764	7.849042	7.84927	7.837478	7.906594	7.915262	7.92141	7.917787	7.89472	7.933624
NFKB1	cg0198310	0.12299	7.88145	5.711873	3.23E-05	0.000249	1.985155	8.328536	8.37305	8.368392	8.346847	8.35864	8.310038	8.338908	8.279526	8.291993	8.309572	8.365275	8.36685	8.40957	8.431733	8.395714	8.383391
TP63	cg2172348	0.123079	7.439046	5.830342	2.57E-05	0.000209	2.332019	7.992068	8.016284	8.034788	8.00841	8.02191	8.05425	8.012478	8.004222	8.044456	8.011775	8.134298	8.103608	8.097065	8.103721	8.088985	8.056801
DACH1	cg0652475	0.123791	7.053996	5.636951	3.73E-05	0.000279	1.927943	7.788177	7.781517	7.78887	7.809918	7.844452	7.794494	7.784661	7.771426	7.758523	7.766567	7.832381	7.846597	7.875217	7.856055	7.802999	7.836145
WNT5A	cg0764845	0.124129	7.224141	4.995512	0.000133	0.00079	0.67556	7.850614	7.864385	7.894418	7.896703	7.908781	7.88392	7.868662	7.865487	7.899884	7.901917	7.992174	7.978085	7.984105	7.914062	7.951943	7.936883
TCF7L2	cg1715006	0.124335	7.843064	3.262244	0.004901	0.014788	-3.07096	8.250594	8.235179	8.294651	8.326393	8.300189	8.362282	8.311569	8.281913	8.341127	8.235364	8.423516	8.402486	8.406726	8.34647	8.305576	8.397194
SYNPO2	cg0297166	0.124387	6.865254	4.8225	0.000188	0.001053	0.169189	7.673734	7.683718	7.658599	7.702085	7.688512	7.682174	7.668253	7.688074	7.635889	7.688735	7.742493	7.692988	7.789305	7.735498	7.747611	7.72003
ABCG2	cg0437254	0.124522	7.524642	8.369038	3.11E-07	6.30E-06	6.841632	8.068932	8.090782	8.07169	8.061099	8.083112	8.106741	8.056833	8.066033	8.071225	8.093032	8.165881	8.164361	8.160132	8.151756	8.137153	8.141879
UIMC1	cg1642591	0.124678	7.781938	4.606049	0.000293	0.0015	-0.22905	8.252891	8.242287	8.23335	8.252906	8.191649	8.293803	8.276219	8.20843	8.2689	8.260731	8.354606	8.34415	8.351172	8.360397	8.278986	8.354123
FOXP1	cg0097075	0.12499	7.834048	8.048824	5.18E-07	9.29E-06	6.246278	8.290195	8.288044	8.288807	8.309441	8.257301	8.323737	8.27576	8.293201	8.268562	8.294026	8.380542	8.375059	8.366898	8.374187	8.346582	8.382087
NFKB1	cg1540971	0.125061	7.762937	3.115875	0.006664	0.018866	-3.33156	8.26298	8.176526	8.21981	8.332369	8.296225	8.300393	8.226894	8.269074	8.20794	8.17745	8.368185	8.295918	8.334426	8.26161	8.269119	8.311481
HEPACAM	cg2032556	0.125232	7.500322	5.174227	9.27E-05	0.000595	1.015561	8.080003	8.062413	8.017173	8.013696	8.093215	8.029671	8.083888	8.047193	8.056601	8.070604	8.152566	8.137484	8.141312	8.176319	8.111499	8.160547
TCF4	cg1699657	0.125973	7.782401	5.622204	3.84E-05	0.000285	1.842712	8.227023	8.231778	8.230035	8.260151	8.274017	8.290271	8.282099	8.234296	8.267314	8.211772	8.348088	8.360155	8.346289	8.323712	8.339564	8.301944
HOPX	cg1967332	0.125973	7.028761	9.303314	7.52E-08	2.07E-06	8.27853	7.75272	7.772167	7.778729	7.777224	7.757059	7.777529	7.76973	7.753841	7.755799	7.780974	7.837686	7.831404	7.853107	7.828316	7.826496	7.847276
TP63	cg0448924	0.126164	7.226214	4.073882	0.000886	0.003656	-1.24129	7.863323	7.851692	7.862534	7.900584	7.925181	7.906059	7.873505	7.868393	7.913401	7.881758	8.012749	7.990008	7.983674	7.920752	7.922611	7.937535

APC	cg1765585	0.126198	7.630238	5.726785	3.14E-05	0.000244	2.093248	8.135261	8.105799	8.137473	8.169318	8.135323	8.156301	8.133657	8.175285	8.142263	8.142648	8.228412	8.238254	8.26539	8.243394	8.248433	8.178332
NEDD4L	cg1746715	0.126287	6.734967	7.29129	1.82E-06	2.48E-05	4.840783	7.593053	7.603488	7.600582	7.604531	7.610529	7.617701	7.593341	7.601194	7.605309	7.610382	7.692349	7.675638	7.665958	7.624488	7.672843	7.680315
GSK3B	cg1758239	0.12634	7.088959	3.247364	0.005057	0.015148	-2.99403	7.812237	7.835875	7.829049	7.764682	7.851942	7.807551	7.701898	7.851415	7.794934	7.826364	7.866199	7.879154	7.860239	7.879644	7.877534	7.836025
RARB	cg0781065	0.126424	7.66139	8.7261	1.79E-07	4.05E-06	7.38474	8.178964	8.171845	8.178645	8.150473	8.175115	8.135203	8.141544	8.174584	8.169939	8.182542	8.258191	8.247416	8.240099	8.262965	8.257987	8.251133
STARD13	cg0551256	0.126466	7.604081	7.162076	2.28E-06	2.96E-05	4.785129	8.119932	8.11242	8.104987	8.113469	8.141912	8.13385	8.112013	8.132205	8.158269	8.123013	8.211507	8.240407	8.237382	8.217864	8.181408	8.209012
FOXP1	cg2207631	0.126545	6.856977	3.967015	0.001109	0.004387	-1.62073	7.656261	7.621353	7.642828	7.686028	7.688962	7.680122	7.640196	7.675361	7.688448	7.690801	7.761903	7.78261	7.780972	7.708065	7.71284	7.710284
NEDD4L	cg0293749	0.126733	6.76441	4.257122	0.000604	0.002685	-1.08552	7.623843	7.600201	7.612668	7.640124	7.635721	7.642661	7.581554	7.597767	7.642183	7.639589	7.721052	7.698275	7.717042	7.650649	7.653405	7.65117
LIMA1	cg1031954	0.126796	7.487752	4.561393	0.000321	0.001619	-0.24189	8.089344	8.096835	8.01822	8.014215	8.058875	8.035657	8.039162	8.049655	8.060623	8.046711	8.134967	8.145439	8.081829	8.139932	8.180157	8.108238
CTNND1	cg0127070	0.126832	6.856931	3.87282	0.001352	0.005154	-1.8195	7.663684	7.622371	7.6768	7.648929	7.661431	7.705654	7.668809	7.644327	7.673715	7.705923	7.785458	7.760122	7.740538	7.765879	7.682271	7.720723
CREM	cg1742692	0.12708	7.469499	7.474712	1.34E-06	1.95E-05	5.356598	8.03918	8.060566	8.055838	8.030197	8.046153	8.08227	8.028806	8.011277	8.054149	8.024598	8.114098	8.137256	8.106211	8.09208	8.10344	8.118201
DMD	cg2610605	0.12716	7.119025	9.571528	5.10E-08	1.53E-06	8.700352	7.801287	7.83426	7.812951	7.810891	7.806123	7.821506	7.822976	7.826514	7.827109	7.812899	7.874454	7.899444	7.907444	7.890451	7.905462	7.908138
HIVEP1	cg1427150	0.127553	6.871013	6.198471	1.28E-05	0.00012	2.915944	7.667427	7.685478	7.691463	7.683093	7.685892	7.71909	7.654894	7.688735	7.654953	7.680996	7.769139	7.718393	7.748498	7.725651	7.716733	7.757949
RASSF8	cg0210263	0.127615	7.788548	4.398102	0.00045	0.002131	-0.66078	8.226257	8.285258	8.230774	8.261028	8.280856	8.325287	8.241022	8.220707	8.263108	8.256817	8.35277	8.352041	8.383938	8.322186	8.275892	8.320229
STAT3	cg0313139	0.127637	6.918358	5.280139	7.51E-05	0.000497	1.139135	7.725679	7.700491	7.709288	7.703206	7.695255	7.751789	7.704644	7.688787	7.709372	7.684055	7.800014	7.717542	7.79237	7.778351	7.765384	7.75138
DKK3	cg0254974	0.12766	7.475808	3.120222	0.006604	0.018731	-3.2545	8.029653	8.021492	8.03712	7.983857	8.017283	8.026137	8.016141	8.020889	8.190017	8.001	8.145814	8.141226	8.176968	8.130052	8.118552	8.123863
RHOBTB2	cg1095169	0.127796	7.045174	6.085487	1.59E-05	0.000142	2.803951	7.754954	7.758688	7.770325	7.770396	7.789322	7.791062	7.756374	7.769942	7.784722	7.800367	7.869144	7.865838	7.881984	7.817211	7.832992	7.843512
CLU	cg2231357	0.127926	7.632541	4.333556	0.000515	0.002354	-0.75088	8.133349	8.128129	8.121859	8.14749	8.123326	8.16901	8.1037	8.154116	8.19142	8.158751	8.279596	8.260707	8.242647	8.273704	8.200308	8.174383
MAL	cg1010846	0.128231	7.472297	6.418462	8.56E-06	8.53E-05	3.453833	8.029587	8.052237	8.057063	8.065276	8.063394	8.045473	8.055633	8.031176	7.998046	8.044359	8.078496	8.141427	8.11805	8.137884	8.095232	8.121015
CADM1	cg1715470	0.128474	7.43565	8.553038	2.33E-07	4.97E-06	7.145505	8.007862	8.02397	8.026226	8.020038	8.037886	8.016772	8.010978	7.987967	8.023932	8.025454	8.113464	8.095185	8.109178	8.092014	8.06812	8.089815
PBRM1	cg0833233	0.12852	7.794324	5.819158	2.63E-05	0.000213	2.230286	8.275755	8.288673	8.243521	8.292367	8.293445	8.266636	8.231589	8.236339	8.235425	8.282303	8.330173	8.351792	8.371766	8.28452	8.326256	8.351886
HIVEP3	cg1522788	0.128587	7.823913	5.478146	5.08E-05	0.000359	1.537279	8.275117	8.287624	8.242247	8.304931	8.247869	8.281585	8.268852	8.326103	8.289989	8.242457	8.366574	8.371871	8.364888	8.419516	8.371588	8.339692
MAP3K4	cg2758835	0.128871	7.324799	4.56257	0.000321	0.001617	-0.22172	7.917075	7.99085	7.901749	7.956297	7.961618	7.953397	7.91948	7.929354	7.960058	7.967489	8.069318	8.02981	8.048093	8.000613	8.010811	7.989592
SPOP	cg2144990	0.128891	7.850258	4.373133	0.000474	0.002213	-0.74759	8.290284	8.306654	8.301634	8.274108	8.306918	8.23995	8.226758	8.322536	8.38106	8.285188	8.395296	8.404886	8.404071	8.380859	8.402732	8.380834
PPP2R5C	cg1202603	0.129065	7.262648	6.975759	3.15E-06	3.86E-05	4.49123	7.895348	7.913062	7.929656	7.903842	7.954005	7.91306	7.884769	7.909005	7.900169	7.902325	7.966087	7.999926	7.989448	7.994216	7.966729	7.952984
ABCG2	cg1775639	0.129248	7.584376	4.867201	0.000172	0.000979	0.376728	8.114744	8.121277	8.146832	8.175898	8.134066	8.167242	8.112274	8.075816	8.060076	8.135785	8.185148	8.205523	8.201625	8.13353	8.156136	8.208346
RNH1	cg0170447	0.129426	7.862718	6.715008	5.00E-06	5.57E-05	3.902084	8.289728	8.334805	8.324539	8.346699	8.283575	8.309826	8.297421	8.283827	8.313167	8.307133	8.39794	8.402225	8.391738	8.346862	8.400159	8.41372
PPP2CB	cg0938899	0.129485	7.003005	3.25006	0.005028	0.015086	-3.0257	7.742347	7.711057	7.729065	7.752492	7.770428	7.785575	7.69874	7.742286	7.797678	7.773148	7.879555	7.880106	7.847125	7.775707	7.796415	7.782536
PTPRC	cg0738818	0.129751	7.501526	3.61373	0.002335	0.008047	-2.23083	8.060653	8.019869	8.074465	8.087883	8.022445	8.161243	8.079622	8.029157	8.027621	8.068395	8.155107	8.156155	8.142744	8.075689	8.124611	8.161371
ADARB1	cg0551600	0.129762	7.795067	8.613908	2.12E-07	4.65E-06	7.17471	8.24914	8.249999	8.244011	8.275164	8.26665	8.253495	8.27774	8.22973	8.272309	8.255641	8.350038	8.356577	8.376027	8.328728	8.347585	8.338942
SGMS1	cg0323618	0.129935	6.809431	2.978892	0.008872	0.023791	-3.73442	7.603113	7.713486	7.683745	7.628211	7.68812	7.710629	7.673571	7.590457	7.617728	7.623292	7.733008	7.666003	7.689415	7.629782	7.735793	7.718262
ALDH1A2	cg1203196	0.130063	7.245027	6.556684	6.65E-06	7.01E-05	3.726624	7.897188	7.88881	7.876255	7.893863	7.897762	7.891764	7.893818	7.885927	7.911697	7.898824	7.985113	7.9962	7.979227	7.966613	8.012021	7.925185
TSPAN32	cg0978503	0.130163	7.803903	3.245893	0.005072	0.015191	-3.08141	8.251968	8.21861	8.287331	8.411162	8.292928	8.251957	8.269026	8.266864	8.247304	8.222446	8.370092	8.348702	8.375132	8.277392	8.335314	8.347936
EGR2	cg2290390	0.130205	7.499213	5.542861	4.48E-05	0.000322	1.758933	8.073604	8.084743	8.112318	8.056917	8.029281	8.06517	8.050068	7.996095	8.080962	8.068906	8.13682	8.120463	8.138461	8.135154	8.139049	8.13219
MLH1	cg0477702	0.130281	7.835321	6.888936	3.67E-06	4.37E-05	4.227895	8.27691	8.309635	8.237275	8.32003	8.288929	8.258167	8.307659	8.276479	8.288712	8.282276	8.38299	8.383478	8.390744	8.394495	8.358789	8.374141
AKAP12	cg2104732	0.13041	7.064767	4.489931	0.000372	0.001826	-0.39447	7.748531	7.787987	7.750151	7.743101	7.800425	7.795441	7.837093	7.812515	7.793213	7.743224	7.876684	7.845062	7.865221	7.90595	7.865457	7.876264
PPP2R5C	cg2702232	0.130997	7.401281	6.977249	3.14E-06	3.86E-05	4.485841	7.977266	7.986954	7.982974	7.999494	8.033719	7.988285	8.009598	7.991459	8.009123	7.958476	8.0817	8.084492	8.076141	8.092499	8.060663	8.058577
IQGAP2	cg0999818	0.131195	7.225713	5.01016	0.000129	0.000772	0.705304	7.873125	7.869103	7.84801	7.908713	7.890038	7.880753	7.8881	7.858312	7.895854	7.901079	7.988956	7.980228	7.998839	7.959974	7.966951	7.900968
CHD5	cg1747976	0.131216	7.353563	5.85774	2.44E-05	0.000201	2.3919	7.902196	7.929625	7.944514	7.959847	7.966539	7.93723	7.96896	7.984588	7.985263	7.966532	8.081712	8.054816	8.080814	8.005891	8.070921	8.063695
PARK2	cg0292540	0.131219	7.562614	8.264182	3.67E-07	7.14E-06	6.666365	8.09562	8.109627	8.086458	8.105511	8.125426	8.119719	8.104387	8.081751	8.097321	8.090232	8.197625	8.193482	8.180656	8.199493	8.158973	8.152506
ZHX2	cg1039649	0.131238	7.505011	6.711611	5.03E-06	5.59E-05	3.991792	8.055205	8.066507	8.056459	8.052168	8.069345	8.082624	8.041697	8.037981	8.072201	8.081861	8.138604	8.161797	8.181009	8.148313	8.106153	8.130405
CEBPD	cg0150436	0.131375	7.758878	6.689628	5.24E-06	5.76E-05	3.893235	8.240336	8.242525	8.229844	8.23575	8.244798	8.248514	8.203308	8.208026	8.227595	8.270818	8.321958	8.323593	8.359083	8.300932	8.284012	8.321572
NRF1	cg2255298	0.131742	7.838914	4.675338	0.000254	0.00134	-0.1022	8.27589	8.263618	8.344008	8.317437	8.346051	8.286977	8.315977	8.270061	8.295598	8.23076	8.401326	8.372251	8.343298	8.34122	8.357185	8.409605
ST7	cg1924767	0.131872	7.455077	7.16018	2.29E-06	2.96E-05	4.806706	8.023152	8.002197	8.055601	8.034322	8.028759	8.038977	8.025188	8.023506	8.049173	8.005751	8.11661	8.127022	8.108871	8.118513	8.125538	8.070544
RBL2	cg0000002	0.132202	7.175256	3.391222	0.003735	0.011788	-2.67394	7.832328	7.826931	7.829774	7.881085	7.872935	7.878491	7.81533	7.821349	7.881632	7.887225	7.992755	7.955126	7.982349	7.88429	7.883568	7.887731
LIMD1	cg2149230	0.132279	7.35304	6.395514	8.93E-06	8.83E-05	3.42114	7.970683	7.967891	7.960735	7.979157	7.937304	7.932148	7.962892	7.94998	7.980723	7.964417	8.010174	8.079134	8.045121	8.047457	8.077298	8.029197
FAM188A	cg0628428	0.132474	7.055383	4.79831	0.000198	0.001093	0.234894	7.790045	7.801571	7.79303	7.760703	7.801404	7.762865	7.807115	7.799693	7.754222	7.75246	7.817884	7.822897	7.845142	7.910883	7.867195	7.866698
CHST10	cg0385398	0.132587	7.218301	6.466411	7.84E-06	7.92E-05	3.558761	7.882164	7.886176	7.884714	7.852995	7.846697	7.849823	7.868887	7.902662	7.868133	7.899478	7.957547	7.931834	7.951519	7.993078	7.986721	7.973261
SFRP1	cg0000032	0.132863	7.664221	7.881417	6.79E-07	1.15E-05	6.0126	8.15141	8.150124	8.146037	8.164125	8.16979	8.1596	8.148601	8.167444	8.191399	8.182545	8.279063	8.269306	8.287847	8.233641	8.235476	8.273244
MAPK10	cg1300104	0.133115	7.301434	5.294477	7.30E-05	0.000485	1.28052	7.91229	7.89452	7.914347	7.937198	7.965699	7.958679	7.936136	7.934736	7.923162	7.921072	8.048264	8.026334	8.01905	8.026789	7.983547	7.966204
ZBTB7C	cg2082535	0.133229	7.128433	4.745233	0.00022	0.001196	0.154232	7.819619	7.793735	7.801466	7.826886	7.844967	7.835891	7.795892	7.815418	7.833162	7.858623	7.910887	7.947832	7.943252	7.870376	7.890401	7.866776
CACNA2D3	cg0109094	0.133339	7.671859	3.895234	0.00129	0.004974	-1.67976	8.142139	8.171067	8.167872	8.165994	8.261991	8.186864	8.112257	8.186449	8.164529	8.198407	8.296096	8.271981	8.293666	8.253205	8.21432	8.20751
EMP1	cg0736002	0.133405	7.023854	4.418653	0.000432	0.002059	-0.57129	7.739349	7.771081	7.770254	7.769327	7.784959	7.795664	7.741289	7.721431	7.786369	7.777463	7.892498	7.853355	7.839084	7.813982	7.819514	7.780557
CADM1	cg1379012	0.133518	7.355828	5.573072	4.22E-05	0.000309	1.83448	7.947445	7.953823	7.99234	7.980306	7.990485	7.9985	7.931298	7.975145	7.939184	7.976185	8.021834	8.083569	8.060599	8.018936	8.044656	8.007304
KANK1	cg0838367	0.133579	7.516253	9.099863	1.02E-07	2.62E-06	7.9861	8.063735	8.069253	8.052814	8.100986	8.083735	8.073308	8.057888	8.075652	8.061977	8.057135	8.171645	8.155123	8.153822	8.133611	8.134052	8.15677
RND3	cg1990735	0.134508	7.449893	5.69879	3.31E-05	0.000254	2.071245	8.015356	8.005083	7.964334	8.021566	8.014067	8.041319	8.069663	8.033905	7.998647	8.024783	8.113588	8.12294	8.129765	8.153122	8.10676	8.08748
ANXA1	cg1082298	0.134514	7.740556	3.203642	0.005543	0.016287	-3.15383	8.159238	8.179244	8.183169	8.285541	8.206151	8.217645	8.212525	8.191107	8.264692	8.239401	8.366109	8.36652	8.363509	8.296256	8.211341	8.320907
MME	cg2318465	0.134525	7.610616	6.588884	6.28E-06	6.68E-05	3.74578	8.115312	8.111499	8.114644	8.166822	8.141947	8.136824	8.139161	8.108419	8.143094	8.125732	8.229848	8.220442	8.264883	8.19246	8.203974	8.205806
FBLN1	cg1863356	0.134868	7.752585	10.21884	2.06E-08	7.56E-07	9.576877	8.253086	8.251515	8.220033	8.232634	8.233528	8.231581	8.219325	8.233339	8.197827	8.232987	8.290727	8.312671	8.316841	8.327027	8.319739	8.318487
EPB41L3	cg1303436	0.135146	7.149354	6.097246	1.55E-05	0.000139	2.857651	7.870375	7.835608	7.829021	7.815998	7.804404	7.828989	7.854072	7.840382	7.831661	7.829191	7.915101	7.880252	7.902571	7.944552	7.952182	7.923282
HACE1	cg1549590	0.135497	7.474308	5.358855	6.43E-05	0.000438	1.3944	8.020605	8.009416	8.081959	8.073241	8.043356	8.06027	8.019028	8.074066	8.037371	8.005799	8.125174	8.121243	8.122284	8.104096	8.165483	8.093717
RNF8	cg1018016	0.135511	7.876271	4.502726	0.000363	0.001788	-0.49032	8.283166	8.307595	8.257064	8.258084	8.286183	8.398713	8.331437	8.332824	8.340312	8.288507	8.435827	8.447082	8.406076	8.385491	8.430171	8.415457
CDKN1A	cg1890081	0.13579	7.350563	5.103009	0.000107	0.000667	0.888314	7.913929	7.922091	7.947174	7.956945	7.936584	7.971943	7.927268	7.985325	7.982592	7.987843	8.077715	8.101284	8.05887	8.025751	8.064285	8.012924
NRCAM	cg0351492	0.135814	7.661027	8.454486	2.72E-07	5.62E-06	6.954979	8.159421	8.192262	8.164327	8.154231	8.165648	8.168702	8.149165	8.149643	8.176559	8.170437	8.260497	8.247299	8.265258	8.216833	8.253706	8.278963
TMEFF2	cg0039771	0.135819	7.716393	8.851945	1.47E-07	3.51E-06	7.569606	8.197643	8.201622	8.191521	8.19809	8.234518	8.217091	8.20172	8.180476	8.206402	8.205627	8.315579	8.292962	8.307291	8.283861	8.264453	8.287924
CLU	cg1491724	0.135825	7.640281	8.127067	4.56E-07	8.41E-06	6.427707	8.136491	8.146675	8.135588	8.175077	8.143902	8.174131	8.140977	8.146834	8.147156	8.157575	8.24371	8.260807	8.257415	8.216379	8.211594	8.250657
CREM	cg1144993	0.135895	7.211219	4.79646	0.000199	0.001096	0.266	7.902257	7.85442	7.858485	7.854809	7.919229	7.879046	7.871634	7.86151	7.873185	7.873924	7.985396	7.973259	7.922018	7.900566	7.996153	7.938834
IGF1	cg2516361	0.136042	7.081356	4.541676	0.000335	0.001673	-0.28385	7.775172	7.755354	7.775146	7.836078	7.801258	7.812428	7.821052	7.782478	7.794623	7.789195	7.885799	7.895115	7.909884	7.89093	7.869932	7.808422
RARB	cg1746816	0.136399	7.538427	8.819342	1.55E-07	3.62E-06	7.551673	8.094814	8.070018	8.075285	8.092704	8.082981	8.089013	8.070428	8.08371	8.055249	8.108312	8.174144	8.171666	8.177618	8.183684	8.139999	8.169836
HIVEP3	cg1173500	0.136509	7.178795	5.439488	5.48E-05	0.000382	1.571934	7.854896	7.846591	7.85036	7.842339	7.87052	7.834068	7.843514	7.860625	7.878329	7.838571	7.940463	7.883389	7.993225	7.914426	7.945294	7.949167
PLAGL1	cg0489523	0.136869	7.784768	8.933026	1.30E-07	3.20E-06	7.678771	8.241843	8.257891	8.260867	8.237724	8.24387	8.29899	8.228904	8.26099	8.236001	8.250352	8.334344	8.34682	8.345935	8.351249	8.324596	8.334383
ZBTB4	cg2757931	0.137069	7.073541	4.970608	0.000139	0.000823	0.598185	7.750723	7.776701	7.81553	7.8143	7.818137	7.769633	7.776007	7.788609	7.797596	7.798315	7.9087	7.836342	7.911088	7.842798	7.853851	7.869148
DMD	cg0888817	0.137725	7.277938	4.099287	0.00084	0.003499	-1.18853	7.921165	7.898558	7.899891	7.942624	7.955398	7.999762	7.90454	7.91501	7.853701	7.928716	8.015326	8.004569	8.001379	7.991398	7.923349	7.975365
DLG1	cg1348957	0.137821	7.576785	7.807475	7.67E-07	1.26E-05	5.907594	8.10013	8.115978	8.080943	8.133444	8.107367	8.129098	8.092136	8.107882	8.102508	8.11126	8.207533	8.212282	8.209036	8.20447	8.157532	8.181328
PACRG	cg0632872	0.137874	6.770689	8.328441	3.31E-07	6.63E-06	6.628315	7.614675	7.609651	7.634572	7.602874	7.631911	7.611425	7.612613	7.624924	7.624814	7.624691	7.690871	7.707771	7.687066	7.719173	7.704002	7.66171
HPGD	cg2515458	0.138122	7.513171	13.00554	6.48E-10	5.64E-08	13.10832	8.074569	8.073007	8.061548	8.063472	8.054259	8.065824	8.052091	8.073395	8.057894	8.069488	8.150793	8.152719	8.150529	8.172554	8.152953	8.144106
MME	cg0099223	0.138218	7.201646	5.346404	6.59E-05	0.000446	1.386123	7.882452	7.859691	7.867757	7.846505	7.889669	7.899266	7.834946	7.879812	7.865137	7.868884	7.970451	7.952822	7.940042	7.977539	7.881633	7.952964
ERBB4	cg1017721	0.138266	7.857127	10.50394	1.40E-08	5.57E-07	9.946687	8.2946	8.318571	8.333044	8.334035	8.314387	8.292212	8.278692	8.307475	8.27382	8.302024	8.382704	8.394067	8.381757	8.39242	8.393459	8.385534
NCOA4	cg2384996	0.138278	7.536136	7.820869	7.50E-07	1.25E-05	5.935378	8.090001	8.063948	8.053601	8.09048	8.046307	8.082443	8.076345	8.070778	8.096223	8.092845	8.174856	8.176852	8.201069	8.190268	8.140952	8.169719
MIA2	cg1058059	0.138551	7.628888	5.785408	2.80E-05	0.000225	2.208115	8.123308	8.145338	8.120938	8.105024	8.158927	8.136622	8.125723	8.112135	8.189197	8.161054	8.249491	8.260598	8.269697	8.194795	8.245521	8.224319
UNC5B	cg0426905	0.138823	6.835451	4.931567	0.000151	0.000879	0.392716	7.623583	7.633342	7.662967	7.610256	7.630227	7.613896	7.713256	7.622386	7.665277	7.68353	7.742601	7.729857	7.743544	7.747265	7.729152	7.788998
CADM1	cg1891780	0.138864	7.599442	9.900264	3.20E-08	1.06E-06	9.154272	8.118183	8.121752	8.142004	8.131213	8.167036	8.11611	8.100826	8.128353	8.117071	8.111395	8.21409	8.211689	8.215658	8.2008	8.203292	8.198432
NFATC1	cg2304693	0.13902	6.773379	7.15615	2.30E-06	2.98E-05	4.627414	7.638842	7.60312	7.628612	7.608643	7.61685	7.643099	7.639684	7.607166	7.619943	7.614577	7.703261	7.678207	7.695011	7.730591	7.672697	7.685559
KLF5	cg2300165	0.139026	7.785149	4.078324	0.000878	0.00363	-1.33571	8.273927	8.274293	8.220317	8.194638	8.308211	8.22358	8.191063	8.269412	8.227286	8.306483	8.344288	8.382101	8.325515	8.384038	8.310704	8.326726
RARB	cg1215013	0.139077	7.567762	12.25696	1.54E-09	1.08E-07	12.23516	8.106336	8.093192	8.085356	8.102033	8.080782	8.117973	8.092463	8.110727	8.093484	8.109022	8.196836	8.191146	8.200728	8.188975	8.195058	8.191649
TCF4	cg1517191	0.139145	7.298068	7.717919	8.89E-07	1.41E-05	5.784945	7.941644	7.938276	7.937955	7.947666	7.897412	7.934622	7.947786	7.905216	7.911335	7.922366	7.99939	8.009856	7.982892	8.035223	8.016991	8.004107
ST7	cg0506972	0.139246	7.74278	5.101945	0.000107	0.000668	0.806942	8.234531	8.222504	8.245234	8.230807	8.183915	8.174164	8.204794	8.192511	8.192448	8.296598	8.320923	8.306651	8.316903	8.342486	8.290824	8.329333
DMD	cg1643630	0.139654	6.847945	4.491721	0.000371	0.001821	-0.5256	7.659329	7.635465	7.657381	7.655025	7.683781	7.662198	7.618668	7.665728	7.679931	7.690213	7.754141	7.782994	7.74846	7.761419	7.717273	7.674654
KANK1	cg2553076	0.140096	7.642398	3.366018	0.003939	0.01233	-2.77601	8.104871	8.225803	8.222191	8.236074	8.108312	8.210829	8.123509	8.095006	8.114584	8.185748	8.208439	8.24927	8.255089	8.243014	8.159576	8.22847
CDH13	cg0041141	0.140199	7.58155	5.215615	8.53E-05	0.000554	1.084089	8.071211	8.091089	8.087491	8.129811	8.128907	8.130357	8.110672	8.117105	8.120966	8.09297	8.224675	8.232791	8.216292	8.222978	8.128084	8.201326
KLF5	cg0785308	0.140307	7.123894	6.533279	6.94E-06	7.20E-05	3.671645	7.813914	7.867445	7.857002	7.819367	7.84184	7.870187	7.779828	7.823763	7.800383	7.813168	7.869851	7.876684	7.915641	7.894498	7.867593	7.896868
MTUS1	cg1607473	0.140816	7.296939	7.521932	1.23E-06	1.82E-05	5.449734	7.901983	7.916778	7.918145	7.901938	7.920923	7.934736	7.926018	7.918441	7.942244	7.934031	8.010431	8.025108	8.045858	7.97727	8.005861	8.04408
FOXP1	cg2183690	0.140845	6.846833	3.790949	0.001607	0.005926	-1.99951	7.604411	7.644312	7.634453	7.685888	7.682363	7.677626	7.661207	7.633444	7.682693	7.681851	7.771018	7.760243	7.806765	7.705244	7.708193	7.699191
TGFBR3	cg0361393	0.142118	7.203068	5.216033	8.53E-05	0.000554	1.123341	7.870813	7.847451	7.823139	7.818006	7.886904	7.834719	7.862023	7.855953	7.926807	7.870513	7.948578	7.984891	8.000422	7.950858	7.938698	7.969139
TCF4	cg0808255	0.142896	7.606604	3.2433	0.0051	0.015251	-3.02254	8.099279	8.131044	8.166003	8.191765	8.157862	8.154998	8.05641	8.146912	8.198607	8.041443	8.291103	8.223799	8.168769	8.156859	8.190985	8.204564
CADM1	cg1055308	0.142989	7.45135	9.037467	1.11E-07	2.83E-06	7.897225	8.035808	8.007253	8.011007	8.013503	8.035079	8.039553	8.029844	8.006454	8.010595	8.040144	8.10817	8.120744	8.1384	8.11587	8.115222	8.087737
PPP2R5C	cg1765450	0.143077	7.186087	5.012555	0.000128	0.00077	0.708802	7.821779	7.835875	7.846617	7.881798	7.88987	7.866377	7.864312	7.851073	7.859364	7.847619	7.942819	7.985908	7.957671	7.972294	7.886802	7.907815
HCAR2	cg2345427	0.143127	7.745191	12.54457	1.10E-09	8.47E-08	12.55867	8.213112	8.238056	8.212841	8.229364	8.232167	8.217725	8.20941	8.236783	8.199439	8.222805	8.310966	8.322098	8.312363	8.313502	8.311872	8.326811
MME	cg0207185	0.143223	7.776288	8.095795	4.80E-07	8.77E-06	6.343222	8.246606	8.221345	8.24384	8.297199	8.250247	8.252802	8.240768	8.242735	8.21613	8.239713	8.343522	8.330981	8.357622	8.343302	8.307468	8.325071
NUMB	cg2148525	0.143563	7.851952	5.16182	9.50E-05	0.000608	0.897585	8.276692	8.336558	8.355588	8.300048	8.310028	8.382346	8.233807	8.310711	8.293403	8.263006	8.384782	8.384245	8.378568	8.411516	8.3637	8.335624
LRIG1	cg0115406	0.143717	7.691846	8.603589	2.16E-07	4.68E-06	7.186439	8.195925	8.176058	8.192441	8.215696	8.204	8.172148	8.21921	8.164274	8.162862	8.160926	8.273832	8.263783	8.275283	8.289605	8.28428	8.263594
NRF1	cg2572068	0.143802	7.634536	11.37299	4.53E-09	2.33E-07	11.13853	8.155399	8.157415	8.167108	8.135061	8.157034	8.171067	8.136873	8.123445	8.151081	8.130943	8.225074	8.239161	8.237	8.248276	8.213701	8.232549
PGR	cg2273368	0.144098	7.2563	10.0594	2.56E-08	8.93E-07	9.403718	7.910034	7.901273	7.904105	7.920642	7.907099	7.910422	7.868883	7.892534	7.906481	7.903062	8.002553	7.98539	7.989347	7.963822	7.966635	7.979593
SASH1	cg1394572	0.144295	7.667231	4.170017	0.000725	0.003103	-1.10057	8.144746	8.178708	8.135889	8.188276	8.142878	8.256982	8.147168	8.160378	8.186184	8.148708	8.284808	8.25753	8.307509	8.180903	8.271666	8.251893
ZFHX3	cg0390139	0.144344	7.694193	8.724568	1.79E-07	4.05E-06	7.371931	8.162558	8.153249	8.144073	8.188626	8.179808	8.176022	8.217617	8.203347	8.178047	8.178212	8.301025	8.288979	8.301695	8.31308	8.261272	8.295782
RAB7A	cg1173061	0.144917	7.702709	6.002173	1.86E-05	0.000162	2.611553	8.201373	8.172778	8.165882	8.244938	8.210118	8.16361	8.179058	8.171602	8.189658	8.211565	8.30507	8.302214	8.314984	8.284884	8.238535	8.279977
CDK6	cg2046010	0.145388	6.752181	8.609124	2.14E-07	4.67E-06	7.067115	7.608394	7.589473	7.632166	7.607523	7.610693	7.611688	7.587503	7.627459	7.60041	7.617225	7.694337	7.682719	7.6793	7.662621	7.700484	7.689992
SGMS1	cg1633954	0.145815	7.630389	12.43796	1.24E-09	9.22E-08	12.44634	8.14837	8.163326	8.148523	8.162076	8.144392	8.172885	8.138645	8.139215	8.130495	8.114181	8.231988	8.238914	8.211544	8.237781	8.22242	8.230862
DCC	cg1151396	0.146092	7.322129	8.291857	3.51E-07	6.93E-06	6.734129	7.930782	7.916975	7.93097	7.945131	7.970216	7.945224	7.959417	7.920778	7.938494	7.937165	8.034771	8.04364	8.053923	8.020443	8.023677	8.006876
NUMB	cg2377462	0.146094	7.879083	17.41259	8.21E-12	2.86E-09	17.44867	8.324215	8.332066	8.32808	8.315108	8.32173	8.324588	8.293552	8.304133	8.316449	8.310701	8.413977	8.408082	8.411867	8.402176	8.41118	8.413964
THRA	cg1151200	0.146622	7.731257	12.4959	1.16E-09	8.73E-08	12.50265	8.199111	8.200782	8.204841	8.213314	8.234954	8.199862	8.22656	8.203209	8.211173	8.196122	8.311707	8.309743	8.320859	8.312785	8.308871	8.300076
TCF4	cg0698181	0.146835	7.812175	2.987601	0.008712	0.023435	-3.62444	8.25783	8.189766	8.21796	8.258256	8.218464	8.35199	8.292246	8.21838	8.223675	8.369571	8.435727	8.428638	8.390254	8.34622	8.288696	8.387896
KANK1	cg1016518	0.146846	7.63866	7.374385	1.58E-06	2.22E-05	5.151026	8.133137	8.107916	8.147328	8.123314	8.172542	8.143025	8.175369	8.144463	8.122801	8.159122	8.257115	8.278987	8.221393	8.239695	8.236538	8.266972
GRIN2A	cg0692260	0.147414	7.554145	9.41777	6.37E-08	1.82E-06	8.456106	8.071673	8.068168	8.090768	8.066267	8.074335	8.091489	8.076753	8.09032	8.131513	8.085326	8.187426	8.199546	8.218978	8.189556	8.183695	8.185608
PRDM11	cg0296435	0.147757	7.742532	7.808409	7.66E-07	1.26E-05	5.873768	8.216804	8.256853	8.244485	8.236369	8.24014	8.219367	8.203013	8.197942	8.172273	8.248038	8.316834	8.308406	8.296862	8.334224	8.309234	8.278409
RAB7A	cg2686776	0.147781	7.625774	10.96966	7.58E-09	3.43E-07	10.61655	8.150351	8.152296	8.12519	8.164947	8.152539	8.131621	8.127235	8.125542	8.151107	8.120548	8.24905	8.231274	8.231825	8.218758	8.23457	8.219098
ROBO1	cg1861768	0.147824	7.387712	6.878003	3.74E-06	4.43E-05	4.307695	8.008986	7.978424	7.95996	7.953574	8.000829	7.984483	7.983653	7.975239	7.988699	7.972402	8.076041	8.044681	8.097054	8.040296	8.112136	8.076109
CBFA2T3	cg0848499	0.147909	7.087021	3.129227	0.00648	0.018473	-3.23688	7.812901	7.701845	7.81125	7.87104	7.812279	7.785774	7.782422	7.780786	7.77192	7.842697	7.907742	7.908035	7.920728	7.827164	7.816365	7.908742
FOXP1	cg0808073	0.148397	7.19715	3.767005	0.00169	0.006175	-1.88765	7.834834	7.833438	7.848373	7.855095	7.890215	7.895356	7.797398	7.875544	7.877272	7.902756	7.969932	7.982734	8.0202	7.93307	7.880302	7.933733
SMAD2	cg0024926	0.148446	7.636862	9.179882	9.02E-08	2.36E-06	8.09032	8.142092	8.156656	8.142801	8.18323	8.138596	8.183257	8.130071	8.132746	8.143573	8.137064	8.247484	8.263501	8.23537	8.215932	8.232151	8.222789
TCF4	cg1536530	0.149167	7.70843	3.080662	0.007174	0.020042	-3.38876	8.164976	8.177896	8.188825	8.234185	8.170143	8.291666	8.166579	8.175942	8.161084	8.239729	8.353166	8.306513	8.313978	8.150498	8.320134	8.28887
PLCE1	cg0509843	0.149411	6.939237	2.833353	0.012	0.030365	-3.9003	7.690481	7.701823	7.706148	7.678779	7.662106	7.692206	7.708767	7.688358	7.851329	7.651608	7.851119	7.799384	7.800225	7.872426	7.75416	7.774691

EZH1	cg2478298	0.149495	7.770364	12.40888	1.29E-09	9.48E-08	12.39472	8.239235	8.231037	8.238778	8.214533	8.249019	8.253117	8.23548	8.234638	8.217346	8.249318	8.333514	8.342587	8.342029	8.340466	8.322988	8.349227
SMAD4	cg1403708	0.149911	7.284699	6.940887	3.35E-06	4.06E-05	4.427454	7.8762	7.911499	7.925166	7.935652	7.901845	7.943966	7.901049	7.916517	7.906493	7.934566	8.016872	8.032715	8.019518	7.976439	7.984759	8.016602
RAB7A	cg1173708	0.149992	7.575368	9.678124	4.38E-08	1.36E-06	8.836357	8.107758	8.091354	8.110069	8.118274	8.118249	8.065771	8.102877	8.092219	8.113397	8.101959	8.183963	8.225119	8.207394	8.205622	8.195933	8.199066
OSCP1	cg1491272	0.150145	7.012718	3.615266	0.002328	0.008026	-2.27814	7.720444	7.845991	7.852507	7.731757	7.793675	7.823874	7.690304	7.726437	7.706741	7.787367	7.809452	7.83188	7.797603	7.808964	7.805501	7.821889
SIRT2	cg0334085	0.150161	7.591862	8.275849	3.60E-07	7.08E-06	6.678882	8.116802	8.108401	8.101094	8.105618	8.102294	8.126472	8.0885	8.107733	8.130824	8.134111	8.210842	8.249959	8.225691	8.190681	8.231557	8.187814
FOXO4	cg2654573	0.150242	6.939089	3.051823	0.00762	0.021022	-3.48052	7.722237	7.739295	7.746886	7.80549	7.679431	7.640486	7.671884	7.656091	7.719511	7.767686	7.841895	7.800713	7.758905	7.781985	7.762561	7.77962
PTCH1	cg1431924	0.150257	6.986616	4.642616	0.000272	0.001415	-0.13763	7.807059	7.798645	7.716685	7.760941	7.778357	7.792317	7.710889	7.694377	7.699114	7.754105	7.774151	7.831957	7.819085	7.763363	7.838679	7.768745
TSC1	cg1111617	0.150721	7.545548	9.537691	5.35E-08	1.59E-06	8.636186	8.106783	8.082232	8.085338	8.095343	8.115678	8.065305	8.059625	8.070602	8.076404	8.10019	8.173699	8.199509	8.180122	8.172542	8.17014	8.162951
TES	cg1626817	0.150743	7.23444	6.83298	4.05E-06	4.74E-05	4.233183	7.900836	7.874416	7.911601	7.904234	7.913718	7.873979	7.864533	7.847739	7.88283	7.910392	7.986039	8.0029	7.961239	7.944155	7.967111	7.94901
ZHX2	cg1779381	0.151334	6.732058	6.899574	3.60E-06	4.31E-05	4.132328	7.584403	7.636382	7.597683	7.607622	7.593156	7.607723	7.584184	7.583425	7.592584	7.609835	7.679128	7.659329	7.690044	7.684569	7.62632	7.692201
TCF4	cg1765938	0.15155	7.36588	9.654247	4.53E-08	1.40E-06	8.820972	7.970247	7.974207	7.954481	7.944993	7.954518	7.967913	7.989323	7.943556	7.973841	7.966719	8.064821	8.062251	8.05329	8.04978	8.095645	8.062016
KLF5	cg1593595	0.151903	7.398038	7.186751	2.18E-06	2.87E-05	4.859838	7.97939	8.008713	7.983361	8.039773	8.002184	7.985975	7.979036	7.983396	7.946062	8.0026	8.068337	8.083129	8.091201	8.080421	8.088638	8.036208
NR2C2	cg2211942	0.151973	7.824018	8.044251	5.21E-07	9.35E-06	6.243613	8.284582	8.28828	8.282445	8.279747	8.265707	8.307126	8.247201	8.275099	8.277145	8.260946	8.34175	8.39309	8.387862	8.408309	8.335034	8.367281
DMD	cg1297980	0.151984	7.586884	6.418383	8.56E-06	8.53E-05	3.432873	8.146544	8.115549	8.106437	8.082333	8.087239	8.147375	8.119629	8.087702	8.11185	8.107898	8.171627	8.214444	8.222369	8.172222	8.233596	8.2374
CACNA2D3	cg2334229	0.152046	7.415681	5.028649	0.000124	0.000749	0.731031	7.990881	8.0002	7.949915	7.955142	8.040208	8.014991	8.020834	7.991346	7.980468	8.009842	8.071241	8.139839	8.102863	8.146137	8.072618	8.059255
ADARB1	cg1823022	0.152336	7.387877	7.65796	9.82E-07	1.52E-05	5.677726	7.991485	8.004793	7.969526	8.009533	7.982902	7.953703	7.949844	7.976224	8.015693	7.962185	8.070265	8.089194	8.073115	8.055278	8.076746	8.073375
SMAD4	cg2724565	0.152534	7.42693	12.51384	1.14E-09	8.60E-08	12.54618	8.010731	8.020642	8.01744	8.001898	8.014531	8.031691	7.99115	8.002765	7.999403	7.995948	8.095561	8.082277	8.108729	8.082714	8.088349	8.114886
LIFR	cg2669064	0.152616	7.140403	6.644116	5.68E-06	6.16E-05	3.883382	7.830857	7.809507	7.817451	7.831118	7.802771	7.842909	7.838913	7.804936	7.836686	7.835274	7.92272	7.957167	7.902518	7.948741	7.871328	7.919443
RAB7A	cg1231922	0.152775	7.853525	5.958214	2.02E-05	0.000172	2.476834	8.344807	8.308869	8.339652	8.241286	8.330677	8.292052	8.260655	8.265585	8.297659	8.309505	8.399565	8.361897	8.391305	8.431488	8.386102	8.37857
CAPG	cg1683883	0.15286	7.052504	3.401513	0.003655	0.01158	-2.69402	7.747884	7.745581	7.778974	7.808354	7.800721	7.810824	7.738809	7.729703	7.805249	7.808598	7.896771	7.861992	7.961547	7.819723	7.807988	7.809572
NFATC2	cg1199311	0.152955	7.136711	4.624034	0.000283	0.001456	-0.10215	7.860458	7.855022	7.903361	7.83812	7.803817	7.855097	7.780631	7.784645	7.85186	7.81318	7.946946	7.845362	7.890313	7.918165	7.873651	7.914315
NCOA4	cg0686072	0.15322	6.969096	4.262547	0.000597	0.002661	-0.92944	7.712598	7.730068	7.723814	7.757455	7.719197	7.78459	7.701022	7.6969	7.754861	7.72687	7.881028	7.815933	7.812381	7.740078	7.773899	7.817549
LRMP	cg1244551	0.153652	7.428148	7.706241	9.06E-07	1.42E-05	5.75677	8.042099	8.005546	7.994059	8.037988	8.021405	7.998078	7.990411	7.973107	8.01834	8.010162	8.086621	8.126163	8.11581	8.097163	8.083455	8.071947
TP63	cg1935936	0.153684	7.106077	3.771995	0.001672	0.006122	-1.89218	7.784798	7.789386	7.774011	7.835781	7.84756	7.833491	7.768691	7.777384	7.832231	7.834479	7.931329	7.93598	7.957738	7.857185	7.843991	7.838957
EMP1	cg2248247	0.154303	7.207587	4.710926	0.000236	0.001264	0.08848	7.835824	7.897002	7.867406	7.863758	7.895918	7.885638	7.828484	7.838355	7.861292	7.92119	7.998428	7.991163	7.96041	7.921215	7.90556	7.959319
NRCAM	cg0792541	0.154313	7.827376	8.905931	1.36E-07	3.31E-06	7.6206	8.25619	8.289394	8.271987	8.273302	8.229079	8.278735	8.271949	8.258967	8.276541	8.307948	8.388165	8.393784	8.391939	8.36027	8.381421	8.412522
GKN2	cg2315204	0.154346	7.648362	8.184914	4.16E-07	7.85E-06	6.52156	8.156411	8.149592	8.133562	8.155227	8.168657	8.183724	8.143996	8.157724	8.134803	8.146872	8.250698	8.264215	8.263712	8.257353	8.197612	8.270719
IKZF1	cg0285202	0.154359	7.467476	9.615365	4.79E-08	1.46E-06	8.757953	8.049684	8.055678	8.012038	8.019623	8.029085	8.052477	8.009087	8.030766	8.032021	8.033922	8.128854	8.107541	8.144468	8.10844	8.133384	8.138581
ROBO1	cg1029342	0.154575	7.674561	6.411313	8.67E-06	8.63E-05	3.401353	8.161532	8.15342	8.14483	8.229078	8.18919	8.206309	8.166325	8.156942	8.164471	8.154679	8.292283	8.289569	8.290063	8.230096	8.257156	8.237994
SOD2	cg0061021	0.154585	6.899672	6.137362	1.44E-05	0.000131	2.804675	7.696209	7.728193	7.700676	7.748222	7.716994	7.751378	7.661796	7.66936	7.678972	7.652807	7.72203	7.800405	7.775287	7.733143	7.724964	7.748473
IKZF1	cg0924171	0.155338	7.206706	6.104475	1.53E-05	0.000138	2.873871	7.862759	7.877111	7.870223	7.839618	7.843129	7.865598	7.861589	7.875591	7.897287	7.843799	8.005163	7.938481	7.91814	8.007188	7.959512	7.957779
SETD2	cg2435992	0.155433	7.680751	7.150101	2.33E-06	3.00E-05	4.747798	8.148525	8.138481	8.165194	8.200554	8.214439	8.191744	8.185421	8.176119	8.145501	8.171204	8.288812	8.292955	8.29528	8.253589	8.278907	8.246286
PPM1L	cg2520336	0.155611	6.973217	7.49807	1.28E-06	1.88E-05	5.345937	7.72166	7.732881	7.772605	7.733528	7.740319	7.729428	7.748749	7.730768	7.69547	7.714713	7.78955	7.790249	7.806005	7.83635	7.832097	7.809235
RAB7A	cg1503315	0.155701	7.005329	4.959813	0.000143	0.000838	0.541976	7.752079	7.71668	7.763806	7.735598	7.764468	7.781192	7.770205	7.720938	7.757333	7.72531	7.808194	7.859921	7.850035	7.889438	7.773256	7.816695
RCHY1	cg1417899	0.156838	7.491346	5.196241	8.87E-05	0.000572	1.06225	8.022906	8.011308	8.050102	8.082236	8.050502	8.057575	8.107408	8.018059	8.036969	8.017663	8.167192	8.146655	8.145569	8.118419	8.202317	8.106204
ADPRH	cg1099456	0.157334	6.821718	7.346035	1.66E-06	2.30E-05	4.990612	7.636495	7.633258	7.66017	7.659604	7.670994	7.663089	7.630296	7.638575	7.611297	7.671152	7.753404	7.725095	7.726754	7.696473	7.709859	7.724856
PTEN	cg1935834	0.157573	7.125852	4.865826	0.000172	0.000981	0.397956	7.830394	7.833302	7.810729	7.894067	7.787871	7.829404	7.81081	7.828592	7.839567	7.75524	7.919	7.887433	7.893593	7.860915	7.929246	7.920729
IQGAP2	cg0224388	0.157807	7.548487	7.67929	9.48E-07	1.48E-05	5.692108	8.062614	8.045704	8.039709	8.084573	8.084289	8.072725	8.115969	8.081026	8.088577	8.087013	8.20883	8.187818	8.23353	8.223016	8.171209	8.166561
PTPN13	cg0868611	0.158367	7.594858	5.644428	3.68E-05	0.000276	1.941197	8.078907	8.133085	8.111996	8.139469	8.114766	8.163735	8.093055	8.117189	8.10778	8.110331	8.23167	8.258779	8.195286	8.144849	8.209009	8.24144
ROBO1	cg0123982	0.158744	7.726578	9.832524	3.52E-08	1.14E-06	9.032133	8.184805	8.18638	8.220937	8.207664	8.191203	8.213266	8.192626	8.218015	8.198042	8.207016	8.3055	8.308026	8.335367	8.316039	8.279515	8.338828
RASSF8	cg0564567	0.159546	6.886749	6.454222	8.02E-06	8.07E-05	3.419316	7.665337	7.65258	7.663067	7.683815	7.69134	7.682687	7.643726	7.707686	7.687801	7.691375	7.81125	7.760028	7.793194	7.751337	7.774162	7.736998
TCF4	cg0146759	0.159689	7.17116	5.096299	0.000108	0.000674	0.877387	7.907565	7.862977	7.835455	7.835253	7.855296	7.840001	7.809152	7.809485	7.866204	7.858883	7.921884	7.908872	7.982666	7.960009	7.880521	7.937858
SIRT1	cg0839959	0.159753	7.729292	7.504835	1.27E-06	1.86E-05	5.356619	8.230742	8.211567	8.208932	8.168774	8.252887	8.219852	8.203492	8.204052	8.163601	8.219951	8.294339	8.321137	8.296213	8.326111	8.329572	8.28153
RASAL2	cg2559340	0.160412	7.497583	5.101633	0.000107	0.000668	0.866661	8.001199	8.069482	7.998879	8.094087	8.016437	8.016732	8.069095	8.054734	8.047772	8.059704	8.182074	8.158328	8.172182	8.222746	8.104245	8.142947
DMBT1	cg1703308	0.161609	7.25421	5.853675	2.46E-05	0.000202	2.389662	7.893989	7.906608	7.897297	7.864815	7.866974	7.907299	7.880516	7.865157	7.928655	7.90956	8.006536	7.961134	8.036921	8.036857	7.958671	7.975232
VPS53	cg2136730	0.161759	7.664822	11.9411	2.25E-09	1.45E-07	11.84496	8.161389	8.174401	8.169724	8.164323	8.159515	8.176224	8.148166	8.179829	8.134024	8.15754	8.237385	8.277593	8.263128	8.278245	8.267867	8.266877
PARK2	cg0201834	0.161778	7.165958	5.659165	3.57E-05	0.00027	2.006146	7.858698	7.809277	7.783606	7.86993	7.83122	7.865953	7.828974	7.843139	7.860403	7.83488	7.953227	7.959475	7.972117	7.938459	7.896028	7.917805
RPS6KA2	cg0940663	0.161845	7.726577	4.575215	0.000312	0.00158	-0.2718	8.184937	8.146866	8.186642	8.225776	8.282884	8.240709	8.19304	8.196973	8.228502	8.167344	8.351769	8.333516	8.349624	8.256221	8.274274	8.285958
TCF4	cg0370800	0.162709	7.659901	9.284924	7.73E-08	2.09E-06	8.242992	8.13208	8.15177	8.150542	8.163999	8.164198	8.193743	8.171669	8.161061	8.154702	8.128963	8.270849	8.25639	8.286212	8.281842	8.239907	8.255032
PTPRD	cg2706866	0.16281	7.310954	4.978965	0.000137	0.000812	0.637786	7.918738	7.902337	7.89019	7.918888	7.871232	7.978258	7.925705	7.92704	7.924221	7.973646	8.077956	8.026805	8.065081	8.064493	7.974087	8.032998
FOXO3	cg2040081	0.164136	7.700409	6.280975	1.10E-05	0.000105	3.14739	8.184113	8.18142	8.161953	8.247572	8.17819	8.223139	8.217933	8.168033	8.149325	8.168233	8.33316	8.268996	8.288763	8.298417	8.292464	8.249796
THRB	cg2401677	0.164212	6.983673	3.633172	0.002241	0.007798	-2.24451	7.698041	7.730806	7.716532	7.76952	7.770914	7.763819	7.675789	7.703653	7.762274	7.768798	7.856338	7.855663	7.901932	7.77653	7.766742	7.769974
TCF4	cg2562523	0.164429	7.110397	6.58177	6.36E-06	6.76E-05	3.761079	7.823878	7.786066	7.816907	7.77931	7.792404	7.836285	7.792706	7.801659	7.79576	7.834807	7.922611	7.861166	7.934481	7.877369	7.926125	7.901426
RBL2	cg1838142	0.164467	7.683983	10.08579	2.47E-08	8.66E-07	9.404438	8.203333	8.179592	8.188188	8.167374	8.172467	8.210448	8.129597	8.16885	8.183059	8.171222	8.274263	8.286609	8.283557	8.277379	8.281343	8.25063
DCC	cg0345846	0.165065	6.990784	4.997063	0.000132	0.000788	0.618599	7.701188	7.683252	7.679456	7.770926	7.730287	7.73282	7.76192	7.729348	7.767829	7.735545	7.873598	7.880253	7.865916	7.797461	7.812852	7.833574
AHNAK	cg0327445	0.165251	7.802815	6.081601	1.60E-05	0.000142	2.730343	8.254973	8.216355	8.228489	8.267415	8.246171	8.288831	8.26333	8.246652	8.201626	8.314157	8.369162	8.397463	8.400831	8.370612	8.327231	8.371056
ABCG2	cg0725201	0.165552	7.650502	10.347	1.73E-08	6.60E-07	9.773468	8.142638	8.141687	8.162697	8.141779	8.176064	8.152402	8.145973	8.125022	8.153808	8.161672	8.278771	8.254061	8.275687	8.235405	8.274035	8.237814
TCF4	cg1584648	0.165732	7.196736	4.800148	0.000197	0.00109	0.271743	7.852188	7.859063	7.883167	7.911925	7.872979	7.866127	7.792633	7.840317	7.894888	7.863015	7.994827	7.965006	7.971568	7.958679	7.916973	7.880835
EZH1	cg1289385	0.168254	7.804398	4.716865	0.000234	0.001251	-0.00442	8.221994	8.274026	8.248923	8.238419	8.320089	8.286565	8.246466	8.298842	8.296489	8.152391	8.369742	8.356491	8.377575	8.344167	8.340065	8.410281
AHNAK	cg0487609	0.168853	7.703346	9.198213	8.78E-08	2.31E-06	8.101452	8.198355	8.156153	8.195312	8.172288	8.169415	8.200694	8.15109	8.195496	8.187448	8.207857	8.29965	8.317349	8.308984	8.325443	8.281912	8.277936
DMD	cg0508800	0.170721	7.455457	7.842591	7.24E-07	1.21E-05	5.983424	8.007218	8.02314	8.019517	8.032017	8.037813	8.025859	8.008566	8.010747	7.996499	8.043867	8.142268	8.128355	8.142658	8.093793	8.166898	8.081927
CADM2	cg0087747	0.170739	6.73962	4.837146	0.000183	0.001029	0.112285	7.589751	7.574805	7.571548	7.609725	7.621854	7.612297	7.572967	7.567339	7.624635	7.626319	7.724107	7.700528	7.744199	7.668902	7.665917	7.625064
VPS53	cg2568064	0.171784	7.729169	7.431657	1.44E-06	2.06E-05	5.226667	8.199347	8.165284	8.224551	8.16079	8.239229	8.205622	8.212084	8.217143	8.171264	8.209223	8.327313	8.305416	8.319353	8.2861	8.355787	8.335718
RTN4	cg1753768	0.171874	7.532864	4.37264	0.000475	0.002214	-0.64048	8.069481	8.096826	8.04018	8.178852	8.163947	8.090814	8.057751	8.054909	7.996824	8.07651	8.183172	8.208333	8.175916	8.108587	8.158068	8.123899
LIMA1	cg0925595	0.172301	7.114828	9.290846	7.66E-08	2.08E-06	8.279558	7.808161	7.842774	7.810539	7.792077	7.806421	7.85275	7.803452	7.807188	7.803688	7.784987	7.905822	7.896411	7.888116	7.911552	7.886811	7.923032
BNIP3L	cg2519198	0.173038	7.674827	10.12506	2.34E-08	8.25E-07	9.460353	8.158167	8.180774	8.151389	8.188207	8.154219	8.19053	8.134927	8.177512	8.156639	8.168644	8.273233	8.273917	8.310585	8.286258	8.267885	8.255309
DICER1	cg0411270	0.173488	7.656313	6.877627	3.75E-06	4.43E-05	4.260126	8.178139	8.154466	8.112165	8.107369	8.116098	8.123982	8.125851	8.160827	8.175068	8.187784	8.300055	8.305747	8.229423	8.308344	8.277341	8.266405
PTPRC	cg2116890	0.173939	7.233488	13.78202	2.76E-10	3.10E-08	13.96469	7.857193	7.874954	7.87792	7.87329	7.877094	7.884027	7.886799	7.875308	7.862552	7.896172	7.982291	7.98847	8.000572	7.989299	7.972115	7.990763
FOXP1	cg2287640	0.17399	7.294682	4.780256	0.000205	0.001126	0.230481	7.874578	7.847193	7.931	7.933497	7.938405	7.948589	7.889227	7.912626	7.934827	7.934799	8.058281	8.078745	8.059421	7.998135	7.97994	7.987296
MTUS1	cg1396733	0.174575	7.712134	7.644142	1.01E-06	1.55E-05	5.601737	8.218974	8.233865	8.233285	8.184998	8.162185	8.199684	8.159246	8.188619	8.189583	8.177413	8.25739	8.314895	8.27117	8.324759	8.324234	8.301748
TGFBR3	cg0542234	0.174818	7.515516	7.538979	1.20E-06	1.78E-05	5.459635	8.045119	8.066525	8.044916	8.055647	8.031288	8.132924	8.054254	8.04138	8.065054	8.0511	8.182736	8.183391	8.181513	8.155206	8.163543	8.143664
ZBTB4	cg1209648	0.175737	7.677807	8.482048	2.60E-07	5.42E-06	6.9957	8.185257	8.16617	8.15874	8.166256	8.219171	8.146022	8.137868	8.155782	8.160473	8.184991	8.282842	8.284002	8.310581	8.257917	8.252548	8.293024
PPP2R5C	cg0342689	0.175817	7.467638	6.944471	3.33E-06	4.04E-05	4.419063	8.042189	8.012464	7.991816	8.046194	8.032797	8.042338	8.024999	7.99811	8.037318	8.033021	8.158688	8.166647	8.148913	8.156315	8.129129	8.070013
DICER1	cg1928639	0.175943	7.653947	9.149213	9.44E-08	2.46E-06	8.040546	8.134962	8.19366	8.133745	8.171131	8.184543	8.146549	8.139762	8.148678	8.164421	8.11308	8.267318	8.269035	8.261807	8.239236	8.27884	8.251039
NEDD4L	cg0398486	0.175959	7.761832	5.568593	4.26E-05	0.00031	1.747484	8.238724	8.249045	8.229628	8.224047	8.253132	8.325742	8.237331	8.175094	8.187095	8.218521	8.341702	8.326264	8.35202	8.313572	8.37302	8.254323
PPM1L	cg1416009	0.176399	7.782951	7.260265	1.92E-06	2.58E-05	4.913665	8.239411	8.223125	8.252815	8.299855	8.283823	8.192826	8.219251	8.222808	8.232491	8.247372	8.382008	8.363352	8.362812	8.357617	8.328616	8.329902
DICER1	cg0271924	0.1766	7.447581	6.776282	4.48E-06	5.13E-05	4.115892	7.96117	7.992939	8.03791	7.992552	8.034881	8.023194	7.985139	8.011575	8.030836	8.031893	8.151602	8.131291	8.165617	8.138312	8.105752	8.086627
CUX1	cg0677566	0.176987	7.691799	11.19186	5.70E-09	2.83E-07	10.8981	8.176527	8.187227	8.212378	8.174718	8.205585	8.200158	8.153996	8.169636	8.14241	8.186166	8.291748	8.293391	8.273627	8.259803	8.281536	8.306342
DMBT1	cg1436629	0.177382	7.069411	4.644194	0.000271	0.001411	-0.08396	7.786313	7.786487	7.758375	7.793195	7.798296	7.770057	7.805661	7.715475	7.799982	7.789169	7.89084	7.899081	7.906568	7.838516	7.805814	7.950336
THSD1	cg1744504	0.178097	7.43229	11.13954	6.09E-09	2.94E-07	10.85445	8.004718	8.000792	7.994509	8.001564	8.023179	8.017493	7.990107	8.020888	7.98015	8.002662	8.093203	8.112072	8.142819	8.128602	8.099138	8.106319
PDCD4	cg0643195	0.178966	7.789153	14.34626	1.52E-10	2.01E-08	14.54695	8.250903	8.256154	8.260184	8.243939	8.267456	8.246624	8.208305	8.244336	8.238056	8.240932	8.362136	8.358853	8.36289	8.368033	8.332837	8.365407
FBXL13	cg2080221	0.180986	7.028531	3.423616	0.003488	0.011175	-2.65866	7.717157	7.722894	7.685324	7.802967	7.786202	7.77826	7.720117	7.730379	7.807899	7.776558	7.905462	7.918652	7.947858	7.802042	7.809048	7.80309
CDK6	cg0420880	0.181221	6.920832	7.238018	2.00E-06	2.66E-05	4.861338	7.686295	7.698023	7.692631	7.71346	7.680064	7.751485	7.703587	7.683781	7.666779	7.695417	7.792701	7.80425	7.791704	7.739731	7.792777	7.812541
LIMA1	cg0146916	0.18182	6.915875	5.989093	1.90E-05	0.000165	2.536344	7.726133	7.747508	7.71876	7.72728	7.67179	7.698109	7.697624	7.627245	7.667798	7.712744	7.779571	7.788309	7.7456	7.759584	7.778559	7.81272
BMPR1A	cg0031226	0.183538	7.675553	9.514037	5.54E-08	1.62E-06	8.579258	8.170125	8.16946	8.141064	8.163605	8.181674	8.134435	8.159082	8.168952	8.198426	8.122803	8.30959	8.259847	8.290111	8.285725	8.289512	8.294227
DMD	cg0884629	0.184733	7.627009	5.501833	4.85E-05	0.000345	1.651659	8.137652	8.112989	8.132736	8.222531	8.060985	8.194459	8.140102	8.132127	8.103048	8.102073	8.261668	8.227207	8.259062	8.250758	8.219439	8.248038
FHL1	cg0545539	0.184842	7.752193	14.46365	1.35E-10	1.86E-08	14.67041	8.210766	8.212796	8.230905	8.226539	8.225322	8.228732	8.193063	8.21238	8.201313	8.226641	8.332201	8.348745	8.3539	8.336443	8.311355	8.340055
IKZF1	cg2476948	0.18526	7.373295	6.64605	5.66E-06	6.15E-05	3.8828	7.911453	7.914767	7.993848	7.924427	7.958882	7.914501	7.947783	7.99968	7.989381	7.975772	8.067057	8.113161	8.10608	8.137391	8.057461	8.102657
NUMB	cg0829200	0.185362	7.687861	9.230014	8.38E-08	2.22E-06	8.155896	8.166584	8.178355	8.175643	8.23022	8.2048	8.155594	8.145223	8.171099	8.136509	8.186748	8.296473	8.302791	8.297678	8.277018	8.264311	8.283995
RASSF8	cg0717200	0.185413	7.762719	8.128113	4.56E-07	8.41E-06	6.398533	8.172889	8.248159	8.256616	8.211311	8.23575	8.257667	8.185707	8.227362	8.210321	8.23723	8.354091	8.372319	8.33596	8.3228	8.324816	8.357587
PRDM2	cg0181601	0.185704	7.561297	9.232868	8.34E-08	2.21E-06	8.180886	8.080412	8.099549	8.099115	8.099975	8.101198	8.097342	8.04435	8.071801	8.096564	8.094563	8.210767	8.236693	8.198696	8.172604	8.165392	8.220266
GSK3B	cg0903821	0.187392	7.50233	11.69462	3.04E-09	1.78E-07	11.55519	8.054269	8.055339	8.056325	8.073198	8.076614	8.084078	8.017474	8.028596	8.033575	8.047615	8.175532	8.165032	8.173383	8.142988	8.123877	8.14849
PIN1	cg2507445	0.188569	6.889788	7.509871	1.26E-06	1.85E-05	5.322244	7.694286	7.667757	7.656998	7.686388	7.675959	7.678189	7.653882	7.653946	7.690404	7.696082	7.79962	7.76717	7.817106	7.802526	7.732348	7.7531
TUSC1	cg1079330	0.191631	7.377716	3.879263	0.001334	0.005102	-1.65687	8.033062	7.947123	8.034144	8.07785	7.958438	7.969299	7.904762	7.92497	7.93467	7.997558	8.094918	8.028867	8.11242	8.046722	8.129606	7.961281
PDSS2	cg2088245	0.194935	7.358123	9.436891	6.19E-08	1.78E-06	8.502338	7.9372	7.95719	7.932774	7.939135	7.954788	7.928711	7.946196	7.925234	7.981076	7.970541	8.098443	8.098592	8.08022	8.033246	8.097022	8.0737
SETD2	cg0878953	0.195691	7.691237	6.483501	7.60E-06	7.73E-05	3.527401	8.200601	8.151808	8.142892	8.166953	8.225097	8.116533	8.175208	8.131517	8.208542	8.165415	8.281583	8.358611	8.310416	8.278197	8.282718	8.319268
LATS2	cg1419597	0.195719	7.24308	5.706754	3.26E-05	0.000251	2.101049	7.843464	7.861787	7.832035	7.854936	7.884386	7.864813	7.883355	7.842785	7.939433	7.903517	8.043846	8.065671	8.018447	7.988358	7.938496	8.029444
SETD2	cg1024024	0.197248	7.729923	10.62688	1.19E-08	4.89E-07	10.14099	8.200679	8.244336	8.187027	8.181416	8.191533	8.213674	8.159564	8.200132	8.214913	8.186802	8.324342	8.315483	8.341297	8.315801	8.314899	8.351464
CASC1	cg0610044	0.19763	7.694268	8.202215	4.05E-07	7.72E-06	6.540966	8.190127	8.18162	8.176698	8.208739	8.233571	8.166193	8.174183	8.11448	8.175368	8.165396	8.334453	8.295508	8.300661	8.287761	8.246334	8.294066
ZHX2	cg0628612	0.197671	7.656414	14.59754	1.17E-10	1.68E-08	14.81088	8.147069	8.147279	8.1272	8.170388	8.144264	8.129515	8.132239	8.146933	8.158915	8.142365	8.285677	8.285671	8.291181	8.289886	8.259787	8.26995
HBP1	cg2584568	0.199326	7.641179	11.62022	3.33E-09	1.89E-07	11.44803	8.122122	8.114866	8.119341	8.103948	8.134471	8.131145	8.132458	8.130055	8.181733	8.123934	8.287631	8.276596	8.297795	8.286427	8.2462	8.274944
RHOA	cg2702448	0.19968	7.482845	10.84365	8.93E-09	3.90E-07	10.46332	8.011966	8.04407	8.045261	8.049669	8.036077	8.030249	8.014546	8.062078	8.03285	7.990445	8.140512	8.14714	8.158446	8.180817	8.145011	8.163642
GSK3B	cg0215670	0.199833	7.762527	6.61898	5.95E-06	6.37E-05	3.765187	8.213595	8.221553	8.282802	8.246157	8.257744	8.294358	8.198222	8.190513	8.172448	8.221634	8.357414	8.339753	8.348812	8.262949	8.312153	8.388384
AHNAK	cg1728528	0.200886	7.840149	10.96594	7.62E-09	3.43E-07	10.57096	8.308174	8.27098	8.23114	8.285657	8.252804	8.276182	8.256442	8.271907	8.26727	8.288083	8.417125	8.418841	8.420183	8.438685	8.404352	8.383905
SMAD2	cg0329449	0.201585	7.158185	4.876525	0.000169	0.000963	0.424392	7.822414	7.776399	7.79249	7.84751	7.867359	7.869697	7.788749	7.814625	7.850756	7.843999	7.99107	8.018731	7.965866	7.912183	7.896651	7.895045
CYLD	cg0780679	0.20203	7.242602	11.61241	3.36E-09	1.90E-07	11.46036	7.872723	7.885067	7.878376	7.905758	7.861093	7.891368	7.894991	7.843423	7.863439	7.893817	7.998541	8.017067	7.999547	7.995027	7.992687	7.988812
SMAD4	cg0859697	0.202275	7.754277	11.64042	3.25E-09	1.86E-07	11.45893	8.200939	8.241144	8.255751	8.19899	8.218221	8.24437	8.200825	8.214029	8.179408	8.209938	8.337529	8.326109	8.335547	8.337948	8.341879	8.373227
ABCG2	cg2329457	0.202645	7.541659	9.214211	8.58E-08	2.26E-06	8.152558	8.070892	8.055929	8.022724	8.058253	8.085432	8.028993	8.058435	8.066584	8.110269	8.064452	8.225291	8.203255	8.238188	8.210425	8.21597	8.16937
UIMC1	cg0827259	0.203613	7.347872	11.87902	2.42E-09	1.50E-07	11.78821	7.931526	7.918947	7.915173	7.951529	7.923788	7.960342	7.953981	7.940819	7.94342	7.949516	8.107874	8.074701	8.07864	8.087541	8.058337	8.053326
PHLPP2	cg1238051	0.205692	7.693228	11.43773	4.18E-09	2.24E-07	11.20946	8.15627	8.154413	8.156127	8.171915	8.124448	8.170793	8.170481	8.173915	8.17228	8.183612	8.323891	8.30705	8.328423	8.323426	8.350051	8.271555
PTPRD	cg2047460	0.205789	6.903239	11.14746	6.03E-09	2.92E-07	10.81655	7.647632	7.679537	7.661778	7.682547	7.650587	7.669713	7.667205	7.694486	7.709408	7.675034	7.805215	7.801226	7.819022	7.813471	7.772413	7.803385
RASSF1	cg2190811	0.208371	7.531181	7.626346	1.04E-06	1.59E-05	5.606747	8.088504	7.999939	8.104251	8.088032	8.06576	8.067082	8.03956	8.042524	8.087792	8.040313	8.212521	8.198338	8.196696	8.16836	8.152543	8.217144
PTEN	cg1114183	0.208469	7.209947	5.315365	7.00E-05	0.00047	1.321754	7.827665	7.844014	7.759899	7.863162	7.867954	7.878586	7.883448	7.876592	7.821752	7.879734	7.974087	8.023107	8.043115	7.97393	8.022571	7.927192
RASSF3	cg1178268	0.209057	7.46111	7.745348	8.50E-07	1.36E-05	5.815625	7.96114	8.00413	7.97695	8.034105	8.009682	7.982795	8.009413	8.039136	8.000133	8.046057	8.177544	8.172047	8.172787	8.207085	8.113161	8.124414
RAP1A	cg0769726	0.210705	7.150884	7.936432	6.21E-07	1.09E-05	6.147249	7.813889	7.796332	7.784633	7.755284	7.835143	7.797069	7.827475	7.813744	7.82444	7.868875	7.993538	7.926434	7.984582	7.939644	7.951634	7.974246
SGMS1	cg0331226	0.213366	7.385011	8.190446	4.12E-07	7.84E-06	6.565324	7.98305	7.959796	7.966893	7.94741	8.041894	7.973356	7.947585	7.944832	7.934475	7.988355	8.119031	8.093498	8.105056	8.058135	8.099704	8.066953
SMAD4	cg2123546	0.215502	7.628268	12.86485	7.60E-10	6.26E-08	12.94207	8.114754	8.124902	8.134899	8.13934	8.097354	8.148815	8.113736	8.108529	8.107312	8.142932	8.26443	8.26979	8.280162	8.283866	8.253554	8.236319
FOXP1	cg1372631	0.216087	7.729288	5.92995	2.13E-05	0.000179	2.469608	8.219852	8.159869	8.218702	8.310451	8.208022	8.266509	8.166869	8.174683	8.146617	8.174664	8.340671	8.313661	8.369372	8.253293	8.277672	8.336899
PTPN1	cg2406912	0.21915	7.599849	11.83509	2.56E-09	1.55E-07	11.72074	8.109869	8.088982	8.113517	8.093261	8.107267	8.127711	8.087157	8.084513	8.10737	8.113542	8.26039	8.251321	8.259072	8.254762	8.193948	8.258564
ABCG2	cg0159438	0.219283	7.657264	15.00414	7.77E-11	1.31E-08	15.21912	8.117958	8.153341	8.109973	8.155558	8.130143	8.136022	8.146662	8.145953	8.121305	8.160327	8.30571	8.286166	8.305089	8.298045	8.287684	8.281443
PLAGL1	cg0356286	0.219356	7.683589	8.687782	1.89E-07	4.22E-06	7.322626	8.159468	8.208224	8.147603	8.159183	8.232085	8.19567	8.126553	8.179121	8.112394	8.151465	8.271146	8.296518	8.325656	8.310866	8.284405	8.268348

LSAMP	cg1993906	0.220168	7.339097	6.310081	1.04E-05	0.000101	3.260125	7.874315	7.965483	7.910731	7.955651	7.976123	7.900203	7.900385	7.925347	7.941939	7.968447	8.097368	8.105268	8.100743	8.028464	8.089339	8.023608
RARB	cg1010109	0.220415	6.930086	9.299042	7.57E-08	2.07E-06	8.231457	7.698365	7.697019	7.697645	7.719979	7.689971	7.705872	7.723299	7.655099	7.67962	7.677489	7.783005	7.802356	7.841203	7.821638	7.77161	7.829919
RASSF8	cg0599010	0.220967	7.477568	12.33141	1.41E-09	1.01E-07	12.32877	8.00421	8.020695	8.013187	8.043688	8.056392	8.032012	8.009885	8.021712	8.001627	8.030092	8.167585	8.175209	8.184507	8.151364	8.159795	8.127335
DCC	cg0807075	0.22165	6.860996	8.863887	1.45E-07	3.47E-06	7.530616	7.661348	7.675453	7.643719	7.659351	7.646943	7.663151	7.635174	7.637275	7.664656	7.655807	7.779872	7.763058	7.789745	7.820401	7.768108	7.706013
TGFBR2	cg1754672	0.222213	7.642135	13.67307	3.10E-10	3.42E-08	13.84141	8.149947	8.154907	8.123947	8.133445	8.144662	8.152534	8.110953	8.108198	8.14037	8.122091	8.269611	8.284732	8.28268	8.279626	8.229742	8.28469
KAT5	cg2008273	0.222286	7.641322	11.46891	4.02E-09	2.18E-07	11.25926	8.161181	8.129893	8.132219	8.170152	8.140292	8.10864	8.095778	8.113956	8.145855	8.129465	8.279698	8.291394	8.277811	8.29007	8.247635	8.249849
HIVEP3	cg0180618	0.223493	7.620041	5.787065	2.79E-05	0.000224	2.217006	8.114243	8.082166	8.099862	8.207322	8.129587	8.162663	8.092412	8.166247	8.042142	8.111087	8.26985	8.29416	8.242988	8.258573	8.184901	8.275133
FOXP1	cg1547701	0.223734	6.844047	7.493891	1.29E-06	1.89E-05	5.260851	7.630911	7.625432	7.71727	7.661947	7.631519	7.680951	7.609506	7.639316	7.63835	7.645854	7.749328	7.788469	7.747697	7.768607	7.720416	7.762122
PTPRD	cg2508570	0.223922	6.937123	7.39754	1.52E-06	2.16E-05	5.157615	7.669373	7.673734	7.695927	7.678352	7.664087	7.749636	7.685585	7.725482	7.681037	7.694948	7.791875	7.850894	7.840014	7.836892	7.846147	7.779858
RNF8	cg0462110	0.227602	7.456276	7.826583	7.43E-07	1.24E-05	5.954768	8.009175	7.986706	7.977846	8.04887	7.993803	8.025902	7.967416	7.992712	8.021759	8.034719	8.176683	8.198514	8.175701	8.127677	8.140237	8.10046
IKZF1	cg1767155	0.228196	7.238871	8.759614	1.70E-07	3.88E-06	7.477464	7.849946	7.86812	7.879906	7.904844	7.888206	7.919816	7.85916	7.872666	7.852831	7.851554	7.984529	8.037936	8.01625	7.998521	8.022718	7.94009
WWOX	cg0787412	0.229618	7.514212	4.24422	0.00062	0.002739	-0.91269	7.97432	8.121596	8.095344	8.031462	8.004256	8.060243	7.974156	8.029256	8.030734	8.124477	8.169236	8.268591	8.166069	8.25733	8.200741	8.089826
IGF2R	cg1089431	0.231101	7.28459	3.645561	0.002184	0.007639	-2.14472	7.876513	7.881677	7.895887	7.906229	7.871407	7.957194	7.849167	7.851035	7.933964	7.947491	8.06213	8.109182	8.081449	8.147005	7.961818	7.886576
IGFBP4	cg0262721	0.232208	7.419027	9.558654	5.20E-08	1.55E-06	8.677216	7.970295	7.978766	7.961722	7.970401	7.952359	8.042472	7.986785	7.985877	7.970177	7.980098	8.167563	8.093502	8.147628	8.141398	8.127823	8.111464
BNIP3L	cg1805387	0.232694	7.755058	11.12253	6.23E-09	2.98E-07	10.79431	8.235951	8.194858	8.208859	8.226025	8.208598	8.193729	8.211633	8.173174	8.203971	8.20489	8.358274	8.342095	8.389815	8.310555	8.382065	8.384898
MOB1B	cg0665978	0.234363	7.353687	13.19167	5.26E-10	4.99E-08	13.32056	7.950095	7.915738	7.939639	7.964408	7.947988	7.948096	7.916039	7.932137	7.943164	7.947591	8.082657	8.100822	8.11529	8.071803	8.058915	8.075958
PLCE1	cg2650996	0.238893	6.892757	6.441551	8.21E-06	8.24E-05	3.395371	7.666707	7.641274	7.637197	7.697829	7.692713	7.697343	7.641468	7.63449	7.682922	7.691431	7.819574	7.806745	7.875376	7.785326	7.749966	7.740872
CSMD1	cg0214674	0.241488	7.486161	13.9747	2.24E-10	2.63E-08	14.1678	8.02364	8.021325	8.02323	8.039775	8.019286	8.075758	8.037878	8.006224	8.019979	7.990087	8.172129	8.184408	8.178312	8.155737	8.169998	8.174278
PAFAH1B1	cg2421458	0.241492	7.036759	4.95891	0.000143	0.000839	0.541886	7.792803	7.736215	7.710818	7.741096	7.780079	7.790996	7.653501	7.753151	7.757747	7.794625	7.901869	7.925359	7.917135	7.911294	7.800342	7.826914
ZYX	cg2591722	0.246662	6.937481	5.997531	1.87E-05	0.000163	2.577103	7.725161	7.68125	7.665521	7.675738	7.6515	7.757307	7.7289	7.665362	7.705593	7.649021	7.831345	7.853786	7.78767	7.791952	7.806643	7.894083
PHC3	cg0278423	0.250982	7.067038	6.054807	1.68E-05	0.000148	2.740461	7.784109	7.735205	7.748778	7.744791	7.684525	7.792588	7.760114	7.735983	7.806846	7.77704	7.960448	7.874296	7.94545	7.842984	7.925628	7.968117
RAB7A	cg0667595	0.256216	7.69236	9.425502	6.30E-08	1.80E-06	8.440819	8.122199	8.164585	8.160023	8.127247	8.173892	8.101008	8.146413	8.131814	8.154426	8.216091	8.357663	8.346232	8.338914	8.310307	8.303722	8.383005
TCF4	cg2410318	0.256224	7.561106	9.249069	8.15E-08	2.17E-06	8.204334	8.073155	8.076126	8.066029	8.046003	8.137963	8.08446	8.032634	8.071616	8.020789	8.107955	8.212321	8.267969	8.244567	8.223991	8.200858	8.229958
LITAF	cg0491937	0.256537	7.517215	14.05139	2.07E-10	2.45E-08	14.24813	8.038729	8.075598	8.032135	8.038652	8.083404	8.006096	8.025844	8.036093	8.036684	8.032507	8.188191	8.202021	8.216871	8.205822	8.209294	8.197418
GSK3B	cg2444612	0.260764	7.192203	11.51618	3.79E-09	2.07E-07	11.33757	7.83782	7.819566	7.858887	7.873998	7.842663	7.86361	7.822895	7.807182	7.819312	7.844963	8.021702	8.014343	7.958374	7.974365	7.977066	7.95188
NR2C2	cg2388734	0.274399	7.084838	6.395689	8.92E-06	8.83E-05	3.383381	7.767306	7.771667	7.745833	7.81215	7.832057	7.822252	7.722477	7.741697	7.790631	7.754519	7.971702	7.939751	7.956814	7.925493	7.80596	7.89143
NUMB	cg0362909	0.27892	7.427091	14.86027	8.98E-11	1.47E-08	15.0752	7.977539	7.986174	8.003888	8.001495	8.001535	7.986126	7.966848	7.946473	7.941888	7.997124	8.150533	8.142326	8.162335	8.167931	8.135113	8.107391
CBFA2T3	cg0053859	0.328128	7.367112	9.310489	7.44E-08	2.06E-06	8.313183	7.953622	7.915601	7.936809	7.994839	7.964534	7.951258	7.889828	7.91643	7.959521	7.867473	8.156138	8.121897	8.138859	8.04754	8.081626	8.165409

Supplementary table 8: TSGs significantly correlated with UHRF1 expression in LUAD samples (TCGA).

Correlation.coefficient	p.value	FDR	Correlation.direction	Symbol
-0.682821629	0	0	neg	SELENBP1
-0.670623289	0	0	neg	ADAMTS8
-0.664577902	0	0	neg	CAT
-0.62911078	0	0	neg	SEPT4
-0.624538216	0	0	neg	DAPK2
-0.624390212	0	0	neg	DLC1
-0.619393603	0	0	neg	ZBTB4
-0.618285239	4.87284E-62	1.59057E-61	neg	C2orf40
-0.615965891	0	0	neg	SPARCL1
-0.605072401	0	0	neg	FHL1
-0.604224156	1.31465E-58	4.26439E-58	neg	LEFTY2
-0.603563032	0	0	neg	NDRG2
-0.600687464	0	0	neg	TNFSF12
-0.59606209	0	0	neg	EDNRB
-0.59303333	5.36735E-56	1.73022E-55	neg	CST5
-0.591019453	0	0	neg	HSPB7
-0.588145329	0	0	neg	CDO1
-0.584202036	5.23791E-54	1.67807E-53	neg	NTRK3
-0.57504766	0	0	neg	PGR
-0.573963858	8.92304E-52	2.84114E-51	neg	WIF1
-0.57375518	0	0	neg	CYB5A
-0.570168036	0	0	neg	TGFBR2
-0.565844063	4.62554E-50	1.46382E-49	neg	TSLP
-0.562998769	0	0	neg	DUSP22
-0.561953256	0	0	neg	CITED2
-0.556231319	0	0	neg	CTDSPL
-0.555807965	0	0	neg	EMP2
-0.554571371	0	0	neg	RBL2
-0.549858121	8.04253E-47	2.52974E-46	neg	SCGB3A1
-0.549186916	1.09054E-46	3.40958E-46	neg	ERBB4
-0.54708123	0	0	neg	MAPK10
-0.543297745	1.53201E-45	4.76115E-45	neg	ZBTB16
-0.543199516	1.60033E-45	4.94389E-45	neg	GKN2
-0.540547685	0	0	neg	PLCD1
-0.538567428	0	0	neg	BTG2
-0.536829867	0	0	neg	THRA
-0.534875041	0	0	neg	CCNDBP1
-0.532948534	0	0	neg	PRKCE
-0.531387759	2.74122E-43	8.4183E-43	neg	GATA5
-0.52996898	0	0	neg	TBX5
-0.529596991	0	0	neg	CLU
-0.528847705	8.06998E-43	2.46372E-42	neg	CMTM5
-0.528639709	8.81243E-43	2.67465E-42	neg	GNMT
-0.528557444	0	0	neg	RNF180
-0.52750967	0	0	neg	TXNIP

-0.524749328	0	0	neg	DAPK1
-0.524526097	0	0	neg	WNT11
-0.520187313	0	0	neg	LIMD1
-0.518292329	0	0	neg	CEBPA
-0.51818175	0	0	neg	FAT4
-0.516355211	0	0	neg	HOPX
-0.513760204	0	0	neg	TGFBR3
-0.510919674	0	0	neg	RHOBTB2
-0.508905885	0	0	neg	TOM1L2
-0.505876159	0	0	neg	PPP3CC
-0.504649863	0	0	neg	KL
-0.502961595	0	0	neg	AXIN2
-0.501043755	0	0	neg	GPX3
-0.495004961	0	0	neg	TRIM13
-0.488875493	0	0	neg	THSD1
-0.487988973	0	0	neg	FBP1
-0.487292342	0	0	neg	ST7
-0.486105481	0	0	neg	RASL11A
-0.482374099	0	0	neg	EZH1
-0.480600055	0	0	neg	DCN
-0.478271544	0	0	neg	ALPL
-0.4776234	3.68824E-34	1.11291E-33	neg	IRX1
-0.477310866	0	0	neg	DUSP1
-0.476942142	0	0	neg	RASSF5
-0.476561425	0	0	neg	ID4
-0.476351945	0	0	neg	MAL
-0.475221975	0	0	neg	PEG3
-0.474937458	0	0	neg	LSAMP
-0.473619295	0	0	neg	THRB
-0.473517067	0	0	neg	SMARCA2
-0.47143521	0	0	neg	MFSD2A
-0.468828649	0	0	neg	HBP1
-0.466985156	0	0	neg	SYNPO2
-0.466437659	0	0	neg	TSC22D1
-0.465745171	0	0	neg	CABLES1
-0.465637355	0	0	neg	RPS6KA2
-0.464361703	0	0	neg	PTCH1
-0.462560973	0	0	neg	DACH1
-0.460735124	0	0	neg	CSRNP1
-0.459389395	0	0	neg	AGTR1
-0.45872487	2.5663E-31	7.6989E-31	neg	CFTR
-0.458316379	0	0	neg	ADPRH
-0.455854118	0	0	neg	SRPX
-0.452646623	0	0	neg	ALOX15B
-0.450860761	3.47378E-30	1.03615E-29	neg	DUSP26
-0.449286916	0	0	neg	RASSF2
-0.449029337	0	0	neg	PARK2

-0.448622121	0	0	neg	NDN
-0.448518895	7.449E-30	2.20916E-29	neg	FOXA2
-0.448340806	0	0	neg	FOXO1
-0.446318225	0	0	neg	BTK
-0.444391405	0	0	neg	PPP2CB
-0.44386262	0	0	neg	SPRY2
-0.441320737	0	0	neg	BMP2
-0.439550021	0	0	neg	PAX6
-0.438151929	2.03303E-28	5.99513E-28	neg	IGFALS
-0.434273667	0	0	neg	EDA2R
-0.433681461	0	0	neg	GPC3
-0.43139521	0	0	neg	IFT88
-0.431114209	0	0	neg	SLIT2
-0.430900899	0	0	neg	PTPN13
-0.430475912	0	0	neg	ZNF366
-0.42893094	0	0	neg	PEBP1
-0.428753799	0	0	neg	DLEC1
-0.428569123	0	0	neg	SSBP2
-0.427915191	0	0	neg	ZDHHC2
-0.426713511	0	0	neg	CAV1
-0.426385226	0	0	neg	VWA5A
-0.423420177	0	0	neg	IGFBP7
-0.422305089	0	0	neg	RNH1
-0.421176751	0	0	neg	CBFA2T3
-0.421073079	0	0	neg	HPGD
-0.419965715	0	0	neg	TCEAL7
-0.419187099	6.45959E-26	1.89408E-25	neg	AJAP1
-0.418782197	7.27633E-26	2.12158E-25	neg	GPC5
-0.418290445	0	0	neg	CTNNBIP1
-0.41772185	0	0	neg	EPHB6
-0.415912893	0	0	neg	EPAS1
-0.414200512	0	0	neg	DKK3
-0.413360586	0	0	neg	NEDD4L
-0.411741831	0	0	neg	RBMS3
-0.411251664	0	0	neg	ADARB1
-0.410756048	7.4555E-25	2.16168E-24	neg	LRRC3B
-0.409814194	0	0	neg	SPRY4
-0.406794263	0	0	neg	THBD
-0.406734986	0	0	neg	WFDC1
-0.406722427	0	0	neg	RNASEL
-0.405177015	3.62228E-24	1.04442E-23	neg	PCDH10
-0.403986198	0	0	neg	FAM172A
-0.403798759	0	0	neg	CDH5
-0.402517645	0	0	neg	CXCR2
-0.400014882	0	0	neg	ABCG2
-0.399958493	0	0	neg	TSPAN32
-0.399918996	0	0	neg	IRF8

-0.398540803	0	0	neg	ZFP36
-0.397700563	0	0	neg	NCOA4
-0.397148984	0	0	neg	OSCP1
-0.396941137	0	0	neg	STARD13
-0.39614165	0	0	neg	PLCE1
-0.395073971	0	0	neg	KANK1
-0.394467448	0	0	neg	CYGB
-0.39312781	0	0	neg	PRICKLE1
-0.392474003	0	0	neg	ZBTB7C
-0.391180645	0	0	neg	RAP1A
-0.390907493	0	0	neg	ZMYND11
-0.390831826	0	0	neg	JDP2
-0.388695846	3.25577E-22	9.3356E-22	neg	PACRG
-0.388600332	0	0	neg	ILK
-0.386630246	0	0	neg	LIFR
-0.386073389	6.50867E-22	1.85604E-21	neg	CASC1
-0.384827381	0	0	neg	TRIM35
-0.38450525	0	0	neg	FAM188A
-0.38354825	1.26071E-21	3.57544E-21	neg	PTPRT
-0.382277237	1.75465E-21	4.94927E-21	neg	CACNA2D3
-0.381407775	2.1981E-21	6.16655E-21	neg	PCDH9
-0.379238502	0	0	neg	LRIG1
-0.377474192	0	0	neg	DMD
-0.377081732	0	0	neg	CADM1
-0.374947756	0	0	neg	NFATC1
-0.373872604	0	0	neg	DMBT1
-0.372817861	0	0	neg	SOX7
-0.372486949	2.13411E-20	5.95485E-20	neg	GRIN2A
-0.37072828	0	0	neg	RECK
-0.370703853	0	0	neg	CYLD
-0.369947065	0	0	neg	DAB2
-0.368476691	0	0	neg	BNIP3L
-0.365918921	0	0	neg	TBRG1
-0.365899392	0	0	neg	KCNRG
-0.365514216	0	0	neg	CLDN23
-0.365375945	0	0	neg	FOXP1
-0.365172619	0	0	neg	TCF4
-0.365053877	0	0	neg	TCEB3
-0.364927787	0	0	neg	MAP3K8
-0.364735953	0	0	neg	MCC
-0.362968942	0	0	neg	PRDM5
-0.362162861	0	0	neg	PRKCB
-0.361782898	0	0	neg	AHNAK
-0.36110639	3.50579E-19	9.67822E-19	neg	NR0B2
-0.360316982	0	0	neg	DOK2
-0.360100281	0	0	neg	PAFAH1B1
-0.359323337	0	0	neg	CD44

-0.357222452	0	0	neg	GLTSCR2
-0.355537011	1.84615E-19	5.12381E-19	neg	FBXO25
-0.354730867	3.65554E-19	1.00382E-18	neg	GSN
-0.35466035	3.8387E-19	1.04857E-18	neg	SCUBE2
-0.352864265	1.02319E-18	2.7803E-18	neg	IQGAP2
-0.352829352	1.03952E-18	2.80996E-18	neg	NUPR1
-0.352641496	2.61707E-18	7.03762E-18	neg	SHISA3
-0.349599628	3.5617E-18	9.52845E-18	neg	CXCL12
-0.349325571	5.65848E-18	1.50603E-17	neg	DIRAS3
-0.347608696	6.69081E-18	1.77065E-17	neg	EEF1A1
-0.347593814	6.72095E-18	1.77065E-17	neg	NUMB
-0.346987416	8.054E-18	2.11112E-17	neg	PRKAR1A
-0.346531472	9.20301E-18	2.40018E-17	neg	PRKCD
-0.34628664	9.8776E-18	2.56324E-17	neg	BMPR2
-0.346042624	1.05931E-17	2.73523E-17	neg	GABARAP
-0.345269453	1.43537E-17	3.68791E-17	neg	CADM3
-0.343709969	2.01687E-17	5.15644E-17	neg	WDR48
-0.343301999	2.24852E-17	5.72049E-17	neg	SASH1
-0.342771896	2.5859E-17	6.54674E-17	neg	NR4A3
-0.342631553	2.68269E-17	6.75882E-17	neg	EPHA3
-0.341680921	3.43158E-17	8.60383E-17	neg	CD4
-0.340579522	4.53971E-17	1.13275E-16	neg	RCHY1
-0.34041921	4.72635E-17	1.17367E-16	neg	FOXO4
-0.339238949	5.58717E-17	1.38083E-16	neg	SFRP5
-0.338453081	7.684E-17	1.89004E-16	neg	KAT5
-0.336915518	1.11331E-16	2.71625E-16	neg	GPRC5A
-0.336910055	1.11476E-16	2.71625E-16	neg	TIMP3
-0.336457941	1.24147E-16	3.01085E-16	neg	SMYD4
-0.335709818	1.48168E-16	3.57671E-16	neg	ZMYND10
-0.335157298	1.68683E-16	4.05308E-16	neg	CD82
-0.332389107	3.19464E-16	7.64064E-16	neg	RHOA
-0.330801246	4.57391E-16	1.08893E-15	neg	PRDM11
-0.329070153	6.72759E-16	1.59435E-15	neg	NGFR
-0.328549971	7.5469E-16	1.78038E-15	neg	PCDHGC3
-0.328517381	7.60132E-16	1.78511E-15	neg	PRDM2
-0.328228908	8.09981E-16	1.89361E-15	neg	TNFAIP8L2
-0.324682265	1.75E-15	4.07288E-15	neg	USP12
-0.323591729	2.20966E-15	5.11971E-15	neg	NR4A1
-0.323462814	2.27119E-15	5.23888E-15	neg	CTGF
-0.323027843	2.49131E-15	5.72119E-15	neg	SMAD4
-0.322247382	2.9393E-15	6.72025E-15	neg	PTPRD
-0.320451737	4.28764E-15	9.71741E-15	neg	PCDH17
-0.319929985	4.78131E-15	1.07891E-14	neg	PDCD4
-0.319874907	3.60433E-15	8.20459E-15	neg	ALOX15
-0.316586479	9.54213E-15	2.14388E-14	neg	APC
-0.314949388	1.33251E-14	2.98092E-14	neg	VIM
-0.314535328	1.44931E-14	3.22829E-14	neg	SIRT2

-0.313487366	1.79136E-14	3.97314E-14	neg	TRIM3
-0.312654786	2.11814E-14	4.65811E-14	neg	EGR1
-0.312160475	2.33896E-14	5.12202E-14	neg	PTEN
-0.311306565	2.07446E-14	4.58146E-14	neg	DCDC2
-0.309448673	4.01334E-14	8.71516E-14	neg	ETS2
-0.309113504	3.21752E-14	7.01635E-14	neg	TMEFF2
-0.308945696	4.43275E-14	9.58582E-14	neg	UVRAG
-0.308093964	5.24259E-14	1.12901E-13	neg	DOK1
-0.307062831	6.41789E-14	1.3764E-13	neg	PTPRC
-0.306921546	6.59777E-14	1.40915E-13	neg	IGFBP4
-0.306605192	7.0186E-14	1.49289E-13	neg	SPOP
-0.306106611	7.73562E-14	1.63869E-13	neg	LATS2
-0.303944315	1.17661E-13	2.47232E-13	neg	PAIP2
-0.30392679	8.9545E-14	1.88918E-13	neg	MYO1A
-0.302356768	1.59688E-13	3.34186E-13	neg	IKZF1
-0.300149135	2.43347E-13	5.05748E-13	neg	BEX2
-0.300143295	2.43617E-13	5.05748E-13	neg	SGMS1
-0.299688481	2.65574E-13	5.49135E-13	neg	NNAT
-0.298213021	3.50976E-13	7.22842E-13	neg	ZFP36L2
-0.296402306	4.93022E-13	1.01138E-12	neg	PIAS1
-0.293633361	8.24958E-13	1.67903E-12	neg	SPI1
-0.293245988	6.91627E-13	1.41321E-12	neg	DCC
-0.291685881	1.18075E-12	2.39378E-12	neg	SEMA3B
-0.288598259	2.07268E-12	4.18569E-12	neg	GLI1
-0.28823098	2.21513E-12	4.45601E-12	neg	ZHX2
-0.287735162	2.42269E-12	4.85474E-12	neg	PRODH
-0.287512998	2.52176E-12	5.03382E-12	neg	LRMP
-0.287078404	2.72713E-12	5.42291E-12	neg	FOXO3
-0.287019755	2.75607E-12	5.45953E-12	neg	CNN1
-0.284525971	4.3073E-12	8.46776E-12	neg	CDKN1C
-0.284226105	3.64097E-12	7.18503E-12	neg	FLT3
-0.283344762	5.31345E-12	1.04064E-11	neg	KLF6
-0.283191169	5.4601E-12	1.06533E-11	neg	CEBPD
-0.282452591	6.22232E-12	1.20951E-11	neg	MTUS1
-0.281598222	7.23422E-12	1.39575E-11	neg	EGR2
-0.281542901	7.30502E-12	1.40419E-11	neg	TP53INP1
-0.281176525	6.29938E-12	1.21992E-11	neg	CSMD1
-0.281129091	7.85649E-12	1.50462E-11	neg	FLCN
-0.280352397	9.00351E-12	1.71795E-11	neg	GADD45B
-0.280192839	9.25864E-12	1.76016E-11	neg	BCL6B
-0.279833095	9.86005E-12	1.86765E-11	neg	FABP3
-0.275584357	2.05922E-11	3.8863E-11	neg	ING4
-0.275250421	2.18076E-11	4.10078E-11	neg	STAT5A
-0.274936327	2.30146E-11	4.31212E-11	neg	L3MBTL4
-0.273176098	3.1086E-11	5.80346E-11	neg	RHOB
-0.271903775	3.85798E-11	7.17668E-11	neg	LRRC4
-0.270796662	4.65141E-11	8.62171E-11	neg	FBLN1

-0.270743476	4.69329E-11	8.66839E-11	neg	BHLHE41
-0.270209354	5.13481E-11	9.45024E-11	neg	ARL6IP5
-0.269684588	5.60797E-11	1.02846E-10	neg	HECA
-0.269180921	6.10199E-11	1.11512E-10	neg	CDH13
-0.267971238	6.26512E-11	1.14091E-10	neg	MT1M
-0.267935285	7.51326E-11	1.36342E-10	neg	AIF1
-0.26364121	1.52693E-10	2.76125E-10	neg	BTG3
-0.263114749	1.66421E-10	2.99905E-10	neg	LITAF
-0.261678346	2.10286E-10	3.77642E-10	neg	ALDH1A2
-0.261049406	2.32868E-10	4.16754E-10	neg	SYNM
-0.26032728	2.61716E-10	4.66772E-10	neg	ARHGAP29
-0.259888353	2.80922E-10	4.99311E-10	neg	ING3
-0.25946098	3.00939E-10	5.33063E-10	neg	DAB2IP
-0.258198767	3.68515E-10	6.50543E-10	neg	PLAGL1
-0.25754496	4.09115E-10	7.19766E-10	neg	MTSS1
-0.257124181	4.37515E-10	7.64546E-10	neg	PPM1A
-0.256999535	4.4629E-10	7.77263E-10	neg	TANK
-0.256214748	4.36855E-10	7.64546E-10	neg	GSTT1
-0.254419725	6.71606E-10	1.16576E-09	neg	KLF4
-0.253360523	7.93301E-10	1.37241E-09	neg	LHX6
-0.253023573	8.3633E-10	1.44204E-09	neg	SH2B3
-0.252499623	9.07789E-10	1.56007E-09	neg	NOTCH1
-0.251213862	1.10925E-09	1.90001E-09	neg	MRVI1
-0.249557305	1.4338E-09	2.44783E-09	neg	TSPAN13
-0.245403323	2.7074E-09	4.60702E-09	neg	YAP1
-0.244495593	2.7542E-09	4.67133E-09	neg	WNT7A
-0.244055648	3.31947E-09	5.59353E-09	neg	ARHGEF12
-0.243904362	3.01485E-09	5.09677E-09	neg	ARG1
-0.241654296	4.75912E-09	7.99347E-09	neg	PPP2R5C
-0.240329352	5.79641E-09	9.70432E-09	neg	SPTBN1
-0.237349295	8.99437E-09	1.50099E-08	neg	TCF7L2
-0.233250132	1.63079E-08	2.71276E-08	neg	EMP1
-0.232624834	1.78406E-08	2.94882E-08	neg	FAS
-0.232252531	1.88186E-08	3.10058E-08	neg	PPARG
-0.232167732	1.72912E-08	2.86714E-08	neg	PPP1R1B
-0.231643998	2.05298E-08	3.37183E-08	neg	RASSF1
-0.22891072	3.02623E-08	4.95462E-08	neg	DDR2
-0.228302941	3.29682E-08	5.38065E-08	neg	VPS53
-0.22711225	3.8964E-08	6.33928E-08	neg	TGFB1
-0.226272386	4.38143E-08	7.10613E-08	neg	ITGA7
-0.225496054	4.48098E-08	7.24495E-08	neg	CDH4
-0.22383053	5.65766E-08	9.11902E-08	neg	PLA2G2A
-0.223793547	6.17837E-08	9.92747E-08	neg	WWOX
-0.222228355	7.66043E-08	1.22709E-07	neg	RB1
-0.221521739	8.43706E-08	1.3432E-07	neg	ARL11
-0.220999751	8.37431E-08	1.33731E-07	neg	SERPINI2
-0.220939517	9.13363E-08	1.44965E-07	neg	RASSF8

-0.220067629	1.02817E-07	1.62689E-07	neg	RASSF3
-0.218966355	1.19321E-07	1.8823E-07	neg	CDKN2B
-0.218871663	1.20854E-07	1.90071E-07	neg	TET2
-0.218229638	1.223E-07	1.91764E-07	neg	MIA2
-0.218000967	1.3587E-07	2.11127E-07	neg	RARB
-0.21771077	1.31219E-07	2.04512E-07	neg	TDGF1
-0.216769711	1.60212E-07	2.4821E-07	neg	PTGDR
-0.216281554	1.70985E-07	2.64111E-07	neg	ATF3
-0.214706189	2.10731E-07	3.24538E-07	neg	STAT3
-0.213902329	2.18808E-07	3.3598E-07	neg	EYA4
-0.20853647	4.70732E-07	7.20678E-07	neg	ARNTL
-0.208183257	4.92546E-07	7.51857E-07	neg	LAT2
-0.207336499	5.1694E-07	7.86779E-07	neg	UNC5C
-0.206240236	6.31062E-07	9.57665E-07	neg	PHC3
-0.205873082	6.61143E-07	1.00039E-06	neg	SP100
-0.205434908	6.9885E-07	1.05437E-06	neg	PTPN6
-0.203320461	9.11811E-07	1.37168E-06	neg	DCUN1D3
-0.202214227	1.04681E-06	1.57022E-06	neg	SRGAP3
-0.201913257	1.08674E-06	1.62542E-06	neg	PEA15
-0.201513639	1.14203E-06	1.70319E-06	neg	LIMA1
-0.201267111	1.17747E-06	1.75102E-06	neg	PTPRJ
-0.200513337	1.2925E-06	1.9166E-06	neg	TUSC1
-0.199645091	1.43839E-06	2.12685E-06	neg	CHST10
-0.198417072	1.59091E-06	2.34568E-06	neg	SFRP1
-0.196121305	2.20964E-06	3.24873E-06	neg	MME
-0.195466117	2.39126E-06	3.50582E-06	neg	PPM1L
-0.194116557	2.81145E-06	4.09909E-06	neg	NR2C2
-0.194115804	2.81171E-06	4.09909E-06	neg	STK10
-0.19374055	2.94058E-06	4.27496E-06	neg	PTPN1
-0.19263337	3.21096E-06	4.655E-06	neg	RASL10A
-0.19170809	3.58582E-06	5.18396E-06	neg	PF4
-0.19102297	4.05773E-06	5.8499E-06	neg	PDS5B
-0.187539309	6.09154E-06	8.73345E-06	neg	MAP2K4
-0.187341606	5.99491E-06	8.61872E-06	neg	KLK10
-0.187162167	6.12133E-06	8.75198E-06	neg	TWIST2
-0.186666415	6.73662E-06	9.60344E-06	neg	BMP4
-0.186644187	6.75386E-06	9.60344E-06	neg	HOMER2
-0.185227752	7.94432E-06	1.12653E-05	neg	ZC3H10
-0.184669483	8.16304E-06	1.15439E-05	neg	EBF3
-0.182573908	1.07337E-05	1.5138E-05	neg	WNT5A
-0.181519165	1.20833E-05	1.69492E-05	neg	GLIPR1
-0.181226944	1.20718E-05	1.69492E-05	neg	SLC5A8
-0.180641813	1.33275E-05	1.86442E-05	neg	ARMC5
-0.180271708	1.38882E-05	1.93243E-05	neg	NAPEPLD
-0.180077045	1.3735E-05	1.91626E-05	neg	VSNL1
-0.179590146	1.49799E-05	2.07876E-05	neg	PER2
-0.179201831	1.56379E-05	2.16429E-05	neg	AHR

-0.178165486	1.75313E-05	2.41988E-05	neg	PYCARD
-0.176854357	2.02402E-05	2.78639E-05	neg	KLF10
-0.174948133	2.48971E-05	3.41841E-05	neg	SIK1
-0.174155992	2.71173E-05	3.71141E-05	neg	DDB2
-0.17387516	2.71741E-05	3.71141E-05	neg	CHD5
-0.173440459	2.92832E-05	3.98897E-05	neg	BMPR1A
-0.17216688	3.35499E-05	4.55822E-05	neg	PLA2G16
-0.169592281	4.40395E-05	5.96776E-05	neg	TAGLN
-0.169111027	4.51784E-05	6.10614E-05	neg	HRASLS2
-0.168670866	4.73184E-05	6.37876E-05	neg	LEFTY1
-0.168638259	4.86624E-05	6.54296E-05	neg	TSC1
-0.168377352	5.00045E-05	6.70603E-05	neg	NFATC2
-0.168198578	5.09443E-05	6.81445E-05	neg	AZGP1
-0.165389446	6.809E-05	9.0845E-05	neg	MXI1
-0.162428101	9.19876E-05	0.000122414	neg	RARRES3
-0.161530091	0.000100672	0.000133628	neg	MLH1
-0.159682641	0.000121023	0.000160232	neg	PKD1
-0.159204406	0.00012689	0.000167572	neg	SETD2
-0.158907894	0.000130661	0.000171764	neg	PDSS2
-0.158712107	0.000130726	0.000171764	neg	NKX2.8
-0.155088665	0.000189662	0.000248572	neg	PYHIN1
-0.154721887	0.000196485	0.000256865	neg	EPB41L3
-0.150501846	0.000293433	0.000382642	neg	UIMC1
-0.150422098	0.000295636	0.000384549	neg	SH3GLB1
-0.147181637	0.000399418	0.000518245	neg	CAMK2N1
-0.146185731	0.000437586	0.000566352	neg	SIRT1
-0.145349697	0.000472223	0.000609661	neg	ST13
-0.144075239	0.000529964	0.00068251	neg	CNDP2
-0.142697109	0.000599749	0.00077047	neg	IGF1
-0.14232939	0.000619762	0.000794214	neg	ANXA1
-0.142197084	0.000627114	0.000801655	neg	PIN1
-0.140064049	0.000757376	0.000965794	neg	SYK
-0.139220167	0.000815512	0.001037379	neg	SDHD
-0.138166868	0.000893869	0.001134274	neg	CUX1
-0.134128551	0.001263326	0.001595295	neg	LXN
-0.133615967	0.00131917	0.00166177	neg	GJA1
-0.132544897	0.001443268	0.001813695	neg	DNAJB4
-0.132470675	0.001452253	0.001816735	neg	PLXNC1
-0.132467096	0.001452688	0.001816735	neg	SMAD2
-0.129409866	0.001870819	0.002328429	neg	EXTL2
-0.128988647	0.001936378	0.002404259	neg	RUNX3
-0.128758446	0.00197309	0.002443995	neg	NFKB1
-0.128414211	0.002029179	0.002507486	neg	MADD
-0.128272863	0.00205263	0.00253044	neg	CAPG
-0.127648695	0.002159182	0.002655487	neg	MCPH1
-0.118664381	0.004367712	0.005321226	neg	SHPRH
-0.116850526	0.005008178	0.006058845	neg	ING5

-0.115405207	0.0055779	0.006732395	neg	RBP1
-0.112300316	0.007003449	0.008413866	neg	CDKN1A
-0.110936783	0.007700454	0.009229874	neg	CADM2
-0.107287821	0.01000171	0.01196057	neg	ZFHX3
-0.107000603	0.010203829	0.012174223	neg	PBRM1
-0.10394017	0.01259354	0.01495663	neg	PTPRK
-0.103803971	0.012710536	0.015061115	neg	MAP3K4
-0.102549419	0.013834159	0.016355191	neg	KLF5
-0.100577198	0.015777791	0.018610621	neg	DUSP6
-0.100249604	0.016122862	0.018974525	neg	PRKCDBP
-0.099100671	0.017385967	0.020368662	neg	NOV
-0.098635622	0.017921351	0.020948606	neg	HIC1
-0.098405044	0.018192107	0.021217311	neg	USP33
-0.098146334	0.018500145	0.021528196	neg	PLA2R1
-0.097697674	0.019045162	0.022112839	neg	HACE1
-0.096131666	0.021058774	0.024396213	neg	DOK3
-0.096003818	0.021231053	0.024541017	neg	GAS1
-0.095883819	0.021393869	0.024674262	neg	TP63
-0.095222729	0.022310442	0.025674322	neg	RNF111
-0.094301484	0.023644435	0.027149251	neg	ABI2
-0.093608674	0.024661582	0.02825466	neg	BTG4
-0.092835066	0.025910337	0.029619967	neg	TOPORS
-0.092462889	0.026514397	0.030243894	neg	FLNA
-0.091000615	0.029006736	0.032870079	neg	AKAP12
-0.089818527	0.031166155	0.035240162	neg	PLK2
-0.08799136	0.034774385	0.039149471	neg	SALL2
-0.085660211	0.039889538	0.044810975	neg	PTENP1
-0.085612677	0.040000141	0.044838171	neg	DDX3X
-0.081366576	0.050982845	0.056903434	neg	CDKN1B
-0.078962612	0.058232445	0.064578288	neg	UNC5D
-0.076915078	0.065095128	0.072034907	neg	COPS2
-0.073717944	0.07709986	0.08495717	neg	CST6
-0.067626089	0.104928187	0.115376544	neg	HIVEP3
-0.066166139	0.112659005	0.123615272	neg	NRCAM
-0.064151533	0.124054396	0.135545751	neg	DNAJB1
-0.06223859	0.135686953	0.147944388	neg	ZYX
-0.059951586	0.150677185	0.163944358	neg	NDRG4
-0.054268267	0.193346156	0.208188081	neg	UNC5B
-0.054047359	0.19516744	0.209714081	neg	THBS1
-0.050071898	0.230190697	0.246836718	neg	TGM3
-0.048225642	0.247773897	0.265143614	neg	TNFAIP3
-0.046049846	0.269773118	0.288091046	neg	DLG1
-0.043940735	0.292339931	0.310910705	neg	XAF1
-0.038563974	0.355447362	0.377253948	neg	RB1CC1
-0.034260229	0.411703809	0.433416384	neg	SOCS3
-0.033953294	0.415907738	0.436955701	neg	RTN4
-0.032011938	0.443192053	0.461880874	neg	CASP5

-0.028007309	0.502204657	0.522333101	neg	EPHA2
-0.027525306	0.509591905	0.528956397	neg	CTNND1
-0.018429156	0.658847315	0.679804685	neg	HIVEP1
-0.014600633	0.726505961	0.74664672	neg	SPARC
-0.014124344	0.735087313	0.753972956	neg	HIPK2
-0.010488157	0.80161905	0.818976943	neg	IRF5
-0.008998317	0.829330205	0.84562353	neg	NEDD4
-0.008462625	0.839348087	0.852488566	neg	ZNF185
-0.006608206	0.874218316	0.884443092	neg	DICER1
-0.005405458	0.896970113	0.905695503	neg	IRF1
6.13493E-05	0.998827993	0.998827993	pos	LATS1
0.000558674	0.989322625	0.991232514	pos	NKX3.1
0.000937194	0.982088925	0.985888109	pos	AKT1
0.001695928	0.967594148	0.973219696	pos	ADAMTS9
0.005143107	0.901974657	0.908980285	pos	FBXL13
0.006747545	0.871588839	0.883505093	pos	EAF1
0.008793987	0.833148177	0.847850792	pos	RNF8
0.01336473	0.748841501	0.76656556	pos	SAMD9L
0.01543698	0.71152054	0.732696747	pos	CREM
0.021642177	0.604115078	0.624573158	pos	NUAK1
0.023099678	0.57997797	0.600815502	pos	NRF1
0.032855537	0.431148724	0.450233779	pos	AKR1B1
0.033747708	0.418737635	0.438154905	pos	IGF2R
0.033886042	0.416832219	0.437042266	pos	ROBO1
0.035570103	0.394047991	0.415672576	pos	TP53BP2
0.035927586	0.389310086	0.411511069	pos	RAB7A
0.037167383	0.373148309	0.395232597	pos	MARVELD1
0.045938324	0.270935641	0.288738394	pos	PTPN12
0.055154661	0.186163487	0.200870789	pos	TMEM127
0.059054266	0.156891324	0.169638745	pos	G0S2
0.059393728	0.154518055	0.167421442	pos	SOD2
0.05940208	0.154460013	0.167421442	pos	RASAL2
0.065390827	0.116942924	0.1280451	pos	CBL
0.07542731	0.070474954	0.077822343	pos	STK11
0.079074297	0.057892728	0.064339027	pos	PHLPP2
0.080405709	0.053790486	0.059908288	pos	EXT1
0.081531472	0.050513555	0.056501153	pos	TSSC4
0.088052144	0.03464886	0.039092952	pos	MYH9
0.092364178	0.026676632	0.030295781	pos	PLEKHO1
0.092408196	0.026604181	0.030279759	pos	CDK6
0.099616017	0.016809077	0.019737356	pos	SEMA3F
0.106316655	0.010699811	0.012736701	pos	MT2A
0.11337867	0.006475041	0.007797091	pos	EHD3
0.117226471	0.004868861	0.005904063	pos	TES
0.117892083	0.004630757	0.005628485	pos	DAPK3
0.120810539	0.003706181	0.004525901	pos	GSK3B
0.122782445	0.003179936	0.003892422	pos	GBP1

0.126442808	0.002379495	0.002919522	pos	ERF
0.13143207	0.001583505	0.001975575	pos	ITGA5
0.134673097	0.001206393	0.001527117	pos	RND3
0.218386268	1.29015E-07	2.01684E-07	pos	PTPN11